CleanHarbors®
ENVIRONMENTAL SERVICES, INC.

ECO EcoScience Resource Group, L.L.C.

Evolving To Meet Tomorrow's Challenges

# CLEAN HARBORS BATON ROUGE, LLC
# BATON ROUGE, LOUISIANA

## Post Closure Permit
## Renewal Application
## Landfill 717

**Volume 2 of 5**
**Appendices F-M**

**Prepared for:**

**Clean Harbors Baton Rouge, LLC**
**13351 Scenic Highway**
**Baton Rouge, Louisiana 70807**

**Agency Interest #1516**
**LAD 010395127-PC-3**

**March 2008**

11827 Sunray Avenue Baton Rouge, Louisiana 70816 Telephone: 225.755.8844 Fax: 225.755.8845
www.esrgroup.com

# APPENDIX F

# ANNUAL GROUNDWATER MONITORING REPORT (2007)

# 2007 ANNUAL GROUNDWATER MONITORING REPORT

IN FULFILLMENT OF SECTIONS VI.G.6 AND VI.J.5 OF THE FINAL MODIFIED PERMIT NO. LAD010395127-P, AND SECTIONS VI.G.6 AND VI.J.4 OF THE POST-CLOSURE PERMITS LAD010395127-PC-1, LAD010395127-PC-2 AND LAD010395127-PC-3

## PREPARED FOR:

CleanHarbors®
ENVIRONMENTAL SERVICES, INC.

## CLEAN HARBORS BATON ROUGE, LLC

## AGENCY INTEREST NO. 1516

PREPARED BY:

CAMERON-COLE

5777 CENTRAL AVE., SUITE 200
BOULDER, COLORADO 80301

FEBRUARY 2008

# TABLE OF CONTENTS


EXECUTIVE SUMMARY ..... i
1. INTRODUCTION ..... 1
1.1. Scope ..... 1
1.2. Background ..... 2
1.3. Groundwater Sampling and Analytical Testing Overview ..... 3
2. PERTINENT ACTIVITIES CONDUCTED DURING CALENDAR YEAR 2007 ..... 5
2.1. Groundwater Monitoring Program ..... 5
2.2. Non-Routine Assessment and Corrective Action Activities ..... 5
2.2.1 Greater Baton Rouge Port Commission Assessment and Corrective Action ..... 6
2.2.2 Draft Corrective Measures Study ..... 6
2.2.3 CME Program ..... 6
2.2.4 ExxonMobil Split Sampling ..... 6
2.2.5 Facility Closures ..... 7
2.3. Monitor-Well Inspections. ..... 7
3. HYDROGEOLOGIC CONDITIONS ..... 8
3.1. Groundwater Level Measurements ..... 8
3.2. Total Well Depth and Immiscible Layer Measurements ..... 8
3.3. Potentiometric Maps ..... 8
3.3.1 Unit 3 (A Zone) ..... 9
3.3.2 Unit 4 (B-1 Zone) ..... 9
3.3.3 Unit 6 (B-2 Zone) ..... 10
3.3.4 Unit 8 (C Zone) ..... 10
3.4. Influence of Mississippi River ..... 10
3.5. Groundwater Flow Components ..... 11
3.5.1 Horizontal Seepage Velocity. ..... 11
3.5.2 Vertical Seepage Velocity ..... 12
4. EVALUATION OF GROUNDWATER QUALITY DATA ..... 14
4.1. Constituent Isoconcentration Maps ..... 14
4.1.1 Unit 3 (A Zone) ..... 14
4.1.2 Unit 4 (B-1 Zone) ..... 15
4.1.3 Unit 6 (B-2 Zone) ..... 16
4.1.4 Unit 8 (C Zone) ..... 17
4.2. Historical Trends ..... 17
4.2.1 Long-Term Trends. ..... 18
4.2.2 Short-Term Trends ..... 18
4.2.3 pH and Conductivity ..... 19
5. INTERCEPTOR AND RECOVERY WELL EVALUATIONS ..... 21
5.1. Pumping Volumes and Constituent Removal ..... 21
5.2. System Operation and Maintenance ..... 22
6. SUMMARY AND CONCLUSIONS ..... 23
7. PROPOSED ACTIVITIES FOR 2008 ..... 24
8. REFERENCES ..... 25

# TABLE OF CONTENTS, CONTINUED

## LIST OF TABLES


| | |
|---|---|
| Table 1 | LAC 33:V.3325, Table 4-Analytical Testing Summary |
| Table 2 | Groundwater Elevations |
| Table 3 | Survey of Total Well Depths and Immiscible Layer Thickness |
| Table 4 | Horizontal Groundwater Seepage Velocity Calculations |
| Table 5 | Summary of Detected Constituents |
| Table 6 | Summary of Total VOC Concentrations |
| Table 6A | Summary of Groundwater Analytical Results Exxon Mobil Split Sampling Event |
| Table 7 | Summary of Total SVOC Concentrations |
| Table 8 | Summary of Total Pesticide/Herbicide Concentrations |
| Table 9 | Summary of Groundwater Recovery |


## LIST OF FIGURES


| | |
|---|---|
| Figure 1 | Vicinity Map |
| Figure 2 | Compliance Point Wells |
| Figure 3 | Compliance Wells Upgradient |
| Figure 4 | Compliance Wells Downgradient |
| Figure 5 | Corrective Action Wells |
| Figure 6 | Piezometers |
| Figure 7 | Process Wells |
| Figure 8 | 1Q2007 Potentiometric Map, Unit 3 (A-Zone) |
| Figure 9 | 3Q2007 Potentiometric Map, Unit 3 (A-Zone) |
| Figure 10 | 1Q2007 Potentiometric Map, Unit 4 (B1-Zone) |
| Figure 11 | 3Q2007 Potentiometric Map, Unit 4 (B1-Zone) |
| Figure 12 | 1Q2007 Potentiometric Map, Unit 6 (B2-Zone) |
| Figure 13 | 3Q2007 Potentiometric Map, Unit 6 (B2-Zone) |
| Figure 14 | 1Q2007 Potentiometric Map, Unit 8 (C-Zone) |
| Figure 15 | 3Q2007 Potentiometric Map, Unit 8 (C-Zone) |
| Figure 16 | Mississippi River Hydrograph |
| Figure 17 | 2007 Average VOC Isoconcentration Map, Unit 3 |
| Figure 18 | 2007 Average SVOC Isoconcentration Map, Unit 3 |
| Figure 19 | 2007 Average Pesticide/Herbicide Isoconcentration Map, Unit 3 |
| Figure 20 | 2007 Average VOC Isoconcentration Map, Unit 4 |
| Figure 21 | 2007 Average SVOC Isoconcentration Map, Unit 4 |
| Figure 22 | 2007 Average Pesticide/Herbicide Isoconcentration Map, Unit 4 |

# TABLE OF CONTENTS, CONTINUED


| | |
|---|---|
| Figure 23 | 2007 Average VOC Isoconcentration Map, Unit 6 |
| Figure 24 | 2007 Average SVOC Isoconcentration Map, Unit 6 |
| Figure 25 | 2007 Average Pesticide/Herbicide Isoconcentration Map, Unit 6 |
| Figure 26 | Cumulative Groundwater Pumped and VOC Recovered, Unit 3 |
| Figure 27 | Cumulative Groundwater Pumped and VOC Recovered, Unit 4 |
| Figure 28 | Cumulative Groundwater Pumped and VOC Recovered, Unit 6 |


## LIST OF APPENDICES


| | |
|---|---|
| Appendix A | 2007 Groundwater Monitoring Program |
| Appendix B | Sample Analytical Data Sheets |
| Appendix C | Regulatory Correspondence Summary |
| Appendix D | Area/Unit Monitor Well Locations |
| Appendix E | Well Construction Details |
| Appendix F | Concentration Versus Time Graphs |

# EXECUTIVE SUMMARY
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC LAD010395127-P

As required by Sections VI.G.6 and VI.J.5 of the Final Modified Permit, and Sections VI.G.6 and VI.J.4 of Post-Closure Permits for Landfill Cells 901, 902 and 717, this report documents groundwater assessment activities conducted at the Clean Harbors Baton Rouge, LLC Facility ("the Facility") for the period January 1, 2007 through December 31, 2007. This report updates the information presented in the 2007 Semi-Annual Groundwater Report which was submitted to the Louisiana Department of Environmental Quality (LDEQ) in August 2007.

The Facility's groundwater monitoring network currently consists of 39 Compliance Point Wells, 22 Compliance Wells-Upgradient, 108 Compliance Wells-Downgradient, 24 Corrective Action Wells, 40 Piezometers, and 2 Process Wells. In 2007, the wells were sampled in accordance with the sampling frequency established in Table VI-1 and Figures VI-2 through VI-7 of the above Permits, with the exception of monitoring wells 04A, 07A, SM-06, a-SM-07, 8A, 8A-R, 15A, 32A, 36A, 41A, and 51A which were dry periodically or during all attempted sampling events.

Water-level data collected from the facility during 2007 indicate groundwater flow to be in a southwest direction in all four permeable units with average gradients ranging from 0.005 ft/ft to 0.017 ft/ft. These flow directions and gradients are consistent with data collected during previous reporting periods. Groundwater elevations were generally higher in 2007 as compared to 2006. In addition, seasonal variations in potentiometric elevations during 2007 were consistent with historical trends. Groundwater levels were highest during the first half of the 2007 reporting period, corresponding to increased seasonal precipitation and higher river stages of the Mississippi River.

A total of 194 wells were sampled at least once during 2007. The analytical testing performed for the calendar year 2007 was as follows:

- Volatile Organic Compounds (VOC) 194 Wells
- Semi-Volatile Organic Compounds (SVOCs) 147 Wells
- Pesticides/Herbicides 147 Wells
- Polychlorinated biphenyls (PCBs) 147 Wells
- Metals 161 Wells
- Cyanide/Sulfides 147 Wells

Based on the analytical testing results, 50% of the wells sampled in 2007 (97 out of 194) contained VOCs above Method Detection Limits (MDLs). In addition, 29% (43 out of 147) and 35% (51 out of 147) of the wells sampled contained SVOC and Pesticide/Herbicides, respectively.

Of the 97 wells indicating VOC constituents at the facility, approximately 58% showed long-term decreasing/no-change trends while 42% showed long-term increasing trends. Long-term decreases occurred in 56% of wells containing SVOCs and Pesticides/Herbicide. Short-term decreases or no change in VOCs, SVOCs and Pesticide/Herbicide concentrations were observed in 81%, 91%, and 90% of the wells, respectively. Conversely, short-term increases in VOCs, SVOCs, and Pesticides/Herbicides were observed in 19%, 9%, and 10% of the wells, respectively.

A total of 16 groundwater recovery wells were active during 2007. Wells I-11, I-12, and I-13 have not been connected to the groundwater recovery system. The start-up of these wells is currently being evaluated as part of the Corrective Measures Implementation (CMI) Work Plan. Recovery Wells R-2, R-3, and R-4 remained deactivated with LDEQ approval.

Over 220 million gallons of groundwater have been removed since recovery efforts were initiated in 1981. Approximately 7.3 million gallons of affected groundwater were removed during 2007, slightly more than the 2006 annual reporting period. The increased volume in 2007 is likely attributable to the increase in precipitation from 2006. Approximately 73 pounds of VOCs were removed during 2007, compared to 67 pounds removed in 2006. This increase in mass removal is attributed to both higher average VOC concentrations and increased pumping volumes.

The recovery system was operational for over 95% of the reporting period, well over the 75% required in the Permit. A few minor occasions of temporary pumping cessation occurred during the year, primarily due to weather-related influences (i.e., freezing conditions) and routine operation and maintenance of the system.

Additional assessment and corrective action programs will be conducted as required in 2008. Activities currently planned and/or anticipated for the 2008 reporting period include:

- Continued monitoring of the existing recovery well system with a goal of enhancing the effectiveness of on-going corrective actions.
- Development and submittal of CMI Work Plan.
- Development and submittal of Revised Groundwater Sampling and Analysis Plan.

# 1. INTRODUCTION

This annual report documents groundwater monitoring and assessment activities completed at the Facility during the January 2007 through December 2007 reporting period. This report fulfills the requirements of Section VI.G.6 of the Final Modified Permit LAD010395127-P (hereinafter referred to as "the Permit") which states that "an annual groundwater report must be submitted each year no later than March 1, as required by LAC 33:V.1529.D.8." The specific items to be included in the report are listed in Section VI.J.5 of the Permit. This document also satisfies the requirements of Sections VI.G.6 and VI.J.4 of Post-Closure Permits LAD010395127-PC-1, LAD010395127-PC-2 and LAD010395127-PC-3 for Landfill Cells 901, 902 and 717, respectively. The remainder of this section provides a background of the Facility and groundwater activities at the Facility, an explanation of the purpose and contents of this report, and an overview of the groundwater monitoring program.

## 1.1. SCOPE

In accordance with Section VI.J.5 of the Permit and Section VI.J.4 of the Post-Closure Permit, this report includes the following updates since the 2007 Semi-Annual Groundwater Report:

- A discussion of any significant changes in the analytical data from all wells for the reporting period (Section 4.0);
- A discussion of the effectiveness of the remedial activities (Section 5.0);
- A discussion of the down time for any well or pump during the reporting period and actions taken by the Facility to return the well or pump to normal operations and maximum efficiency (Section 5.0);
- Total volume of liquids pumped, amount of constituents removed from each well for the reporting period, and cumulative volumes to date (Table 9);
- A summary of analytical data for monitor, assessment, compliance, point of compliance, process, and recovery wells for the reporting period (Table 5);
- Facility maps showing all compliance point wells, compliance wells, corrective action wells, and piezometers (Figures 2 through 7);
- Water-level measurements and potentiometric maps for each monitored zone for the reporting period (Table 2 and Figures 8 through 15);
- Facility maps showing horizontal and vertical extent of constituents by use of constituent isoconcentration maps for each monitored zone and each class of constituent (i.e., VOCs, SVOCs, etc.) for the reporting period (Figures 17 through 25);
- A table showing well construction details. (Appendix E);

- Concentration versus time graphs for all monitoring wells and constituent classes which are routinely detected in the groundwater (Appendix F).

## 1.2. BACKGROUND

Rollins Environmental Services (LA) Inc. [RES(LA)] previously owned and operated a commercial hazardous waste management facility in East Baton Rouge Parish, Louisiana. RES(LA) conducted disposal operations at this location since the early 1970s, and performed groundwater monitoring since approximately 1980. On May 15, 1997, an acquisition of the hazardous and industrial waste operations of Laidlaw Environmental Services, Inc. by Rollins Environmental Services, Inc. was completed. As a result of this merger, the name of the facility was changed to Laidlaw Environmental Services (Baton Rouge), Inc. Laidlaw Environmental Services Inc. subsequently purchased Safety-Kleen in 2000 and the name of the facility was changed to Safety-Kleen (Baton Rouge), Inc. These were name changes only.

Effective September 7, 2002, Clean Harbors, Inc. and certain of its subsidiaries, purchased from Safety-Kleen Services, Inc. and certain of its domestic subsidiaries, a portion of the assets of the Chemical Services Division of Safety-Kleen Corp. The sale included the assets of 56 of the seller's subsidiaries in the United States. As a result of the sale, Clean Harbors Baton Rouge, LLC is, as of September 7, 2002, the new owner of the regulatory permits and operator of the equipment and assets located at 13351 Scenic Highway in Baton Rouge, Louisiana ("the Facility"), which were formerly owned and operated by Safety-Kleen (Baton Rouge), Inc. The Louisiana Department of Environmental Quality (LDEQ) acknowledged the transfer of permits to this new owner in a letter dated August 30, 2002. The location of the Facility is shown on Figure 1.

Prior to 1993, the Facility operated under interim status in accordance with the Louisiana Hazardous Waste Regulations. The Resource Conservation and Recovery Act (RCRA) Part B Permit for the Facility was approved by the LDEQ and became effective on February 8, 1993. A RCRA Part B Permit Renewal Application was submitted in 2000 and updated in 2006. Landfill Cells 901, 902 and 717 are in post-closure care under Post-Closure Permits LAD 010395127-PC-1, PC-2, and PC-3, respectively. A Post-Closure Permit Renewal Application was submitted in 2003 for Landfill Cells 901 and 902 (PC-1 and PC-2).

Extensive historical site exploration has provided a database for mapping stratigraphy beneath the Facility. These explorations have allowed the identification of four distinct permeable zones within the upper 150 feet at the Facility. These permeable zones are identified as Units 3, 4, 6 and 8. These strata generally correspond to the previously defined A, B-1, B-2, and C Zones, respectively.

A facility-wide groundwater monitoring network has been established to monitor these four permeable units. The Permit divides this network into the following well groups:

- Compliance Point Wells (39);
- Compliance Wells - Upgradient (22);

- Compliance Wells - Downgradient (108);
- Corrective Action Wells (24); and
- Piezometers (40).

In addition, two freshwater supply wells (Process Wells) located on site are also included in the monitoring network. Figures 2 through 7 illustrate the locations of all wells and piezometers.

Groundwater remediation in the form of recovery and on-site treatment has been ongoing at the facility since the early 1980s. A total of 12 interceptor wells (I-1, I-1R, I-2, I-2R, I-3 through I-10) and four recovery wells (R-1/PR-1B, R-5, 29A and 30A) were in-place and connected to the recovery system during 2007. Recovery wells R-2, R-3, and R-4 remain deactivated. Three interceptor wells (I-11, I-12, and I-13) have not been connected to the groundwater recovery system. Startup of recovery from these wells is being evaluated during the preparation of the Corrective Measures Implementation (CMI) Work Plan.

## 1.3. GROUNDWATER SAMPLING AND ANALYTICAL TESTING OVERVIEW

During 2007, groundwater sampling and analytical testing was conducted in accordance with the requirements of the Post-Closure Permit LAD010395127-PC-3 (Landfill Cell 717). Groundwater sampling frequency and testing requirements contained in Post-Closure Permit LAD010395127-PC-3 now supersede those in the Final Modified Permit and the Landfill Cells 901 and 902 Post-Closure Permits. Sampling and analyses followed the procedures originally outlined in the Revised Sampling and Analysis Plan (SAP) submitted to LDEQ on April 8, 1993. The SAP provides procedures for sample collection, sample preservation and shipment, analytical testing, chain of custody control, parameters to be analyzed, and quality assurance/quality control for groundwater sampling and analysis. The field and laboratory protocols presented in the revised SAP are consistent with procedures previously employed at the facility.

Depending on the well classification (i.e., compliance, corrective action, etc.), testing is performed to assess the presence/absence of all or some of the constituents listed within Table 5 of the Louisiana Administrative Code, Section 33:V.3325 (similar to the RCRA Appendix IX list of compounds). The various constituent groups included within Table 5 are as follows:

- Volatile Organic Constituents (VOCs)
- Semi-Volatile Organic Constituents (SVOCs)
- Pesticides and Herbicides (Pest/Herb)
- Organophosphorus and Chlorinated Pesticides
- Polychlorinated Biphenyls (PCBs)

- Metals
- Cyanide and Sulfide

Both radionuclides and tentatively identified compounds (TICs) are analyzed biennially and were analyzed as part of the 2006 groundwater monitoring program. These analyses will be done again in 2008.

Table VI-1 of the LDEQ-approved Post-Closure Permit lists the sampling frequency and testing requirements for the wells in the groundwater-monitoring network. Appendix A contains Table VI-1 from the Post-Closure Permit.

Table 1 summarizes sample dates and constituent groups analyzed in each well during 2007 along with the analytical test methods that were used. Comparing the analytical testing requirements from Table VI-1 to the actual testing performed during 2007 (Table 1) shows that, with the exception of sampling activities at 11 of the wells, all sampling requirements of the Permits were satisfied in 2007. Monitoring Well 04A contained enough water for a full suite during the first half of sampling, while during the second half of sampling only VOCs were tested due to lack of water. Wells 07A and a-SM-07 were tested for VOCs alone due to lack of water in both the first and second half of sampling. Wells 08A, 08A-R, 15A, 32A, 36A, 41A, 51A, and SM-06 were dry during all attempted 2007 sampling events, consequently, the complete annual testing of these wells could not be performed. Appendix B contains example analytical data sheets for the various constituent groups analyzed (i.e., VOCs, SVOCs, etc.). These sheets provide a complete listing of the individual compounds included within each constituent group. Along with Table 1, these sheets provide a complete summary of the analytical testing performed on each well during 2007.

The samples were submitted to Test America Laboratory (TAL) (formerly Severn Trent Laboratories (STL), Inc.) in Arvada, Colorado (LDEQ Laboratory Accreditation Number 02096) for analytical testing. Analysis of pH and conductivity was performed in the field. The laboratory data sheets and associated QA/QC documentation are on file at the Facility and STL. In 1998 the historical database system was converted to a new database management system (DBMS). The DBMS contains historical hydrogeologic and hydrogeochemical data collected from the Facility as part of ongoing compliance activities and is maintained by Cameron-Cole, LLC in Boulder, CO.

# 2. ACTIVITIES CONDUCTED DURING CALENDAR YEAR 2007

Routine activities associated with the on-going groundwater-monitoring program continued throughout 2007. A description of these activities and other pertinent activities conducted during the reporting period is presented below. Appendix C includes a listing of relevant regulatory correspondence during the reporting period.

## 2.1. GROUNDWATER MONITORING PROGRAM

Six separate areas containing groundwater constituents (i.e., Areas 1 through 6) have historically been delineated at the Facility. Appendix D contains a listing of wells used to monitor these six areas. Appendix E contains pertinent well construction characteristics for these wells, such as depth, screened interval, zone monitored, casing material, diameter and groundwater elevations. Figures 2 through 7 illustrate the locations of existing wells and piezometers. Details of non-routine assessment and corrective action activities are discussed in Section 2.2. Monitoring well inspections are discussed in Section 2.3.

Routine activities associated with the above-described monitoring network during 2007 included measuring water levels in wells and piezometers, calculating groundwater recovery rates in the corrective action wells, and sampling all wells in accordance with the SAP and Permits. Field activities were conducted by Facility personnel. Analytical testing was performed by STL.

An evaluation of the potentiometric conditions within each of the four permeable units beneath the Facility (Section 3.0) was completed based on the water-level measurements. Data from the analytical testing of groundwater samples were used for the assessment of groundwater quality (Section 4.0). The measurement of pumping rates in the interceptor and recovery wells provided data for evaluating the groundwater recovery program (Section 5.0).

A survey of immiscible layer thicknesses and total well depth was conducted during the second quarter of 2007. Details of this survey are discussed in Section 3.2 and the results shown on Table 3.

## 2.2. NON-ROUTINE ASSESSMENT AND CORRECTIVE ACTION ACTIVITIES

Additional assessment and corrective action activities were also conducted during the calendar year 2007 reporting period. A discussion of these activities is provided below. Appendix C provides a summary of related correspondence between the Facility, Environmental Protection Agency (EPA), and LDEQ during calendar year 2007.

### 2.2.1 Greater Baton Rouge Port Commission Assessment and Corrective Action

Site Assessment and Corrective Action work by Agway, Greater Baton Rouge Port Commission (GBRPC) and Ethyl Committee (referred to as the A.P.E. Committee) was conducted during calendar year 2007 at the GBRPC Barge Terminal property, which is located southwest of the Facility. However, Clean Harbors work was limited to the routine groundwater monitoring at the Facility described herein. The A.P.E. Committee initiated startup of the remediation system in early June 2003.

### 2.2.2 Draft Corrective Measures Study

The Facility received an Administrative Order (AO) from the LDEQ (dated December 3, 2003) on December 8, 2003. This AO requires the Facility to develop a Corrective Measures Implementation Workplan (CMIWP) and implement the Final Remedy for the Areas of Concern (AOCs – 1 through 7 and the 002 Outfall Ditch) identified in the Corrective Measures Study (August 1995 and August 1998). The CMIWP is due in March 2008 based on the scope of work and schedule approved by the LDEQ in September 2006. During 2007, work on the CMIWP has included groundwater fate and transport computer modeling to determine the optimum location of groundwater abatement wells, sampling and analysis of outfall ditch sediment samples, preliminary evaluation and design work on the abatement well conveyance system and the evaluation of alternate cap systems for the old pre-RCRA landfill areas.

### 2.2.3 CME Program

No regulatory inspections of the facility and the groundwater monitoring and abatement system were conducted during this reporting period.

### 2.2.4 ExxonMobil Split Sampling

Representatives of ExxonMobil Chemical Americas Baton Rouge Polyolefins Plant (formerly PAXON) collected split samples with the Facility on September 4-10, 2007 from the following off-site wells: a-LM-1, a-LM-2, a-DM-2, a-DM-4, a-DM-5, a-DM-6, a-SM-1, a-SM-7, a-SM-8, a-SM-9, AT-13, AT-14, AT-15, AT-16, AT-17, AT-18, AT-19, AT-20, AT-27, AT-28, AT-29, AT-30, AT-31, AT-32, and AT-33. Samples could not be collected from off-site monitor well a-SM-6 because of dry conditions. ExxonMobil submitted their split samples to Analytical and Environmental Testing, Inc. of Baton Rouge, Louisiana for analysis of VOC constituents. VOC constituents were detected in ExxonMobil samples in wells a-AT-15, a-AT-16, a-AT-19, and SM-9. VOC constituents were not detected in the remaining wells. These results are compared to the Facility's results in Table 6A. ExxonMobil and the Facility results were similar.

### 2.2.5 FACILITY CLOSURE ACTIVITIES

No facility closure activities were conducted at the facility during 2007.

## 2.3. MONITOR-WELL INSPECTIONS

Sections VI.C.2 and VI.G.5 of the Permit require that the structural and mechanical integrity of the wells be maintained and protected from accidental damage and surface infiltration. Routine weekly inspections are conducted on wells to verify the structural and mechanical integrity.

During the 3rd Quarter 2006 (3Q06) sampling event, the sampling pump in monitoring well 4A was found to be inoperative. After several attempts in 2006 and early 2007, the Facility was successful in removing the inoperative pump and tubing during the first half of 2007. Repairs were made and MW-4A was sampled during the 2Q07 event. The results are provided in this report. The concrete pad for P-51A was repaired during 4Q07. The concrete pad for AT-31, located on ExxonMobil property to the south of the Facility, was damaged during construction at the ExxonMobil Facility in 3Q07. ExxonMobil will do repairs during 1Q08. No other problems were identified during this reporting period.

# 3. HYDROGEOLOGIC CONDITIONS

The data obtained during the various hydrogeologic investigations, coupled with other available data, have been used to define the stratigraphy of the unconsolidated units beneath the Facility for hydrogeologic evaluations. As noted in Section 1.1, and detailed in previous reports, four distinct permeable units have been delineated within the upper 150 feet below land surface. Water elevation data and evaluations concerning the groundwater flow characteristics within these monitored units are presented in the following sections.

## 3.1. GROUNDWATER LEVEL MEASUREMENTS

Although only required on a semi-annual basis, groundwater levels were measured (unless dry) in all monitor wells, observation wells, and piezometers across the entire Facility each quarter during 2007. Water level elevations were calculated by subtracting the depth-to-water readings from the surveyed elevations (according to Facility plant datum) of the top of well casings. Groundwater elevations for the first, second, third and fourth quarters of 2007 are provided in Table 2. Also presented in Table 2 are the changes in groundwater elevations in each well between the 2006/2007 annual reporting periods.

Table 2 indicates that groundwater elevations were generally higher in 2007 as compared to 2006. Seasonal variations in both rainfall and Mississippi River stages were reviewed to evaluate potential causes for the overall increase in water levels observed during 2007. Rainfall data show that the yearly total rainfall was slightly higher in 2007 (55.77 inches) as compared to 2006 (53.60 inches), with slightly more rainfall coming in the second half of 2007. The rainfall for 2007 met the historical annual average of 55.77 inches. Water levels of the Mississippi River at Red River Landing, LA show the daily average was also slightly higher in 2007 as compared to 2006 data. Variations in Mississippi River stage throughout 2007 were similar to those previously observed.

## 3.2. TOTAL WELL DEPTH AND IMMISCIBLE LAYER MEASUREMENTS

Measurement of total well depths and immiscible layer thicknesses is conducted biennially. Total depths and immiscible layer measurements were collected previously in 2005 and were collected again as part of this 2007 groundwater monitoring program. These measurements are presented in Table 3.

## 3.3. POTENTIOMETRIC MAPS

Potentiometric contour maps were generated for each of the four monitored units. Since the majority of sampling was conducted during first quarter 2007 (1Q07) and third quarter 2007 (3Q07), potentiometric maps (Figures 8 through 15) were created from data collected in the 1Q07 and 3Q07.

Based on the potentiometric contours, groundwater flow in all units beneath the Facility is to the south-southwest as observed during previous reporting periods. In general, the equipotential contours within all four units parallel the Mississippi River bluff escarpment, indicating discharge to, and (during periods of high river stage) recharge from, the alluvial floodplain deposits of the river. Some variations in the direction of groundwater flow are observed. These variations can be attributed to localized variations in hydraulic conductivity and the influence of groundwater withdrawal from the existing groundwater recovery system. Groundwater recovery has induced steeper gradients in areas of active groundwater recovery due to drawdown around recovery wells. These areas of steep gradient around recovery wells indicate hydraulic containment of constituents in these areas.

In general, potentiometric conditions observed during this reporting period were similar to conditions observed during previous reporting periods. The following sections further describe the potentiometric conditions within each unit during 2007.

### 3.3.1 UNIT 3 (A ZONE)

Water-level measurements were obtained from 68 monitor wells, piezometers, and interceptor wells screened in Unit 3 during 2007 (Table 2). The potentiometric elevations in Unit 3 ranged from a high of 73.23 feet Plant Datum (PD) in 1Q07 (P-52, located northwest of the facility) to a low of 37.77 feet PD in 1Q07 (SM-04, located on the west side of the Facility). Average water levels in Unit 3 were slightly higher in 2007 than in 2006.

Hydraulic control appears to have been achieved at Interceptor Wells I-2, I-2R, and I-10. Each of these wells has produced from 5 to 20 feet of drawdown, based on groundwater level measurements from nearby wells.

Hydraulic gradients in Unit 3 were calculated from the 1Q07 and 3Q07 potentiometric contours on Figures 8 and 9. The average horizontal hydraulic gradient in Unit 3 during 2007 was approximately 0.007 ft/ft, slightly lower than the 2006 average of 0.008 ft/ft.

### 3.3.2 UNIT 4 (B-1 ZONE)

Water-level measurements were obtained from 63 monitor wells, piezometers, and interceptor wells screened in Unit 4 during 2007 (Table 2). The potentiometric elevations in Unit 4 ranged from a high of 65.18 feet PD in 2Q07 (upgradient Monitor Well 01-B on the eastern property boundary) to a low of 24.43 feet PD in 4Q07 (AT-36, located across the southern boundary of the facility).

Hydraulic control appears to have been achieved at Interceptor Wells I-3, I-5, I-7, I-8, I-9, R-5, R-29A and R-30A. Each of these wells has produced from 1 to 8 feet of drawdown in its vicinity.

Hydraulic gradients in Unit 4 were calculated from the 1Q07 and 3Q07 potentiometric contours presented on Figures 10 and 11. The average horizontal hydraulic gradient in Unit 4 during 2007 was approximately 0.0108 ft/ft, approximately equal to the 2006 average.

### 3.3.3 UNIT 6 (B-2 ZONE)

Water-level measurements were obtained from 64 monitor wells, piezometers, and interceptor/recovery wells screened in Unit 6 during 2007 (Table 2). The potentiometric elevations in Unit 6 ranged from a high of 60.89 feet PD in 3Q07 (DM-1, located in the southern margin of the facility) to a low of 19.56 feet PD in 4Q07 (I-6, located along the southern boundary of the property).

Hydraulic control appears to have been achieved at Interceptor Wells I-1, I-1R, I-4, I-6, R-1, and PR-1B. Each of these wells has produced from 5 to 25 feet of drawdown in its vicinity.

Hydraulic gradients in Unit 6 were calculated from the 1Q07 and 3Q07 potentiometric contours presented on Figures 12 and 13. The average horizontal hydraulic gradient in Unit 6 during 2007 was approximately 0.0111 ft/ft, approximately equal to the 2006 average.

### 3.3.4 UNIT 8 (C ZONE)

Water-level measurements were obtained from 32 wells screened within Unit 8 during 2007 (Table 2). The potentiometric elevations in Unit 8 ranged from a high of 55.80 feet PD in 2Q07 (upgradient Monitor Well 14C, located in the northeast side of the facility) to a low of 26.26 feet PD during 4Q07 (downgradient Monitor Well AT-30, located off site on ExxonMobil property).

Hydraulic gradients in Unit 8 were calculated from the 1Q07 and 3Q07 potentiometric contours presented on Figures 14 and 15. The average horizontal hydraulic gradient in Unit 8 during 2007 was approximately 0.0105 ft/ft, slightly higher than the 2006 average.

## 3.4. INFLUENCE OF MISSISSIPPI RIVER

A hydrograph showing the influence of the Mississippi River on groundwater flow in the southwestern (downgradient) portion of the Facility is presented as Figure 16. Fluctuations in river stage cause direct changes to groundwater levels within the Unit 6 wells in this area. This influence is particularly apparent during sustained high-river-stage periods (i.e., as typically observed between March and June of each year). During these periods, the river stage elevation often approaches the groundwater elevations in the monitor wells, resulting in potential for flow from the river towards Monitor Wells AT-13 through AT-17.

## 3.5. GROUNDWATER FLOW COMPONENTS

The potentiometric maps and water-level data were evaluated to assess the horizontal and vertical groundwater flow components in the various permeable units. The following subsections contain a discussion of these evaluations.

### 3.5.1 HORIZONTAL SEEPAGE VELOCITY.

Evaluations of the average horizontal seepage velocity ($V_h$) have been made for each of the four permeable units at the Facility. The evaluations utilize the following application of Darcy's law:

$$V_h = k_h i / n_e$$

*Where:*

$V_h$ = *horizontal groundwater seepage velocity*
$k_h$ = *horizontal hydraulic conductivity of the saturated zone*
$i$ = *horizontal hydraulic gradient*
$n_e$ = *effective porosity of the saturated zone*

The hydraulic conductivity utilized in the calculations was the average of values calculated from slug tests performed in each unit. Slug test data from Table 2.1.3-2C of the "Final RCRA Facility Investigation" Report (Volume II.1, Section 2.1.3) (ENCOR, 1992) were averaged with more recent data collected during 1992, 1993 and 1995 (refer to Table 2 of this report). The average hydraulic gradient for each unit was calculated from potentiometric maps as illustrated on Figures 8 through 15..

The effective porosity used in the above calculation refers to the amount of interconnected pore space available for fluid flow. An average value of 0.20 has been assumed as the effective porosity for each unit (Domenico & Schwartz, 1990). With the wide variation typically associated with hydraulic conductivity, values varying over an order of magnitude within a given formation are common. As a result, effective porosity is a relatively insensitive parameter in the groundwater flow velocity calculation, and the selected value is considered reasonable.

Results of the horizontal groundwater seepage velocity calculations are summarized on Table 4. As shown on that table, average (2006 and 2007) groundwater seepage velocities vary from a low of 22 feet per year in Unit 3 to a high of 103 feet per year in Unit 8. For 2007, the velocities are lower in Units 3, 4 and 6, while higher in Unit 8, compared to velocities calculated during 2006. These values should be judged relatively as order-of-magnitude estimates. Actual horizontal seepage velocities within each unit could vary significantly based on localized geologic variations and hydrodynamic stresses caused by groundwater pumping.

### 3.5.2 VERTICAL SEEPAGE VELOCITY,

The four permeable units (Units 3, 4, 6 and 8) are typically separated by aquitards consisting of very low permeability clays and silty clays. However, based upon evaluations presented in the geologic model, and further confirmed in isolated areas by soil borings, some interconnection of the units does exist. The similarities in the potentiometric contours of each unit further indicate some degree of interconnection of units. This interconnection is particularly evident in Units 3 and 4.

The theoretical vertical seepage velocity through aquitards can be calculated by using Darcy's law, as follows:

$$V_v = k_v i / n_e$$

*Where:*

$V_v$ = *vertical groundwater seepage velocity*
$k_v$ = *vertical hydraulic conductivity of the aquitard*
$i$ = *vertical hydraulic gradient*
$n_e$ = *effective porosity of aquitard = 0.20*

Vertical hydraulic conductivities of the aquitards (Units 5, 7 and 9) were calculated from laboratory test results. These data are summarized in Table 2.1.3-2E of the final RFI Report (Volume II.1, Section 2.1.3). The difference in potentiometric elevation between two adjacent permeable units (Units 4, 6 and 8) was calculated by averaging water-level data collected from all wells during the first, second, third and fourth quarters of 2007. The difference in head between Unit 8 and the 400-ft sand aquifer was derived from information provided in the RFI Report. Therefore, these calculations represent a site-wide average velocity and actual velocities may vary due to variations in aquitard thickness and hydraulic conductivity, and the effects of groundwater recovery. The effective porosity for each aquitard was assumed to be 0.20, which is consistent with values reported for silt and clay aquitards (Domenico and Schwartz, 1990). Using these data, the following table was developed:

| Flow From | Flow To | Aquitard | Average Aquitard Thickness (ft) | $k_v$ (cm/sec) | Average Head Difference (ft) | $V_v$, Average Vertical Flow (ft/yr) |
|---|---|---|---|---|---|---|
| Unit 4 | Unit 6 | Unit 5 | 27 | $3.91 \times 10^{-8}$ | 41.49-47.69=-6.20 | -0.046 |
| Unit 6 | Unit 8 | Unit 7 | 32 | $5.76 \times 10^{-8}$ | 46.17-41.49=4.68 | 0.044 |
| Unit 8 | 400-Ft Sand | Unit 9 | 50 | $1.40 \times 10^{-7}$ | 53.87-46.17=7.70 | 0.11 |

As shown on the table above, the difference in average head between Unit 4 and Unit 6 is negative, indicating the vertical groundwater gradient direction is slightly upward, on average, from Unit 6 to Unit 4.

Note that flow between Units 3 and 4 was not calculated in the above table since these units are typically interconnected (i.e., the units are generally not separated by an aquitard).

The preceding table provides an elementary analysis of the vertical flow component between adjacent units using the above application of Darcy's law. It should be noted that, in general, the horizontal component of flow is considered much more significant than the vertical component given the horizontal stratification of the alluvial deposits at the Facility. Vertical hydraulic conductivity values are typically on the order of one-tenth of the horizontal hydraulic conductivities due to horizontal bedding, which is accentuated by the compaction process. Such anisotropic conditions are well documented in the literature (e.g. Todd, 1980). In reality, the more predominant areas where vertical flow will occur between the various permeable units are within areas where these units are interconnected. A more detailed discussion of the vertical groundwater flow at the Facility may be found in Volume III, Section 2.1.5 of the RFI.

# 4. EVALUATION OF GROUNDWATER QUALITY DATA

The following subsections present the data reported in Tables 5 through 8 and Figures 17 through 25, as well as providing a summary of trends observed in groundwater constituent classes. Table 5 provides a summary for detected constituent in all wells for 2007. For each well, this table lists only detected constituents. Compounds that were analyzed but not detected are not included in the table.

Data from 2007 were used to generate constituent isoconcentration maps for each monitored unit and each class of constituents typically detected (i.e., VOCs, SVOCs and Pesticides/Herbicides). In addition, both historical and 2007 data were used to generate concentration versus time graphs for each constituent class (Appendix F). Isoconcentration maps and historical trend graphs were not generated for PCBs and inorganic constituents since these compounds have generally been non-detect or have not exhibited concentrations above those observed in upgradient wells. All inorganic data (metals, sulfides, and cyanides) detected above method detection limits are presented on Table 5 for completeness.

Reported constituent concentrations may vary slightly in the associated text, tables, and figures due to format and rounding of numbers.

## 4.1. CONSTITUENT ISOCONCENTRATION MAPS

Isoconcentration maps were generated for VOC, SVOC and Pesticide/Herbicide concentrations for Units 3, 4 and 6 (Figures 17 through 25). Isoconcentration maps were not generated for Unit 8 since only low-level, isolated occurrences of constituents were detected in this unit. Section 4.1.4 below provides a discussion of the constituents observed in Unit 8.

In instances where a well had more than one set of data for the reporting period, an average concentration was calculated and used to construct the isoconcentration contours. All concentrations shown on the maps are in milligrams per liter (mg/l). The isoconcentration maps are contoured to illustrate order of magnitude variations (i.e., 10 mg/l, 1 mg/l, 0.1 mg/l, etc). It should be noted that results below detection limits and instances where constituents were detected in the Method Blank (i.e., concentrations footnoted with a "J", "B", or "Q" in Table 7) are not included in the "total" concentration amounts illustrated on Figures 17 through 25. Excluding these concentrations is considered insignificant due to the order-of-magnitude contour intervals used. Table 5 lists results that were below detection limits for each well. The following subsections provide a detailed discussion of the constituents observed in Units 3, 4, 6 and 8.

### 4.1.1 UNIT 3 (A ZONE)

In general, analytical results for this unit in 2007 were consistent with previous years. Residual concentrations of VOCs, SVOCs, and pesticides/herbicides are present within Unit 3. Figures 17, 18, and 19, respectively, illustrate isoconcentration contours depicting the areal distribution of these constituent

groups. Review of these figures, along with Tables 5, 6, 7, and 8, indicate the following:

- Total VOC concentrations in Interceptor Wells I-2 and I-2R, and in wells 04A, 23A, and 24A (Area 1, the South Landfill Area) ranged from 0.0039 mg/l to 230 mg/l (Figure 17). Total VOC concentrations observed in wells 25A, 27A, and 28A (Area 6, Process Area), ranged in concentration from 0.685 mg/l to 9.365 mg/l. Total VOC concentrations in wells I-10, 6A, 7A, 12A, 13A, 13A-R, and SM-03 (Area 3, West Landfill Area), ranged from 0.379 to 22.05 mg/l. Well 10A and P-26 (Area 4, Cell 719) exhibited total VOC concentrations averaging 0.4855 mg/l and 0.0125 mg/l, respectively.

- Total SVOC concentrations in Unit 3 (Figure 18) were observed in Area 3 (wells 6A, 12A, 13A-R, and SM-3) with total SVOC concentration ranging from 0.0245 mg/l to 0.274 mg/l). Area 6 (wells 27A and 25A with concentrations of 0.029 mg/l and 0.595 mg/l, respectively), and Area 4 (wells 10A and P-26 with concentrations of 0.2765 mg/l and 0.0435 mg/l, respectively). Well 24A, located in Area 1, had a total SVOC concentration of 2.555 mg/l. Total SVOC concentrations in other portions of the facility were below detection limits.

- The highest total pesticide/herbicide concentrations in Unit 3 (Figure 19) were detected in Area 3 [wells 12A (0.02008 mg/l) and SM-03 (0.01206 mg/l)] and Area 6 [wells 25A (0.07267 mg/l) and well 27A (0.01254 mg/l)]. Wells 04A and 24A, located in Area 1, had total pesticide/herbicide concentrations of 0.0061 mg/l and 0.00071 mg/l respectively. Total pesticide/herbicide concentrations detected in other portions of the facility were less than 0.005 mg/l.

### 4.1.2 UNIT 4 (B-1 ZONE)

In general, analytical results for this unit in 2007 were consistent with previous years. Residual concentrations of VOCs, SVOCs, and pesticides/herbicides are present within Unit 4. Figures 20, 21, and 22, respectively, illustrate isoconcentration contours depicting the areal distribution of these constituent groups. Review of these figures, along with Tables 5, 6, 7, and 8, indicate the following:

- The highest concentration of VOCs detected in Unit 4 was off-site and downgradient of the Facility to the southwest, on GBRPC property (Figure 20). Well AT-36, showed an average total VOC concentration of 340 mg/l which, based on extensive investigation, appears unrelated to the Facility. The next highest concentration was detected in Area 4 well I-12, which had an average VOC concentration on the order of 61.1 mg/l, much lower than the concentration detected downgradient in well AT-36. Elevated VOC concentrations were also observed in Area 1 wells 4B-1, I-7, I-8, R-5, and 32B-1; Area 2 wells 5B and 5B-1; Area 3 wells 13B, 21A, 7B, and I-5; Area 4 wells 9AW, I-13, and I-11; and Area 6 wells 29A, 30A, 26A. VOC concentrations ranged from 0.0975 mg/l to 8.0 mg/l. Other areas generally exhibit total VOC concentrations less than 1.0 mg/l.

- The highest total SVOC concentration in Unit 4 was observed in Area 3 in well 21A with a total

concentration of 5.655 mg/l (Figure 21). Total SVOC concentrations in other portions of the facility (Areas 1 and 4) were less than 1.0 mg/l with the exception of wells 7B and 13B-1 in Area 3 with average total SVOC concentrations of 1.545 mg/l and 1.15 mg/l, respectively, and well 5B-1 in Area 2 with 1.0975 mg/l.

- The highest average total pesticide/herbicide concentration in Unit 4 was detected in Area 1 wells 4B-1 and 32B-1; Area 2 wells 5B-1 and 5B; and Area 3 wells 20A, 13B-1, and 7B (Figure 22). Pesticide/herbicide concentrations ranged from 0.00667 mg/l to 0.01722 mg/l in these wells. Pesticides/herbicides were also detected at lower concentrations (less than 0.01 mg/l) in the vicinity of Areas 1, 3 and 6.

### 4.1.3 UNIT 6 (B-2 ZONE)

In general, analytical results for this unit in 2007 were consistent with previous years. Residual concentrations of VOCs, SVOCs, and pesticides/herbicides are present within Unit 6. Isoconcentration contours depicting the areal distribution of these constituent groups are presented on Figures 23, 24, and 25, respectively. Review of these figures, along with Tables 5, 6, 7, and 8, indicate the following:

- As in Unit 4, the highest VOC concentrations were detected offsite and downgradient of the Facility on the GBRPC site (Figure 23). The highest average total VOC concentration of 243 mg/l was detected in Monitor Well AT-34. A predominant constituent detected in this well, and nearby wells, was 1,1,1,2-tetrachloroethane. The data strongly indicate that this constituent is associated with a downgradient offsite source. VOCs were also detected in Area 1 wells 4B, 24B-2, 31B-2, 32B-2, I-1, I-1R, I-6, AT-15, AT-35, AT-37, DM-03; Area 2 well 5B-2; Area 3 wells 6BR, 21B-1, and AT-21; and Area 6 well 28B-1. VOC concentrations ranged from 0.0055 mg/l to 10.05 mg/l. Concentrations of VOCs in other portions of the facility were less than 0.7 mg/l.

- The highest SVOC concentrations were detected in Area 3 well 21B-1 at a total concentration of 0.9645 mg/l and in off-site and downgradient GBRPC well AT-34 at a total concentration of 0.5275 mg/l (Figure 24). SVOC concentrations were also detected in Area 1 wells 31B-2, 32B-2, 24B-2; Area 2 well 5B-2; and Area 4 well 10B. SVOC concentrations ranged from 0.047 mg/l to 0.2855 mg/l.

- Similar to the SVOC plume described above, the Unit 6 pesticide/herbicide plume (Figure 25) generally occurs immediately downgradient of Area 1, within upgradient portions of the Unit 6 VOC plume. The predominant constituents detected have included the herbicides Silvex, 2,4,5-T and 2,4-D. Total pesticide/herbicide concentrations ranged from 0.61725 mg/l (well 24B-2) near the source to non-detectable levels within a few hundred feet to the southwest. Low-level sporadic detections (less than 0.005 mg/l) were observed in downgradient wells, located southwest and off-site of the Facility, as well as 21B-1, which is located on the boundary between Area 3 and Area 4.

### 4.1.4 UNIT 8 (C ZONE)

In general, analytical results for this unit in 2007 were consistent with previous years. Isolated, low-level concentrations of VOCs have been detected in Unit 8 (see Tables 5, 6, 7, 8). Due to the relatively limited extent of constituents in this unit, isoconcentration maps were not generated. Conditions in Unit 8 may be summarized as follows:

- Low-level VOCs were detected in Unit 8 well 53C (Area 3) and 33CU (Area 2).
- SVOCs were not detected in Unit 8 wells at or above MDLs during 2007.
- Herbicides/pesticides were not detected in Unit 8 wells at or above MDLs during 2007.

## 4.2. HISTORICAL TRENDS

Total concentration versus time graphs for each constituent group (i.e., total VOCs, total SVOCs and total Pesticides/Herbicides) was generated for each well in order to assess long-term data trends. The concentration-versus-time graphs are included in Appendix F. The majority of affected wells have demonstrated long-term decreases in concentration of VOCs, SVOCs, and Pesticides/Herbicides. Many of the wells with long-term increases have shown short-term decreases for the past several years.

For each graph, regression analyses were performed to calculate the equation of the "best fit" line through the data; the regression equation is presented at the bottom of each graph. The slope coefficient in the equation indicates the rate of change in concentration over time, while its sign indicates the direction of change (positive for increasing and negative for decreasing). Since concentrations can vary over time by several orders of magnitude, the data were graphed on a semi-logarithmic scale in units of parts per billion (ppb). All values of non-detection are represented as 1 ug/l due to the inability to graph zero on a logarithmic scale.

To provide an assessment of short-term trends, total concentrations for the various constituent groups detected within each well during 2007 were compared to total concentrations detected during 2006. Changes in total VOC, SVOC, and Pesticide/Herbicide concentrations from the 2006 annual reporting period are presented on Tables 6, 7, and 8, respectively. A negative value indicates a decrease from 2006 while a positive value indicates an increase.

The following subsections summarize both long- and short-term trends for each constituent group (i.e., total VOCs, SVOCs, and Pesticides/Herbicides). Long-term trends are evaluated by reviewing the historical trend graphs presented in Appendix F. Short-term trends are evaluated by reviewing both the trend graphs and Tables 6, 7, and 8. For purposes of this evaluation, "unaffected" wells will refer to wells with constituent concentrations below method detection limits (MDLs) whereas "affected" wells will refer to wells with constituent concentrations (other than laboratory-type constituents) above MDLs.

Based on the analytical testing results, 50% of the wells sampled in 2007 (97 out of 194) contained VOCs above Method Detection Limits (MDLs). In addition, 29% (43 out of 147) and 35% (51 out of 147) of the wells sampled contained SVOC and Pesticide/Herbicides, respectively.

### 4.2.1 Long-Term Trends

Review of historical trend graphs of affected wells presented in Appendix F reveals the following regarding long-term concentration trends.

| Constituent Group | # of Wells Analyzed in 2007 | # of Wells Showing Constituents[1] | # of Affected Wells Showing *Long-Term Increases* | # of Affected Wells Showing *Long-Term Decreases/No Change* |
|---|---|---|---|---|
| VOCs | 194 | 97/194 (50%) | 41/97 (42%) | 56/97 (58%) |
| SVOCs | 147 | 43/144 (30%) | 19/43 (44%) | 24/43 (56%) |
| Pests/Herbs | 147 | 51/144 (35%) | 19/51 (37%) | 32/57 (56%) |

*[1] Includes wells that have historically indicated constituents and have more than one data point. Concentration-versus-time graphs are provided in Appendix F for these wells.*

These trends are consistent with those observed during the 2006 sampling program. It is important to note instances where long-term trends may not accurately reflect more recent conditions in a particular well. For instance, some wells showing long-term increases have actually begun to show decreases in more recent years. Conversely, several wells indicating long-term decreasing trends have actually been increasing over the short-term. Additional evaluations regarding short-term trends are provided in the following section.

### 4.2.2 Short-Term Trends

Tables 6, 7, and 8 were used to evaluate short-term trends. These tables compare average total concentrations detected within each well during the 2006 and 2007 reporting periods. Specifically, average concentrations of total VOCs, SVOCs, and Pesticides/Herbicides are listed in Tables 6, 7, and 8, respectively. Note that the 2007 averages shown on these tables were the same averages used to generate the isoconcentration maps. Review of these tables reveals the following regarding short-term trends:

| Constituent Group | # of Samples Used For Comparison | # of Wells Showing *Short-Term Increase*[1] | # of Wells Showing *Short-Term Decreases*[1] | # of Wells Showing *No Change*[2] |
|---|---|---|---|---|
| VOCs[3] | 194 | 37/194 (19%) | 23/194 (12%) | 134/194 (69%) |
| SVOCs[3] | 144 | 13/144 (9%) | 6/144 (4%) | 125/144 (87%) |
| Pests/Herbs[3] | 144 | 15/144 (10%) | 18/144 (13%) | 111/144 (77%) |

*[1] For increase/decrease trend analysis, the number of wells showing constituents was compared to the number of wells analyzed in 2006 (VOCs – 194, SVOCs – 144, Pests/Herbs – 144).*

*[2] Average concentrations for 2006 and 2007 are within ± 10% of each other.*

*[3] Analysis of short- term trends does not include corrective action wells since these wells were sampled for VOCs only.*

Well AT-34, located off-site and southwest of the facility (Unit 6) exhibited the highest short-term decrease in VOCs in 2007, an average of approximately 77.5 mg/l since 2006. Well AT-36 exhibited the highest short-term increase in VOCs in 2007, an average of approximately 123 mg/l.

A comparison of the 2006/2007 SVOC data in Table 7 shows that well 21B-1 exhibited the highest increase in SVOCs in 2007. Average SVOC concentrations in this well increased by 0.7745 mg/l. Decreases in SVOC concentrations during 2007 were most prevalent in well 7B, with an average decrease of 0.68 mg/l.

The highest increase in Pesticide/Herbicide concentrations during 2007 was 0.61312 mg/l in well 24B-2. The highest short-term decrease during 2007 was observed in well 4A, with an average decrease of 0.0579 mg/l.

### 4.2.3 pH AND CONDUCTIVITY

Measurements of pH/conductivity were taken in the field during sampling as required by the Permits. Trend graphs showing both the recent and historical pH/conductivity data are presented in Appendix F of this report. These trend graphs provide useful information regarding variations in groundwater quality within a particular well. For many sites with little or no baseline analytical data, these parameters can be evaluated using statistical methods to identify potential areas of groundwater impact. However, due to the extensive amount of analytical data presently available for the Facility, these data are more useful in evaluating the consistency between historical sampling events rather than predicting potential groundwater impacts.

Review of the pH/conductivity graphs in Appendix F provides for the following observations:

- In general, pH/conductivity values measured during 2007 were consistent with readings obtained during 2006 and previous years. Historical trends for pH/conductivity are relatively flat with no significant changes.

- The values of pH occur within the range of 5.50 Standard Units (SU) to 8.00 SU, often averaging near 7.00 SU (i.e., in the neutral range).
- Conductivity values generally range from 500 to 1,000 micromhos per centimeter (μmhos/cm.).

# 5. INTERCEPTOR AND RECOVERY WELL EVALUATIONS

Groundwater remediation, in the form of recovery and treatment, has been ongoing at the facility since 1981. The groundwater remediation system recovered approximately 73 pounds of VOCs in 2007. Sixteen wells are currently operational (see Appendix E). Figure 5 illustrates the locations of the interceptor and recovery wells located at the Facility. Detailed information regarding historical groundwater recovery efforts at the facility is provided in past annual groundwater reports. The following subsections present groundwater recovery evaluations associated with the 2007 reporting period.

## 5.1. PUMPING VOLUMES AND CONSTITUENT REMOVAL

Interceptor and recovery wells use flow meters to monitor the volume of groundwater recovered from each well. Flow meter readings are generally obtained on a weekly basis and adjustments to the meters, pumps, flow lines, etc. are made as necessary. Pumping volumes and estimates of constituent removal (based on average total VOC concentrations for each well) are provided in Table 9, and trend graphs of total VOCs detected in these wells are presented in Appendix F.

As shown on Table 9, the interceptor and recovery well program has resulted in the removal of over 220 million gallons of groundwater from beneath the Facility since its inception in 1981. Approximately 7.3 million gallons of groundwater were removed during 2007, more than the 6.8 million removed during the 2006 reporting period.

As required by the Permits, calculations were made to estimate the amount of constituents removed by the corrective action program for this reporting period. Since VOC analyses were conducted on the interceptor and recovery well samples, average total VOC concentrations formed the basis for the mass removal estimate. The following mass balance equation was used to estimate the amount of constituents removed in pounds.

$$\textit{Mass Removal (lbs)} = \textit{Volume (Gallons)} \times \textit{Average TVOC Concentration (mg/l)} \times \underbrace{8.35 \times 10^{-6}}_{\textit{(conversion factor)}}$$

Figures 26, 27, and 28 provide graphic illustrations of total groundwater recovered and total VOCs removed since 2000 for Units 3, 4, and 6, respectively. The total amount of VOCs removed during 2007 was calculated to be approximately 73 pounds (as compared to 67 pounds removed in 2006). This can be attributed to the higher average VOC concentrations at the facility and higher pumping volume.

The majority of the VOC mass removed during 2007 was from Unit 4, which accounted for 32.43 pounds of total mass removed. Recovery well I-2 (Unit 3), located along the southern portion of the Facility, recovered the largest mass of VOCs (approximately 13 pounds), with a smaller amount of groundwater removed (approximately 536,688 gallons) in relation to other recovery wells. Unit 3 and 4 recovery wells accounted for 30% of VOCs recovered (22.31 pounds), despite accounting for only 2% of the total

groundwater removed. This is due to the fact that the Unit 3 wells have the highest total VOC concentrations. The overall volume recovered by the active recovery wells remains consistent with the previous reporting period though the total mass removed in 2007 is more than previous years due to the higher pumping rate and increase in average TVOC concentrations.

Recovery Wells R-2, R-3, and R-4 were not operational during the 2006 or 2007 year, as approved by LDEQ. The wells were sampled, however, and a minor volume of water was recovered during purging and sampling activities.

## 5.2. System Operation and Maintenance

The Interceptor and Recovery Well System generally operated 24 hours a day, 7 days a week during 2007, and was operational for over 95% of the year. In accordance with Condition L of Permit, all active interceptor and recovery wells were operational for over 75 % of the reporting period.

During 2007, occasions of recovery well cessation occurred, primarily for replacement of meters, pump adjustments, and damaged wiring.

# 6. SUMMARY AND CONCLUSIONS

Groundwater conditions at the facility for calendar year 2007 are consistent with conditions observed in previous years. The on-going groundwater monitoring program at the Facility provides an extensive database of water quality information. These analytical data, combined with physical data concerning soil stratigraphy, groundwater flow directions and gradients, provide the basis for conclusions regarding the groundwater quality assessment program.

Quarterly potentiometric contour maps for the first and third quarters of 2007 indicate groundwater flow to be in a south-southwest direction in all four units with average gradients ranging from 0.007 ft/ft to 0.0111 ft/ft. These flow directions and gradients are consistent with previous reporting periods. Groundwater recovery has induced steeper gradients in areas of active groundwater recovery, due to drawdown around recovery wells. Seasonal variations in potentiometric elevations during the year were consistent with historical trends. The water-level data suggest that Mississippi River stages are more of a controlling factor on water level elevations near the bluff than rainfall, particularly for the deeper units (i.e. Unit 6) downgradient of the facility.

Active groundwater remediation during 2007 consisted of the operation of 12 interceptor wells (I-1, I-1R, I-2, I-2R, I-3 through I-10) and four recovery wells (R-1/ PR-1B, R-5, 29A and 30A). The interceptor and recovery well program has removed over 220 million gallons of affected groundwater from beneath the facility since its inception in 1981. Approximately 7.3 million gallons of groundwater were removed during 2007. The mass of constituents removed by operating the interceptor and recovery wells during 2007 was calculated to be approximately 73 pounds (as compared to 67 pounds removed in 2006).

Additional areas are currently being assessed for the implementation of groundwater recovery. Recovery Wells R-2 and R-4 remained deactivated with LDEQ approval during 2007 in association with a prior investigation south of the Facility's Allied Tract. Recovery Well R-3 was deactivated in this area on February 16, 2001 because it had been pumping primarily unaffected water for the past several years. Approval to cease pumping was received from LDEQ in a letter dated January 24, 2001. Startup of recovery from wells I-11, I-12, and I-13 will be assessed during the CMI Work Plan preparation.

Evaluation of groundwater quality data indicates, as with previous reporting periods, the highest concentrations of constituents on site are being detected in the South Landfill Area, Process Area and West Landfill Area. Some of the higher concentrations of constituents were detected in corrective action wells, particularly 29A (Area 6), 30A (Area 6), I-2 (Area 1), I-2R (Area 1), I-7 (Area 1), I-11 (Area 4), and I-12 (Area 4).

Monitor wells located downgradient of the Facility near the Port Commission property continue to exhibit high concentrations of constituents (relative to the Facility). Total VOC concentrations in Unit 4 and Unit 6 wells in this area were as high as 243 mg/l and 340 mg/l, respectively. The constituents and concentrations detected in these wells are not consistent with data collected from upgradient Facility wells, indicating a likely downgradient source.

# 7. PROPOSED ACTIVITIES FOR 2008

The groundwater program outlined in Post-Closure Permit LAD010395127-PC-3 (Landfill Cell 717) will be followed during 2008. Aside from the routine groundwater monitoring planned for 2008, additional assessment and corrective action programs will be conducted as required. Activities currently planned and/or anticipated for the 2008 reporting period include:

- Continued monitoring of the existing recovery well system with a goal of enhancing the effectiveness of on-going corrective actions.
- Development and submittal of CMI Work Plan.
- Development and submittal of Revised Groundwater Sampling and Analysis Plan.

The frequency of certain groundwater monitoring activities has been revised from an annual schedule to being required once every two years as part of the approved Post-Closure Permit for Landfill Cell 717. The total depth and immiscible layer survey was conducted this year, and will be conducted again in 2009. Radionuclides and TICs will be analyzed again as part of the 2008 groundwater monitoring program.

# 8. REFERENCES


Clean Harbors Baton Rouge, LLC, *2002-2007 Semi-Annual and 2002-2006 Annual Groundwater Monitoring Reports, Clean Harbors Baton Rouge Hazardous Waste Management Facility, Baton Rouge, Louisiana*, 2005.

Domenico, P.A., and F.W. Schwartz, 1990. *Physical and Chemical Hydrogeology*. John Wiley & Sons, New York.

ENCOR, Final RCRA Facility Investigation at Rollins Environmental Services (LA), Inc., Baton Rouge, Louisiana, September 1992.

ENCOTEC and Aquaterra, Inc., *Draft Corrective Measures Study, Rollins Environmental Services (LA) Inc., Baton Rouge, Louisiana*, August 1995.

Safety-Kleen (Baton Rouge), Inc., *1998-2002 Semi-Annual and 1998-2001 Annual Groundwater Monitoring Reports, Safety-Kleen (Baton Rouge) Hazardous Waste Management Facility, Baton Rouge, Louisiana*, 1998-2003.

Safety-Kleen Consulting, Inc., *Adddendum No. 2, Draft Corrective Measures Study, Safety-Kleen (Baton Rouge) Inc., Baton Rouge, Louisiana, 1998*

Todd, David K. *Groundwater Hydrology*. New York: John Wiley and Sons, 1980.

# TABLES

## 2007 ANNUAL GROUNDWATER REPORT

## CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P

## CAMERON-COLE, LLC

# TABLE 1
# LAC 33:V.3225, TABLE 4-ANALYTICAL TESTING SUMMARY
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL [7] | SAMPLE DATE | VOCs [1] | SVOCs [2] | PESTICIDES/ HERBICIDES [3] | METALS [4] | CYANIDE/ SULFIDE [5] | RADIONUCLIDES [6] |
|---|---|---|---|---|---|---|---|
| 01A | 1/8/2007 | X | | | X | | |
| 01B | 1/8/2007 | X | | | X | | |
| 01C | 1/8/2007 | X | | | X | | |
| 02A | 1/8/2007 | X | | | X | | |
| 03A | 1/10/2007 | X | | | X | | |
| 03C | 1/10/2007 | X | X | X | X | X | |
| 03C | 7/10/2007 | X | | | | | |
| 04A | 6/4/2007 | X | X | X | X | X | |
| 04A | 8/23/2007 | X | Only VOCs sampled due to lack of water. | | | | |
| 04B | 3/7/2007 | X | X | X | X | X | |
| 04B | 8/23/2007 | X | | X | | | |
| 04B-1 | 3/13/2007 | X | X | X | X | X | |
| 04B-1 | 8/28/2007 | X | | X | | | |
| 04B-2 | 1/29/2007 | X | X | X | X | X | |
| 04B-2 | 7/23/2007 | X | | | | | |
| 04C | 5/15/2007 | X | | | | | |
| 04CL | 1/29/2007 | X | X | X | X | X | |
| 04CL | 7/23/2007 | X | | | | | |
| 04CU | 1/29/2007 | X | X | X | X | X | |
| 04CU | 7/23/2007 | X | | | | | |
| 05A | 5/15/2007 | X | | | | | |
| 05AR | 3/5/2007 | X | X | X | X | X | |
| 05AR | 8/21/2007 | X | | | | | |
| 05B | 3/5/2007 | X | X | X | X | X | |
| 05B | 8/21/2007 | X | X | X | | | |
| 05B-1 | 1/16/2007 | X | X | X | X | X | |
| 05B-1 | 8/7/2007 | X | X | X | | | |
| 05B-2 | 3/5/2007 | X | X | X | X | X | |
| 05B-2 | 8/21/2007 | X | X | | | | |
| 05C | 1/16/2007 | X | X | X | X | X | |
| 05C | 7/12/2007 | X | | | | | |
| 05CU | 1/22/2007 | X | X | X | X | X | |
| 05CU | 7/12/2007 | X | | | | | |
| 06A | 2/5/2007 | X | X | X | X | X | |
| 06A | 8/2/2007 | X | X | X | | | |
| 06B | 2/5/2007 | X | X | X | X | X | |
| 06B | 8/2/2007 | X | | X | | | |
| 06B-2R | 2/5/2007 | X | X | X | X | X | |
| 06B-2R | 7/25/2007 | X | | | | | |
| 06BR | 2/1/2007 | X | X | X | X | X | |

[1] Volatile Organic Compounds (EPA Method 8260B).
[2] Semi-Volatile Organic Compounds (EPA Method 8270C).
[3] Chlorinated Pesticides/PCBs (EPA Method 8081A, 8082), Organophosphorus Pesticides (EPA Method 8141A), & Herbicides (EPA Method 8151A).
[4] Appendix IX List Metals (EPA Method 6010B, 7470A).
[5] Total Cyanide and Sulfide (EPA Method 9012A and 9030A, respectively).
[6] Gross alpha and beta (EPA Method 9310 Modified) and Radium (EPA Methods 903.0 and 904.0). Required every other year (2008)
[7] "a" - Represents an off-site monitor well belonging to ExxonMobil.
% - indicates immisible layer.

# TABLE 1
# LAC 33:V.3225, TABLE 4-ANALYTICAL TESTING SUMMARY
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL [7] | SAMPLE DATE | VOCs [1] | SVOCs [2] | PESTICIDES/ HERBICIDES [3] | METALS [4] | CYANIDE/ SULFIDE [5] | RADIONUCLIDES [6] |
|---|---|---|---|---|---|---|---|
| 06BR | 8/7/2007 | X | | X | | | |
| 06CR | 2/5/2007 | X | X | X | X | X | |
| 06CR | 7/25/2007 | X | | | | | |
| 07A | 3/1/2007 | X | Only VOCs sampled due to lack of water. | | | | |
| 07A | 8/20/2007 | X | Only VOCs sampled due to lack of water. | | | | |
| 07B | 3/1/2007 | X | X | X | X | X | |
| 07B | 8/20/2007 | X | X | X | | | |
| 8A | 1/22/2007 | dry | | | | | |
| 8A | 7/17/2007 | dry | | | | | |
| 8A-R | 1/22/2007 | dry | | | | | |
| 8A-R | 7/17/2007 | dry | | | | | |
| 08B | 3/1/2007 | X | X | X | X | X | |
| 08B | 8/20/2007 | X | | | | | |
| 08B-1 | 3/1/2007 | X | X | X | X | X | |
| 08B-1 | 8/20/2007 | X | | | | | |
| 08B-2 | 1/22/2007 | X | X | X | X | X | |
| 08B-2 | 7/17/2007 | X | | | | | |
| 08C | 1/22/2007 | X | X | X | X | X | |
| 08C | 7/17/2007 | X | | | | | |
| 09A | 3/12/2007 | X | X | X | X | X | |
| 09A | 8/16/2007 | X | | X | | | |
| 09AW | 3/12/2007 | X | X | X | X | X | |
| 09AW | 8/16/2007 | X | X | X | | | |
| 09B-1 | 1/17/2007 | X | X | X | X | X | |
| 09B-1 | 7/16/2007 | X | | | | | |
| 09CR | 1/17/2007 | X | X | X | X | X | |
| 09CR | 7/16/2007 | X | | | | | |
| 10A | 3/22/2007 | X | X | X | X | X | |
| 10A | 8/29/2007 | X | X | X | | | |
| 10AW | 1/23/2007 | X | X | X | X | X | |
| 10AW | 7/18/2007 | X | | | | | |
| 10B | 3/22/2007 | X | X | X | X | X | |
| 10B | 8/29/2007 | X | X | | | | |
| 11A | 3/12/2007 | X | X | X | X | X | |
| 11A | 8/16/2007 | X | | | | | |
| 11B | 1/15/2007 | X | X | X | X | X | |
| 11B | 7/12/2007 | X | | | | | |

[1] Volatile Organic Compounds (EPA Method 8260B).
[2] Semi-Volatile Organic Compounds (EPA Method 8270C).
[3] Chlorinated Pesticides/PCBs (EPA Method 8081A, 8082), Organophosphorus Pesticides (EPA Method 8141A), & Herbicides (EPA Method 8151A).
[4] Appendix IX List Metals (EPA Method 6010B, 7470A).
[5] Total Cyanide and Sulfide (EPA Method 9012A and 9030A, respectively).
[6] Gross alpha and beta (EPA Method 9310 Modified) and Radium (EPA Methods 903.0 and 904.0). Required every other year (2008)
[7] "a" - Represents an off-site monitor well belonging to ExxonMobil.
% - indicates immisible layer.

# TABLE 1
# LAC 33:V.3225, TABLE 4-ANALYTICAL TESTING SUMMARY
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL [7] | SAMPLE DATE | VOCs [1] | SVOCs [2] | PESTICIDES/ HERBICIDES [3] | METALS [4] | CYANIDE/ SULFIDE [5] | RADIONUCLIDES [6] |
|---|---|---|---|---|---|---|---|
| 11C | 1/15/2007 | X | | | X | | |
| 12A | 3/1/2007 | X | X | X | X | X | |
| 12A | 8/20/2007 | X | X | X | | X | |
| 13A | 5/15/2007 | X | | | | | |
| 13AR | 3/6/2007 | X | X | X | X | X | |
| 13AR | 8/22/2007 | X | X | X | | | |
| 13B | 5/15/2007 | X | | | | | |
| 13B-1 | 3/6/2007 | X | X | X | X | X | |
| 13B-1 | 8/22/2007 | X | X | X | | X | |
| 13B-2 | 1/31/2007 | X | X | X | X | X | |
| 13B-2 | 7/24/2007 | X | | | | | |
| 13C | 3/6/2007 | X | X | X | X | X | |
| 13C | 8/22/2007 | X | | | | | |
| 14A | 1/9/2007 | X | | | X | | |
| 14B | 1/9/2007 | X | | | X | | |
| 14C | 1/9/2007 | X | | | X | | |
| 15A | 2/6/2007 | dry | | | | | |
| 15A | 8/2/2007 | dry | | | | | |
| 15B | 2/6/2007 | X | X | X | X | X | |
| 15B | 8/2/2007 | X | | | | | |
| 16A | 1/11/2007 | X | X | X | X | X | |
| 16A | 7/11/2007 | X | | | | | |
| 17B-1 | 2/8/2007 | X | X | X | X | X | |
| 17B-1 | 8/1/2007 | X | | X | | | |
| 17B-2 | 2/8/2007 | X | X | X | X | X | |
| 17B-2 | 8/1/2007 | X | | | | | |
| 20A | 2/27/2007 | X | X | X | X | X | |
| 20A | 8/15/2007 | X | X | X | | | |
| 21A | 2/26/2007 | X | X | X | X | X | |
| 21A | 8/14/2007 | X | X | X | | X | |
| 21B-1 | 2/26/2007 | X | X | X | X | X | |
| 21B-1 | 8/14/2007 | X | X | X | | | |
| 22A | 1/17/2007 | X | X | X | X | X | |
| 22A | 7/16/2007 | X | | | | | |
| 22AW | 1/23/2007 | X | X | X | X | X | |
| 22AW | 7/17/2007 | X | | | | | |
| 22B-1 | 1/23/2007 | X | X | X | X | X | |
| 22B-1 | 7/17/2007 | X | | | | | |
| 23A | 2/26/2007 | X | X | X | X | X | |
| 23A | 8/14/2007 | X | | X | | | |

[1] Volatile Organic Compounds (EPA Method 8260B).
[2] Semi-Volatile Organic Compounds (EPA Method 8270C).
[3] Chlorinated Pesticides/PCBs (EPA Method 8081A, 8082), Organophosphorus Pesticides (EPA Method 8141A), & Herbicides (EPA Method 8151A).
[4] Appendix IX List Metals (EPA Method 6010B, 7470A).
[5] Total Cyanide and Sulfide (EPA Method 9012A and 9030A, respectively).
[6] Gross alpha and beta (EPA Method 9310 Modified) and Radium (EPA Methods 903.0 and 904.0). Required every other year (2008)
[7] "a" - Represents an off-site monitor well belonging to ExxonMobil.
% - indicates immisible layer.

# TABLE 1
# LAC 33:V.3225, TABLE 4-ANALYTICAL TESTING SUMMARY
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL [7] | SAMPLE DATE | VOCs [1] | SVOCs [2] | PESTICIDES/ HERBICIDES [3] | METALS [4] | CYANIDE/ SULFIDE [5] | RADIONUCLIDES [6] |
|---|---|---|---|---|---|---|---|
| 23B-1 | 2/26/2007 | X | X | X | X | X | |
| 23B-1 | 8/14/2007 | X | | | | | |
| 23B-2 | 1/24/2007 | X | X | X | X | X | |
| 23B-2 | 7/19/2007 | X | | | | | |
| 23C | 1/24/2007 | X | X | X | X | X | |
| 23C | 7/19/2007 | X | | | | | |
| 24A | 3/5/2007 | X | X | X | X | X | |
| 24A | 8/21/2007 | X | X | X | | X | |
| 24B-2 | 3/5/2007 | X | X | X | X | X | |
| 24B-2 | 8/21/2007 | X | X | X | | X | |
| 24C | 1/24/2007 | X | X | X | X | X | |
| 24C | 7/19/2007 | X | | | | | |
| 24CL | 1/24/2007 | X | X | X | X | X | |
| 24CL | 7/19/2007 | X | | | | | |
| 25A | 3/7/2007 | X | X | X | X | X | |
| 25A | 8/27/2007 | X | X | X | | | |
| 25B-1 | 1/9/2007 | X | X | X | X | X | |
| 25B-1 | 7/10/2007 | X | | | | | |
| 26A | 3/8/2007 | X | X | X | X | X | |
| 26A | 8/27/2007 | X | | X | | | |
| 27A | 3/8/2007 | X | X | X | X | X | |
| 27A | 8/27/2007 | X | X | X | | | |
| 28A | 3/8/2007 | X | X | X | X | X | |
| 28A | 8/27/2007 | X | | X | | | |
| 28B-1 | 1/10/2007 | X | X | X | X | X | |
| 28B-1 | 8/27/2007 | X | | | | | |
| 29A | 4/26/2007 | X | | | | | |
| 29A | 10/11/2007 | X | | | | | |
| 30A | 4/26/2007 | X | | | | | |
| 30A | 10/11/2007 | X | | | | | |
| 30B-1 | 1/10/2007 | X | X | X | X | X | |
| 30B-1 | 7/12/2007 | X | | | | | |
| 31B-1L | 3/13/2007 | X | X | X | X | X | |
| 31B-1L | 8/28/2007 | X | | | | | |
| 31B-1U | 2/13/2007 | X | X | X | X | X | |
| 31B-1U | 7/30/2007 | X | | | | | |
| 31B-2 | 3/13/2007 | X | X | X | X | X | |
| 31B-2 | 8/28/2007 | X | X | X | | | |

[1] Volatile Organic Compounds (EPA Method 8260B).
[2] Semi-Volatile Organic Compounds (EPA Method 8270C).
[3] Chlorinated Pesticides/PCBs (EPA Method 8081A, 8082), Organophosphorus Pesticides (EPA Method 8141A), & Herbicides (EPA Method 8151A).
[4] Appendix IX List Metals (EPA Method 6010B, 7470A).
[5] Total Cyanide and Sulfide (EPA Method 9012A and 9030A, respectively).
[6] Gross alpha and beta (EPA Method 9310 Modified) and Radium (EPA Methods 903.0 and 904.0). Required every other year (2008)
[7] "a" - Represents an off-site monitor well belonging to ExxonMobil.
% - indicates immisible layer.

# TABLE 1
# LAC 33:V.3225, TABLE 4-ANALYTICAL TESTING SUMMARY
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL [7] | SAMPLE DATE | VOCs [1] | SVOCs [2] | PESTICIDES/ HERBICIDES [3] | METALS [4] | CYANIDE/ SULFIDE [5] | RADIONUCLIDES [6] |
|---|---|---|---|---|---|---|---|
| 31C | 2/13/2007 | X | X | X | X | X | |
| 31C | 7/30/2007 | X | | | | | |
| 32A | 3/7/2007 | dry | | | | | |
| 32A | 8/23/2007 | dry | | | | | |
| 32B-1 | 3/7/2007 | X | X | X | X | X | |
| 32B-1 | 8/23/2007 | X | X | X | | | |
| 32B-2 | 3/7/2007 | X | X | X | X | X | |
| 32B-2 | 8/23/2007 | X | X | X | | | |
| 33A | 2/8/2007 | X | X | X | X | X | |
| 33A | 8/1/2007 | X | | | | | |
| 33B-1 | 2/8/2007 | X | X | X | X | X | |
| 33B-1 | 8/1/2007 | X | | | | | |
| 33B-2 | 2/27/2007 | X | X | X | X | X | |
| 33B-2 | 8/7/2007 | X | | | | | |
| 33CL | 2/28/2007 | X | X | X | X | X | |
| 33CL | 8/7/2007 | X | | | | | |
| 33CU | 2/28/2007 | X | X | X | X | X | |
| 33CU | 8/7/2007 | X | | | | | |
| 34A | 3/6/2007 | X | X | X | X | X | |
| 34A | 8/22/2007 | X | | | | | |
| 34B-1 | 3/6/2007 | X | X | X | X | X | |
| 34B-1 | 8/22/2007 | X | X | | | | |
| 35A | 1/31/2007 | X | X | X | X | X | |
| 35A | 7/24/2007 | X | | | | | |
| 35B-1 | 1/31/2007 | X | X | X | X | X | |
| 35B-1 | 7/24/2007 | X | | | | | |
| 35B-2 | 4/30/2007 | X | | | | | |
| 36A | 1/25/2007 | dry | | | | | |
| 36A | 7/18/2007 | dry | | | | | |
| 36B-1 | 1/25/2007 | X | X | X | X | X | |
| 36B-1 | 7/18/2007 | X | | | | | |
| 37A | 3/12/2007 | X | X | X | X | X | |
| 37A | 8/16/2007 | X | | | | | |
| 37B-1 | 1/25/2007 | X | X | X | X | X | |
| 37B-1 | 7/18/2007 | X | | | | | |
| 37B-2 | 1/25/2007 | X | X | X | X | X | |
| 37B-2 | 7/18/2007 | X | | | | | |

[1] Volatile Organic Compounds (EPA Method 8260B).
[2] Semi-Volatile Organic Compounds (EPA Method 8270C).
[3] Chlorinated Pesticides/PCBs (EPA Method 8081A, 8082), Organophosphorus Pesticides (EPA Method 8141A), & Herbicides (EPA Method 8151A).
[4] Appendix IX List Metals (EPA Method 6010B, 7470A).
[5] Total Cyanide and Sulfide (EPA Method 9012A and 9030A, respectively).
[6] Gross alpha and beta (EPA Method 9310 Modified) and Radium (EPA Methods 903.0 and 904.0). Required every other year (2008)
[7] "a" - Represents an off-site monitor well belonging to ExxonMobil.
% - indicates immisible layer.

# TABLE 1
# LAC 33:V.3225, TABLE 4-ANALYTICAL TESTING SUMMARY
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL [7] | SAMPLE DATE | VOCs [1] | SVOCs [2] | PESTICIDES/ HERBICIDES [3] | METALS [4] | CYANIDE/ SULFIDE [5] | RADIONUCLIDES [6] |
|---|---|---|---|---|---|---|---|
| 38A | 1/23/2007 | X | X | X | X | X | |
| 38A | 7/17/2007 | X | | | | | |
| 38B-1 | 1/23/2007 | X | X | X | X | X | |
| 38B-1 | 7/17/2007 | X | | | | | |
| 39A | 1/11/2007 | X | X | X | X | X | |
| 39A | 7/11/2007 | X | | | | | |
| 39B-2 | 1/11/2007 | X | X | X | X | X | |
| 39B-2 | 7/11/2007 | X | | | | | |
| 40A | 1/11/2007 | X | X | X | X | X | |
| 40A | 7/11/2007 | X | | | | | |
| 40B-2 | 1/11/2007 | X | X | X | X | X | |
| 40B-2 | 7/11/2007 | X | | | | | |
| 41A | 2/27/2007 | dry | | | | | |
| 41A | 8/15/2007 | dry | | | | | |
| 42A | 1/31/2007 | X | X | X | X | X | |
| 42A | 7/24/2007 | X | | | | | |
| 42B-1 | 3/13/2007 | X | X | X | X | X | |
| 42B-1 | 8/28/2007 | X | | X | | | |
| 43A | 1/10/2007 | X | X | X | X | X | |
| 43A | 7/10/2007 | X | | | | | |
| 46B-1 | 1/25/2007 | X | X | X | X | X | |
| 46B-1 | 7/18/2007 | X | | | | | |
| 47B-1 | 2/7/2007 | X | X | X | X | X | |
| 47B-1 | 8/15/2007 | X | | | | | |
| 48A | 2/1/2007 | X | X | X | X | X | |
| 48A | 7/25/2007 | X | | | | | |
| 49B-2 | 2/1/2007 | X | X | X | X | X | |
| 49B-2 | 7/25/2007 | X | | | | | |
| 50B-1 | 2/27/2007 | X | X | X | X | X | |
| 50B-1 | 8/15/2007 | X | | | | | |
| 51A | 2/23/2007 | dry | | | | | |
| 51A | 7/30/2007 | dry | | | | | |
| 51B-1 | 2/13/2007 | X | X | X | X | X | |
| 51B-1 | 7/30/2007 | X | | | | | |
| 52C | 1/22/2007 | X | X | X | X | X | |
| 52C | 7/23/2007 | X | | | | | |
| 53C | 1/29/2007 | X | X | X | X | X | |
| 53C | 7/31/2007 | X | | | | | |
| 54B-1 | 2/5/2007 | X | X | X | X | X | |
| 54B-1 | 7/10/2007 | X | | | | | |

[1] Volatile Organic Compounds (EPA Method 8260B).
[2] Semi-Volatile Organic Compounds (EPA Method 8270C).
[3] Chlorinated Pesticides/PCBs (EPA Method 8081A, 8082), Organophosphorus Pesticides (EPA Method 8141A), & Herbicides (EPA Method 8151A).
[4] Appendix IX List Metals (EPA Method 6010B, 7470A).
[5] Total Cyanide and Sulfide (EPA Method 9012A and 9030A, respectively).
[6] Gross alpha and beta (EPA Method 9310 Modified) and Radium (EPA Methods 903.0 and 904.0). Required every other year (2008)
[7] "a" - Represents an off-site monitor well belonging to ExxonMobil.
% - indicates immisible layer.

# TABLE 1
# LAC 33:V.3225, TABLE 4-ANALYTICAL TESTING SUMMARY
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL [7] | SAMPLE DATE | VOCs [1] | SVOCs [2] | PESTICIDES/ HERBICIDES [3] | METALS [4] | CYANIDE/ SULFIDE [5] | RADIONUCLIDES [6] |
|---|---|---|---|---|---|---|---|
| AT-01 | 2/6/2007 | X | X | X | X | X | |
| AT-01 | 7/26/2007 | X | | | | | |
| AT-02 | 2/6/2007 | X | X | X | X | X | |
| AT-02 | 7/26/2007 | X | | | | | |
| AT-03 | 2/6/2007 | X | X | X | X | X | |
| AT-03 | 7/26/2007 | X | | | | | |
| AT-04 | 2/19/2007 | X | X | X | X | X | |
| AT-04 | 8/8/2007 | X | | | | | |
| AT-05 | 4/30/2007 | X | | | | | |
| AT-06 | 4/30/2007 | X | | | | | |
| AT-07 | 2/22/2007 | X | X | X | X | X | |
| AT-07 | 8/8/2007 | X | | | | | |
| AT-08 | 3/27/2007 | X | X | X | X | X | |
| AT-08 | 8/8/2007 | X | | | | | |
| AT-09 | 1/31/2007 | X | X | X | X | X | |
| AT-09 | 7/24/2007 | X | | | | | |
| AT-10 | 2/6/2007 | X | X | X | X | X | |
| AT-10 | 7/26/2007 | X | | | | | |
| AT-11 | 2/7/2007 | X | X | X | X | X | |
| AT-11 | 7/26/2007 | X | | | | | |
| AT-12R | 3/27/2007 | X | X | X | X | X | |
| AT-12R | 7/31/2007 | X | | | | | |
| AT-13 | 2/20/2007 | X | X | X | X | X | |
| AT-13 | 9/4/2007 | X | | | | | |
| AT-14 | 2/20/2007 | X | X | X | X | X | |
| AT-14 | 9/4/2007 | X | | | | | |
| AT-15 | 2/20/2007 | X | X | X | X | X | |
| AT-15 | 9/4/2007 | X | | | | | |
| AT-16 | 2/20/2007 | X | X | X | X | X | |
| AT-16 | 9/4/2007 | X | | | | | |
| AT-17 | 2/15/2007 | X | X | X | X | X | |
| AT-17 | 9/6/2007 | X | | | | | |
| AT-18 | 2/14/2007 | X | X | X | X | X | |
| AT-18 | 9/6/2007 | X | | | | | |
| AT-19 | 2/15/2007 | X | X | X | X | X | |
| AT-19 | 9/10/2007 | X | | | | | |
| AT-20 | 2/15/2007 | X | X | X | X | X | |
| AT-20 | 9/10/2007 | X | | | | | |

[1] Volatile Organic Compounds (EPA Method 8260B).
[2] Semi-Volatile Organic Compounds (EPA Method 8270C).
[3] Chlorinated Pesticides/PCBs (EPA Method 8081A, 8082), Organophosphorus Pesticides (EPA Method 8141A), & Herbicides (EPA Method 8151A).
[4] Appendix IX List Metals (EPA Method 6010B, 7470A).
[5] Total Cyanide and Sulfide (EPA Method 9012A and 9030A, respectively).
[6] Gross alpha and beta (EPA Method 9310 Modified) and Radium (EPA Methods 903.0 and 904.0). Required every other year (2008)
[7] "a" - Represents an off-site monitor well belonging to ExxonMobil.
% - indicates immisible layer.

# TABLE 1
# LAC 33:V.3225, TABLE 4-ANALYTICAL TESTING SUMMARY
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL [7] | SAMPLE DATE | VOCs [1] | SVOCs [2] | PESTICIDES/ HERBICIDES [3] | METALS [4] | CYANIDE/ SULFIDE [5] | RADIONUCLIDES [6] |
|---|---|---|---|---|---|---|---|
| AT-21 | 2/19/2007 | X | X | X | X | X | |
| AT-21 | 8/6/2007 | X | | | | | |
| AT-22 | 2/19/2007 | X | X | X | X | X | |
| AT-22 | 8/6/2007 | X | | | | | |
| AT-23 | 2/19/2007 | X | X | X | X | X | |
| AT-23 | 8/6/2007 | X | | | | | |
| AT-24 | 2/7/2007 | X | X | X | X | X | |
| AT-24 | 7/31/2007 | X | | | | | |
| AT-25 | 2/7/2007 | X | X | X | X | X | |
| AT-25 | 7/31/2007 | X | | | | | |
| AT-26 | 2/7/2007 | X | X | X | X | X | |
| AT-26 | 7/31/2007 | X | | | | | |
| AT-27 | 2/12/2007 | X | X | X | X | X | |
| AT-27 | 9/4/2007 | X | | | | | |
| AT-28 | 2/12/2007 | X | X | X | X | X | |
| AT-28 | 9/4/2007 | X | | | | | |
| AT-29 | 2/12/2007 | X | X | X | X | X | |
| AT-29 | 9/4/2007 | X | | | | | |
| AT-30 | 2/12/2007 | X | X | X | X | X | |
| AT-30 | 9/4/2007 | X | | | | | |
| AT-31 | 2/14/2007 | X | X | X | X | X | |
| AT-31 | 9/6/2007 | X | | | | | |
| AT-32 | 2/14/2007 | X | X | X | X | X | |
| AT-32 | 9/6/2007 | X | | | | | |
| AT-33 | 2/14/2007 | X | X | X | X | X | |
| AT-33 | 9/6/2007 | X | | | | | |
| AT-34 | 2/22/2007 | X | X | X | X | X | |
| AT-34 | 8/13/2007 | X | X | X | | | |
| AT-35 | 2/22/2007 | X | X | X | X | X | |
| AT-35 | 8/13/2007 | X | | | | | |
| AT-36 | 2/22/2007 | X | X | X | X | X | |
| AT-36 | 8/13/2007 | X | | | | | |
| AT-37 | 2/22/2007 | X | X | X | X | X | |
| AT-37 | 8/13/2007 | X | | | | | |
| DM-03 | 2/13/2007 | X | X | X | X | X | |
| DM-03 | 8/6/2007 | X | | X | | | |
| I-1 | 4/26/2007 | X | | | | | |
| I-1 | 10/11/2007 | X | | | | | |
| I-10 | 4/26/2007 | X | | | | | |

[1] Volatile Organic Compounds (EPA Method 8260B).
[2] Semi-Volatile Organic Compounds (EPA Method 8270C).
[3] Chlorinated Pesticides/PCBs (EPA Method 8081A, 8082), Organophosphorus Pesticides (EPA Method 8141A), & Herbicides (EPA Method 8151A).
[4] Appendix IX List Metals (EPA Method 6010B, 7470A).
[5] Total Cyanide and Sulfide (EPA Method 9012A and 9030A, respectively).
[6] Gross alpha and beta (EPA Method 9310 Modified) and Radium (EPA Methods 903.0 and 904.0). Required every other year (2008)
[7] "a" - Represents an off-site monitor well belonging to ExxonMobil.
% - indicates immisible layer.

# TABLE 1
# LAC 33:V.3225, TABLE 4-ANALYTICAL TESTING SUMMARY
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL [7] | SAMPLE DATE | VOCs [1] | SVOCs [2] | PESTICIDES/ HERBICIDES [3] | METALS [4] | CYANIDE/ SULFIDE [5] | RADIONUCLIDES [6] |
|---|---|---|---|---|---|---|---|
| I-10 | 10/11/2007 | X | | | | | |
| I-11 | 6/14/2007 | X | | | | | |
| I-11 | 10/29/2007 | X | | | | | |
| I-12 | 6/14/2007 | X | | | | | |
| I-12 | 10/29/2007 | X | | | | | |
| I-13 | 6/14/2007 | X | | | | | |
| I-13 | 10/29/2007 | X | | | | | |
| I-1R | 4/26/2007 | X | | | | | |
| I-1R | 10/11/2007 | X | | | | | |
| I-2 | 4/26/2007 | X | | | | | |
| I-2 | 10/11/2007 | X | | | | | |
| I-2R | 4/26/2007 | X | | | | | |
| I-2R | 10/11/2007 | X | | | | | |
| I-3 | 4/26/2007 | X | | | | | |
| I-3 | 10/11/2007 | X | | | | | |
| I-4 | 4/26/2007 | X | | | | | |
| I-4 | 10/11/2007 | X | | | | | |
| I-5 | 4/26/2007 | X | | | | | |
| I-5 | 10/11/2007 | X | | | | | |
| I-6 | 4/26/2007 | X | | | | | |
| I-6 | 10/11/2007 | X | | | | | |
| I-7 | 4/26/2007 | X | | | | | |
| I-7 | 10/11/2007 | X | | | | | |
| I-8 | 4/26/2007 | X | | | | | |
| I-8 | 10/11/2007 | X | | | | | |
| I-9 | 4/26/2007 | X | | | | | |
| I-9 | 10/11/2007 | X | | | | | |
| OB-33 | 1/15/2007 | X | | | X | | |
| P-26 | 3/22/2007 | X | X | X | X | X | |
| P-26 | 8/29/2007 | X | X | X | | | |
| PROC#1 | 1/15/2007 | X | | | X | | |
| PROC#2 | 1/15/2007 | X | | | X | | |
| R-1 | 4/26/2007 | X | | | | | |
| R-1 | 10/11/2007 | X | | | | | |
| R-2 | 4/26/2007 | X | | | | | |
| R-2 | 10/11/2007 | X | | | | | |
| R-3 | 4/26/2007 | X | | | | | |
| R-3 | 10/11/2007 | X | | | | | |
| R-4 | 4/26/2007 | X | | | | | |

[1] Volatile Organic Compounds (EPA Method 8260B).
[2] Semi-Volatile Organic Compounds (EPA Method 8270C).
[3] Chlorinated Pesticides/PCBs (EPA Method 8081A, 8082), Organophosphorus Pesticides (EPA Method 8141A), & Herbicides (EPA Method 8151A).
[4] Appendix IX List Metals (EPA Method 6010B, 7470A).
[5] Total Cyanide and Sulfide (EPA Method 9012A and 9030A, respectively).
[6] Gross alpha and beta (EPA Method 9310 Modified) and Radium (EPA Methods 903.0 and 904.0). Required every other year (2008)
[7] "a" - Represents an off-site monitor well belonging to ExxonMobil.
% - indicates immisible layer.

# TABLE 1
# LAC 33:V.3225, TABLE 4-ANALYTICAL TESTING SUMMARY
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL [7] | SAMPLE DATE | VOCs [1] | SVOCs [2] | PESTICIDES/ HERBICIDES [3] | METALS [4] | CYANIDE/ SULFIDE [5] | RADIONUCLIDES [6] |
|---|---|---|---|---|---|---|---|
| R-4 | 10/11/2007 | X | | | | | |
| R-5 | 4/26/2007 | X | | | | | |
| R-5 | 10/11/2007 | X | | | | | |
| SM-02 | 2/8/2007 | X | X | X | X | X | |
| SM-02 | 7/30/2007 | X | | | | | |
| SM-03 | 2/27/2007 | X | X | X | X | X | |
| SM-03 | 8/15/2007 | X | X | X | | | |
| SM-04 | 4/30/2007 | X | | | | | |
| SM-05 | 4/30/2007 | X | | | | | |
| SM-06 | 3/19/2007 | dry | | | | | |
| SM-06 | 9/5/2007 | dry | | | | | |
| a-DM-01 | 3/21/2007 | X | | | X | | |
| a-DM-02 | 3/20/2007 | X | X | X | X | X | |
| a-DM-02 | 9/10/2007 | X | | | | | |
| a-DM-04 | 3/19/2007 | X | X | X | X | X | |
| a-DM-04 | 9/5/2007 | X | | | | | |
| a-DM-05 | 3/19/2007 | X | X | X | X | X | |
| a-DM-05 | 9/5/2007 | X | | | | | |
| a-DM-06 | 3/20/2007 | X | X | X | X | X | |
| a-DM-06 | 9/5/2007 | X | | | | | |
| a-LM-01 | 3/20/2007 | X | X | X | X | X | |
| a-LM-01 | 9/10/2007 | X | | | | | |
| a-LM-02 | 3/19/2007 | X | X | X | X | X | |
| a-LM-02 | 9/5/2007 | X | | | | | |
| a-SM-01 | 3/20/2007 | X | X | X | X | X | |
| a-SM-01 | 9/10/2007 | X | | | | | |
| a-SM-07 | 3/19/2007 | X | Only VOCs sampled due to lack of water. | | | | |
| a-SM-07 | 9/5/2007 | X | Only VOCs sampled due to lack of water. | | | | |
| a-SM-08 | 3/20/2007 | X | X | X | X | X | |
| a-SM-08 | 9/5/2007 | X | | | | | |
| a-SM-09 | 3/21/2007 | X | X | X | X | X | |
| a-SM-09 | 9/10/2007 | X | X | | | | |
| a-SM-10 | 3/21/2007 | X | | | X | | |

[1] Volatile Organic Compounds (EPA Method 8260B).
[2] Semi-Volatile Organic Compounds (EPA Method 8270C).
[3] Chlorinated Pesticides/PCBs (EPA Method 8081A, 8082), Organophosphorus Pesticides (EPA Method 8141A), & Herbicides (EPA Method 8151A).
[4] Appendix IX List Metals (EPA Method 6010B, 7470A).
[5] Total Cyanide and Sulfide (EPA Method 9012A and 9030A, respectively).
[6] Gross alpha and beta (EPA Method 9310 Modified) and Radium (EPA Methods 903.0 and 904.0). Required every other year (2008)
[7] "a" - Represents an off-site monitor well belonging to ExxonMobil.
% - indicates immisible layer.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| 01A | UNIT 3 | 1/2/2007 | 80.90 | 9.16 | 71.74 | 2.98 |
| " | " | 4/2/2007 | 80.90 | 9.24 | 71.66 | 2.68 |
| " | " | 7/2/2007 | 80.90 | 9.88 | 71.02 | 6.06 |
| " | " | 10/1/2007 | 80.90 | 11.05 | 69.85 | 0.12 |
| | | | | | | |
| 01B | UNIT 4 | 1/2/2007 | 80.90 | 16.58 | 64.32 | 2.45 |
| " | " | 4/2/2007 | 80.90 | 15.72 | 65.18 | 2.59 |
| " | " | 7/2/2007 | 80.90 | 16.36 | 64.54 | 5.51 |
| " | " | 10/1/2007 | 80.90 | 17.36 | 63.54 | 1.10 |
| | | | | | | |
| 01C | UNIT 8 | 1/2/2007 | 81.38 | 30.27 | 51.11 | 0.72 |
| " | " | 4/2/2007 | 81.38 | 27.89 | 53.49 | 1.90 |
| " | " | 7/2/2007 | 81.38 | 28.27 | 53.11 | 3.85 |
| " | " | 10/1/2007 | 81.38 | 29.45 | 51.93 | 1.85 |
| | | | | | | |
| 02A | UNIT 3 | 1/2/2007 | 80.09 | 9.85 | 70.24 | 1.95 |
| " | " | 4/2/2007 | 80.09 | 9.97 | 70.12 | 2.24 |
| " | " | 7/2/2007 | 80.09 | 10.68 | 69.41 | 4.70 |
| " | " | 10/1/2007 | 80.09 | 11.34 | 68.75 | -0.17 |
| | | | | | | |
| 03A | UNIT 3 | 1/2/2007 | 82.02 | 20.76 | 61.26 | 2.60 |
| " | " | 4/2/2007 | 82.02 | 20.63 | 61.39 | 2.52 |
| " | " | 7/2/2007 | 82.02 | 20.65 | 61.37 | 5.10 |
| " | " | 10/1/2007 | 82.02 | 21.30 | 60.72 | 1.23 |
| | | | | | | |
| 03C | UNIT 8 | 1/2/2007 | 82.63 | 33.11 | 49.52 | 0.85 |
| " | " | 4/2/2007 | 82.63 | 30.62 | 52.01 | 1.84 |
| " | " | 7/2/2007 | 82.63 | 31.04 | 51.59 | 3.83 |
| " | " | 10/1/2007 | 82.63 | 32.38 | 50.25 | 1.72 |
| | | | | | | |
| 04A | UNIT 3 | 1/3/2007 | 80.21 | DRY | -- | -- |
| " | " | 4/2/2007 | 80.21 | 34.92 | 45.29 | 0.89 |
| " | " | 7/3/2007 | 80.21 | 35.23 | 44.98 | 1.57 |
| " | " | 10/1/2007 | 80.21 | 35.06 | 45.15 | -- |
| | | | | | | |
| 04B | UNIT 6 | 1/3/2007 | 80.13 | 36.64 | 43.49 | 0.01 |
| " | " | 4/2/2007 | 80.13 | 35.15 | 44.98 | 1.17 |
| " | " | 7/3/2007 | 80.13 | 34.96 | 45.17 | 2.49 |
| " | " | 10/1/2007 | 80.13 | 35.49 | 44.64 | 1.73 |
| | | | | | | |
| 04B-1 | UNIT 4 | 1/3/2007 | 79.90 | 35.84 | 44.06 | -0.04 |
| " | " | 4/2/2007 | 79.90 | 34.62 | 45.28 | 0.91 |
| " | " | 7/3/2007 | 79.90 | 34.83 | 45.07 | 1.69 |
| " | " | 10/1/2007 | 79.90 | 34.81 | 45.09 | 1.58 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

g - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"--" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| 04B-2 | UNIT 6 | 1/3/2007 | 78.77 | 35.70 | 43.07 | 1.80 |
| " | " | 4/2/2007 | 78.77 | 34.12 | 44.65 | 1.03 |
| " | " | 7/3/2007 | 78.77 | 34.01 | 44.76 | 2.36 |
| " | " | 10/1/2007 | 78.77 | 34.68 | 44.09 | 1.48 |
| | | | | | | |
| 04C | UNIT 8 | 1/3/2007 | 80.78 | 32.05 | 48.73 | 0.83 |
| " | " | 4/2/2007 | 80.78 | 29.59 | 51.19 | 1.84 |
| " | " | 7/3/2007 | 80.78 | 30.13 | 50.65 | 3.59 |
| " | " | 10/1/2007 | 80.78 | 31.42 | 49.36 | 1.62 |
| | | | | | | |
| 04CL | UNIT 8 | 1/3/2007 | 79.89 | 31.11 | 48.78 | 0.91 |
| " | " | 4/2/2007 | 79.89 | 28.64 | 51.25 | 1.85 |
| " | " | 7/3/2007 | 79.89 | 29.15 | 50.74 | 3.71 |
| " | " | 10/1/2007 | 79.89 | 30.50 | 49.39 | 1.61 |
| | | | | | | |
| 04CU | UNIT 8 | 1/3/2007 | 79.83 | 31.09 | 48.74 | 0.91 |
| " | " | 4/2/2007 | 79.83 | 28.68 | 51.15 | 1.72 |
| " | " | 7/3/2007 | 79.83 | 29.11 | 50.72 | 3.66 |
| " | " | 10/1/2007 | 79.83 | 30.47 | 49.36 | 1.62 |
| | | | | | | |
| 05A | UNIT 4 | 1/3/2007 | 81.90 | 29.82 | 52.08 | 0.61 |
| " | " | 4/2/2007 | 81.90 | 27.97 | 53.93 | 1.55 |
| " | " | 7/3/2007 | 81.90 | 28.24 | 53.66 | 3.72 |
| " | " | 10/1/2007 | 81.90 | 29.05 | 52.85 | 1.73 |
| | | | | | | |
| 05AR | UNIT 3 | 1/3/2007 | 82.05 | 30.25 | 51.80 | 0.65 |
| " | " | 4/2/2007 | 82.05 | 27.90 | 54.15 | 1.95 |
| " | " | 7/3/2007 | 82.05 | 28.20 | 53.85 | 3.89 |
| " | " | 10/1/2007 | 82.05 | 29.49 | 52.56 | 1.42 |
| | | | | | | |
| 05B | UNIT 4 | 1/3/2007 | 83.21 | 31.19 | 52.02 | 0.55 |
| " | " | 4/2/2007 | 83.21 | 29.27 | 53.94 | 1.60 |
| " | " | 7/3/2007 | 83.21 | 29.53 | 53.68 | 3.76 |
| " | " | 10/1/2007 | 83.21 | 30.40 | 52.81 | 1.65 |
| | | | | | | |
| 05B-1 | UNIT 4 | 1/3/2007 | 81.87 | 30.68 | 51.19 | 0.38 |
| " | " | 4/2/2007 | 81.87 | 28.68 | 53.19 | 1.53 |
| " | " | 7/3/2007 | 81.87 | 28.83 | 53.04 | 3.69 |
| " | " | 10/1/2007 | 81.87 | 29.85 | 52.02 | 1.62 |
| | | | | | | |
| 05B-2 | UNIT 6 | 1/3/2007 | 81.91 | 33.81 | 48.10 | 0.59 |
| " | " | 4/2/2007 | 81.91 | 32.03 | 49.88 | 1.56 |
| " | " | 7/3/2007 | 81.91 | 32.21 | 49.70 | 3.32 |
| " | " | 10/1/2007 | 81.91 | 32.97 | 48.94 | 1.75 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
# GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| 05C | UNIT 8 | 1/3/2007 | 81.77 | 31.38 | 50.39 | 0.93 |
| " | " | 4/2/2007 | 81.77 | 29.18 | 52.59 | 1.77 |
| " | " | 7/3/2007 | 81.77 | 29.64 | 52.13 | 3.67 |
| " | " | 10/1/2007 | 81.77 | 30.74 | 51.03 | 1.77 |
| | | | | | | |
| 05CU | UNIT 8 | 1/3/2007 | 80.77 | 30.57 | 50.20 | 0.86 |
| " | " | 4/2/2007 | 80.77 | 28.24 | 52.53 | 1.85 |
| " | " | 7/3/2007 | 80.77 | 28.64 | 52.13 | 3.80 |
| " | " | 10/1/2007 | 80.77 | 29.80 | 50.97 | 1.77 |
| | | | | | | |
| 06A | UNIT 3 | 1/3/2007 | 84.17 | 27.57 | 56.60 | 1.84 |
| " | " | 4/2/2007 | 84.17 | 27.41 | 56.76 | 1.36 |
| " | " | 7/3/2007 | 84.17 | 27.44 | 56.73 | 4.36 |
| " | " | 10/1/2007 | 84.17 | 27.04 | 57.13 | 1.29 |
| | | | | | | |
| 06B | UNIT 4 | 1/3/2007 | 83.81 | 29.55 | 54.26 | 1.01 |
| " | " | 4/2/2007 | 83.81 | 28.41 | 55.40 | 1.39 |
| " | " | 7/3/2007 | 83.81 | 28.61 | 55.20 | 4.00 |
| " | " | 10/1/2007 | 83.81 | 28.95 | 54.86 | 1.61 |
| | | | | | | |
| 06B-2 | UNIT 8 | 1/2/2007 | 80.92 | 30.38 | 50.54 | -- |
| " | " | 4/4/2007 | 80.92 | 28.15 | 52.77 | 1.88 |
| " | " | 7/3/2007 | 80.92 | 28.56 | 52.36 | 3.64 |
| " | " | 10/3/2007 | 80.92 | 29.70 | 51.22 | 1.63 |
| | | | | | | |
| 06B-2R | UNIT 8 | 1/2/2007 | 80.95 | 30.59 | 50.36 | 0.75 |
| " | " | 4/4/2007 | 80.95 | 28.37 | 52.58 | 1.78 |
| " | " | 7/3/2007 | 80.95 | 28.73 | 52.22 | 3.71 |
| " | " | 10/1/2007 | 80.95 | 29.83 | 51.12 | 1.73 |
| | | | | | | |
| 06BR | UNIT 6 | 1/2/2007 | 80.87 | 26.96 | 53.91 | 0.85 |
| " | " | 4/4/2007 | 80.87 | 25.65 | 55.22 | 1.40 |
| " | " | 7/3/2007 | 80.87 | 25.88 | 54.99 | 3.93 |
| " | " | 10/1/2007 | 80.87 | 26.31 | 54.56 | 1.56 |
| | | | | | | |
| 06C | UNIT 8 | 1/2/2007 | 80.81 | 30.00 | 50.81 | 2.95 |
| " | " | 4/4/2007 | 80.81 | 27.83 | 52.98 | 1.83 |
| " | " | 7/3/2007 | 80.81 | 28.20 | 52.61 | 3.82 |
| " | " | 10/3/2007 | 80.81 | 29.45 | 51.36 | 1.59 |
| | | | | | | |
| 06CR | Unit 8 | 1/2/2007 | 80.09 | 30.51 | 49.58 | 0.87 |
| " | " | 4/4/2007 | 80.09 | 28.26 | 51.83 | 1.87 |
| " | " | 7/3/2007 | 80.09 | 28.72 | 51.37 | 3.73 |
| " | " | 10/1/2007 | 80.09 | 29.84 | 50.25 | 1.61 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"--" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| 07A | UNIT 3 | 1/3/2007 | 82.54 | 36.51 | 46.03 | -1.07 |
| " | " | 4/2/2007 | 82.54 | 35.36 | 47.18 | 0.62 |
| " | " | 7/2/2007 | 82.54 | 34.67 | 47.87 | 1.34 |
| " | " | 10/1/2007 | 82.54 | 34.94 | 47.60 | 1.78 |
| | | | | | | |
| 07B | UNIT 4 | 1/3/2007 | 82.84 | 37.23 | 45.61 | -0.97 |
| " | " | 4/2/2007 | 82.84 | 35.87 | 46.97 | -0.47 |
| " | " | 7/2/2007 | 82.84 | 35.52 | 47.32 | 1.46 |
| " | " | 10/1/2007 | 82.84 | 36.00 | 46.84 | 1.51 |
| | | | | | | |
| 08A | UNIT 3 | 1/3/2007 | 80.95 | DRY | -- | -- |
| " | " | 4/2/2007 | 80.95 | DRY | -- | -- |
| " | " | 7/2/2007 | 80.95 | DRY | -- | -- |
| " | " | 10/1/2007 | 80.95 | DRY | -- | -- |
| | | | | | | |
| 08AR | UNIT 3 | 1/3/2007 | 81.20 | DRY | -- | -- |
| " | " | 4/2/2007 | 81.20 | DRY | -- | -- |
| " | " | 7/2/2007 | 81.20 | DRY | -- | -- |
| " | " | 10/1/2007 | 81.20 | DRY | -- | -- |
| | | | | | | |
| 08B | UNIT 4 | 1/3/2007 | 80.11 | 36.67 | 43.44 | -0.87 |
| " | " | 4/2/2007 | 80.11 | 35.15 | 44.96 | 0.17 |
| " | " | 7/2/2007 | 80.11 | 34.90 | 45.21 | 1.53 |
| " | " | 10/1/2007 | 80.11 | 35.60 | 44.51 | 1.48 |
| | | | | | | |
| 08B-1 | UNIT 4 | 1/3/2007 | 81.02 | 37.62 | 43.40 | -0.92 |
| " | " | 4/2/2007 | 81.02 | 36.02 | 45.00 | 0.17 |
| " | " | 7/2/2007 | 81.02 | 35.79 | 45.23 | 1.53 |
| " | " | 10/1/2007 | 81.02 | 36.48 | 44.54 | 1.49 |
| | | | | | | |
| 08B-2 | UNIT 6 | 1/3/2007 | 81.38 | 38.22 | 43.16 | -0.84 |
| " | " | 4/2/2007 | 81.38 | 36.70 | 44.68 | 0.17 |
| " | " | 7/2/2007 | 81.38 | 36.49 | 44.89 | 1.53 |
| " | " | 10/1/2007 | 81.38 | 37.22 | 44.16 | 1.49 |
| | | | | | | |
| 08C | UNIT 8 | 1/3/2007 | 81.22 | 38.19 | 43.03 | -0.89 |
| " | " | 4/2/2007 | 81.22 | 36.66 | 44.56 | 0.22 |
| " | " | 7/2/2007 | 81.22 | 36.55 | 44.67 | 1.39 |
| " | " | 10/1/2007 | 81.22 | 37.18 | 44.04 | 1.49 |
| | | | | | | |
| 09A | UNIT 4 | 1/3/2007 | 81.30 | 33.45 | 47.85 | -1.00 |
| " | " | 4/4/2007 | 81.30 | 31.71 | 49.59 | 0.41 |
| " | " | 7/2/2007 | 81.30 | 31.72 | 49.58 | 1.80 |
| " | " | 10/3/2007 | 81.30 | 32.12 | 49.18 | 1.84 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"--" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| 09AW | UNIT 4 | 1/3/2007 | 59.80 | 13.38 | 46.42 | -1.00 |
| " | " | 4/4/2007 | 59.80 | 11.96 | 47.84 | 0.16 |
| " | " | 7/2/2007 | 59.80 | 11.78 | 48.02 | 1.78 |
| " | " | 10/3/2007 | 59.80 | 12.18 | 47.62 | 1.69 |
| | | | | | | |
| 09B-1 | UNIT 6 | 1/3/2007 | 82.38 | 35.23 | 47.15 | -1.05 |
| " | " | 4/2/2007 | 82.38 | 33.58 | 48.80 | 0.23 |
| " | " | 7/2/2007 | 82.38 | 33.49 | 48.89 | 1.69 |
| " | " | 10/1/2007 | 82.38 | 33.98 | 48.40 | 1.75 |
| | | | | | | |
| 09CR | UNIT 8 | 1/3/2007 | 80.19 | 34.20 | 45.99 | -1.46 |
| " | " | 4/2/2007 | 80.19 | 32.75 | 47.44 | -0.02 |
| " | " | 7/2/2007 | 80.19 | 32.36 | 47.83 | 1.22 |
| " | " | 10/1/2007 | 80.19 | 32.86 | 47.33 | 1.60 |
| | | | | | | |
| 10A | UNIT 3 | 1/3/2007 | 82.29 | 29.68 | 52.61 | 1.56 |
| " | " | 4/5/2007 | 82.29 | 27.36 | 54.93 | 3.38 |
| " | " | 7/2/2007 | 82.29 | 27.71 | 54.58 | 3.07 |
| " | " | 10/3/2007 | 82.29 | 28.61 | 53.68 | 2.14 |
| | | | | | | |
| 10AW | UNIT 4 | 1/3/2007 | 63.81 | 13.40 | 50.41 | -0.71 |
| " | " | 4/4/2007 | 63.81 | 11.40 | 52.41 | 1.09 |
| " | " | 7/2/2007 | 63.81 | 11.94 | 51.87 | 2.68 |
| " | " | 10/3/2007 | 63.81 | 12.55 | 51.26 | 1.85 |
| | | | | | | |
| 10B | UNIT 6 | 1/3/2007 | 82.21 | 30.49 | 51.72 | 1.00 |
| " | " | 4/5/2007 | 82.21 | 27.74 | 54.47 | 1.09 |
| " | " | 7/2/2007 | 82.21 | 28.60 | 53.61 | 2.35 |
| " | " | 10/3/2007 | 82.21 | 28.58 | 53.63 | 3.02 |
| | | | | | | |
| 11A | UNIT 3 | 1/3/2007 | 79.43 | 15.73 | 63.70 | 3.72 |
| " | " | 4/2/2007 | 79.43 | 15.45 | 63.98 | 3.46 |
| " | " | 7/2/2007 | 79.43 | 15.84 | 63.59 | 5.90 |
| " | " | 10/1/2007 | 79.43 | 15.85 | 63.58 | 2.57 |
| | | | | | | |
| 11B | UNIT 6 | 1/3/2007 | 79.49 | 22.14 | 57.35 | 1.91 |
| " | " | 4/2/2007 | 79.49 | 20.54 | 58.95 | 2.69 |
| " | " | 7/2/2007 | 79.49 | 21.25 | 58.24 | 4.65 |
| " | " | 10/1/2007 | 79.49 | 21.97 | 57.52 | 2.08 |
| | | | | | | |
| 11C | UNIT 8 | 1/3/2007 | 79.95 | 26.27 | 53.68 | 1.18 |
| " | " | 4/2/2007 | 79.95 | 24.20 | 55.75 | 2.13 |
| " | " | 7/2/2007 | 79.95 | 24.75 | 55.20 | 4.03 |
| " | " | 10/1/2007 | 79.95 | 25.77 | 54.18 | 1.84 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"--" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| 12A | UNIT 3 | 1/3/2007 | 84.34 | 37.95 | 46.39 | -1.04 |
| " | " | 4/2/2007 | 84.34 | 36.84 | 47.50 | -0.02 |
| " | " | 7/2/2007 | 84.34 | 36.31 | 48.03 | 1.11 |
| " | " | 10/1/2007 | 84.34 | 36.55 | 47.79 | 1.60 |
| | | | | | | |
| 13A | UNIT 3 | 1/2/2007 | 83.20 | 37.12 | 46.08 | -0.97 |
| " | " | 4/2/2007 | 83.20 | 36.09 | 47.11 | -0.07 |
| " | " | 7/2/2007 | 83.20 | 35.55 | 47.65 | 1.20 |
| " | " | 10/1/2007 | 83.20 | 35.87 | 47.33 | 1.51 |
| | | | | | | |
| 13AR | UNIT 3 | 1/2/2007 | 80.41 | 34.85 | 45.56 | -1.00 |
| " | " | 4/4/2007 | 80.41 | 33.74 | 46.67 | -0.03 |
| " | " | 7/3/2007 | 80.41 | 33.31 | 47.10 | 1.09 |
| " | " | 10/1/2007 | 80.41 | 33.58 | 46.83 | 1.43 |
| | | | | | | |
| 13B | UNIT 4 | 1/2/2007 | 83.38 | 37.42 | 45.96 | -0.90 |
| " | " | 4/2/2007 | 83.38 | 36.38 | 47.00 | -0.07 |
| " | " | 7/2/2007 | 83.38 | 35.92 | 47.46 | 1.23 |
| " | " | 10/1/2007 | 83.38 | 36.22 | 47.16 | 1.41 |
| | | | | | | |
| 13B-1 | UNIT 4 | 1/2/2007 | 80.21 | 34.73 | 45.48 | -1.00 |
| " | " | 4/4/2007 | 80.21 | 33.59 | 46.62 | -0.03 |
| " | " | 7/3/2007 | 80.21 | 33.18 | 47.03 | 1.17 |
| " | " | 10/1/2007 | 80.21 | 33.48 | 46.73 | 1.41 |
| | | | | | | |
| 13B-2 | UNIT 6 | 1/2/2007 | 80.26 | 37.30 | 42.96 | -0.12 |
| " | " | 4/4/2007 | 80.26 | 35.43 | 44.83 | 0.72 |
| " | " | 7/3/2007 | 80.26 | 35.66 | 44.60 | 2.17 |
| " | " | 10/1/2007 | 80.26 | 36.71 | 43.55 | 1.07 |
| | | | | | | |
| 13C | UNIT 8 | 1/2/2007 | 80.33 | 37.57 | 42.76 | -0.12 |
| " | " | 4/4/2007 | 80.33 | 35.56 | 44.77 | 0.85 |
| " | " | 7/3/2007 | 80.33 | 35.86 | 44.47 | 2.23 |
| " | " | 10/1/2007 | 80.33 | 37.01 | 43.32 | 1.05 |
| | | | | | | |
| 14A | UNIT 3 | 1/2/2007 | 80.40 | 15.02 | 65.38 | 4.25 |
| " | " | 4/2/2007 | 80.40 | 14.41 | 65.99 | 3.79 |
| " | " | 7/2/2007 | 80.40 | 16.32 | 64.08 | 6.21 |
| " | " | 10/1/2007 | 80.40 | 16.63 | 63.77 | 2.01 |
| | | | | | | |
| 14B | UNIT 4 | 1/2/2007 | 80.52 | 17.59 | 62.93 | 2.72 |
| " | " | 4/2/2007 | 80.52 | 16.58 | 63.94 | 2.84 |
| " | " | 7/2/2007 | 80.52 | 17.45 | 63.07 | 5.54 |
| " | " | 10/1/2007 | 80.52 | 18.26 | 62.26 | 1.48 |

[1] Subtract 3.09 feet from plant elevations to obtain NGVD.

[2] 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

[3] Monitor wells 29A and 30A were converted to recovery well status in September 1995.

[4] Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

[5] Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| 14C | UNIT 8 | 1/2/2007 | 80.60 | 26.89 | 53.71 | 1.12 |
| " | " | 4/2/2007 | 80.60 | 24.80 | 55.80 | 2.16 |
| " | " | 7/2/2007 | 80.60 | 25.37 | 55.23 | 4.11 |
| " | " | 10/1/2007 | 80.60 | 26.35 | 54.25 | 1.81 |
| | | | | | | |
| 15A | UNIT 3 | 1/2/2007 | 81.56 | 41.65 | 39.91 | -0.37 |
| " | " | 4/2/2007 | 81.56 | 41.55 | 40.01 | -0.34 |
| " | " | 7/2/2007 | 81.56 | 41.21 | 40.35 | 0.34 |
| " | " | 10/1/2007 | 81.56 | 41.20 | 40.36 | 0.29 |
| | | | | | | |
| 15B | UNIT 4 | 1/2/2007 | 81.73 | 42.10 | 39.63 | -0.80 |
| " | " | 4/2/2007 | 81.73 | 40.60 | 41.13 | 0.02 |
| " | " | 7/2/2007 | 81.73 | 40.74 | 40.99 | 1.57 |
| " | " | 10/1/2007 | 81.73 | 41.67 | 40.06 | 1.07 |
| | | | | | | |
| 16A | UNIT 3 | 1/2/2007 | 81.63 | 18.73 | 62.90 | 3.88 |
| " | " | 4/2/2007 | 81.63 | 18.52 | 63.11 | 3.41 |
| " | " | 7/2/2007 | 81.63 | 19.03 | 62.60 | 5.87 |
| " | " | 10/1/2007 | 81.63 | 19.36 | 62.27 | 2.43 |
| | | | | | | |
| 17B-1 | UNIT 4 | 1/2/2007 | 81.52 | 37.59 | 43.93 | -0.88 |
| " | " | 4/4/2007 | 81.52 | 36.11 | 45.41 | 0.14 |
| " | " | 7/3/2007 | 81.52 | 35.82 | 45.70 | 1.56 |
| " | " | 10/1/2007 | 81.52 | 36.55 | 44.97 | 1.39 |
| | | | | | | |
| 17B-2 | UNIT 6 | 1/2/2007 | 81.45 | 38.11 | 43.34 | -0.67 |
| " | " | 4/4/2007 | 81.45 | 36.50 | 44.95 | 0.26 |
| " | " | 7/3/2007 | 81.45 | 36.45 | 45.00 | 1.64 |
| " | " | 10/1/2007 | 81.45 | 37.26 | 44.19 | 1.27 |
| | | | | | | |
| 20A | UNIT 4 | 1/2/2007 | 81.82 | 37.21 | 44.61 | -1.25 |
| " | " | 4/4/2007 | 81.82 | 36.15 | 45.67 | -0.17 |
| " | " | 7/3/2007 | 81.82 | 35.65 | 46.17 | 0.98 |
| " | " | 10/1/2007 | 81.82 | 36.02 | 45.80 | 1.35 |
| | | | | | | |
| 21A | UNIT 4 | 1/3/2007 | 93.07 | 40.36 | 52.71 | -0.03 |
| " | " | 4/2/2007 | 93.07 | 39.14 | 53.93 | 0.83 |
| " | " | 7/3/2007 | 93.07 | 38.81 | 54.26 | 2.63 |
| " | " | 10/1/2007 | 93.07 | 38.49 | 54.58 | 2.05 |
| | | | | | | |
| 21B-1 | UNIT 6 | 1/3/2007 | 92.93 | 43.08 | 49.85 | -0.56 |
| " | " | 4/2/2007 | 92.93 | 41.31 | 51.62 | 0.81 |
| " | " | 7/3/2007 | 92.93 | 41.25 | 51.68 | 2.17 |
| " | " | 10/1/2007 | 92.93 | 41.56 | 51.37 | 2.12 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"—" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| 22A | UNIT 4 | 1/3/2007 | 79.86 | 33.60 | 46.26 | -1.02 |
| " | " | 4/2/2007 | 79.86 | 32.19 | 47.67 | 0.05 |
| " | " | 7/3/2007 | 79.86 | 31.93 | 47.93 | 1.58 |
| " | " | 10/1/2007 | 79.86 | 32.46 | 47.40 | 1.49 |
| | | | | | | |
| 22AW | UNIT 3 | 1/3/2007 | 61.78 | 15.50 | 46.28 | -0.96 |
| " | " | 4/2/2007 | 61.78 | 14.17 | 47.61 | 0.01 |
| " | " | 7/2/2007 | 61.78 | 13.86 | 47.92 | 1.73 |
| " | " | 10/3/2007 | 61.78 | 14.27 | 47.51 | 1.68 |
| | | | | | | |
| 22B-1 | UNIT 4 | 1/3/2007 | 61.77 | 15.51 | 46.26 | -0.96 |
| " | " | 4/2/2007 | 61.77 | 14.19 | 47.58 | 0.06 |
| " | " | 7/2/2007 | 61.77 | 13.94 | 47.83 | 1.67 |
| " | " | 10/3/2007 | 61.77 | 14.28 | 47.49 | 1.68 |
| | | | | | | |
| 23A | UNIT 3 | 1/3/2007 | 83.40 | 28.98 | 54.42 | 1.99 |
| " | " | 4/2/2007 | 83.40 | 28.46 | 54.94 | 2.13 |
| " | " | 7/3/2007 | 83.40 | 28.62 | 54.78 | 3.82 |
| " | " | 10/1/2007 | 83.40 | 28.82 | 54.58 | 1.69 |
| | | | | | | |
| 23B-1 | UNIT 4 | 1/3/2007 | 83.35 | 29.23 | 54.12 | 1.30 |
| " | " | 4/2/2007 | 83.35 | 28.01 | 55.34 | 2.12 |
| " | " | 7/3/2007 | 83.35 | 28.05 | 55.30 | 3.99 |
| " | " | 10/1/2007 | 83.35 | 28.50 | 54.85 | 1.72 |
| | | | | | | |
| 23B-2 | UNIT 6 | 1/3/2007 | 83.47 | 32.11 | 51.36 | 0.89 |
| " | " | 4/2/2007 | 83.47 | 30.70 | 52.77 | 1.79 |
| " | " | 7/3/2007 | 83.47 | 30.60 | 52.87 | 3.75 |
| " | " | 10/1/2007 | 83.47 | 31.32 | 52.15 | 1.69 |
| | | | | | | |
| 23C | UNIT 8 | 1/3/2007 | 82.95 | 33.45 | 49.50 | 0.91 |
| " | " | 4/2/2007 | 82.95 | 31.06 | 51.89 | 1.78 |
| " | " | 7/3/2007 | 82.95 | 31.59 | 51.36 | 3.61 |
| " | " | 10/1/2007 | 82.95 | 32.75 | 50.20 | 1.73 |
| | | | | | | |
| 24A | UNIT 3 | 1/3/2007 | 81.04 | 33.73 | 47.31 | 0.53 |
| " | " | 4/2/2007 | 81.04 | 31.59 | 49.45 | 1.83 |
| " | " | 7/3/2007 | 81.04 | 31.98 | 49.06 | 3.63 |
| " | " | 10/1/2007 | 81.04 | 32.76 | 48.28 | 2.09 |
| | | | | | | |
| 24B-2 | UNIT 6 | 1/3/2007 | 82.03 | 35.77 | 46.26 | 0.54 |
| " | " | 4/2/2007 | 82.03 | 34.02 | 48.01 | 1.44 |
| " | " | 7/3/2007 | 82.03 | 34.16 | 47.87 | 3.05 |
| " | " | 10/1/2007 | 82.03 | 34.83 | 47.20 | 1.59 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| 24C | UNIT 8 | 1/3/2007 | 82.12 | 32.12 | 50.00 | 0.92 |
| " | " | 4/2/2007 | 82.12 | 29.76 | 52.36 | 1.85 |
| " | " | 7/3/2007 | 82.12 | 30.25 | 51.87 | 3.77 |
| " | " | 10/1/2007 | 82.12 | 31.43 | 50.69 | 1.75 |
| | | | | | | |
| 24CL | UNIT 8 | 1/3/2007 | 81.99 | 31.97 | 50.02 | 0.93 |
| " | " | 4/2/2007 | 81.99 | 29.62 | 52.37 | 1.84 |
| " | " | 7/3/2007 | 81.99 | 30.11 | 51.88 | 3.69 |
| " | " | 10/1/2007 | 81.99 | 31.27 | 50.72 | 1.70 |
| | | | | | | |
| 25A | UNIT 3 | 1/2/2007 | 81.11 | 19.25 | 61.86 | 2.87 |
| " | " | 4/2/2007 | 81.11 | 18.68 | 62.43 | 3.03 |
| " | " | 7/2/2007 | 81.11 | 18.76 | 62.35 | 5.47 |
| " | " | 10/1/2007 | 81.11 | 18.84 | 62.27 | 2.21 |
| | | | | | | |
| 25B-1 | UNIT 6 | 1/2/2007 | 81.15 | 23.94 | 57.21 | 1.74 |
| " | " | 4/2/2007 | 81.15 | 22.17 | 58.98 | 2.69 |
| " | " | 7/2/2007 | 81.15 | 22.83 | 58.32 | 4.78 |
| " | " | 10/1/2007 | 81.15 | 23.66 | 57.49 | 2.02 |
| | | | | | | |
| 26A | UNIT 4 | 1/2/2007 | 79.99 | 18.38 | 61.61 | 3.81 |
| " | " | 4/2/2007 | 79.99 | 19.25 | 60.74 | 2.45 |
| " | " | 7/2/2007 | 79.99 | 18.90 | 61.09 | 5.32 |
| " | " | 10/1/2007 | 79.99 | 19.21 | 60.78 | 0.53 |
| | | | | | | |
| 27A | UNIT 3 | 1/2/2007 | 82.13 | 21.45 | 60.68 | 3.17 |
| " | " | 4/2/2007 | 82.13 | 22.42 | 59.71 | 1.87 |
| " | " | 7/2/2007 | 82.13 | 21.77 | 60.36 | 5.08 |
| " | " | 10/1/2007 | 82.13 | 21.05 | 61.08 | 0.98 |
| | | | | | | |
| 28A | UNIT 3 | 1/2/2007 | 80.89 | 20.22 | 60.67 | 3.17 |
| " | " | 4/2/2007 | 80.89 | 21.02 | 59.87 | 2.03 |
| " | " | 7/2/2007 | 80.89 | 20.66 | 60.23 | 4.89 |
| " | " | 10/1/2007 | 80.89 | 19.91 | 60.98 | 0.97 |
| | | | | | | |
| 28B-1 | UNIT 6 | 1/2/2007 | 81.01 | 21.19 | 59.82 | 2.87 |
| " | " | 4/2/2007 | 81.01 | 21.68 | 59.33 | 1.92 |
| " | " | 7/2/2007 | 81.01 | 21.58 | 59.43 | 4.61 |
| " | " | 10/1/2007 | 81.01 | 20.71 | 60.30 | 1.14 |
| | | | | | | |
| 29A | UNIT 4 | 1/5/2007 | 81.85 | 44.90 | 36.95 | -0.50 |
| " | " | 4/6/2007 | 81.85 | 42.80 | 39.05 | 1.70 |
| " | " | 7/6/2007 | 81.85 | 44.80 | 37.05 | -2.40 |
| " | " | 10/4/2007 | 81.85 | 43.20 | 38.65 | -1.40 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| 30A | UNIT 4 | 1/5/2007 | 84.47 | 56.30 | 28.17 | -2.50 |
| " | " | 4/6/2007 | 84.47 | 56.30 | 28.17 | -1.00 |
| " | " | 7/6/2007 | 84.47 | 53.60 | 30.87 | -1.00 |
| " | " | 10/4/2007 | 84.47 | 56.80 | 27.67 | -0.20 |
| | | | | | | |
| 30B-1 | UNIT 6 | 1/2/2007 | 84.28 | 32.01 | 52.27 | 1.41 |
| " | " | 4/2/2007 | 84.28 | 30.69 | 53.59 | 1.67 |
| " | " | 7/2/2007 | 84.28 | 30.63 | 53.65 | 3.92 |
| " | " | 10/1/2007 | 84.28 | 31.85 | 52.43 | 1.47 |
| | | | | | | |
| 31B-1L | UNIT 4 | 1/2/2007 | 79.46 | 35.74 | 43.72 | -0.67 |
| " | " | 4/2/2007 | 79.46 | 34.22 | 45.24 | 0.62 |
| " | " | 7/3/2007 | 79.46 | 33.75 | 45.71 | 2.09 |
| " | " | 10/1/2007 | 79.46 | 34.45 | 45.01 | 1.64 |
| | | | | | | |
| 31B-1U | UNIT 4 | 1/2/2007 | 79.33 | 35.61 | 43.72 | -0.70 |
| " | " | 4/2/2007 | 79.33 | 34.07 | 45.26 | 0.61 |
| " | " | 7/3/2007 | 79.33 | 33.62 | 45.71 | 2.04 |
| " | " | 10/1/2007 | 79.33 | 34.31 | 45.02 | 1.65 |
| | | | | | | |
| 31B-2 | UNIT 6 | 1/2/2007 | 79.60 | 36.80 | 42.80 | -0.25 |
| " | " | 4/2/2007 | 79.60 | 35.13 | 44.47 | 0.89 |
| " | " | 7/3/2007 | 79.60 | 35.05 | 44.55 | 2.21 |
| " | " | 10/1/2007 | 79.60 | 35.76 | 43.84 | 1.48 |
| | | | | | | |
| 31C | UNIT 8 | 1/2/2007 | 79.14 | 30.86 | 48.28 | 0.83 |
| " | " | 4/2/2007 | 79.14 | 28.39 | 50.75 | 1.77 |
| " | " | 7/3/2007 | 79.14 | 28.93 | 50.21 | 3.57 |
| " | " | 10/1/2007 | 79.14 | 30.19 | 48.95 | 1.58 |
| | | | | | | |
| 32A | UNIT 3 | 1/3/2007 | 81.49 | 29.46 | 52.03 | 0.00 |
| " | " | 4/2/2007 | 81.49 | 29.20 | 52.29 | 0.32 |
| " | " | 7/3/2007 | 81.49 | 29.20 | 52.29 | 0.28 |
| " | " | 10/1/2007 | 81.49 | 29.47 | 52.02 | -0.07 |
| | | | | | | |
| 32B-1 | UNIT 4 | 1/3/2007 | 81.46 | 33.10 | 48.36 | 0.51 |
| " | " | 4/2/2007 | 81.46 | 31.35 | 50.11 | 1.50 |
| " | " | 7/3/2007 | 81.46 | 31.42 | 50.04 | 3.34 |
| " | " | 10/1/2007 | 81.46 | 32.26 | 49.20 | 1.58 |
| | | | | | | |
| 32B-2 | UNIT 6 | 1/3/2007 | 81.42 | 33.90 | 47.52 | 2.28 |
| " | " | 4/2/2007 | 81.42 | 32.10 | 49.32 | 3.32 |
| " | " | 7/3/2007 | 81.42 | 32.19 | 49.23 | 5.04 |
| " | " | 10/1/2007 | 81.42 | 32.97 | 48.45 | 3.45 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
# GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| 33A | UNIT 3 | 1/2/2007 | 80.64 | 28.32 | 52.32 | 0.49 |
| " | " | 4/2/2007 | 80.64 | 26.34 | 54.30 | 1.58 |
| " | " | 7/3/2007 | 80.64 | 26.64 | 54.00 | 3.84 |
| " | " | 10/1/2007 | 80.64 | 27.41 | 53.23 | 1.75 |
| | | | | | | |
| 33B-1 | UNIT 4 | 1/2/2007 | 80.69 | 28.34 | 52.35 | 0.49 |
| " | " | 4/2/2007 | 80.69 | 26.31 | 54.38 | 1.65 |
| " | " | 7/3/2007 | 80.69 | 26.67 | 54.02 | 3.83 |
| " | " | 10/1/2007 | 80.69 | 27.39 | 53.30 | 1.80 |
| | | | | | | |
| 33B-2 | UNIT 6 | 1/2/2007 | 80.82 | 32.12 | 48.70 | 0.50 |
| " | " | 4/2/2007 | 80.82 | 30.18 | 50.64 | 1.52 |
| " | " | 7/3/2007 | 80.82 | 30.30 | 50.52 | 3.45 |
| " | " | 10/1/2007 | 80.82 | 31.25 | 49.57 | 1.61 |
| | | | | | | |
| 33CL | UNIT 8 | 1/2/2007 | 80.57 | 30.24 | 50.33 | 0.88 |
| " | " | 4/2/2007 | 80.57 | 27.92 | 52.65 | 1.80 |
| " | " | 7/3/2007 | 80.57 | 28.40 | 52.17 | 3.68 |
| " | " | 10/1/2007 | 80.57 | 29.54 | 51.03 | 1.70 |
| | | | | | | |
| 33CU | UNIT 8 | 1/2/2007 | 80.56 | 30.22 | 50.34 | 0.88 |
| " | " | 4/2/2007 | 80.56 | 27.90 | 52.66 | 1.80 |
| " | " | 7/3/2007 | 80.56 | 28.38 | 52.18 | 3.68 |
| " | " | 10/1/2007 | 80.56 | 29.52 | 51.04 | 2.18 |
| | | | | | | |
| 34A | UNIT 3 | 1/2/2007 | 79.67 | 23.73 | 55.94 | 1.07 |
| " | " | 4/2/2007 | 79.67 | 22.51 | 57.16 | 1.52 |
| " | " | 7/3/2007 | 79.67 | 22.86 | 56.81 | 4.39 |
| " | " | 10/1/2007 | 79.67 | 23.18 | 56.49 | 1.45 |
| | | | | | | |
| 34B-1 | UNIT 4 | 1/2/2007 | 79.44 | 25.75 | 53.69 | 0.73 |
| " | " | 4/2/2007 | 79.44 | 24.11 | 55.33 | 1.43 |
| " | " | 7/3/2007 | 79.44 | 24.34 | 55.10 | 4.06 |
| " | " | 10/1/2007 | 79.44 | 24.94 | 54.50 | 1.77 |
| | | | | | | |
| 35A | UNIT 3 | 1/2/2007 | 79.76 | 30.73 | 49.03 | -0.49 |
| " | " | 4/4/2007 | 79.76 | 29.48 | 50.28 | 0.17 |
| " | " | 7/3/2007 | 79.76 | 29.24 | 50.52 | 8.58 |
| " | " | 10/1/2007 | 79.76 | 29.93 | 49.83 | 1.41 |
| | | | | | | |
| 35B-1 | UNIT 4 | 1/2/2007 | 79.98 | 30.79 | 49.19 | 0.13 |
| " | " | 4/4/2007 | 79.98 | 29.21 | 50.77 | 0.86 |
| " | " | 7/3/2007 | 79.98 | 29.31 | 50.67 | 2.96 |
| " | " | 10/1/2007 | 79.98 | 29.97 | 50.01 | 1.53 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| 35B-2 | UNIT 6 | 1/2/2007 | 80.28 | 34.21 | 46.07 | 0.18 |
| " | " | 4/4/2007 | 80.28 | 32.40 | 47.88 | 0.94 |
| " | " | 7/3/2007 | 80.28 | 32.62 | 47.66 | 2.60 |
| " | " | 10/1/2007 | 80.28 | 33.59 | 46.69 | 1.31 |
| | | | | | | |
| 36A | UNIT 3 | 1/3/2007 | 79.76 | DRY | -- | -- |
| " | " | 4/4/2007 | 79.76 | DRY | -- | -- |
| " | " | 7/2/2007 | 79.76 | DRY | -- | -- |
| " | " | 10/3/2007 | 79.76 | DRY | -- | -- |
| | | | | | | |
| 36B-1 | UNIT 4 | 1/3/2007 | 79.82 | 38.61 | 41.21 | -0.80 |
| " | " | 4/4/2007 | 79.82 | 37.21 | 42.61 | 0.10 |
| " | " | 7/2/2007 | 79.82 | 37.35 | 42.47 | 1.66 |
| " | " | 10/3/2007 | 79.82 | 38.26 | 41.56 | 1.02 |
| | | | | | | |
| 37A | UNIT 3 | 1/3/2007 | 63.01 | 17.01 | 46.00 | -1.04 |
| " | " | 4/4/2007 | 63.01 | 15.68 | 47.33 | 0.02 |
| " | " | 7/2/2007 | 63.01 | 15.42 | 47.59 | 1.64 |
| " | " | 10/3/2007 | 63.01 | 15.73 | 47.28 | 1.69 |
| | | | | | | |
| 37B-1 | UNIT 4 | 1/3/2007 | 63.00 | 19.01 | 43.99 | -1.00 |
| " | " | 4/4/2007 | 63.00 | 17.53 | 45.47 | 0.14 |
| " | " | 7/2/2007 | 63.00 | 17.28 | 45.72 | 1.40 |
| " | " | 10/3/2007 | 63.00 | 17.95 | 45.05 | 1.50 |
| | | | | | | |
| 37B-2 | UNIT 6 | 1/3/2007 | 63.40 | 19.40 | 44.00 | -0.99 |
| " | " | 4/4/2007 | 63.40 | 17.93 | 45.47 | 0.07 |
| " | " | 7/2/2007 | 63.40 | 17.69 | 45.71 | 1.46 |
| " | " | 10/3/2007 | 63.40 | 18.29 | 45.11 | 1.56 |
| | | | | | | |
| 38A | UNIT 4 | 1/3/2007 | 63.54 | 13.28 | 50.26 | -0.74 |
| " | " | 4/4/2007 | 63.54 | 11.31 | 52.23 | 1.04 |
| " | " | 7/2/2007 | 63.54 | 11.81 | 51.73 | 2.55 |
| " | " | 10/3/2007 | 63.54 | 12.42 | 51.12 | 1.81 |
| | | | | | | |
| 38B-1 | UNIT 6 | 1/3/2007 | 63.64 | 13.70 | 49.94 | -0.64 |
| " | " | 4/4/2007 | 63.64 | 11.71 | 51.93 | 1.19 |
| " | " | 7/2/2007 | 63.64 | 12.11 | 51.53 | 2.81 |
| " | " | 10/3/2007 | 63.64 | 12.69 | 50.95 | 2.14 |
| | | | | | | |
| 39A | UNIT 3 | 1/2/2007 | 79.13 | 18.12 | 61.01 | 2.48 |
| " | " | 4/4/2007 | 79.13 | 15.60 | 63.53 | 3.60 |
| " | " | 7/2/2007 | 79.13 | 17.25 | 61.88 | 4.89 |
| " | " | 10/3/2007 | 79.13 | 18.56 | 60.57 | 2.23 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
# GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| 39B-2 | UNIT 6 | 1/2/2007 | 79.45 | 28.66 | 50.79 | -0.69 |
| " | " | 4/4/2007 | 79.45 | 26.39 | 53.06 | 1.19 |
| " | " | 7/2/2007 | 79.45 | 26.37 | 53.08 | 2.69 |
| " | " | 10/3/2007 | 79.45 | 27.21 | 52.24 | 2.15 |
| | | | | | | |
| 40A | UNIT 3 | 1/2/2007 | 81.50 | 17.25 | 64.25 | 3.10 |
| " | " | 4/2/2007 | 81.50 | 15.97 | 65.53 | 3.32 |
| " | " | 7/2/2007 | 81.50 | 16.34 | 65.16 | 6.47 |
| " | " | 10/1/2007 | 81.50 | 17.40 | 64.10 | 2.64 |
| | | | | | | |
| 40B-2 | UNIT 6 | 1/2/2007 | 82.10 | 27.98 | 54.12 | 0.25 |
| " | " | 4/2/2007 | 82.10 | 25.55 | 56.55 | 1.94 |
| " | " | 7/2/2007 | 82.10 | 25.90 | 56.20 | 3.66 |
| " | " | 10/1/2007 | 82.10 | 26.71 | 55.39 | 2.35 |
| | | | | | | |
| 41A | UNIT 3 | 1/2/2007 | 81.07 | 36.01 | 45.06 | -0.10 |
| " | " | 4/3/2007 | 81.07 | 35.71 | 45.36 | 0.06 |
| " | " | 7/3/2007 | 81.07 | 35.48 | 45.59 | 0.44 |
| " | " | 10/1/2007 | 81.07 | 35.89 | 45.18 | 0.10 |
| | | | | | | |
| 42A | UNIT 3 | 1/2/2007 | 81.33 | 37.62 | 43.71 | -0.50 |
| " | " | 4/3/2007 | 81.33 | 36.04 | 45.29 | 0.71 |
| " | " | 7/3/2007 | 81.33 | 35.75 | 45.58 | 2.21 |
| " | " | 10/1/2007 | 81.33 | 36.49 | 44.84 | 1.56 |
| | | | | | | |
| 42B-1 | UNIT 4 | 1/2/2007 | 81.29 | 37.65 | 43.64 | -0.50 |
| " | " | 4/3/2007 | 81.29 | 36.07 | 45.22 | 0.71 |
| " | " | 7/3/2007 | 81.29 | 35.76 | 45.53 | 2.24 |
| " | " | 10/1/2007 | 81.29 | 36.50 | 44.79 | 1.57 |
| | | | | | | |
| 43A | UNIT 3 | 1/2/2007 | 79.59 | 16.31 | 63.28 | 3.48 |
| " | " | 4/2/2007 | 79.59 | 16.79 | 62.80 | 2.91 |
| " | " | 7/2/2007 | 79.59 | 16.99 | 62.60 | 5.57 |
| " | " | 10/1/2007 | 79.59 | 17.64 | 61.95 | 1.07 |
| | | | | | | |
| 46B-1 | UNIT 4 | 1/3/2007 | 60.27 | 13.24 | 47.03 | 0.08 |
| " | " | 4/4/2007 | 60.27 | 13.58 | 46.69 | 0.07 |
| " | " | 7/2/2007 | 60.27 | 12.65 | 47.62 | 3.02 |
| " | " | 10/3/2007 | 60.27 | 13.52 | 46.75 | 0.79 |
| | | | | | | |
| 47B-1 | UNIT 4 | 1/2/2007 | 81.10 | 36.58 | 44.52 | -0.94 |
| " | " | 4/3/2007 | 81.10 | 35.26 | 45.84 | 0.06 |
| " | " | 7/3/2007 | 81.10 | 34.93 | 46.17 | 1.59 |
| " | " | 10/1/2007 | 81.10 | 35.53 | 45.57 | 1.34 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[(2)] |
|---|---|---|---|---|---|---|
| 48A | UNIT 3 | 1/2/2007 | 80.03 | 27.36 | 52.67 | 0.64 |
| " | " | 4/3/2007 | 80.03 | 25.70 | 54.33 | 1.48 |
| " | " | 7/3/2007 | 80.03 | 25.97 | 54.06 | 3.92 |
| " | " | 10/1/2007 | 80.03 | 26.66 | 53.37 | 1.59 |
| | | | | | | |
| 49B-2 | UNIT 6 | 1/2/2007 | 82.01 | 33.66 | 48.35 | 0.43 |
| " | " | 4/3/2007 | 82.01 | 31.83 | 50.18 | 1.49 |
| " | " | 7/3/2007 | 82.01 | 31.95 | 50.06 | 3.29 |
| " | " | 10/1/2007 | 82.01 | 32.79 | 49.22 | 1.52 |
| | | | | | | |
| 50B-1 | UNIT 4 | 1/2/2007 | 79.63 | 36.85 | 42.78 | 0.90 |
| " | " | 4/3/2007 | 79.63 | 35.49 | 44.14 | 0.13 |
| " | " | 7/3/2007 | 79.63 | 35.00 | 44.63 | 1.37 |
| " | " | 10/1/2007 | 79.63 | 35.63 | 44.00 | 1.46 |
| | | | | | | |
| 51A | UNIT 3 | 1/2/2007 | 79.67 | 35.75 | 43.92 | -0.25 |
| " | " | 4/3/2007 | 79.67 | 34.97 | 44.70 | 0.37 |
| " | " | 7/3/2007 | 79.67 | 34.53 | 45.14 | 1.12 |
| " | " | 10/1/2007 | 79.67 | 35.16 | 44.51 | 0.57 |
| | | | | | | |
| 51B-1 | UNIT 4 | 1/2/2007 | 79.39 | 36.44 | 42.95 | -0.92 |
| " | " | 4/3/2007 | 79.39 | 34.98 | 44.41 | 0.37 |
| " | " | 7/3/2007 | 79.39 | 34.50 | 44.89 | 1.64 |
| " | " | 10/1/2007 | 79.39 | 35.18 | 44.21 | 1.57 |
| | | | | | | |
| 52C | UNIT 8 | 1/2/2007 | 80.74 | 30.24 | 50.50 | 0.89 |
| " | " | 4/3/2007 | 80.74 | 27.95 | 52.79 | 1.86 |
| " | " | 7/3/2007 | 80.74 | 28.40 | 52.34 | 3.73 |
| " | " | 10/1/2007 | 80.74 | 29.57 | 51.17 | 1.65 |
| | | | | | | |
| 53C | UNIT 8 | 1/2/2007 | 80.33 | 38.02 | 42.31 | -0.01 |
| " | " | 4/3/2007 | 80.33 | 36.13 | 44.20 | 0.72 |
| " | " | 7/3/2007 | 80.33 | 36.43 | 43.90 | 2.19 |
| " | " | 10/1/2007 | 80.33 | 37.55 | 42.78 | 0.98 |
| | | | | | | |
| 54B-1 | UNIT 4 | 1/2/2007 | 80.02 | 18.25 | 61.77 | 3.94 |
| " | " | 4/2/2007 | 80.02 | 18.80 | 61.22 | 2.86 |
| " | " | 7/2/2007 | 80.02 | 18.98 | 61.04 | 5.37 |
| " | " | 10/1/2007 | 80.02 | 19.47 | 60.55 | 1.14 |
| | | | | | | |
| AT-01 | UNIT 6 | 1/2/2007 | 77.66 | 42.36 | 35.30 | 1.76 |
| " | " | 4/3/2007 | 77.66 | 39.11 | 38.55 | 2.34 |
| " | " | 7/5/2007 | 77.66 | 41.19 | 36.47 | 2.99 |
| " | " | 10/2/2007 | 77.66 | 43.54 | 34.12 | -0.77 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2

## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| AT-02 | UNIT 8 | 1/2/2007 | 77.98 | 41.34 | 36.64 | 1.60 |
| " | " | 4/3/2007 | 77.98 | 38.03 | 39.95 | 2.21 |
| " | " | 7/5/2007 | 77.98 | 39.98 | 38.00 | 3.00 |
| " | " | 10/2/2007 | 77.98 | 42.22 | 35.76 | -0.50 |
| | | | | | | |
| AT-03 | UNIT 6 | 1/2/2007 | 79.22 | 41.48 | 37.74 | 1.18 |
| " | " | 4/3/2007 | 79.22 | 38.70 | 40.52 | 1.82 |
| " | " | 7/5/2007 | 79.22 | 40.14 | 39.08 | 2.78 |
| " | " | 10/2/2007 | 79.22 | 42.08 | 37.14 | -10.16 |
| | | | | | | |
| AT-04 | UNIT 8 | 1/2/2007 | 79.43 | 39.80 | 39.63 | 0.63 |
| " | " | 4/3/2007 | 79.43 | 37.45 | 41.98 | 1.31 |
| " | " | 7/5/2007 | 79.43 | 38.34 | 41.09 | 2.56 |
| " | " | 10/2/2007 | 79.43 | 39.91 | 39.52 | 0.38 |
| | | | | | | |
| AT-05 | UNIT 6 | 1/2/2007 | 79.68 | 39.04 | 40.64 | 0.27 |
| " | " | 4/3/2007 | 79.68 | 36.94 | 42.74 | 1.00 |
| " | " | 7/5/2007 | 79.68 | 37.50 | 42.18 | 2.35 |
| " | " | 10/2/2007 | 79.68 | 38.85 | 40.83 | 0.68 |
| | | | | | | |
| AT-06 | UNIT 8 | 1/2/2007 | 80.12 | 32.57 | 47.55 | 0.67 |
| " | " | 4/3/2007 | 80.12 | 30.26 | 49.86 | 1.63 |
| " | " | 7/5/2007 | 80.12 | 30.71 | 49.41 | 3.34 |
| " | " | 10/2/2007 | 80.12 | 31.94 | 48.18 | 1.45 |
| | | | | | | |
| AT-07 | UNIT 6 | 1/2/2007 | 78.38 | 40.54 | 37.84 | 1.17 |
| " | " | 4/3/2007 | 78.38 | 37.76 | 40.62 | 1.84 |
| " | " | 7/5/2007 | 78.38 | 39.20 | 39.18 | 2.77 |
| " | " | 10/2/2007 | 78.38 | 41.12 | 37.26 | -0.14 |
| | | | | | | |
| AT-08 | UNIT 6 | 1/2/2007 | 77.10 | 45.45 | 31.65 | 2.74 |
| " | " | 4/3/2007 | 77.10 | 41.45 | 35.65 | 3.26 |
| " | " | 7/5/2007 | 77.10 | 44.55 | 32.55 | 3.37 |
| " | " | 10/2/2007 | 77.10 | 47.56 | 29.54 | -1.69 |
| | | | | | | |
| AT-09 | UNIT 6 | 1/2/2007 | 78.94 | 35.88 | 43.06 | -0.76 |
| " | " | 4/3/2007 | 78.94 | 34.30 | 44.64 | 0.44 |
| " | " | 7/5/2007 | 78.94 | 34.00 | 44.94 | 1.82 |
| " | " | 10/2/2007 | 78.94 | 34.79 | 44.15 | 1.42 |
| | | | | | | |
| AT-10 | UNIT 6 | 1/2/2007 | 80.10 | 40.14 | 39.96 | 0.50 |
| " | " | 4/3/2007 | 80.10 | 37.88 | 42.22 | 1.20 |
| " | " | 7/5/2007 | 80.10 | 38.64 | 41.46 | 2.48 |
| " | " | 10/2/2007 | 80.10 | 40.12 | 39.98 | 0.49 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| AT-11 | UNIT 6 | 1/2/2007 | 77.55 | 44.89 | 32.66 | 2.37 |
| " | " | 4/3/2007 | 77.55 | 41.21 | 36.34 | 2.83 |
| " | " | 7/5/2007 | 77.55 | 43.92 | 33.63 | 3.21 |
| " | " | 10/2/2007 | 77.55 | 46.68 | 30.87 | -1.38 |
| | | | | | | |
| AT-12R | Unit 6 | 1/2/2007 | 78.37 | 47.51 | 30.86 | 2.91 |
| " | " | 4/3/2007 | 78.37 | 43.38 | 34.99 | 3.38 |
| " | " | 7/5/2007 | 78.37 | 46.65 | 31.72 | 3.43 |
| " | " | 10/2/2007 | 78.37 | 49.77 | 28.60 | -1.84 |
| | | | | | | |
| AT-13 | UNIT 6 | 1/3/2007 | 78.30 | 47.58 | 30.72 | 3.90 |
| " | " | 4/3/2007 | 78.30 | 43.80 | 34.50 | 4.08 |
| " | " | 7/5/2007 | 78.30 | 47.44 | 30.86 | 3.75 |
| " | " | 10/2/2007 | 78.30 | 50.82 | 27.48 | -2.21 |
| | | | | | | |
| AT-14 | UNIT 6 | 1/3/2007 | 78.41 | 47.48 | 30.93 | 3.80 |
| " | " | 4/3/2007 | 78.41 | 43.75 | 34.66 | 3.96 |
| " | " | 7/5/2007 | 78.41 | 47.29 | 31.12 | 3.67 |
| " | " | 10/2/2007 | 78.41 | 50.59 | 27.82 | -2.09 |
| | | | | | | |
| AT-15 | UNIT 6 | 1/3/2007 | 79.32 | 48.90 | 30.42 | 4.06 |
| " | " | 4/3/2007 | 79.32 | 45.02 | 34.30 | 4.24 |
| " | " | 7/5/2007 | 79.32 | 48.80 | 30.52 | 3.79 |
| " | " | 10/2/2007 | 79.32 | 52.24 | 27.08 | -2.23 |
| | | | | | | |
| AT-16 | UNIT 6 | 1/3/2007 | 78.73 | 49.10 | 29.63 | 4.93 |
| " | " | 4/3/2007 | 78.73 | 45.04 | 33.69 | 5.03 |
| " | " | 7/5/2007 | 78.73 | 49.50 | 29.23 | 4.12 |
| " | " | 10/2/2007 | 78.73 | 53.34 | 25.39 | -2.91 |
| | | | | | | |
| AT-17 | UNIT 6 | 1/3/2007 | 78.77 | 49.04 | 29.73 | 4.98 |
| " | " | 4/3/2007 | 78.77 | 45.08 | 33.69 | 4.96 |
| " | " | 7/5/2007 | 78.77 | 49.40 | 29.37 | 4.18 |
| " | " | 10/2/2007 | 78.77 | 53.29 | 25.48 | -2.89 |
| | | | | | | |
| AT-18 | UNIT 4 | 1/3/2007 | 79.54 | 21.66 | 57.88 | 1.87 |
| " | " | 4/3/2007 | 79.54 | 20.91 | 58.63 | 2.33 |
| " | " | 7/5/2007 | 79.54 | 20.80 | 58.74 | 4.55 |
| " | " | 10/2/2007 | 79.54 | 21.57 | 57.97 | 1.12 |
| | | | | | | |
| AT-19 | UNIT 4 | 1/3/2007 | 79.51 | 31.58 | 47.93 | 0.64 |
| " | " | 4/3/2007 | 79.51 | 30.22 | 49.29 | 1.71 |
| " | " | 7/5/2007 | 79.51 | 30.18 | 49.33 | 2.93 |
| " | " | 10/2/2007 | 79.51 | 30.66 | 48.85 | 1.42 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| AT-20 | UNIT 4 | 1/3/2007 | 79.80 | 33.79 | 46.01 | 0.32 |
| " | " | 4/3/2007 | 79.80 | 32.49 | 47.31 | 1.35 |
| " | " | 7/5/2007 | 79.80 | 32.54 | 47.26 | 2.30 |
| " | " | 10/2/2007 | 79.80 | 32.72 | 47.08 | 1.55 |
| | | | | | | |
| AT-21 | UNIT 6 | 1/2/2007 | 80.47 | 39.11 | 41.36 | 0.07 |
| " | " | 4/3/2007 | 80.47 | 37.14 | 43.33 | 0.83 |
| " | " | 7/5/2007 | 80.47 | 37.53 | 42.94 | 2.23 |
| " | " | 10/2/2007 | 80.47 | 38.75 | 41.72 | 0.83 |
| | | | | | | |
| AT-22 | UNIT 6 | 1/2/2007 | 80.40 | 39.07 | 41.33 | 0.06 |
| " | " | 4/3/2007 | 80.40 | 37.06 | 43.34 | 0.86 |
| " | " | 7/5/2007 | 80.40 | 37.45 | 42.95 | 2.25 |
| " | " | 10/2/2007 | 80.40 | 38.68 | 41.72 | 0.84 |
| | | | | | | |
| AT-23 | UNIT 8 | 1/2/2007 | 80.32 | 38.57 | 41.75 | 0.15 |
| " | " | 4/3/2007 | 80.32 | 36.60 | 43.72 | 0.91 |
| " | " | 7/5/2007 | 80.32 | 37.21 | 43.11 | 2.08 |
| " | " | 10/2/2007 | 80.32 | 38.35 | 41.97 | 0.73 |
| | | | | | | |
| AT-24 | UNIT 6 | 1/2/2007 | 80.89 | 40.49 | 40.40 | 0.26 |
| " | " | 4/3/2007 | 80.89 | 38.39 | 42.50 | 0.97 |
| " | " | 7/5/2007 | 80.89 | 38.94 | 41.95 | 2.36 |
| " | " | 10/2/2007 | 80.89 | 40.33 | 40.56 | 0.64 |
| | | | | | | |
| AT-25 | UNIT 6 | 1/2/2007 | 80.86 | 40.45 | 40.41 | 0.28 |
| " | " | 4/3/2007 | 80.86 | 38.36 | 42.50 | 0.98 |
| " | " | 7/5/2007 | 80.86 | 38.92 | 41.94 | 2.34 |
| " | " | 10/2/2007 | 80.86 | 40.27 | 40.59 | 0.68 |
| | | | | | | |
| AT-26 | UNIT 8 | 1/2/2007 | 81.61 | 40.28 | 41.33 | 0.28 |
| " | " | 4/3/2007 | 81.61 | 38.19 | 43.42 | 0.99 |
| " | " | 7/5/2007 | 81.61 | 38.74 | 42.87 | 2.35 |
| " | " | 10/2/2007 | 81.61 | 40.09 | 41.52 | 0.66 |
| | | | | | | |
| AT-27 | UNIT 8 | 1/3/2007 | 78.39 | 48.24 | 30.15 | 4.55 |
| " | " | 4/3/2007 | 78.39 | 44.21 | 34.18 | 4.72 |
| " | " | 7/5/2007 | 78.39 | 48.38 | 30.01 | 4.03 |
| " | " | 10/2/2007 | 78.39 | 52.09 | 26.30 | -2.70 |
| | | | | | | |
| AT-28 | UNIT 6 | 1/3/2007 | 77.97 | 47.81 | 30.16 | 4.58 |
| " | " | 4/3/2007 | 77.97 | 43.81 | 34.16 | 4.74 |
| " | " | 7/5/2007 | 77.97 | 48.02 | 29.95 | 3.99 |
| " | " | 10/2/2007 | 77.97 | 51.71 | 26.26 | -2.70 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| AT-29 | UNIT 6 | 1/3/2007 | 78.07 | 47.88 | 30.19 | 4.58 |
| " | " | 4/3/2007 | 78.07 | 43.87 | 34.20 | 4.76 |
| " | " | 7/5/2007 | 78.07 | 48.06 | 30.01 | 4.02 |
| " | " | 10/2/2007 | 78.07 | 51.76 | 26.31 | -2.70 |
| | | | | | | |
| AT-30 | UNIT 8 | 1/3/2007 | 78.31 | 48.16 | 30.15 | 4.59 |
| " | " | 4/3/2007 | 78.31 | 44.17 | 34.14 | 4.74 |
| " | " | 7/5/2007 | 78.31 | 48.35 | 29.96 | 4.02 |
| " | " | 10/2/2007 | 78.31 | 52.05 | 26.26 | -2.69 |
| | | | | | | |
| AT-31 | UNIT 4 | 1/3/2007 | 79.04 | 29.23 | 49.81 | 1.06 |
| " | " | 4/3/2007 | 79.04 | 27.96 | 51.08 | 2.00 |
| " | " | 7/5/2007 | 79.04 | 27.74 | 51.30 | 3.48 |
| " | " | 10/2/2007 | 79.04 | 28.48 | 50.56 | 1.24 |
| | | | | | | |
| AT-32 | UNIT 4 | 1/3/2007 | 79.06 | 30.97 | 48.09 | 0.63 |
| " | " | 4/3/2007 | 79.06 | 29.45 | 49.61 | 1.82 |
| " | " | 7/5/2007 | 79.06 | 29.28 | 49.78 | 3.13 |
| " | " | 10/2/2007 | 79.06 | 29.95 | 49.11 | 1.49 |
| | | | | | | |
| AT-33 | UNIT 6 | 1/3/2007 | 79.08 | 32.00 | 47.08 | 0.68 |
| " | " | 4/3/2007 | 79.08 | 30.35 | 48.73 | 1.84 |
| " | " | 7/5/2007 | 79.08 | 30.32 | 48.76 | 3.10 |
| " | " | 10/2/2007 | 79.08 | 31.12 | 47.96 | 1.33 |
| | | | | | | |
| AT-34 | UNIT 6 | 1/3/2007 | 59.65 | 30.69 | 28.96 | 4.83 |
| " | " | 4/3/2007 | 59.65 | 26.50 | 33.15 | 5.02 |
| " | " | 7/5/2007 | 59.65 | 30.88 | 28.77 | 4.14 |
| " | " | 10/2/2007 | 59.65 | 34.84 | 24.81 | -2.68 |
| | | | | | | |
| AT-35 | UNIT 6 | 1/3/2007 | 56.99 | 26.64 | 30.35 | 3.97 |
| " | " | 4/3/2007 | 56.99 | 22.75 | 34.24 | 4.17 |
| " | " | 7/5/2007 | 56.99 | 26.45 | 30.54 | 3.81 |
| " | " | 10/2/2007 | 56.99 | 29.93 | 27.06 | -2.20 |
| | | | | | | |
| AT-36 | UNIT 4 | 1/3/2007 | 56.81 | 29.16 | 27.65 | 4.12 |
| " | " | 4/3/2007 | 56.81 | 24.15 | 32.66 | 4.98 |
| " | " | 7/5/2007 | 56.81 | 28.62 | 28.19 | 3.90 |
| " | " | 10/2/2007 | 56.81 | 32.38 | 24.43 | -2.06 |
| | | | | | | |
| AT-37 | UNIT 6 | 1/3/2007 | 56.93 | 28.67 | 28.26 | 5.72 |
| " | " | 4/3/2007 | 56.93 | 24.54 | 32.39 | 5.64 |
| " | " | 7/5/2007 | 56.93 | 29.39 | 27.54 | 4.47 |
| " | " | 10/2/2007 | 56.93 | 33.78 | 23.15 | -3.32 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| B-282 | UNIT 4 | 1/4/2007 | 81.76 | 23.30 | 58.46 | 1.74 |
| " | " | 4/5/2007 | 81.76 | 19.82 | 61.94 | 4.09 |
| " | " | 7/2/2007 | 81.76 | 20.81 | 60.95 | 4.92 |
| " | " | 10/3/2007 | 81.76 | 22.31 | 59.45 | 3.16 |
| | | | | | | |
| DM-03 | UNIT 6 | 1/2/2007 | 79.44 | 31.88 | 47.56 | 0.40 |
| " | " | 4/3/2007 | 79.44 | 30.08 | 49.36 | 1.42 |
| " | " | 7/3/2007 | 79.44 | 30.17 | 49.27 | 3.18 |
| " | " | 10/1/2007 | 79.44 | 30.97 | 48.47 | 1.49 |
| | | | | | | |
| I-1 | UNIT 6 | 1/5/2007 | 83.30 | 46.20 | 37.10 | -0.30 |
| " | " | 4/6/2007 | 83.30 | 47.70 | 35.60 | 2.70 |
| " | " | 7/6/2007 | 83.30 | 46.20 | 37.10 | -0.50 |
| " | " | 10/4/2007 | 83.30 | 45.30 | 38.00 | 0.80 |
| | | | | | | |
| I-10 | UNIT 3 | 1/5/2007 | 83.90 | 55.60 | 28.30 | -0.50 |
| " | " | 4/6/2007 | 83.90 | 54.90 | 29.00 | 1.30 |
| " | " | 7/6/2007 | 83.90 | 53.00 | 30.90 | 2.80 |
| " | " | 10/4/2007 | 83.90 | 55.60 | 28.30 | -2.20 |
| | | | | | | |
| I-11 | UNIT 4 | 1/3/2007 | 61.30 | 17.47 | 43.83 | -1.11 |
| " | " | 4/5/2007 | 61.30 | 15.91 | 45.39 | 0.20 |
| " | " | 7/3/2007 | 64.23 | 15.79 | 48.44 | 4.65 |
| " | " | 10/3/2007 | 64.23 | 16.20 | 48.03 | 4.64 |
| | | | | | | |
| I-12 | UNIT 4 | 1/3/2007 | 85.60 | 37.57 | 48.03 | 1.51 |
| " | " | 4/5/2007 | 85.60 | 36.02 | 49.58 | 2.75 |
| " | " | 7/3/2007 | 87.16 | 36.05 | 51.11 | 3.93 |
| " | " | 10/3/2007 | 87.16 | 36.61 | 50.55 | 3.28 |
| | | | | | | |
| I-13 | UNIT 4 | 1/3/2007 | 78.01 | 34.99 | 43.02 | -1.17 |
| " | " | 4/5/2007 | 78.01 | 33.92 | 44.09 | -0.16 |
| " | " | 7/3/2007 | 80.01 | 33.42 | 46.59 | 3.06 |
| " | " | 10/3/2007 | 80.01 | 33.79 | 46.22 | 3.35 |
| | | | | | | |
| I-1R | UNIT 6 | 1/5/2007 | 83.51 | 44.90 | 38.61 | 0.40 |
| " | " | 4/6/2007 | 83.51 | 48.00 | 35.51 | 2.70 |
| " | " | 7/6/2007 | 83.51 | 47.50 | 36.01 | 1.60 |
| " | " | 10/4/2007 | 83.51 | 50.90 | 32.61 | -5.30 |
| | | | | | | |
| I-2 | UNIT 3 | 1/5/2007 | 83.20 | 43.90 | 39.30 | 1.60 |
| " | " | 4/6/2007 | 83.20 | 46.10 | 37.10 | -2.00 |
| " | " | 7/6/2007 | 83.20 | 45.80 | 37.40 | -1.00 |
| " | " | 10/4/2007 | 83.20 | 44.30 | 38.90 | 1.50 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[(2)] |
|---|---|---|---|---|---|---|
| I-2R | UNIT 3 | 1/5/2007 | 83.54 | 43.40 | 40.14 | -3.20 |
| " | " | 4/6/2007 | 83.54 | 43.60 | 39.94 | -3.60 |
| " | " | 7/6/2007 | 83.54 | 41.30 | 42.24 | -1.00 |
| " | " | 10/4/2007 | 83.54 | 43.20 | 40.34 | -1.40 |
| | | | | | | |
| I-3 | UNIT 4 | 1/5/2007 | 85.04 | 50.70 | 34.34 | -5.80 |
| " | " | 4/6/2007 | 85.04 | 52.10 | 32.94 | -5.90 |
| " | " | 7/6/2007 | 85.04 | 47.70 | 37.34 | -2.50 |
| " | " | 10/4/2007 | 85.04 | 45.30 | 39.74 | -0.10 |
| | | | | | | |
| I-4 | UNIT 6 | 1/5/2007 | 83.65 | 48.60 | 35.05 | 18.50 |
| " | " | 4/6/2007 | 83.65 | 50.70 | 32.95 | 8.60 |
| " | " | 7/6/2007 | 83.65 | 49.40 | 34.25 | 4.20 |
| " | " | 10/4/2007 | 83.65 | 57.50 | 26.15 | -9.80 |
| | | | | | | |
| I-5 | UNIT 4 | 1/5/2007 | 84.38 | 49.40 | 34.98 | -1.00 |
| " | " | 4/6/2007 | 84.38 | 45.50 | 38.88 | 1.80 |
| " | " | 7/6/2007 | 84.38 | 48.50 | 35.88 | 0.80 |
| " | " | 10/4/2007 | 84.38 | 49.70 | 34.68 | -4.40 |
| | | | | | | |
| I-6 | UNIT 6 | 1/5/2007 | 81.36 | 60.30 | 21.06 | 1.40 |
| " | " | 4/6/2007 | 81.36 | 60.70 | 20.66 | -0.20 |
| " | " | 7/6/2007 | 81.36 | 60.30 | 21.06 | -1.40 |
| " | " | 10/4/2007 | 81.36 | 61.80 | 19.56 | -3.90 |
| | | | | | | |
| I-7 | UNIT 4 | 1/5/2007 | 83.71 | 40.20 | 43.51 | 0.40 |
| " | " | 4/6/2007 | 83.71 | 40.90 | 42.81 | -0.30 |
| " | " | 7/6/2007 | 83.71 | 41.20 | 42.51 | -1.10 |
| " | " | 10/4/2007 | 83.71 | 40.90 | 42.81 | 0.90 |
| | | | | | | |
| I-8 | UNIT 4 | 1/5/2007 | 82.15 | 45.50 | 36.65 | -5.90 |
| " | " | 4/6/2007 | 82.15 | 41.20 | 40.95 | -0.80 |
| " | " | 7/6/2007 | 82.15 | 40.30 | 41.85 | -0.10 |
| " | " | 10/4/2007 | 82.15 | 42.10 | 40.05 | 1.50 |
| | | | | | | |
| I-9 | UNIT 4 | 1/5/2007 | 83.05 | 51.10 | 31.95 | -1.60 |
| " | " | 4/6/2007 | 83.05 | 49.80 | 33.25 | 5.50 |
| " | " | 7/6/2007 | 83.05 | 50.60 | 32.45 | -3.10 |
| " | " | 10/4/2007 | 83.05 | 56.40 | 26.65 | -9.50 |
| | | | | | | |
| OB-21A | UNIT 3 | 1/4/2007 | 81.47 | 35.07 | 46.40 | -1.04 |
| " | " | 4/5/2007 | 81.47 | 33.64 | 47.83 | 0.13 |
| " | " | 7/2/2007 | 81.47 | 33.68 | 47.79 | 1.52 |
| " | " | 10/3/2007 | 81.47 | 34.40 | 47.07 | 1.31 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"--" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[(2)] |
|---|---|---|---|---|---|---|
| OB-21B | -- | 1/4/2007 | 81.95 | 36.44 | 45.51 | -1.31 |
| " | " | 4/5/2007 | 81.95 | 34.83 | 47.12 | 0.34 |
| " | " | 7/2/2007 | 81.95 | 34.55 | 47.40 | 1.62 |
| " | " | 10/3/2007 | 81.95 | 35.34 | 46.61 | 1.47 |
| | | | | | | |
| OB-22 | UNIT 3 | 1/4/2007 | 82.95 | 31.05 | 51.90 | -0.71 |
| " | " | 4/5/2007 | 82.95 | 28.53 | 54.42 | 1.45 |
| " | " | 7/2/2007 | 82.95 | 29.15 | 53.80 | 2.38 |
| " | " | 10/3/2007 | 82.95 | 29.91 | 53.04 | 2.13 |
| | | | | | | |
| OB-23 | UNIT 3 | 1/4/2007 | 81.35 | 26.41 | 54.94 | 0.29 |
| " | " | 4/5/2007 | 81.35 | 23.50 | 57.85 | 2.29 |
| " | " | 7/2/2007 | 81.35 | 24.46 | 56.89 | 3.65 |
| " | " | 10/3/2007 | 81.35 | 25.48 | 55.87 | 2.54 |
| | | | | | | |
| OB-24 | UNIT 4 | 1/4/2007 | 67.14 | 21.10 | 46.04 | -1.19 |
| " | " | 4/5/2007 | 67.14 | 19.51 | 47.63 | 0.04 |
| " | " | 7/2/2007 | 67.14 | 19.42 | 47.72 | 1.46 |
| " | " | 10/3/2007 | 67.14 | 19.98 | 47.16 | 1.51 |
| | | | | | | |
| OB-25A | UNIT 3 | 1/4/2007 | 68.21 | 17.31 | 50.90 | -0.90 |
| " | " | 4/5/2007 | 68.21 | 15.09 | 53.12 | 1.32 |
| " | " | 7/2/2007 | 68.21 | 15.80 | 52.41 | 2.83 |
| " | " | 10/3/2007 | 68.21 | 16.62 | 51.59 | 1.61 |
| | | | | | | |
| OB-25B | UNIT 4 | 1/4/2007 | 67.45 | 17.09 | 50.36 | -0.95 |
| " | " | 4/5/2007 | 67.45 | 14.89 | 52.56 | 1.15 |
| " | " | 7/2/2007 | 67.45 | 15.47 | 51.98 | 2.63 |
| " | " | 10/3/2007 | 67.45 | 16.24 | 51.21 | 1.66 |
| | | | | | | |
| OB-27 | UNIT 4 | 1/4/2007 | 81.91 | 36.36 | 45.55 | -1.09 |
| " | " | 4/5/2007 | 81.91 | 35.02 | 46.89 | 0.00 |
| " | " | 7/2/2007 | 81.91 | 35.02 | 46.89 | 1.48 |
| " | " | 10/3/2007 | 81.91 | 35.68 | 46.23 | 1.22 |
| | | | | | | |
| OB-29 | UNIT 3 | 1/4/2007 | 65.47 | 19.38 | 46.09 | -1.15 |
| " | " | 4/5/2007 | 65.47 | 17.78 | 47.69 | 0.05 |
| " | " | 7/2/2007 | 65.47 | 17.61 | 47.86 | 1.58 |
| " | " | 10/3/2007 | 65.47 | 18.11 | 47.36 | 1.55 |
| | | | | | | |
| OB-31 | UNIT 3 | 1/4/2007 | 64.81 | 20.19 | 44.62 | -0.82 |
| " | " | 4/5/2007 | 64.81 | 19.85 | 44.96 | -0.36 |
| " | " | 7/2/2007 | 64.81 | 19.68 | 45.13 | 1.73 |
| " | " | 10/3/2007 | 64.81 | 20.05 | 44.76 | 0.38 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"--" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| OB-33 | UNIT 4 | 1/2/2007 | 85.35 | 21.10 | 64.25 | 3.61 |
| " | " | 4/2/2007 | 85.35 | 21.51 | 63.84 | 2.30 |
| " | " | 7/3/2007 | 85.35 | 21.85 | 63.50 | 5.00 |
| " | " | 10/1/2007 | 85.35 | 22.88 | 62.47 | 9.58 |
| | | | | | | |
| P-21A | -- | 1/4/2007 | 82.57 | 30.80 | 51.77 | 0.03 |
| " | " | 4/5/2007 | 82.57 | 30.81 | 51.76 | 0.01 |
| " | " | 7/2/2007 | 82.57 | 30.84 | 51.73 | -0.03 |
| " | " | 10/3/2007 | 82.57 | 30.81 | 51.76 | -2.16 |
| | | | | | | |
| P-22A | -- | 1/4/2007 | 82.92 | 31.02 | 51.90 | -0.68 |
| " | " | 4/5/2007 | 82.92 | 28.50 | 54.42 | 1.46 |
| " | " | 7/2/2007 | 82.92 | 29.12 | 53.80 | 2.37 |
| " | " | 10/3/2007 | 82.92 | 29.87 | 53.05 | 1.88 |
| | | | | | | |
| P-23 | UNIT 4 | 1/2/2007 | 83.69 | 30.57 | 53.12 | 1.09 |
| " | " | 4/2/2007 | 83.69 | 29.23 | 54.46 | 2.03 |
| " | " | 7/3/2007 | 83.69 | 29.36 | 54.33 | 3.74 |
| " | " | 10/1/2007 | 83.69 | 29.70 | 53.99 | 1.73 |
| | | | | | | |
| P-26 | UNIT 3 | 1/4/2007 | 81.12 | 29.89 | 51.23 | 1.38 |
| " | " | 4/5/2007 | 81.12 | 26.61 | 54.51 | 4.35 |
| " | " | 7/3/2007 | 81.12 | 27.25 | 53.87 | 3.80 |
| " | " | 10/3/2007 | 81.12 | 28.15 | 52.97 | 2.83 |
| | | | | | | |
| P-32 | UNIT 3 | 1/2/2007 | 81.07 | 35.72 | 45.35 | 0.04 |
| " | " | 4/2/2007 | 81.07 | 36.99 | 44.08 | 0.32 |
| " | " | 7/2/2007 | 81.07 | 35.55 | 45.52 | 2.05 |
| " | " | 10/1/2007 | 81.07 | 37.57 | 43.50 | -1.17 |
| | | | | | | |
| P-35 | UNIT 3 | 1/2/2007 | 80.77 | 38.28 | 42.49 | -0.31 |
| " | " | 4/3/2007 | 80.77 | 37.75 | 43.02 | 0.00 |
| " | " | 7/5/2007 | 80.77 | 37.36 | 43.41 | 0.86 |
| " | " | 10/2/2007 | 80.77 | 38.04 | 42.73 | 0.23 |
| | | | | | | |
| P-36 | UNIT 3 | 1/2/2007 | 81.09 | DRY | -- | -- |
| " | " | 4/3/2007 | 81.09 | DRY | -- | -- |
| " | " | 7/5/2007 | 81.09 | DRY | -- | -- |
| " | " | 10/2/2007 | 81.09 | DRY | -- | -- |
| | | | | | | |
| P-45 | UNIT 4 | 1/3/2007 | 91.62 | 40.45 | 51.17 | -1.19 |
| " | " | 4/2/2007 | 91.62 | 38.19 | 53.43 | 0.78 |
| " | " | 7/3/2007 | 91.62 | 38.14 | 53.48 | 2.29 |
| " | " | 10/1/2007 | 91.62 | 37.66 | 53.96 | 2.61 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"--" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| P-46 | UNIT 3 | 1/3/2007 | 81.94 | 23.83 | 58.11 | 1.81 |
| " | " | 4/5/2007 | 81.94 | 21.46 | 60.48 | 2.88 |
| " | " | 7/3/2007 | 81.94 | 22.65 | 59.29 | 4.17 |
| " | " | 10/3/2007 | 81.94 | 23.80 | 58.14 | 2.56 |
| | | | | | | |
| P-47 | UNIT 3 | 1/4/2007 | 76.80 | 15.59 | 61.21 | 3.20 |
| " | " | 4/5/2007 | 76.80 | 14.22 | 62.58 | 3.40 |
| " | " | 7/3/2007 | 76.80 | 15.94 | 60.86 | 4.88 |
| " | " | 10/3/2007 | 76.80 | 17.04 | 59.76 | 1.24 |
| | | | | | | |
| P-48 | UNIT 3 | 1/4/2007 | 80.99 | 9.90 | 71.09 | 6.33 |
| " | " | 4/5/2007 | 80.99 | 8.46 | 72.53 | 5.63 |
| " | " | 7/3/2007 | 80.99 | 10.44 | 70.55 | 7.51 |
| " | " | 10/3/2007 | 80.99 | 12.08 | 68.91 | 1.44 |
| | | | | | | |
| P-48-A | UNIT 3 | 1/4/2007 | 80.83 | 8.44 | 72.39 | 6.21 |
| " | " | 4/5/2007 | 80.83 | 8.09 | 72.74 | 4.46 |
| " | " | 7/3/2007 | 80.83 | 9.87 | 70.96 | 4.71 |
| " | " | 10/3/2007 | 80.83 | 11.64 | 69.19 | 2.99 |
| | | | | | | |
| P-49 | UNIT 3 | 1/4/2007 | 81.98 | 13.30 | 68.68 | 4.69 |
| " | " | 4/5/2007 | 81.98 | 10.63 | 71.35 | 5.75 |
| " | " | 7/3/2007 | 81.98 | 12.13 | 69.85 | 6.88 |
| " | " | 10/3/2007 | 81.98 | 13.77 | 68.21 | 2.71 |
| | | | | | | |
| P-49-A | UNIT 3 | 1/4/2007 | 81.71 | DRY | -- | -- |
| " | " | 4/5/2007 | 81.71 | 9.54 | 72.17 | -- |
| " | " | 7/3/2007 | 81.71 | 12.63 | 69.08 | -- |
| " | " | 10/3/2007 | 81.71 | 14.35 | 67.36 | -- |
| | | | | | | |
| P-50 | UNIT 3 | 1/4/2007 | 83.14 | 21.63 | 61.51 | 1.70 |
| " | " | 4/5/2007 | 83.14 | 19.27 | 63.87 | 3.49 |
| " | " | 7/3/2007 | 83.14 | 20.53 | 62.61 | 3.70 |
| " | " | 10/3/2007 | 83.14 | 21.53 | 61.61 | 2.28 |
| | | | | | | |
| P-51 | UNIT 3 | 1/4/2007 | 78.80 | 8.35 | 70.45 | 4.41 |
| " | " | 4/5/2007 | 78.80 | 8.05 | 70.75 | 3.62 |
| " | " | 7/3/2007 | 78.80 | 11.30 | 67.50 | 4.56 |
| " | " | 10/3/2007 | 78.80 | 12.16 | 66.64 | -0.57 |
| | | | | | | |
| P-52 | UNIT 3 | 1/4/2007 | 81.15 | 7.92 | 73.23 | 6.35 |
| " | " | 4/5/2007 | 81.15 | 9.51 | 71.64 | 4.73 |
| " | " | 7/3/2007 | 81.15 | 11.37 | 69.78 | 7.28 |
| " | " | 10/3/2007 | 81.15 | 12.93 | 68.22 | -1.89 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
# GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| P-53 | UNIT 3 | 1/4/2007 | 79.28 | 10.53 | 68.75 | 3.78 |
| " | " | 4/5/2007 | 79.28 | 9.11 | 70.17 | 3.70 |
| " | " | 7/3/2007 | 79.28 | 12.11 | 67.17 | 4.82 |
| " | " | 10/3/2007 | 79.28 | 13.61 | 65.67 | -- |
| | | | | | | |
| PR-1 | UNIT 6 | 1/3/2007 | 77.53 | 37.78 | 39.75 | 0.12 |
| " | " | 4/5/2007 | 77.53 | 36.44 | 41.09 | 0.97 |
| " | " | 7/5/2007 | 77.53 | 36.29 | 41.24 | 2.02 |
| " | " | 10/3/2007 | 77.53 | 36.89 | 40.64 | 1.34 |
| | | | | | | |
| PR-1B | UNIT 6 | 1/3/2007 | 78.16 | 51.10 | 27.06 | -1.40 |
| " | " | 4/5/2007 | 78.16 | 50.10 | 28.06 | -1.60 |
| " | " | 7/5/2007 | 78.16 | 47.10 | 31.06 | 0.20 |
| " | " | 10/3/2007 | 78.16 | 46.70 | 31.46 | 2.80 |
| | | | | | | |
| PROC#1 | -- | 1/4/2007 | 78.46 | 66.90 | 11.56 | -2.85 |
| " | -- | 4/5/2007 | 78.46 | 46.30 | 32.16 | 10.40 |
| " | -- | 7/3/2007 | 78.46 | 48.75 | 29.71 | 15.15 |
| " | -- | 10/3/2007 | 78.46 | 58.70 | 19.76 | -0.65 |
| | | | | | | |
| PROC#2 | -- | 1/4/2007 | 79.29 | 125.70 | -46.41 | -4.55 |
| " | -- | 4/5/2007 | 79.29 | 127.90 | -48.61 | -8.35 |
| " | -- | 7/3/2007 | 79.29 | 125.10 | -45.81 | -2.55 |
| " | -- | 10/3/2007 | 79.29 | 125.20 | -45.91 | -1.30 |
| | | | | | | |
| R-1 | UNIT 6 | 1/5/2007 | 78.69 | 48.70 | 29.99 | 2.10 |
| " | " | 4/6/2007 | 78.69 | 20.10 | 58.59 | 28.60 |
| " | " | 7/6/2007 | 78.69 | 47.10 | 31.59 | 1.20 |
| " | " | 10/4/2007 | 78.69 | 46.70 | 31.99 | 4.50 |
| | | | | | | |
| R-2 | UNIT 6 | 1/5/2007 | 79.61 | 38.70 | 40.91 | 1.10 |
| " | " | 4/6/2007 | 79.61 | 36.90 | 42.71 | 1.60 |
| " | " | 7/6/2007 | 79.61 | 37.70 | 41.91 | 2.50 |
| " | " | 10/4/2007 | 79.61 | 39.20 | 40.41 | 0.50 |
| | | | | | | |
| R-3 | UNIT 6 | 1/5/2007 | 79.24 | 40.50 | 38.74 | 2.10 |
| " | " | 4/6/2007 | 79.24 | 38.50 | 40.74 | 2.20 |
| " | " | 7/6/2007 | 79.24 | 40.10 | 39.14 | 2.70 |
| " | " | 10/4/2007 | 79.24 | 42.00 | 37.24 | -0.10 |
| | | | | | | |
| R-4 | UNIT 6 | 1/5/2007 | 78.31 | 47.70 | 30.61 | 4.00 |
| " | " | 4/6/2007 | 78.31 | 43.40 | 34.91 | 4.70 |
| " | " | 7/6/2007 | 78.31 | 47.60 | 30.71 | 3.30 |
| " | " | 10/4/2007 | 78.31 | 51.10 | 27.21 | -1.90 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"--" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
## GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| R-5 | UNIT 4 | 1/5/2007 | 78.36 | 42.80 | 35.56 | 1.90 |
| " | " | 4/6/2007 | 78.36 | 44.70 | 33.66 | -0.90 |
| " | " | 7/6/2007 | 78.36 | 46.10 | 32.26 | -2.60 |
| " | " | 10/4/2007 | 78.36 | 44.10 | 34.26 | -0.20 |
| | | | | | | |
| SM-02 | UNIT 3 | 1/2/2007 | 79.67 | 29.49 | 50.18 | 0.19 |
| " | " | 4/3/2007 | 79.67 | 27.10 | 52.57 | 1.58 |
| " | " | 7/3/2007 | 79.67 | 27.66 | 52.01 | 3.55 |
| " | " | 10/1/2007 | 79.67 | 28.66 | 51.01 | 1.59 |
| | | | | | | |
| SM-03 | UNIT 3 | 1/2/2007 | 80.12 | 34.75 | 45.37 | -1.15 |
| " | " | 4/3/2007 | 80.12 | 33.22 | 46.90 | 0.30 |
| " | " | 7/3/2007 | 80.12 | 33.14 | 46.98 | 1.02 |
| " | " | 10/1/2007 | 80.12 | 33.42 | 46.70 | 1.53 |
| | | | | | | |
| SM-04 | UNIT 3 | 1/2/2007 | 80.01 | 42.24 | 37.77 | -1.22 |
| " | " | 4/3/2007 | 80.01 | 39.44 | 40.57 | 0.44 |
| " | " | 7/5/2007 | 80.01 | 39.55 | 40.46 | 2.27 |
| " | " | 10/2/2007 | 80.01 | 41.60 | 38.41 | 0.55 |
| | | | | | | |
| SM-05 | UNIT 3 | 1/2/2007 | 79.54 | 37.96 | 41.58 | -1.19 |
| " | " | 4/3/2007 | 79.54 | 36.56 | 42.98 | 0.00 |
| " | " | 7/5/2007 | 79.54 | 36.19 | 43.35 | 1.23 |
| " | " | 10/2/2007 | 79.54 | 36.92 | 42.62 | 1.32 |
| | | | | | | |
| a-DM-01 | UNIT 6 | 1/3/2007 | 79.39 | 19.14 | 60.25 | 2.95 |
| " | " | 4/3/2007 | 79.39 | 18.69 | 60.70 | 3.12 |
| " | " | 7/5/2007 | 79.39 | 18.50 | 60.89 | 5.49 |
| " | " | 10/2/2007 | 79.39 | 19.34 | 60.05 | 1.71 |
| | | | | | | |
| a-DM-02 | UNIT 6 | 1/3/2007 | 78.40 | 32.84 | 45.56 | 0.32 |
| " | " | 4/3/2007 | 78.40 | 31.27 | 47.13 | 1.46 |
| " | " | 7/5/2007 | 78.40 | 31.33 | 47.07 | 2.58 |
| " | " | 10/2/2007 | 78.40 | 31.90 | 46.50 | 1.33 |
| | | | | | | |
| a-DM-04 | UNIT 6 | 1/3/2007 | 77.67 | 42.75 | 34.92 | 2.27 |
| " | " | 4/3/2007 | 77.67 | 39.73 | 37.94 | 2.67 |
| " | " | 7/5/2007 | 77.67 | 41.97 | 35.70 | 3.15 |
| " | " | 10/2/2007 | 77.67 | 44.43 | 33.24 | -0.94 |
| | | | | | | |
| a-DM-05 | UNIT 6 | 1/3/2007 | 79.30 | 41.03 | 38.27 | 1.35 |
| " | " | 4/3/2007 | 79.30 | 38.50 | 40.80 | 1.95 |
| " | " | 7/5/2007 | 79.30 | 39.85 | 39.45 | 2.88 |
| " | " | 10/2/2007 | 79.30 | 41.74 | 37.56 | -0.07 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"—" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 2
# GROUNDWATER ELEVATIONS (ft. Plant Datum[1])
## 2007 ANNUAL GROUNDWATER MONITORING REPORT
## CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
## CAMERON-COLE, LLC

| WELL | UNIT | DATE MEASURED | TOP OF CASING ELEVATION (ft.) | DEPTH TO WATER (ft.) | GROUNDWATER ELEVATION (ft.) | 2007 - 2006[2] |
|---|---|---|---|---|---|---|
| a-DM-06 | UNIT 6 | 1/3/2007 | 79.27 | 38.52 | 40.75 | 0.69 |
| " | " | 4/3/2007 | 79.27 | 36.37 | 42.90 | 1.43 |
| " | " | 7/5/2007 | 79.27 | 37.10 | 42.17 | 2.66 |
| " | " | 10/2/2007 | 79.27 | 38.59 | 40.68 | 0.48 |
| | | | | | | |
| a-LM-01 | UNIT 8 | 1/3/2007 | 79.15 | 30.32 | 48.83 | 1.25 |
| " | " | 4/3/2007 | 79.15 | 27.85 | 51.30 | 2.21 |
| " | " | 7/5/2007 | 79.15 | 28.40 | 50.75 | 4.00 |
| " | " | 10/2/2007 | 79.15 | 29.74 | 49.41 | 1.72 |
| | | | | | | |
| a-LM-02 | UNIT 8 | 1/3/2007 | 78.58 | 44.66 | 33.92 | 2.65 |
| " | " | 4/3/2007 | 78.58 | 40.97 | 37.61 | 3.07 |
| " | " | 7/5/2007 | 78.58 | 43.50 | 35.08 | 3.70 |
| " | " | 10/2/2007 | 78.58 | 46.51 | 32.07 | -1.26 |
| | | | | | | |
| a-SM-01 | UNIT 3 | 1/3/2007 | 78.56 | 32.48 | 46.08 | 0.31 |
| " | " | 4/3/2007 | 78.56 | 31.17 | 47.39 | 1.35 |
| " | " | 7/5/2007 | 78.56 | 31.19 | 47.37 | 2.33 |
| " | " | 10/2/2007 | 78.56 | 31.42 | 47.14 | 1.51 |
| | | | | | | |
| a-SM-06 | UNIT 3 | 1/3/2007 | 77.79 | DRY | -- | -- |
| " | " | 4/3/2007 | 77.79 | DRY | -- | -- |
| " | " | 7/5/2007 | 77.83 | DRY | -- | -- |
| " | " | 10/2/2007 | 77.83 | DRY | -- | -- |
| | | | | | | |
| a-SM-07 | UNIT 3 | 1/3/2007 | 79.30 | 38.59 | 40.71 | -0.78 |
| " | " | 4/3/2007 | 79.30 | 36.14 | 43.16 | 1.02 |
| " | " | 7/5/2007 | 79.30 | 36.45 | 42.85 | 2.28 |
| " | " | 10/2/2007 | 79.30 | 38.89 | 40.41 | 0.23 |
| | | | | | | |
| a-SM-08 | UNIT 3 | 1/3/2007 | 79.36 | 36.27 | 43.09 | 1.41 |
| " | " | 4/3/2007 | 79.36 | 34.88 | 44.48 | 1.64 |
| " | " | 7/5/2007 | 79.36 | 35.24 | 44.12 | 2.91 |
| " | " | 10/2/2007 | 79.36 | 36.84 | 42.52 | 0.59 |
| | | | | | | |
| a-SM-09 | UNIT 4 | 1/3/2007 | 79.35 | 33.53 | 45.82 | 0.35 |
| " | " | 4/3/2007 | 79.35 | 32.32 | 47.03 | 1.28 |
| " | " | 7/5/2007 | 79.35 | 32.79 | 46.56 | 1.83 |
| " | " | 10/2/2007 | 79.35 | 32.56 | 46.79 | 1.43 |
| | | | | | | |
| a-SM-10 | UNIT 3 | 1/2/2007 | 76.81 | 9.08 | 67.73 | 3.07 |
| " | " | 4/3/2007 | 76.81 | 8.31 | 68.50 | 2.54 |
| " | " | 7/5/2007 | 76.81 | 9.62 | 67.19 | 4.23 |
| " | " | 10/2/2007 | 76.81 | 10.80 | 66.01 | -0.68 |

(1) Subtract 3.09 feet from plant elevations to obtain NGVD.

(2) 2007 - 2006 represents the change in water level elevation from the same month of the previous year. A positive value indicated an increase in 2007, while a negative value indicates a decrease.

(3) Monitor wells 29A and 30A were converted to recovery well status in September 1995.

(4) Interceptor/recovery well readings taken within On/Off level probe settings. Elevations will vary due to cycling of the pump.

(5) Indicates well screened in a hydrologically isolated unit

a - Represents off-site monitoring well belonging to ExxonMobil Chemical Americas-Baton Rouge Polyolefins Plant.

"---" Well dry in 2006, 2007, or both; comparison not possible.

NA - Not Applicable.

# TABLE 3
# TOTAL WELL DEPTH/IMMISCIBLE LAYER SURVEY
# 2007 SEMI-ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC. LAD010395127-P
# CAMERON-COLE, LLC

| WELL | DATE/TIME | | SURVEYED TOP OF CASING (CH BTR Plant Datum Elevations) | DEPTH TO LNAPL (ft. below TOC) | DEPTH TO WATER (ft. below TOC) | LNAPL PRODUCT THICKNESS (ft.) | DEPTH TO DNAPL (ft.) | DNAPL PRODUCT THICKNESS (ft.) | CONSTRUCTED WELL DEPTH (ft. below TOC) | 2007 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2007 MEASURED - CONSTRUCTED DEPTH (Negative number means loss of depth) | 2005 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2003 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2001 MEASURED WELL DEPTH (Depths measured below TOC reference point) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1A | 6-5-07 | 13:30 | 80.90 | -- | 8.79 | -- | -- | -- | 33.30 | 33.32 | 0.02 | 33.35 | 33.35 | 33.31 |
| 1B | 6-5-07 | 13:32 | 80.90 | -- | 15.67 | -- | -- | -- | 69.38 | 69.37 | -0.01 | 69.44 | 69.44 | 69.42 |
| 1C | 6-5-07 | 13:34 | 81.38 | -- | 27.51 | -- | -- | -- | 131.45 | 131.09 | -0.36 | 131.20 | 131.25 | 131.42 |
| 2A | 6-5-07 | 13:47 | 80.09 | -- | 10.07 | -- | -- | -- | 37.12 | 37.15 | 0.03 | 37.19 | 37.15 | 37.14 |
| 3A | 6-5-07 | 13:38 | 82.02 | -- | 20.18 | -- | -- | -- | 40.46 | 40.56 | 0.10 | 40.64 | 40.59 | 40.51 |
| 3C | 6-5-07 | 14:00 | 82.63 | -- | 30.28 | -- | -- | -- | 128.91 | 128.84 | -0.07 | 128.89 | 128.91 | 128.91 |
| 4A | 6-4-07 | 9:02 | 80.21 | -- | 34.53 | -- | -- | -- | 40.11 | 39.15 | -0.96 | 39.19 | 39.19 | 39.35 |
| 4B | 6-5-07 | 15:45 | 80.13 | -- | 35.82 | -- | -- | -- | 69.44 | 69.49 | 0.05 | 69.59 | 69.54 | 69.54 |
| 4B-1 | 6-5-07 | 15:47 | 79.90 | -- | 34.25 | -- | -- | -- | 52.70 | 52.82 | 0.12 | 52.85 | 52.82 | 52.83 |
| 4B-2 | 6-7-07 | 15:54 | 78.77 | -- | 33.84 | -- | -- | -- | 78.44 | 78.42 | -0.02 | 78.47 | 78.45 | 78.44 |
| 4C | 6-5-07 | 15:49 | 80.78 | -- | 29.27 | -- | -- | -- | 131.32 | 131.31 | -0.01 | 131.39 | 131.38 | 131.36 |
| 4C-U | 6-7-07 | 15:45 | 79.83 | -- | 28.41 | -- | -- | -- | 121.17 | 120.92 | -0.25 | 120.96 | 120.94 | 120.94 |
| 4C-L | 6-7-07 | 15:47 | 79.89 | -- | 28.45 | -- | -- | -- | 128.96 | 128.91 | -0.05 | 128.97 | 128.94 | 128.95 |
| 5A | 6-5-07 | 15:03 | 81.90 | -- | 27.61 | -- | -- | -- | 48.85 | 49.01 | 0.16 | 49.09 | 49.05 | 49.05 |
| 5A-R | 6-5-07 | 15:05 | 82.05 | -- | 27.59 | -- | -- | -- | 32.65 | 32.71 | 0.06 | 32.75 | 32.71 | 32.71 |
| 5B | 6-5-07 | 15:07 | 83.21 | -- | 28.98 | -- | -- | -- | 63.18 | 63.03 | -0.15 | 63.11 | 63.11 | 63.12 |
| 5B-1 | 6-6-07 | 11:44 | 81.87 | -- | 28.35 | -- | -- | -- | 60.96 | 61.05 | 0.09 | 61.12 | 61.10 | 61.09 |
| 5B-2 | 6-5-07 | 15:09 | 81.91 | -- | 31.75 | -- | -- | -- | 96.26 | 96.19 | -0.07 | 96.27 | 96.26 | 96.25 |
| 5C | 6-5-07 | 15:11 | 81.77 | -- | 28.87 | -- | -- | -- | 131.83 | 131.73 | -0.10 | 131.70 | 131.72 | 131.73 |
| 5C-U | 6-6-07 | 11:12 | 80.77 | -- | 27.86 | -- | -- | -- | 116.92 | 116.88 | -0.04 | 116.94 | 116.91 | 116.93 |
| 6A | 6-5-07 | 14:54 | 84.17 | -- | 26.86 | -- | -- | -- | 43.62 | 43.65 | 0.03 | 43.70 | 43.67 | 43.66 |
| 6B | 6-5-07 | 14:56 | 83.81 | -- | 27.94 | -- | -- | -- | 57.38 | 56.85 | -0.53 | 56.92 | 57.21 | 57.30 |
| 6B-R | 6-6-07 | 13:06 | 80.87 | -- | 25.19 | -- | -- | -- | 73.58 | 73.46 | -0.12 | 73.48 | 73.51 | 73.51 |
| 6B-2* | | | 80.92 | -- | NM | -- | -- | -- | 97.53 | NM | NM | NM | NM | NM |
| 6C* | | | 80.81 | -- | NM | -- | -- | -- | 122.98 | NM | NM | NM | NM | NM |
| 7A | 6-26-07 | 9:41 | 82.54 | -- | 34.82 | -- | -- | -- | 37.22 | 37.26 | 0.04 | 37.32 | 37.29 | 37.31 |
| 7B | 6-26-07 | 9:43 | 82.84 | -- | 35.63 | -- | -- | -- | 68.75 | 67.95 | -0.80 | 68.16 | 68.20 | 68.28 |
| 8A | 6-26-07 | 9:48 | 80.95 | -- | Dry | -- | -- | -- | 33.86 | 33.72 | -0.14 | 33.79 | 33.77 | 33.78 |

TOC - Top of Casing
-- - No layer detected
* - Unable to remove pump. Well replaced.
NM - Not Measured
NA - Not Applicable

# TABLE 3
# TOTAL WELL DEPTH/IMMISCIBLE LAYER SURVEY
# 2007 SEMI-ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC. LAD010395127-P
# CAMERON-COLE, LLC

| WELL | DATE/TIME | | SURVEYED TOP OF CASING (CH BTR Plant Datum Elevations) | DEPTH TO LNAPL (ft. below TOC) | DEPTH TO WATER (ft. below TOC) | LNAPL PRODUCT THICKNESS (ft.) | DEPTH TO DNAPL (ft.) | DNAPL PRODUCT THICKNESS (ft.) | CONSTRUCTED WELL DEPTH (ft. below TOC) | 2007 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2007 MEASURED - CONSTRUCTED DEPTH (Negative number means loss of depth) | 2005 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2003 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2001 MEASURED WELL DEPTH (Depths measured below TOC reference point) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8A-R | 6-26-07 | 9:50 | 81.20 | -- | Dry | -- | -- | -- | 33.58 | 33.62 | 0.04 | 33.69 | 33.65 | 33.65 |
| 8B | 6-26-07 | 9:52 | 80.11 | -- | 34.93 | -- | -- | -- | 56.80 | 56.73 | -0.07 | 56.79 | 56.73 | 56.73 |
| 8B-1 | 6-26-07 | 9:54 | 81.02 | -- | 35.88 | -- | -- | -- | 65.80 | 65.91 | 0.11 | 65.97 | 65.94 | 65.95 |
| 8B-2 | 6-26-07 | 9:56 | 81.38 | -- | 36.58 | -- | -- | -- | 90.12 | 90.24 | 0.12 | 90.29 | 90.26 | 90.24 |
| 8C | 6-26-07 | 9:58 | 81.22 | -- | 36.63 | -- | -- | -- | 129.92 | 129.75 | -0.17 | 129.81 | 129.82 | 129.89 |
| 9A | 6-25-07 | 14:03 | 81.30 | -- | 31.69 | -- | -- | -- | 46.46 | 46.44 | -0.02 | 46.47 | 46.48 | 46.48 |
| 9A-W | 6-25-07 | 14:09 | 59.80 | -- | 11.95 | -- | -- | -- | 33.82 | 33.71 | -0.11 | 33.73 | 33.71 | 33.73 |
| 9B-1 | 6-26-07 | 10:25 | 82.38 | -- | 33.51 | -- | -- | -- | 76.55 | 76.63 | 0.08 | 76.69 | 76.66 | 76.67 |
| 9C-R | 6-26-07 | 10:27 | 80.19 | -- | 32.40 | -- | -- | -- | 140.64 | 140.74 | 0.10 | 140.78 | 140.74 | 140.73 |
| 10A | 6-26-07 | 11:03 | 82.29 | -- | 27.70 | -- | -- | -- | 40.96 | 40.86 | -0.10 | 40.88 | 40.91 | 40.92 |
| 10A-W | 6-25-07 | 13:50 | 63.81 | -- | 11.94 | -- | -- | -- | 31.13 | 31.11 | -0.02 | 31.12 | 31.12 | 31.09 |
| 10B | 6-26-07 | 11:01 | 82.21 | -- | 28.59 | -- | -- | -- | 68.76 | 68.85 | 0.09 | 68.88 | 68.89 | 68.89 |
| 11A | 6-5-07 | 12:47 | 79.43 | -- | 14.97 | -- | -- | -- | 37.46 | 37.33 | -0.13 | 37.40 | 37.39 | 37.41 |
| 11B | 6-5-07 | 12:49 | 79.49 | -- | 20.29 | -- | -- | -- | 70.18 | 70.14 | -0.04 | 70.24 | 70.22 | 70.20 |
| 11C | 6-5-07 | 12:51 | 79.95 | -- | 23.91 | -- | -- | -- | 133.77 | 133.04 | -0.73 | 133.15 | 133.18 | 133.21 |
| 12A | 6-26-07 | 9:30 | 84.34 | -- | 36.45 | -- | -- | -- | 42.86 | 42.98 | 0.12 | 43.04 | 43.00 | 42.99 |
| 13A | 6-26-07 | 9:33 | 83.20 | -- | 35.70 | -- | -- | -- | 42.43 | 42.58 | 0.15 | 42.60 | 42.49 | 42.49 |
| 13A-R | 6-6-07 | 13:37 | 80.41 | -- | 33.40 | -- | -- | -- | 41.17 | 40.98 | -0.19 | 41.05 | 41.15 | 41.20 |
| 13B | 6-26-07 | 9:35 | 83.38 | -- | 36.03 | -- | -- | -- | 59.60 | 59.45 | -0.15 | 59.48 | 59.48 | 59.48 |
| 13B-1 | 6-6-07 | 13:37 | 80.21 | -- | 33.22 | -- | -- | -- | 53.27 | 53.26 | -0.01 | 53.29 | 53.30 | 53.29 |
| 13B-2 | 6-6-07 | 13:41 | 80.26 | -- | 35.12 | -- | -- | -- | 88.10 | 88.08 | -0.02 | 88.11 | 88.12 | 88.11 |
| 13C | 6-6-07 | 13:43 | 80.33 | -- | 35.35 | -- | -- | -- | 113.88 | 113.82 | -0.06 | 113.85 | 113.86 | 113.88 |
| 14A | 6-5-07 | 13:12 | 80.40 | -- | 14.68 | -- | -- | -- | 38.06 | 38.13 | 0.07 | 38.15 | 38.08 | 38.10 |
| 14B | 6-5-07 | 13:14 | 80.52 | -- | 16.44 | -- | -- | -- | 73.92 | 73.85 | -0.07 | 73.93 | 73.97 | 73.94 |
| 14C | 6-5-07 | 13:16 | 80.60 | -- | 24.50 | -- | -- | -- | 121.22 | 121.45 | 0.23 | 121.51 | 121.49 | 121.45 |
| 15A | 6-26-07 | 10:12 | 81.56 | -- | 41.20 | -- | -- | -- | 42.37 | 42.56 | 0.19 | 42.58 | 42.54 | 42.53 |
| 15B | 6-26-07 | 10:14 | 81.73 | -- | 40.75 | -- | -- | -- | 66.04 | 66.16 | 0.12 | 66.22 | 66.18 | 66.18 |
| 16A | 6-11-07 | 14:36 | 81.63 | -- | 18.29 | -- | -- | -- | 40.83 | 40.91 | 0.08 | 40.95 | 40.92 | 40.92 |

TOC - Top of Casing
--- - No layer detected
* - Unable to remove pump. Well replaced.
NM - Not Measured
NA - Not Applicable

# TABLE 3
# TOTAL WELL DEPTH/IMMISCIBLE LAYER SURVEY
# 2007 SEMI-ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC. LAD010395127-P
# CAMERON-COLE, LLC

| WELL | DATE/TIME | | SURVEYED TOP OF CASING (CH BTR Plant Datum Elevations) | DEPTH TO LNAPL (ft. below TOC) | DEPTH TO WATER (ft. below TOC) | LNAPL PRODUCT THICKNESS (ft.) | DEPTH TO DNAPL (ft.) | DNAPL PRODUCT THICKNESS (ft.) | CONSTRUCTED WELL DEPTH (ft. below TOC) | 2007 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2007 MEASURED - CONSTRUCTED DEPTH (Negative number means loss of depth) | 2005 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2003 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2001 MEASURED WELL DEPTH (Depths measured below TOC reference point) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17B-1 | 6-6-07 | 14:03 | 81.52 | -- | 35.70 | -- | -- | -- | 60.92 | 60.86 | -0.06 | 60.87 | 60.89 | 60.86 |
| 17B-2 | 6-6-07 | 14:05 | 81.45 | -- | 36.12 | -- | -- | -- | 78.42 | 78.15 | -0.27 | 78.19 | 78.26 | 78.29 |
| 20A | 6-6-07 | 13:32 | 81.82 | -- | 35.74 | -- | -- | -- | 58.82 | 58.75 | -0.07 | 58.76 | 58.79 | 58.78 |
| 21A | 6-26-07 | 10:34 | 93.07 | -- | 39.05 | -- | -- | -- | 69.76 | 69.85 | 0.09 | 69.91 | 69.89 | 69.88 |
| 21B-1 | 6-26-07 | 10:36 | 92.93 | -- | 41.29 | -- | -- | -- | 85.04 | 85.18 | 0.14 | 85.24 | 85.21 | 85.20 |
| 22A | 6-26-07 | 10:20 | 79.86 | -- | 32.06 | -- | -- | -- | 56.66 | 56.78 | 0.12 | 56.82 | 56.78 | 56.80 |
| 22A-W | 6-25-07 | 15:31 | 61.78 | -- | 13.97 | -- | -- | -- | 25.20 | 25.21 | 0.01 | 25.22 | 25.24 | 25.23 |
| 22B-1 | 6-25-07 | 15:33 | 61.77 | -- | 13.98 | -- | -- | -- | 35.25 | 35.25 | 0.00 | 35.26 | 35.27 | 35.27 |
| 23A | 6-5-07 | 16:01 | 83.40 | -- | 28.31 | -- | -- | -- | 41.06 | 41.17 | 0.11 | 41.24 | 41.20 | 41.21 |
| 23B-1 | 6-5-07 | 16:03 | 83.35 | -- | 27.79 | -- | -- | -- | 64.71 | 64.63 | -0.08 | 64.77 | 64.72 | 64.72 |
| 23B-2 | 6-5-07 | 16:05 | 83.47 | -- | 30.31 | -- | -- | -- | 81.91 | 81.98 | 0.07 | 82.05 | 82.02 | 82.02 |
| 23C | 6-5-07 | 16:07 | 82.95 | -- | 30.70 | -- | -- | -- | 131.06 | 131.04 | -0.02 | 131.15 | 131.10 | 131.09 |
| 24A | 6-5-07 | 15:31 | 81.04 | -- | 31.51 | -- | -- | -- | 41.14 | 41.31 | 0.17 | 41.36 | 41.32 | 41.32 |
| 24B-2 | 6-5-07 | 15:33 | 82.03 | -- | 33.81 | -- | -- | -- | 85.30 | 85.34 | 0.04 | 85.43 | 85.39 | 85.39 |
| 24C | 6-5-07 | 15:35 | 82.12 | -- | 29.47 | -- | -- | -- | 115.41 | 115.51 | 0.10 | 115.61 | 115.59 | 115.59 |
| 24C-L | 6-5-07 | 15:37 | 81.99 | -- | 29.35 | -- | -- | -- | 132.59 | 132.64 | 0.05 | 132.73 | 132.69 | 132.67 |
| 25A | 6-5-07 | 12:55 | 81.11 | -- | 18.01 | -- | -- | -- | 40.16 | 40.26 | 0.10 | 40.25 | 40.27 | 40.26 |
| 25B-1 | 6-5-07 | 12:57 | 81.15 | -- | 21.87 | -- | -- | -- | 68.98 | 69.07 | 0.09 | 69.14 | 69.12 | 69.11 |
| 26A | 6-5-07 | 14:27 | 79.99 | -- | 18.20 | -- | -- | -- | 50.16 | 50.26 | 0.10 | 50.32 | 50.29 | 50.28 |
| 27A | 6-5-07 | 14:50 | 82.13 | -- | 21.53 | -- | -- | -- | 45.95 | 46.05 | 0.10 | 46.12 | 46.09 | 46.09 |
| 28A | 6-5-07 | 14:31 | 80.89 | -- | 20.27 | -- | -- | -- | 43.79 | 44.02 | 0.23 | 44.06 | 44.03 | 44.02 |
| 28B-1 | 6-5-07 | 14:33 | 81.01 | -- | 21.16 | -- | -- | -- | 67.12 | 67.20 | 0.08 | 67.29 | 67.23 | 67.24 |
| 29A | Wells converted to recovery wells September 1995. | | | | | | | | | | | | | NA |
| 30A | | | | | | | | | | | | | | NA |
| 30B-1 | 6-5-07 | 14:44 | 84.28 | -- | 31.88 | -- | -- | -- | 76.64 | 76.71 | 0.07 | 76.79 | 76.76 | 76.76 |
| 31B-1U | 6-7-07 | 15:33 | 79.33 | -- | 33.61 | -- | -- | -- | 42.97 | 42.96 | -0.01 | 43.01 | 42.99 | 42.98 |
| 31B-1L | 6-7-07 | 15:35 | 79.46 | -- | 33.76 | -- | -- | -- | 54.36 | 54.36 | 0.00 | 54.39 | 54.36 | 54.37 |
| 31B-2 | 6-7-07 | 15:37 | 79.60 | -- | 34.84 | -- | -- | -- | 82.43 | 82.41 | -0.02 | 82.49 | 82.46 | 82.45 |

TOC - Top of Casing
--- - No layer detected
* - Unable to remove pump. Well replaced.
NM - Not Measured
NA - Not Applicable

# TABLE 3
# TOTAL WELL DEPTH/IMMISCIBLE LAYER SURVEY
# 2007 SEMI-ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC. LAD010395127-P
# CAMERON-COLE, LLC

| WELL | DATE/TIME | | SURVEYED TOP OF CASING (CH BTR Plant Datum Elevations) | DEPTH TO LNAPL (ft. below TOC) | DEPTH TO WATER (ft. below TOC) | LNAPL PRODUCT THICKNESS (ft.) | DEPTH TO DNAPL (ft.) | DNAPL PRODUCT THICKNESS (ft.) | CONSTRUCTED WELL DEPTH (ft. below TOC) | 2007 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2007 MEASURED - CONSTRUCTED DEPTH (Negative number means loss of depth) | 2005 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2003 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2001 MEASURED WELL DEPTH (Depths measured below TOC reference point) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31C | 6-7-07 | 15:39 | 79.14 | -- | 28.11 | -- | -- | -- | 130.33 | 130.31 | -0.02 | 130.35 | 130.29 | 130.29 |
| 32A | 6-5-07 | 15:22 | 81.49 | -- | 28.70 | -- | -- | -- | 29.50 | 29.69 | 0.19 | 29.74 | 29.71 | 29.72 |
| 32B-1 | 6-5-07 | 15:24 | 81.46 | -- | 31.02 | -- | -- | -- | 66.39 | 66.52 | 0.13 | 66.59 | 66.58 | 66.59 |
| 32B-2** | 6-5-07 | 15:26 | 81.42 | -- | 31.84 | -- | -- | -- | 84.60 | 85.87 | 1.27 | 85.86 | 85.35 | 85.08 |
| 33A | 6-6-07 | 11:17 | 80.64 | -- | 26.03 | -- | -- | -- | 35.48 | 35.53 | 0.05 | 35.59 | 35.56 | 35.56 |
| 33B-1 | 6-6-07 | 11:19 | 80.69 | -- | 26.05 | -- | -- | -- | 56.58 | 56.51 | -0.07 | 56.57 | 56.53 | 56.52 |
| 33B-2 | 6-6-07 | 11:21 | 80.82 | -- | 29.91 | -- | -- | -- | 93.67 | 93.86 | 0.19 | 93.90 | 93.89 | 93.88 |
| 33C-U | 6-6-07 | 11:23 | 80.56 | -- | 27.54 | -- | -- | -- | 115.40 | 115.49 | 0.09 | 115.57 | 115.51 | 115.52 |
| 33C-L | 6-6-07 | 11:25 | 80.57 | -- | 27.58 | -- | -- | -- | 129.86 | 129.99 | 0.13 | 130.06 | 130.03 | 130.02 |
| 34A | 6-6-07 | 11:35 | 79.67 | -- | 22.12 | -- | -- | -- | 39.92 | 40.03 | 0.11 | 40.09 | 40.05 | 40.04 |
| 34B-1 | 6-6-07 | 11:37 | 79.44 | -- | 23.73 | -- | -- | -- | 67.56 | 67.66 | 0.10 | 67.73 | 67.70 | 67.70 |
| 35A | 6-6-07 | 13:44 | 79.76 | -- | 29.02 | -- | -- | -- | 37.66 | 37.65 | -0.01 | 37.66 | 37.68 | 37.68 |
| 35B-1 | 6-6-07 | 13:46 | 79.98 | -- | 28.73 | -- | -- | -- | 65.24 | 65.20 | -0.04 | 65.22 | 65.24 | 65.24 |
| 35B-2 | 6-6-07 | 13:48 | 80.28 | -- | 32.01 | -- | -- | -- | 78.49 | 78.44 | -0.05 | 78.46 | 78.49 | 78.47 |
| 36A | 6-25-07 | 15:51 | 79.76 | -- | Dry | -- | -- | -- | 35.32 | 35.31 | -0.01 | 35.33 | 35.34 | 35.33 |
| 36B-1 | 6-25-07 | 15:53 | 79.82 | -- | 37.35 | -- | -- | -- | 62.48 | 62.18 | -0.30 | 62.23 | 62.27 | 62.29 |
| 37A | 6-25-07 | 15:36 | 63.01 | -- | 15.53 | -- | -- | -- | 27.71 | 27.72 | 0.01 | 27.73 | 27.74 | 27.74 |
| 37B-1 | 6-25-07 | 15:38 | 63.00 | -- | 17.44 | -- | -- | -- | 54.91 | 54.91 | 0.00 | 54.93 | 54.95 | 54.94 |
| 37B-2 | 6-25-07 | 15:40 | 63.40 | -- | 17.75 | -- | -- | -- | 62.80 | 62.79 | -0.01 | 62.80 | 62.82 | 62.82 |
| 38A | 6-25-07 | 13:55 | 63.54 | -- | 11.82 | -- | -- | -- | 34.80 | 34.38 | -0.42 | 34.38 | 34.41 | 34.27 |
| 38B-1 | 6-25-07 | 13:57 | 63.64 | -- | 12.12 | -- | -- | -- | 56.92 | 56.84 | -0.08 | 56.88 | 56.90 | 56.91 |
| 39A | 6-25-07 | 15:22 | 79.13 | -- | 17.32 | -- | -- | -- | 30.16 | 30.18 | 0.02 | 30.20 | 30.19 | 30.19 |
| 39B-2 | 6-25-07 | 15:24 | 79.45 | -- | 26.35 | -- | -- | -- | 91.79 | 91.68 | -0.11 | 91.73 | 91.75 | 91.77 |
| 40A | 6-5-07 | 13:01 | 81.50 | -- | 15.52 | -- | -- | -- | 32.58 | 32.66 | 0.08 | 32.71 | 32.69 | 32.68 |
| 40B-2 | 6-5-07 | 13:03 | 82.10 | -- | 25.29 | -- | -- | -- | 89.79 | 89.28 | -0.51 | 89.40 | 89.42 | 89.43 |
| 41A | 6-6-07 | 14:00 | 81.07 | -- | 35.37 | -- | -- | -- | 36.36 | 36.37 | 0.01 | 36.68 | 36.38 | 36.38 |
| 42A | 6-6-07 | 14:22 | 81.33 | -- | 35.71 | -- | -- | -- | 43.23 | 43.19 | -0.04 | 43.22 | 43.19 | 43.15 |
| 42B-1 | 6-6-07 | 14:24 | 81.29 | -- | 35.66 | -- | -- | -- | 53.36 | 53.29 | -0.07 | 53.39 | 53.35 | 53.34 |

TOC - Top of Casing
--- - No layer detected
* - Unable to remove pump. Well replaced. **Total well depth for 33B-2 was rechecked and confirmed on 6/3/05.
NM - Not Measured
NA - Not Applicable

# TABLE 3
# TOTAL WELL DEPTH/IMMISCIBLE LAYER SURVEY
# 2007 SEMI-ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC. LAD010395127-P
# CAMERON-COLE, LLC

| WELL | DATE/TIME | | SURVEYED TOP OF CASING (CH BTR Plant Datum Elevations) | DEPTH TO LNAPL (ft. below TOC) | DEPTH TO WATER (ft. below TOC) | LNAPL PRODUCT THICKNESS (ft.) | DEPTH TO DNAPL (ft.) | DNAPL PRODUCT THICKNESS (ft.) | CONSTRUCTED WELL DEPTH (ft. below TOC) | 2007 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2007 MEASURED - CONSTRUCTED DEPTH (Negative number means loss of depth) | 2005 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2003 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2001 MEASURED WELL DEPTH (Depths measured below TOC reference point) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43A | 6-5-07 | 14:08 | 79.59 | -- | 16.47 | -- | -- | -- | 40.44 | 40.58 | 0.14 | 40.64 | 40.61 | 40.60 |
| 46B-1 | 6-25-07 | 15:46 | 60.27 | -- | 13.15 | -- | -- | -- | 27.85 | 27.85 | 0.00 | 27.85 | 27.86 | 27.86 |
| 47B-1 | 6-6-07 | 13:51 | 81.10 | -- | 34.88 | -- | -- | -- | 53.74 | 53.59 | -0.15 | 53.61 | 53.63 | 53.62 |
| 48A | 6-6-07 | 12:57 | 80.03 | -- | 25.31 | -- | -- | -- | 43.07 | 43.08 | 0.01 | 43.09 | 43.07 | 43.03 |
| 49B-2 | 6-6-07 | 12:53 | 82.01 | -- | 31.49 | -- | -- | -- | 89.23 | 89.27 | 0.04 | 89.29 | 89.31 | 89.31 |
| 50B-1 | 6-6-07 | 14:34 | 79.63 | -- | 34.98 | -- | -- | -- | 56.83 | 56.73 | -0.10 | 56.79 | 56.77 | 56.78 |
| 51A | 6-6-07 | 14:15 | 79.67 | -- | 34.57 | -- | -- | -- | 36.65 | 36.56 | -0.09 | 36.61 | 36.57 | 36.57 |
| 51B-1 | 6-6-07 | 14:17 | 79.39 | -- | 34.46 | -- | -- | -- | 48.82 | 48.71 | -0.11 | 48.75 | 48.72 | 48.71 |
| 52C | 6-6-07 | 12:46 | 80.74 | -- | 25.59 | -- | -- | -- | 127.62 | 127.49 | -0.13 | 127.53 | 127.55 | 127.53 |
| 53C | 6-6-07 | 13:55 | 80.33 | -- | 35.84 | -- | -- | -- | 107.55 | 106.78 | -0.77 | 106.91 | 107.05 | 107.09 |
| 54B-1 | 6-5-07 | 14:22 | 80.02 | -- | 17.81 | -- | -- | -- | 49.07 | 49.09 | 0.02 | 49.15 | 49.12 | 49.11 |
| SM-2 | 6-6-07 | 11:46 | 79.67 | -- | 27.10 | -- | -- | -- | 35.63 | 35.74 | 0.11 | 35.80 | 35.77 | 35.77 |
| SM-3 | 6-6-07 | 13:27 | 80.12 | -- | 33.22 | -- | -- | -- | 38.63 | 38.66 | 0.03 | 38.68 | 38.69 | 38.69 |
| SM-4 | 6-6-07 | 15:19 | 80.01 | -- | 39.12 | -- | -- | -- | 42.89 | 42.89 | 0.00 | 42.91 | 42.93 | 42.92 |
| SM-5 | 6-6-07 | 14:40 | 79.54 | -- | 36.19 | -- | -- | -- | 43.26 | 43.26 | 0.00 | 43.33 | 43.29 | 43.28 |
| OB-33 | 6-6-07 | 15:31 | 85.35 | -- | 21.30 | -- | -- | -- | 70.3 | 69.85 | -0.45 | 69.98 | 70.01 | 70.01 |
| DM-3 | 6-6-07 | 11:48 | 79.44 | -- | 29.74 | -- | -- | -- | 88.81 | 88.91 | 0.10 | 88.98 | 88.96 | 88.95 |
| P-26 | 6-26-07 | 11:19 | 81.12 | -- | 27.25 | -- | -- | -- | 31.97 | 32.35 | 0.38 | 32.35 | 32.31 | 32.28 |
| AT-1 | 6-7-07 | 14:56 | 77.66 | -- | 40.45 | -- | -- | -- | 80.78 | 80.71 | -0.07 | 80.75 | 80.76 | 80.74 |
| AT-2 | 6-7-07 | 14:58 | 77.98 | -- | 39.17 | -- | -- | -- | 116.43 | 116.34 | -0.09 | 116.34 | 116.30 | 116.36 |
| AT-3 | 6-7-07 | 14:49 | 79.22 | -- | 39.46 | -- | -- | -- | 86.76 | 86.65 | -0.11 | 86.70 | 86.73 | 86.74 |
| AT-4 | 6-7-07 | 14:51 | 79.43 | -- | 37.71 | -- | -- | -- | 112.02 | 111.94 | -0.08 | 111.96 | 111.98 | 111.99 |
| AT-5 | 6-6-07 | 14:42 | 79.68 | -- | 36.87 | -- | -- | -- | 80.27 | 80.24 | -0.03 | 80.29 | 80.26 | 80.25 |
| AT-6 | 6-6-07 | 14:44 | 80.12 | -- | 29.93 | -- | -- | -- | 123.27 | 123.22 | -0.05 | 123.29 | 123.25 | 123.25 |
| AT-7 | 6-7-07 | 14:41 | 78.38 | -- | 38.55 | -- | -- | -- | 83.27 | 83.21 | -0.06 | 83.24 | 83.26 | 83.24 |
| AT-8 | 6-7-07 | 15:14 | 77.10 | -- | 43.78 | -- | -- | -- | 77.42 | 77.34 | -0.08 | 77.40 | 77.42 | 77.45 |
| AT-9 | 6-6-07 | 14:30 | 78.94 | -- | 33.86 | -- | -- | -- | 80.29 | 80.28 | -0.01 | 80.32 | 80.29 | 80.21 |
| AT-10 | 6-7-07 | 15:26 | 80.10 | -- | 38.08 | -- | -- | -- | 87.22 | 87.22 | 0.00 | 87.27 | 87.29 | 87.28 |

TOC - Top of Casing
-- - No layer detected
* - Unable to remove pump. Well replaced.
NM - Not Measured
NA - Not Applicable

# TABLE 3
# TOTAL WELL DEPTH/IMMISCIBLE LAYER SURVEY
# 2007 SEMI-ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC. LAD010395127-P
# CAMERON-COLE, LLC

| WELL | DATE/TIME | SURVEYED TOP OF CASING (CH BTR Plant Datum Elevations) | DEPTH TO LNAPL (ft. below TOC) | DEPTH TO WATER (ft. below TOC) | LNAPL PRODUCT THICKNESS (ft.) | DEPTH TO DNAPL (ft.) | DNAPL PRODUCT THICKNESS (ft.) | CONSTRUCTED WELL DEPTH (ft. below TOC) | 2007 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2007 MEASURED - CONSTRUCTED DEPTH (Negative number means loss of depth) | 2005 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2003 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2001 MEASURED WELL DEPTH (Depths measured below TOC reference point) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AT-11 | 6-7-07 15:05 | 77.55 | -- | 43.09 | -- | -- | -- | 84.27 | 84.21 | -0.06 | 84.25 | 84.26 | 84.25 |
| AT-12* | | 78.29 | -- | | Plugged and Abandoned 2006. | | | | NM | | NM | NM | NM |
| AT-13 | 6-7-07 13:35 | 78.30 | -- | 46.72 | -- | -- | -- | 83.40 | 83.39 | -0.01 | 83.33 | 83.31 | 83.36 |
| AT-14 | 6-7-07 13:40 | 78.41 | -- | 46.51 | -- | -- | -- | 85.37 | 85.32 | -0.05 | 85.41 | 85.43 | 85.41 |
| AT-15 | 6-7-07 13:06 | 79.32 | -- | 48.05 | -- | -- | -- | 84.13 | 84.04 | -0.09 | 84.10 | 84.13 | 84.13 |
| AT-16 | 6-7-07 13:01 | 78.73 | -- | 48.93 | -- | -- | -- | 80.58 | 80.36 | -0.22 | 80.42 | 80.43 | 80.41 |
| AT-17 | 6-27-07 9:38 | 78.77 | -- | 49.52 | -- | -- | -- | 81.57 | 81.56 | -0.01 | 81.58 | 81.52 | 81.55 |
| AT-18 | 6-27-07 10:00 | 79.54 | -- | 20.72 | -- | -- | -- | 65.07 | 64.96 | -0.11 | 65.01 | 64.99 | 64.98 |
| AT-19 | 6-27-07 10:08 | 79.51 | -- | 29.57 | -- | -- | -- | 51.88 | 51.82 | -0.06 | 51.85 | 51.84 | 51.83 |
| AT-20 | 6-27-07 10:27 | 79.80 | -- | 31.85 | -- | -- | -- | 53.79 | 53.77 | -0.02 | 53.80 | 53.81 | 53.80 |
| AT-21 | 6-6-07 15:05 | 80.47 | -- | 36.97 | -- | -- | -- | 85.45 | 85.31 | -0.14 | 85.35 | 85.37 | 85.36 |
| AT-22 | 6-6-07 15:07 | 80.40 | -- | 36.90 | -- | -- | -- | 100.90 | 100.82 | -0.08 | 100.88 | 100.89 | 100.88 |
| AT-23 | 6-6-07 15:09 | 80.32 | -- | 36.46 | -- | -- | -- | 113.91 | 113.80 | -0.11 | 113.83 | 113.82 | 113.81 |
| AT-24 | 6-6-07 14:57 | 80.89 | -- | 38.37 | -- | -- | -- | 84.20 | 84.08 | -0.12 | 84.11 | 84.13 | 84.13 |
| AT-25 | 6-6-07 14:59 | 80.86 | -- | 38.59 | -- | -- | -- | 96.61 | 96.52 | -0.09 | 96.56 | 96.58 | 96.57 |
| AT-26 | 6-6-07 15:01 | 80.61 | -- | 38.10 | -- | -- | -- | 110.10 | 110.05 | -0.05 | 110.09 | 110.09 | 110.09 |
| AT-27 | 6-7-07 13:16 | 78.39 | -- | 47.77 | -- | -- | -- | 125.74 | 125.49 | -0.25 | 125.55 | 125.56 | 125.58 |
| AT-28 | 6-7-07 13:18 | 77.97 | -- | 47.42 | -- | -- | -- | 70.70 | 70.47 | -0.23 | 70.52 | 70.54 | 70.56 |
| AT-29 | 6-7-07 13:20 | 78.07 | -- | 47.46 | -- | -- | -- | 85.66 | 85.45 | -0.21 | 85.53 | 85.56 | 85.57 |
| AT-30 | 6-7-07 13:22 | 78.31 | -- | 47.75 | -- | -- | -- | 105.60 | 105.71 | 0.11 | 105.76 | 105.74 | 105.73 |
| AT-31 | 6-27-07 10:21 | 79.04 | -- | 27.34 | -- | -- | -- | 53.67 | 53.52 | -0.15 | 53.56 | 53.57 | 53.55 |
| AT-32 | 6-27-07 10:14 | 79.06 | -- | 28.91 | -- | -- | -- | 53.68 | 53.59 | -0.09 | 53.62 | 53.61 | 53.61 |
| AT-33 | 6-27-07 10:16 | 79.08 | -- | 30.06 | -- | -- | -- | 77.64 | 77.51 | -0.13 | 77.56 | 77.55 | 77.54 |
| AT-34 | 6-7-07 12:35 | 59.65 | -- | 30.34 | -- | -- | -- | 57.50 | 57.39 | -0.11 | 57.40 | 57.42 | 57.42 |
| AT-35 | 6-7-07 12:44 | 56.99 | -- | 25.72 | -- | -- | -- | 63.86 | 63.75 | -0.11 | 63.79 | 63.81 | 63.81 |
| AT-36 | 6-7-07 12:50 | 56.81 | -- | 27.81 | -- | -- | -- | 39.40 | 39.22 | -0.18 | 39.28 | 39.32 | 39.34 |
| AT-37 | 6-7-07 12:52 | 56.93 | -- | 29.18 | -- | -- | -- | 57.58 | 57.47 | -0.11 | 57.76 | 57.49 | 57.48 |

TOC - Top of Casing

-- - No layer detected

* - Unable to remove pump. Well replaced.

NM - Not Measured

NA - Not Applicable

# TABLE 3
# TOTAL WELL DEPTH/IMMISCIBLE LAYER SURVEY
# 2007 SEMI-ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC. LAD010395127-P
# CAMERON-COLE, LLC

| WELL | DATE/TIME | | SURVEYED TOP OF CASING (CH BTR Plant Datum Elevations) | DEPTH TO LNAPL (ft. below TOC) | DEPTH TO WATER (ft. below TOC) | LNAPL PRODUCT THICKNESS (ft.) | DEPTH TO DNAPL (ft.) | DNAPL PRODUCT THICKNESS (ft.) | CONSTRUCTED WELL DEPTH (ft. below TOC) | 2007 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2007 MEASURED - CONSTRUCTED DEPTH (Negative number means loss of depth) | 2005 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2003 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2001 MEASURED WELL DEPTH (Depths measured below TOC reference point) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OB-21A | 6-18-07 | 8:51 | 81.47 | -- | 33.61 | -- | -- | -- | 40.34 | 40.30 | -0.04 | 40.30 | 40.33 | 40.33 |
| OB-21B | 6-18-07 | 8:53 | 81.95 | -- | 34.59 | -- | -- | -- | 109.31 | 109.29 | -0.02 | 109.31 | 109.34 | 109.33 |
| OB-22 | 6-18-07 | 8:31 | 82.95 | -- | 28.92 | -- | -- | -- | 44.03 | 44.03 | 0.00 | 44.04 | 44.06 | 44.06 |
| OB-23 | 6-18-07 | 11:24 | 81.35 | -- | 24.32 | -- | -- | -- | 37.30 | 37.38 | 0.08 | 37.32 | 37.42 | 37.41 |
| OB-24 | 6-18-07 | 8:14 | 67.14 | -- | 19.37 | -- | -- | -- | 37.27 | 37.32 | 0.05 | 37.32 | 37.33 | 37.30 |
| OB-25A | 6-18-07 | 8:21 | 68.21 | -- | 15.78 | -- | -- | -- | 27.98 | 28.01 | 0.03 | 28.02 | 28.03 | 28.02 |
| OB-25B | 6-18-07 | 8:23 | 67.45 | -- | 15.41 | -- | -- | -- | 52.45 | 52.45 | 0.00 | 52.48 | 52.49 | 52.48 |
| OB-27 | 6-18-07 | 8:40 | 81.91 | -- | 34.98 | -- | -- | -- | 54.73 | 54.63 | -0.10 | 54.66 | 54.69 | 54.69 |
| OB-29 | 6-18-07 | 8:06 | 65.47 | -- | 17.60 | -- | -- | -- | 43.90 | 43.88 | -0.02 | 43.59 | 43.91 | 43.91 |
| OB-31 | 6-18-07 | 8:01 | 64.81 | -- | 19.78 | -- | -- | -- | 27.29 | 27.29 | 0.00 | 27.31 | 27.32 | 27.30 |
| P-21A | 6-18-07 | 8:55 | 82.57 | -- | 30.78 | -- | -- | -- | 31.16 | 31.17 | 0.01 | 31.19 | 31.19 | 31.18 |
| P-22A | 6-18-07 | 8:33 | 82.92 | -- | 28.88 | -- | -- | -- | 32.08 | 32.09 | 0.01 | 32.10 | 32.10 | 32.08 |
| P-23 | 6-5-07 | 16:10 | 83.69 | -- | 29.06 | -- | -- | -- | 65.38 | 65.43 | 0.05 | 65.51 | 65.46 | 65.46 |
| P-32 | 6-18-07 | 7:45 | 81.07 | -- | Dry | -- | -- | -- | 37.77 | 37.85 | 0.08 | 37.91 | 37.88 | 37.86 |
| P-35 | 6-6-07 | 14:46 | 80.77 | -- | 37.32 | -- | -- | -- | 38.53 | 38.52 | -0.01 | 38.58 | 38.55 | 38.48 |
| P-36 | 6-6-07 | 15:16 | 81.09 | -- | Dry | -- | -- | -- | 36.18 | 36.08 | -0.10 | 36.10 | 36.13 | 36.12 |
| P-45 | 6-18-07 | 13:35 | 91.62 | -- | 37.85 | -- | -- | -- | 65.43 | 65.49 | 0.06 | 65.55 | 65.52 | 65.51 |
| P-46 | 6-18-07 | 10:03 | 81.94 | -- | 22.38 | -- | -- | -- | 33.28 | 33.29 | 0.01 | 33.31 | 33.31 | 33.30 |
| P-47 | 6-18-07 | 11:12 | 76.80 | -- | 15.54 | -- | -- | -- | 27.06 | 27.08 | 0.02 | 27.09 | 27.09 | 27.08 |
| P-48 | 6-18-07 | 10:13 | 80.99 | -- | 10.08 | -- | -- | -- | 33.42 | 33.39 | -0.03 | 33.40 | 33.40 | 33.39 |
| P-48A | 6-18-07 | 10:15 | 80.83 | -- | 9.67 | -- | -- | -- | 15.02 | 15.04 | 0.02 | 15.04 | 15.05 | 15.05 |
| P-49 | 6-18-07 | 9:18 | 81.98 | -- | 11.73 | -- | -- | -- | 33.34 | 33.34 | 0.00 | 33.35 | 33.36 | 33.35 |
| P-49A | 6-18-07 | 9:20 | 81.71 | -- | 12.15 | -- | -- | -- | 15.06 | 15.08 | 0.02 | 15.08 | 15.09 | 15.08 |
| P-50 | 6-18-07 | 10:29 | 83.14 | -- | 20.22 | -- | -- | -- | 33.48 | 33.48 | 0.00 | 33.49 | 33.49 | 33.49 |
| P-51 | 6-18-07 | 10:35 | 78.80 | -- | 10.97 | -- | -- | -- | 33.32 | 33.66 | 0.34 | 33.67 | 33.68 | 33.67 |
| P-52 | 6-18-07 | 10:47 | 81.15 | -- | 11.50 | -- | -- | -- | 33.28 | 33.30 | 0.02 | 33.30 | 33.32 | 33.32 |
| P-53 | 6-18-07 | 11:02 | 79.28 | -- | 11.71 | -- | -- | -- | 28.56 | 28.58 | 0.02 | 28.58 | 28.58 | 28.56 |
| B-282 | 6-18-07 | 9:07 | 81.76 | -- | 20.49 | -- | -- | -- | 68.42 | 68.40 | -0.02 | 68.43 | 68.45 | 68.44 |

TOC - Top of Casing

--- - No layer detected

* - Unable to remove pump. Well replaced.

NM - Not Measured

NA - Not Applicable

# TABLE 3
# TOTAL WELL DEPTH/IMMISCIBLE LAYER SURVEY
# 2007 SEMI-ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC. LAD010395127-P
# CAMERON-COLE, LLC

| WELL | DATE/TIME | | SURVEYED TOP OF CASING (CH BTR Plant Datum Elevations) | DEPTH TO LNAPL (ft. below TOC) | DEPTH TO WATER (ft. below TOC) | LNAPL PRODUCT THICKNESS (ft.) | DEPTH TO DNAPL (ft.) | DNAPL PRODUCT THICKNESS (ft.) | CONSTRUCTED WELL DEPTH (ft. below TOC) | 2007 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2007 MEASURED - CONSTRUCTED DEPTH (Negative number means loss of depth) | 2005 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2003 MEASURED WELL DEPTH (Depths measured below TOC reference point) | 2001 MEASURED WELL DEPTH (Depths measured below TOC reference point) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXXONMOBIL (FORMERLY PAXON) MONITOR WELLS | | | | | | | | | | | | | | |
| SM-1 | 6-27-07 | 10:29 | 78.56 | -- | 30.51 | -- | -- | -- | 41.72 | 41.71 | -0.01 | 41.74 | 41.74 | 41.73 |
| SM-6 | 6-7-07 | 14:26 | 77.79 | -- | Dry | -- | -- | -- | 44.11 | 44.08 | -0.03 | 44.12 | 44.14 | 44.14 |
| SM-7 | 6-7-07 | 14:18 | 79.30 | -- | 35.89 | -- | -- | -- | 42.95 | 42.84 | -0.11 | 42.89 | 42.91 | 42.90 |
| SM-8 | 6-7-07 | 14:10 | 79.36 | -- | 34.52 | -- | -- | -- | 41.59 | 41.53 | -0.06 | 41.57 | 41.57 | 41.55 |
| SM-9 | 6-27-07 | 10:43 | 79.35 | -- | 31.67 | -- | -- | -- | 53.02 | 52.97 | -0.05 | 53.01 | 53.01 | 53.00 |
| SM-10 | 6-27-07 | 9:50 | 76.80 | -- | 9.59 | -- | -- | -- | 37.81 | 37.85 | 0.04 | 37.86 | 37.91 | 37.90 |
| DM-1 | 6-27-07 | 9:54 | 79.39 | -- | 18.50 | -- | -- | -- | 76.24 | 76.31 | 0.07 | 76.33 | 76.36 | 76.35 |
| DM-2 | 6-27-07 | 10:31 | 78.40 | -- | 30.93 | -- | -- | -- | 76.80 | 76.77 | -0.03 | 76.80 | 76.81 | 76.81 |
| DM-4 | 6-7-07 | 14:28 | 77.67 | -- | 41.34 | -- | -- | -- | 78.93 | 78.82 | -0.11 | 78.87 | 78.90 | 78.89 |
| DM-5 | 6-7-07 | 14:20 | 79.30 | -- | 39.29 | -- | -- | -- | 83.01 | 82.85 | -0.16 | 82.91 | 82.93 | 82.94 |
| DM-6 | 6-7-07 | 14:12 | 79.27 | -- | 36.57 | -- | -- | -- | 83.21 | 83.13 | -0.08 | 83.16 | 83.16 | 83.14 |
| LM-1 | 6-27-07 | 10:33 | 79.15 | -- | 28.62 | -- | -- | -- | 129.10 | 129.23 | 0.13 | 129.14 | 129.29 | 129.16 |
| LM-2 | 6-7-07 | 14:30 | 78.58 | -- | 47.24 | -- | -- | -- | 130.10 | 130.06 | -0.04 | 130.05 | 130.08 | 130.07 |
| REPLACEMENT MONITOR WELLS | | | | | | | | | | | | | | |
| 6B-2R | 6-6-07 | 13:02 | 80.95 | -- | 27.95 | -- | -- | -- | 96.97 | 96.84 | -0.13 | 96.96 | NA | NA |
| 6CR | 6-6-07 | 13:04 | 80.09 | -- | 27.89 | -- | -- | -- | 121.30 | 121.21 | -0.09 | 121.31 | NA | NA |
| AT-12R | 6-7-07 | 15:19 | 78.37 | -- | 45.82 | -- | -- | -- | 85.38 | 85.29 | -0.09 | 85.40 | NA | NA |

TOC - Top of Casing
--- - No layer detected
* - Unable to remove pump. Well replaced.
NM - Not Measured
NA - Not Applicable

# TABLE 4
# HORIZONTAL GROUNDWATER SEEPAGE VELOCITY CALCULATIONS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P
# CAMERON-COLE, LLC

| UNIT | NO. SLUG TESTS | AVERAGE HORIZONTAL HYDRAULIC CONDUCTIVITY (cm/s) $K_{avg}$ [1] | EFFECTIVE POROSITY $n_e$ | HORIZONTAL HYDRAULIC GRADIENT, i [2] (ft/ft) | HORIZONTAL GROUNDWATER SEEPAGE VELOCITY [3] 2007 (ft/yr) $V_{avg}$ | HORIZONTAL GROUNDWATER SEEPAGE VELOCITY [3] 2006 (ft/yr) $V_{avg}$ |
|---|---|---|---|---|---|---|
| 3 | 20 | 6.10E-04 | 0.20 | 0.0070 | 22 | 25 |
| 4 | 29 | 1.30E-03 | 0.20 | 0.0108 | 73 | 74 |
| 6 | 29 | 1.10E-03 | 0.20 | 0.0111 | 63 | 74 |
| 8 | 19 | 1.90E-03 | 0.20 | 0.0105 | 103 | 97 |

[1] Hydraulic conductivity values are the same as those reported in the RFI. No additional slug testing has been performed since 1995.

[2] Averaged values calculated from 2007 Potentiometric Contour Maps (i.e. i=+h/L - see Figures 8 through 15).

[3] Horizontal groundwater seepage velocity values are calculated from the equation $V=(1.035 \times 10^6)\ Ki/n$.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 01A | UNIT 3 | 1/8/2007 | Barium | 620 | |
| | | | | | |
| 01B | UNIT 4 | 1/8/2007 | Barium | 510 | |
| | | | | | |
| 01C | UNIT 8 | 1/8/2007 | Barium | 320 | |
| | | | | | |
| 02A | UNIT 3 | 1/8/2007 | Barium | 290 | |
| | | | | | |
| 03A | UNIT 3 | 1/10/2007 | Barium | 290 | L |
| " | " | 1/10/2007 | Methylene chloride | 0.34 | J |
| | | | | | |
| 03C | UNIT 8 | 1/10/2007 | Barium | 280 | L |
| " | " | 1/10/2007 | Methylene chloride | 0.4 | J |
| | | | | | |
| 04A | UNIT 3 | 6/4/2007 | Barium | 220 | |
| " | " | 6/4/2007 | Chlorobenzene | 130 | |
| " | " | 6/4/2007 | Benzene | 52 | |
| " | " | 6/4/2007 | Vinyl chloride | 31 | J |
| " | " | 6/4/2007 | Arsenic | 21 | |
| " | " | 6/4/2007 | 2,4,5-TP (Silvex) | 6.1 | COL |
| " | " | 6/4/2007 | Trichloroethene | 5 | J |
| " | " | 6/4/2007 | total 1,2-Dichloroethene | 4.4 | J |
| " | " | 6/4/2007 | 1,1-Dichloroethene | 3.6 | J |
| " | " | 6/4/2007 | Toluene | 3.5 | J |
| " | " | 6/4/2007 | Total Xylenes | 2.3 | J |
| " | " | 6/4/2007 | Ethylbenzene | 2.3 | J |
| " | " | 6/4/2007 | 1,1-Dichloroethane | 1.5 | J |
| " | " | 6/4/2007 | gamma-BHC (Lindane) | 0.018 | J COL |
| " | " | 8/23/2007 | Chlorobenzene | 190 | |
| " | " | 8/23/2007 | Benzene | 120 | |
| " | " | 8/23/2007 | Vinyl chloride | 50 | J |
| " | " | 8/23/2007 | Trichloroethene | 10 | J |
| " | " | 8/23/2007 | total 1,2-Dichloroethene | 9.1 | J |
| " | " | 8/23/2007 | Toluene | 6.4 | J |
| " | " | 8/23/2007 | 1,1-Dichloroethene | 6 | J |
| " | " | 8/23/2007 | 1,2-Dichloroethane | 5.6 | J |
| " | " | 8/23/2007 | Total Xylenes | 5.1 | J |
| " | " | 8/23/2007 | Ethylbenzene | 4.9 | J |
| " | " | 8/23/2007 | Methylene chloride | 3.5 | J B |
| " | " | 8/23/2007 | 1,1-Dichloroethane | 2.1 | J |
| | | | | | |
| 04B | UNIT 6 | 3/7/2007 | Barium | 1000 | |
| " | " | 3/7/2007 | 1,1,2-Trichloroethane | 11 | |
| " | " | 3/7/2007 | Trichloroethene | 5.9 | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 04B (cont.) | UNIT 6 (cont.) | 3/7/2007 | 2,4,5-TP (Silvex) | 3.5 | |
| " | " | 3/7/2007 | 1,2-Dichloroethane | 1.5 | J |
| " | " | 3/7/2007 | total 1,2-Dichloroethene | 1.2 | J |
| " | " | 3/7/2007 | 1,1-Dichloroethene | 0.77 | J |
| " | " | 3/7/2007 | Chlorobenzene | 0.73 | J |
| " | " | 3/7/2007 | Vinyl chloride | 0.67 | J |
| " | " | 3/7/2007 | Methylene chloride | 0.44 | J B |
| " | " | 3/7/2007 | 1,2-Dichloropropane | 0.28 | J |
| " | " | 8/23/2007 | Trichloroethene | 5.9 | |
| " | " | 8/23/2007 | 1,1,2-Trichloroethane | 5.8 | |
| " | " | 8/23/2007 | 2,4,5-TP (Silvex) | 2.6 | |
| " | " | 8/23/2007 | Acetone | 2 | J B |
| " | " | 8/23/2007 | 1,2-Dichloroethane | 1.2 | J |
| " | " | 8/23/2007 | total 1,2-Dichloroethene | 0.78 | J |
| " | " | 8/23/2007 | Chlorobenzene | 0.54 | J |
| " | " | 8/23/2007 | Vinyl chloride | 0.54 | J |
| " | " | 8/23/2007 | 1,1-Dichloroethene | 0.43 | J |
| " | " | 8/23/2007 | 1,2-Dichloropropane | 0.25 | J |
| | | | | | |
| 04B-1 | UNIT 4 | 3/13/2007 | 1,1,2-Trichloroethane | 11000 | |
| " | " | 3/13/2007 | 1,1-Dichloroethene | 710 | J |
| " | " | 3/13/2007 | Chlorobenzene | 220 | J |
| " | " | 3/13/2007 | Barium | 140 | |
| " | " | 3/13/2007 | Nickel | 120 | |
| " | " | 3/13/2007 | 1,2-Dichloroethane | 120 | J |
| " | " | 3/13/2007 | Vinyl chloride | 110 | J |
| " | " | 3/13/2007 | Trichloroethene | 92 | J |
| " | " | 3/13/2007 | 2,4,5-TP (Silvex) | 36 | |
| " | " | 3/13/2007 | 2,4,5-TP (Silvex) | 34 | |
| " | " | 3/13/2007 | Chromium | 20 | |
| " | " | 3/13/2007 | Atrazine | 1.5 | J |
| " | " | 3/13/2007 | delta-BHC | 0.017 | J COL |
| " | " | 3/13/2007 | 4,4'-DDD | 0.0082 | J COL |
| " | " | 8/28/2007 | 1,1,2-Trichloroethane | 4400 | |
| " | " | 8/28/2007 | 1,1-Dichloroethene | 610 | |
| " | " | 8/28/2007 | Acetone | 260 | J |
| " | " | 8/28/2007 | 1,2-Dichloroethane | 120 | J |
| " | " | 8/28/2007 | Chlorobenzene | 120 | J |
| " | " | 8/28/2007 | Vinyl chloride | 86 | J |
| " | " | 8/28/2007 | Trichloroethene | 77 | J |
| " | " | 8/28/2007 | 2,4,5-TP (Silvex) | 38 | |
| | | | | | |
| 04B-2 | UNIT 6 | 1/29/2007 | Barium | 830 | L |
| " | " | 1/29/2007 | Acetone | 2.1 | J B |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 04B-2 (cont.) | UNIT 6 (cont.) | 1/29/2007 | Trichloroethene | 0.94 | J |
| " | " | 7/23/2007 | Trichloroethene | 1 | J |
| | | | | | |
| 04CL | UNIT 8 | 1/29/2007 | Barium | 390 | L |
| " | " | 1/29/2007 | Acetone | 2.4 | J B |
| | | | | | |
| 04CU | UNIT 8 | 1/29/2007 | Barium | 170 | L |
| | | | | | |
| 05A | UNIT 4 | 5/15/2007 | Chlorobenzene | 2.4 | J |
| " | " | 5/15/2007 | 1,2-Dichloroethane | 2.3 | J |
| " | " | 5/15/2007 | Benzene | 1.6 | J |
| " | " | 5/15/2007 | Total Xylenes | 0.57 | J |
| " | " | 5/15/2007 | Trichloroethene | 0.43 | J |
| " | " | 5/15/2007 | Tetrachloroethene | 0.24 | J |
| | | | | | |
| 05AR | UNIT 3 | 3/5/2007 | Barium | 190 | |
| " | " | 3/5/2007 | Nickel | 100 | |
| " | " | 3/5/2007 | Chlorobenzene | 0.48 | J |
| " | " | 3/5/2007 | Heptachlor epoxide | 0.035 | J COL |
| " | " | 3/5/2007 | alpha-BHC | 0.0056 | J COL |
| " | " | 8/21/2007 | Chlorobenzene | 0.31 | J |
| | | | | | |
| 05B | UNIT 4 | 3/5/2007 | Barium | 960 | |
| " | " | 3/5/2007 | Chlorobenzene | 110 | |
| " | " | 3/5/2007 | Benzene | 97 | |
| " | " | 3/5/2007 | 1,2-Dichloroethane | 91 | |
| " | " | 3/5/2007 | 1,2,4-Trichlorobenzene | 35 | |
| " | " | 3/5/2007 | Naphthalene | 15 | |
| " | " | 3/5/2007 | 2,4,5-TP (Silvex) | 12 | |
| " | " | 3/5/2007 | Trichloroethene | 8.7 | J |
| " | " | 3/5/2007 | Tetrachloroethene | 8.5 | J |
| " | " | 3/5/2007 | 1,1,2-Trichloroethane | 7.5 | J |
| " | " | 3/5/2007 | 1,2-Dichlorobenzene | 6.5 | J |
| " | " | 3/5/2007 | Total Xylenes | 6.2 | J |
| " | " | 3/5/2007 | 4-Chloroaniline | 5.5 | J |
| " | " | 3/5/2007 | 1,4-Dichlorobenzene | 5.3 | J |
| " | " | 3/5/2007 | Chloroform | 4.4 | J |
| " | " | 3/5/2007 | o,o,o-Triethylphosphorothioate | 4.3 | J |
| " | " | 3/5/2007 | 1,1-Dichloroethene | 4.2 | J |
| " | " | 3/5/2007 | 2,4-Dichlorophenol | 3.3 | J |
| " | " | 3/5/2007 | Vinyl chloride | 2.4 | J |
| " | " | 3/5/2007 | Methylene chloride | 1.6 | J |
| " | " | 3/5/2007 | 1,1-Dichloroethane | 1.5 | J |
| " | " | 3/5/2007 | 1,2-Dichloropropane | 1.5 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 05B (cont.) | UNIT 4 (cont.) | 3/5/2007 | 2,6-Dichlorophenol | 1.1 | J |
| " | " | 3/5/2007 | Toluene | 1 | J |
| " | " | 3/5/2007 | 4,4'-DDT | 0.024 | J COL |
| " | " | 3/5/2007 | Endrin | 0.009 | J COL |
| " | " | 8/21/2007 | 1,2-Dichloroethane | 86 | |
| " | " | 8/21/2007 | Chlorobenzene | 78 | |
| " | " | 8/21/2007 | Benzene | 72 | |
| " | " | 8/21/2007 | 1,2,4-Trichlorobenzene | 36 | |
| " | " | 8/21/2007 | Acetone | 30 | J B |
| " | " | 8/21/2007 | Naphthalene | 14 | |
| " | " | 8/21/2007 | 2,4,5-TP (Silvex) | 11 | COL |
| " | " | 8/21/2007 | 4-Chloroaniline | 7.1 | J |
| " | " | 8/21/2007 | 1,2-Dichlorobenzene | 6.8 | J |
| " | " | 8/21/2007 | Trichloroethene | 6.7 | J |
| " | " | 8/21/2007 | 1,1,2-Trichloroethane | 6.1 | J |
| " | " | 8/21/2007 | Tetrachloroethene | 5.5 | J |
| " | " | 8/21/2007 | Total Xylenes | 5.5 | J |
| " | " | 8/21/2007 | 1,4-Dichlorobenzene | 5.3 | J |
| " | " | 8/21/2007 | o,o,o-Triethylphosphorothioate | 4.3 | J |
| " | " | 8/21/2007 | 2,4-Dichlorophenol | 4.1 | J |
| " | " | 8/21/2007 | Methylene chloride | 4.1 | J |
| " | " | 8/21/2007 | 1,1-Dichloroethene | 4 | J |
| " | " | 8/21/2007 | Chloroform | 3.8 | J |
| " | " | 8/21/2007 | Vinyl chloride | 2.8 | J |
| " | " | 8/21/2007 | Nitrobenzene | 2.5 | J |
| " | " | 8/21/2007 | Bis(2-ethylhexyl) phthalate | 2.1 | J |
| " | " | 8/21/2007 | 1,2-Dichloropropane | 1.8 | J |
| " | " | 8/21/2007 | 2-Methylnaphthalene | 1.5 | J |
| " | " | 8/21/2007 | 2,6-Dichlorophenol | 1.3 | J |
| " | " | 8/21/2007 | Phenanthrene | 1.3 | J |
| " | " | 8/21/2007 | 2,4,5-Trichlorophenol | 1.2 | J |
| " | " | 8/21/2007 | 2,4-Dichlorophenoxy acetic acid | 1.2 | COL |
| " | " | 8/21/2007 | 2,4,5-T | 0.54 | COL |
| | | | | | |
| 05B-1 | UNIT 4 | 1/16/2007 | Benzene | 1800 | |
| " | " | 1/16/2007 | 1,2-Dichloroethane | 1000 | |
| " | " | 1/16/2007 | Barium | 810 | |
| " | " | 1/16/2007 | Chlorobenzene | 700 | |
| " | " | 1/16/2007 | 4-Chloroaniline | 420 | |
| " | " | 1/16/2007 | 1,2,4-Trichlorobenzene | 350 | |
| " | " | 1/16/2007 | Naphthalene | 230 | |
| " | " | 1/16/2007 | 2,4-Dichlorophenol | 190 | |
| " | " | 1/16/2007 | Total Xylenes | 140 | J |
| " | " | 1/16/2007 | o,o,o-Triethylphosphorothioate | 120 | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 05B-1 (cont.) | UNIT 4 (cont.) | 1/16/2007 | Nitrobenzene | 86 | |
| " | " | 1/16/2007 | Tetrachloroethene | 66 | J |
| " | " | 1/16/2007 | 1,2-Dichlorobenzene | 59 | |
| " | " | 1/16/2007 | Toluene | 53 | J |
| " | " | 1/16/2007 | Chloroform | 50 | J |
| " | " | 1/16/2007 | 1,1,2-Trichloroethane | 37 | J |
| " | " | 1/16/2007 | Ethylbenzene | 36 | J |
| " | " | 1/16/2007 | 2-Methylnaphthalene | 35 | J |
| " | " | 1/16/2007 | 2,4-Dichlorophenoxy acetic acid | 21 | COL |
| " | " | 1/16/2007 | Trichloroethene | 20 | J |
| " | " | 1/16/2007 | 1,1-Dichloroethene | 19 | J |
| " | " | 1/16/2007 | Vinyl chloride | 18 | J |
| " | " | 1/16/2007 | 2,4,5-T | 16 | |
| " | " | 1/16/2007 | 2,4,5-TP (Silvex) | 14 | |
| " | " | 1/16/2007 | 1,4-Dichlorobenzene | 14 | J |
| " | " | 1/16/2007 | 1,2-Dichloropropane | 14 | J |
| " | " | 1/16/2007 | 2-Chlorophenol | 9.3 | J |
| " | " | 1/16/2007 | Endosulfan sulfate | 0.074 | J |
| " | " | 1/16/2007 | delta-BHC | 0.056 | COL |
| " | " | 1/16/2007 | Aldrin | 0.0094 | J |
| " | " | 8/7/2007 | Benzene | 1900 | |
| " | " | 8/7/2007 | 1,2-Dichloroethane | 940 | |
| " | " | 8/7/2007 | Chlorobenzene | 740 | |
| " | " | 8/7/2007 | 1,2,4-Trichlorobenzene | 380 | |
| " | " | 8/7/2007 | Naphthalene | 210 | |
| " | " | 8/7/2007 | Total Xylenes | 190 | J |
| " | " | 8/7/2007 | o,o,o-Triethylphosphorothioate | 150 | |
| " | " | 8/7/2007 | 4-Chloroaniline | 120 | J |
| " | " | 8/7/2007 | Tetrachloroethene | 99 | J |
| " | " | 8/7/2007 | Nitrobenzene | 88 | J |
| " | " | 8/7/2007 | Toluene | 63 | J |
| " | " | 8/7/2007 | 1,2-Dichlorobenzene | 56 | J |
| " | " | 8/7/2007 | Chloroform | 53 | J |
| " | " | 8/7/2007 | Ethylbenzene | 48 | J |
| " | " | 8/7/2007 | 2-Methylnaphthalene | 36 | J |
| " | " | 8/7/2007 | 1,1,2-Trichloroethane | 32 | J |
| " | " | 8/7/2007 | 1,1-Dichloroethene | 28 | J |
| " | " | 8/7/2007 | Trichloroethene | 27 | J |
| " | " | 8/7/2007 | Vinyl chloride | 22 | J |
| " | " | 8/7/2007 | 2,4-Dichlorophenoxy acetic acid | 17 | |
| " | " | 8/7/2007 | 2,4,5-TP (Silvex) | 16 | COL |
| " | " | 8/7/2007 | 2,4,5-T | 15 | |
| " | " | 8/7/2007 | 2,4,5-Trichlorophenol | 14 | J |
| " | " | 8/7/2007 | 1,4-Dichlorobenzene | 13 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 05B-1 (cont.) | UNIT 4 (cont.) | 8/7/2007 | 1,2-Dichloropropane | 13 | J |
| " | " | 8/7/2007 | 2-Chlorophenol | 10 | J |
| " | " | 8/7/2007 | Isodrin | 0.11 | COL |
| " | " | 8/7/2007 | Endrin aldehyde | 0.083 | J |
| | | | | | |
| 05B-2 | UNIT 6 | 3/5/2007 | Barium | 540 | |
| " | " | 3/5/2007 | Carbon tetrachloride | 450 | |
| " | " | 3/5/2007 | Chloroform | 200 | |
| " | " | 3/5/2007 | Benzene | 83 | J |
| " | " | 3/5/2007 | Chlorobenzene | 42 | J |
| " | " | 3/5/2007 | 2,4-Dichlorophenol | 37 | |
| " | " | 3/5/2007 | 1,2-Dichloroethane | 34 | J |
| " | " | 3/5/2007 | Methylene chloride | 19 | J |
| " | " | 3/5/2007 | 4-Chloroaniline | 17 | J |
| " | " | 3/5/2007 | Carbon disulfide | 12 | J |
| " | " | 3/5/2007 | 1,2,4-Trichlorobenzene | 11 | |
| " | " | 3/5/2007 | o,o,o-Triethylphosphorothioate | 8.1 | J |
| " | " | 3/5/2007 | Naphthalene | 2.4 | J |
| " | " | 3/5/2007 | 1,2-Dichlorobenzene | 1.9 | J |
| " | " | 3/5/2007 | 2,4,5-T | 0.99 | |
| " | " | 3/5/2007 | 2,4,5-TP (Silvex) | 0.58 | |
| " | " | 3/5/2007 | delta-BHC | 0.013 | J |
| " | " | 3/5/2007 | Heptachlor | 0.01 | J |
| " | " | 3/5/2007 | Heptachlor epoxide | 0.01 | J |
| " | " | 8/21/2007 | Carbon tetrachloride | 530 | |
| " | " | 8/21/2007 | Chloroform | 230 | |
| " | " | 8/21/2007 | Benzene | 65 | J |
| " | " | 8/21/2007 | Acetone | 52 | J B |
| " | " | 8/21/2007 | 1,2-Dichloroethane | 36 | J |
| " | " | 8/21/2007 | Chlorobenzene | 34 | J |
| " | " | 8/21/2007 | 2,4-Dichlorophenol | 27 | |
| " | " | 8/21/2007 | Methylene chloride | 26 | J |
| " | " | 8/21/2007 | 4-Chloroaniline | 20 | |
| " | " | 8/21/2007 | 1,2,4-Trichlorobenzene | 11 | |
| " | " | 8/21/2007 | o,o,o-Triethylphosphorothioate | 6.4 | J |
| " | " | 8/21/2007 | Nitrobenzene | 3.4 | J |
| " | " | 8/21/2007 | Naphthalene | 2.4 | J |
| " | " | 8/21/2007 | 1,2-Dichlorobenzene | 1.8 | J |
| | | | | | |
| 05C | UNIT 8 | 1/16/2007 | Barium | 540 | |
| " | " | 1/16/2007 | Bis(2-ethylhexyl) phthalate | 6.8 | J |
| | | | | | |
| 05CU | UNIT 8 | 1/22/2007 | Barium | 420 | |
| " | " | 1/22/2007 | 1,2-Dichloropropane | 0.31 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 05CU (cont.) | UNIT 8 (cont.) | 1/22/2007 | 1,1-Dichloroethane | 0.19 | J |
| " | " | 7/12/2007 | 1,2-Dichloropropane | 0.31 | J |
| " | " | 7/12/2007 | 1,1-Dichloroethane | 0.2 | J |
| | | | | | |
| 06A | UNIT 3 | 2/5/2007 | Chlorobenzene | 470 | |
| " | " | 2/5/2007 | Barium | 350 | |
| " | " | 2/5/2007 | Acetone | 37 | J B |
| " | " | 2/5/2007 | Nitrobenzene | 22 | |
| " | " | 2/5/2007 | 1,2-Dichloropropane | 22 | J |
| " | " | 2/5/2007 | 1,2-Dichloroethane | 22 | J |
| " | " | 2/5/2007 | 1,2-Dichlorobenzene | 11 | |
| " | " | 2/5/2007 | Methylene chloride | 5.2 | J B |
| " | " | 2/5/2007 | Trichloroethene | 5.1 | J |
| " | " | 2/5/2007 | Tetrachloroethene | 3.5 | J |
| " | " | 2/5/2007 | 1,4-Dichlorobenzene | 3.3 | J |
| " | " | 2/5/2007 | 1,2,4-Trichlorobenzene | 2.8 | J |
| " | " | 2/5/2007 | 1,1-Dichloroethene | 2.2 | J |
| " | " | 2/5/2007 | 2-Chlorophenol | 1.7 | J |
| " | " | 2/5/2007 | 2,4-Dichlorophenoxy acetic acid | 0.65 | J COL |
| " | " | 2/5/2007 | gamma-BHC (Lindane) | 0.042 | J COL |
| " | " | 2/5/2007 | alpha-BHC | 0.018 | J COL |
| " | " | 8/2/2007 | Chlorobenzene | 470 | |
| " | " | 8/2/2007 | 1,2-Dichloropropane | 23 | J |
| " | " | 8/2/2007 | 1,2-Dichloroethane | 21 | J |
| " | " | 8/2/2007 | Nitrobenzene | 16 | |
| " | " | 8/2/2007 | 1,2-Dichlorobenzene | 8.2 | J |
| " | " | 8/2/2007 | Trichloroethene | 5.7 | J |
| " | " | 8/2/2007 | Tetrachloroethene | 4 | J |
| " | " | 8/2/2007 | 1,2,4-Trichlorobenzene | 3 | J |
| " | " | 8/2/2007 | 1,4-Dichlorobenzene | 2.5 | J |
| " | " | 8/2/2007 | Aniline | 2.2 | J |
| " | " | 8/2/2007 | 2,4,5-TP (Silvex) | 2.1 | COL |
| " | " | 8/2/2007 | Diethyl phthalate | 1.1 | J |
| | | | | | |
| 06B | UNIT 4 | 2/5/2007 | Barium | 510 | |
| " | " | 2/5/2007 | Chlorobenzene | 140 | |
| " | " | 2/5/2007 | 1,2-Dichloropropane | 13 | J |
| " | " | 2/5/2007 | 1,2-Dichloroethane | 10 | J |
| " | " | 2/5/2007 | 1,2-Dichlorobenzene | 3.9 | J |
| " | " | 2/5/2007 | Methylene chloride | 3 | J B |
| " | " | 2/5/2007 | Trichloroethene | 2.5 | J |
| " | " | 2/5/2007 | 1,2,4-Trichlorobenzene | 1.9 | J |
| " | " | 2/5/2007 | total 1,2-Dichloroethene | 1.9 | J |
| " | " | 2/5/2007 | 1,1,2-Trichloroethane | 1.8 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 06B (cont.) | UNIT 4 (cont.) | 2/5/2007 | 1,1-Dichloroethene | 1.2 | J |
| " | " | 2/5/2007 | 1,1-Dichloroethane | 1.1 | J |
| " | " | 2/5/2007 | Chloroform | 1 | J |
| " | " | 2/5/2007 | 2,4-Dichlorophenoxy acetic acid | 0.23 | J COL |
| " | " | 2/5/2007 | gamma-BHC (Lindane) | 0.036 | J |
| " | " | 2/5/2007 | delta-BHC | 0.011 | J COL |
| " | " | 2/5/2007 | alpha-BHC | 0.0093 | J |
| " | " | 8/2/2007 | Chlorobenzene | 160 | |
| " | " | 8/2/2007 | 1,2-Dichloropropane | 12 | J |
| " | " | 8/2/2007 | 1,2-Dichloroethane | 10 | J |
| " | " | 8/2/2007 | Trichloroethene | 2.6 | J |
| " | " | 8/2/2007 | 2,4,5-TP (Silvex) | 1.3 | COL |
| " | " | 8/2/2007 | total 1,2-Dichloroethene | 1.3 | J |
| " | " | 8/2/2007 | 1,1-Dichloroethene | 1.3 | J |
| | | | | | |
| 06B-2R | UNIT 8 | 2/5/2007 | Barium | 730 | |
| | | | | | |
| 06BR | UNIT 6 | 2/1/2007 | Barium | 560 | |
| " | " | 2/1/2007 | Chlorobenzene | 48 | |
| " | " | 2/1/2007 | 1,2,4-Trichlorobenzene | 4.6 | J |
| " | " | 2/1/2007 | Trichloroethene | 4.4 | J |
| " | " | 2/1/2007 | 1,1,2-Trichloroethane | 3 | J |
| " | " | 2/1/2007 | 1,4-Dichlorobenzene | 2.9 | J |
| " | " | 2/1/2007 | 1,2-Dichloroethane | 2.5 | J |
| " | " | 2/1/2007 | 1,2-Dichloropropane | 1.9 | J |
| " | " | 2/1/2007 | Trichlorofluoromethane | 1.5 | J |
| " | " | 2/1/2007 | Benzene | 1.4 | J |
| " | " | 2/1/2007 | Chloroform | 1.3 | J |
| " | " | 2/1/2007 | Carbon tetrachloride | 0.78 | J |
| " | " | 2/1/2007 | 2,4,5-TP (Silvex) | 0.71 | |
| " | " | 2/1/2007 | 1,1-Dichloroethane | 0.62 | J |
| " | " | 2/1/2007 | 1,1-Dichloroethene | 0.37 | J |
| " | " | 2/1/2007 | Tetrachloroethene | 0.31 | J |
| " | " | 2/1/2007 | total 1,2-Dichloroethene | 0.28 | J |
| " | " | 8/7/2007 | Chlorobenzene | 55 | |
| " | " | 8/7/2007 | Trichloroethene | 6.7 | |
| " | " | 8/7/2007 | 1,1,2-Trichloroethane | 3 | J |
| " | " | 8/7/2007 | 1,2-Dichloroethane | 2.6 | J |
| " | " | 8/7/2007 | 1,2-Dichloropropane | 2.4 | J |
| " | " | 8/7/2007 | Benzene | 1.8 | J |
| " | " | 8/7/2007 | Chloroform | 1.7 | J |
| " | " | 8/7/2007 | Trichlorofluoromethane | 1.6 | J |
| " | " | 8/7/2007 | Carbon tetrachloride | 0.95 | J |
| " | " | 8/7/2007 | 1,1-Dichloroethane | 0.72 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 06BR (cont.) | UNIT 6 (cont.) | 8/7/2007 | 1,1-Dichloroethene | 0.56 | J |
| " | " | 8/7/2007 | total 1,2-Dichloroethene | 0.52 | J |
| " | " | 8/7/2007 | 2,4,5-TP (Silvex) | 0.51 | COL |
| " | " | 8/7/2007 | Tetrachloroethene | 0.41 | J |
| " | " | 8/7/2007 | Total Xylenes | 0.33 | J |
| | | | | | |
| 06CR | Unit 8 | 2/5/2007 | Barium | 500 | |
| " | " | 2/5/2007 | Zinc | 41 | |
| | | | | | |
| 07A | UNIT 3 | 3/1/2007 | Chlorobenzene | 270 | |
| " | " | 3/1/2007 | total 1,2-Dichloroethene | 43 | |
| " | " | 3/1/2007 | Benzene | 39 | J |
| " | " | 3/1/2007 | Methylene chloride | 5.7 | J B |
| " | " | 3/1/2007 | Vinyl chloride | 4 | J |
| " | " | 3/1/2007 | 1,1-Dichloroethane | 3.9 | J |
| " | " | 3/1/2007 | 1,2-Dichloropropane | 2.9 | J |
| " | " | 3/1/2007 | Trichloroethene | 2.3 | J |
| " | " | 3/1/2007 | Toluene | 1.8 | J |
| " | " | 3/1/2007 | Ethylbenzene | 1.4 | J |
| " | " | 8/20/2007 | Chlorobenzene | 390 | |
| " | " | 8/20/2007 | total 1,2-Dichloroethene | 55 | |
| " | " | 8/20/2007 | Benzene | 39 | J |
| " | " | 8/20/2007 | Vinyl chloride | 6.4 | J |
| " | " | 8/20/2007 | 1,1-Dichloroethane | 4.4 | J |
| " | " | 8/20/2007 | Toluene | 2.1 | J |
| | | | | | |
| 07B | UNIT 4 | 3/1/2007 | Barium | 3400 | L |
| " | " | 3/1/2007 | 4-Chloroaniline | 1500 | |
| " | " | 3/1/2007 | Benzene | 490 | |
| " | " | 3/1/2007 | Chlorobenzene | 350 | |
| " | " | 3/1/2007 | Ethylbenzene | 310 | |
| " | " | 3/1/2007 | Arsenic | 210 | |
| " | " | 3/1/2007 | Cobalt | 150 | |
| " | " | 3/1/2007 | o-Toluidine | 150 | |
| " | " | 3/1/2007 | Nickel | 74 | |
| " | " | 3/1/2007 | 2,4-Dimethylphenol | 40 | J |
| " | " | 3/1/2007 | 1,4-Dichlorobenzene | 22 | J |
| " | " | 3/1/2007 | Total Xylenes | 11 | J |
| " | " | 3/1/2007 | Chloroethane | 11 | J |
| " | " | 3/1/2007 | Toluene | 8.8 | J |
| " | " | 3/1/2007 | total 1,2-Dichloroethene | 7.7 | J |
| " | " | 3/1/2007 | Methylene chloride | 6.6 | J B |
| " | " | 3/1/2007 | 1,1-Dichloroethane | 2.1 | J |
| | " | 3/1/2007 | 2,4,5-TP (Silvex) | 1.6 | COL |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 07B (cont.) | UNIT 4 (cont.) | 3/1/2007 | delta-BHC | 0.074 | COL |
| " | " | 3/1/2007 | Methoxychlor | 0.025 | J COL |
| " | " | 3/1/2007 | Alpha-Endosulfan | 0.014 | J |
| " | " | 3/1/2007 | alpha-BHC | 0.0081 | J |
| " | " | 8/20/2007 | 4-Chloroaniline | 1300 | |
| " | " | 8/20/2007 | Benzene | 540 | |
| " | " | 8/20/2007 | Chlorobenzene | 470 | |
| " | " | 8/20/2007 | Ethylbenzene | 370 | |
| " | " | 8/20/2007 | 2,4-Dinitrophenol | 220 | J |
| " | " | 8/20/2007 | o-Toluidine | 140 | |
| " | " | 8/20/2007 | Benzo(k)fluoranthene | 42 | J |
| " | " | 8/20/2007 | 1,4-Dichlorobenzene | 26 | J |
| " | " | 8/20/2007 | 1,2-Dichloroethane | 24 | J |
| " | " | 8/20/2007 | 2,4-Dichlorophenoxy acetic acid | 19 | COL |
| " | " | 8/20/2007 | Bis(2-ethylhexyl) phthalate | 18 | J |
| " | " | 8/20/2007 | 2,4-Dimethylphenol | 16 | J |
| " | " | 8/20/2007 | Naphthalene | 15 | J |
| " | " | 8/20/2007 | Chloroethane | 15 | J |
| " | " | 8/20/2007 | 1,3-Dichlorobenzene | 14 | J |
| " | " | 8/20/2007 | Total Xylenes | 10 | J |
| " | " | 8/20/2007 | Toluene | 9.4 | J |
| " | " | 8/20/2007 | total 1,2-Dichloroethene | 7.2 | J |
| " | " | 8/20/2007 | Methylene chloride | 4.1 | J |
| " | " | 8/20/2007 | 2,4,5-TP (Silvex) | 2.5 | |
| " | " | 8/20/2007 | 2,4,5-T | 2.2 | COL |
| " | " | 8/20/2007 | delta-BHC | 0.14 | |
| " | " | 8/20/2007 | beta-Endosulfan | 0.1 | |
| " | " | 8/20/2007 | beta-BHC | 0.067 | COL |
| " | " | 8/20/2007 | Endrin aldehyde | 0.066 | J COL |
| " | " | 8/20/2007 | gamma-BHC (Lindane) | 0.047 | J |
| " | " | 8/20/2007 | Dieldrin | 0.044 | J COL |
| " | " | 8/20/2007 | alpha-BHC | 0.041 | J |
| " | " | 8/20/2007 | Isodrin | 0.04 | J COL |
| " | " | 8/20/2007 | 4,4'-DDT | 0.027 | J COL |
| " | " | 8/20/2007 | Aldrin | 0.022 | J COL |
| | | | | | |
| 08B | UNIT 4 | 3/1/2007 | Barium | 2200 | L |
| " | " | 3/1/2007 | Zinc | 50 | |
| " | " | 3/1/2007 | Arsenic | 45 | |
| " | " | 3/1/2007 | Methylene chloride | 0.39 | J B |
| " | " | 3/1/2007 | Chlorobenzene | 0.17 | J |
| " | " | 8/20/2007 | Chlorobenzene | 0.24 | J |
| | | | | | |
| 08B-1 | UNIT 4 | 3/1/2007 | Barium | 2200 | L |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 08B-1 (cont.) | UNIT 4 (cont.) | 3/1/2007 | Arsenic | 68 | |
| " | " | 3/1/2007 | Bis(2-ethylhexyl) phthalate | 7.4 | J |
| " | " | 3/1/2007 | Methylene chloride | 0.41 | J B |
| " | " | 3/1/2007 | Benzene | 0.37 | J |
| " | " | 3/1/2007 | Chlorobenzene | 0.35 | J |
| " | " | 3/1/2007 | Toluene | 0.18 | J |
| " | " | 3/1/2007 | delta-BHC | 0.0094 | J |
| " | " | 8/20/2007 | Toluene | 0.17 | J |
| | | | | | |
| 08B-2 | UNIT 6 | 1/22/2007 | Barium | 430 | |
| " | " | 7/17/2007 | Total Xylenes | 0.45 | J |
| | | | | | |
| 08C | UNIT 8 | 1/22/2007 | Barium | 330 | |
| | | | | | |
| 09A | UNIT 4 | 3/12/2007 | Barium | 360 | |
| " | " | 3/12/2007 | Vinyl chloride | 240 | |
| " | " | 3/12/2007 | Trichloroethene | 60 | |
| " | " | 3/12/2007 | Tetrachloroethene | 53 | |
| " | " | 3/12/2007 | total 1,2-Dichloroethene | 47 | |
| " | " | 3/12/2007 | Benzene | 18 | J |
| " | " | 3/12/2007 | 1,1-Dichloroethene | 2.9 | J |
| " | " | 3/12/2007 | 1,1-Dichloroethane | 2.7 | J |
| " | " | 3/12/2007 | 1,1,2,2-Tetrachloroethane | 1.5 | J |
| " | " | 3/12/2007 | Total Xylenes | 1.4 | J |
| " | " | 3/12/2007 | Toluene | 1.3 | J |
| " | " | 3/12/2007 | Ethylbenzene | 1.2 | J |
| " | " | 3/12/2007 | gamma-BHC (Lindane) | 0.025 | J |
| " | " | 8/16/2007 | Vinyl chloride | 330 | |
| " | " | 8/16/2007 | total 1,2-Dichloroethene | 57 | |
| " | " | 8/16/2007 | Trichloroethene | 54 | |
| " | " | 8/16/2007 | Tetrachloroethene | 45 | |
| " | " | 8/16/2007 | Benzene | 13 | J |
| " | " | 8/16/2007 | 1,1-Dichloroethane | 3.7 | J |
| " | " | 8/16/2007 | Methylene chloride | 2.8 | J |
| " | " | 8/16/2007 | Toluene | 2.6 | J |
| " | " | 8/16/2007 | 1,1-Dichloroethene | 2.6 | J |
| " | " | 8/16/2007 | Ethylbenzene | 1.5 | J |
| " | " | 8/16/2007 | 2,4-Dichlorophenoxy acetic acid | 0.27 | J |
| | | | | | |
| 09AW | UNIT 4 | 3/12/2007 | Benzene | 4100 | |
| " | " | 3/12/2007 | Carbon tetrachloride | 2800 | |
| " | " | 3/12/2007 | Barium | 930 | |
| " | " | 3/12/2007 | Chloroform | 660 | |
| " | " | 3/12/2007 | total 1,2-Dichloroethene | 410 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 09AW (cont.) | UNIT 4 (cont.) | 3/12/2007 | Trichloroethene | 280 | J |
| " | " | 3/12/2007 | Vinyl chloride | 200 | J |
| " | " | 3/12/2007 | Methylene chloride | 120 | J |
| " | " | 3/12/2007 | Tetrachloroethene | 88 | J |
| " | " | 3/12/2007 | Naphthalene | 65 | |
| " | " | 3/12/2007 | Total Xylenes | 39 | J |
| " | " | 3/12/2007 | 1,1-Dichloroethene | 19 | J |
| " | " | 3/12/2007 | Phenol | 3.8 | J |
| " | " | 3/12/2007 | Hexachloroethane | 1.6 | J |
| " | " | 3/12/2007 | gamma-BHC (Lindane) | 0.034 | J |
| " | " | 3/12/2007 | Aldrin | 0.029 | J |
| " | " | 3/12/2007 | Methoxychlor | 0.023 | J COL |
| " | " | 3/12/2007 | Alpha-Endosulfan | 0.019 | J COL |
| " | " | 8/16/2007 | Benzene | 4000 | |
| " | " | 8/16/2007 | Carbon tetrachloride | 2800 | |
| " | " | 8/16/2007 | Chloroform | 630 | J |
| " | " | 8/16/2007 | Vinyl chloride | 440 | J |
| " | " | 8/16/2007 | total 1,2-Dichloroethene | 310 | J |
| " | " | 8/16/2007 | Trichloroethene | 290 | J |
| " | " | 8/16/2007 | Tetrachloroethene | 91 | J |
| " | " | 8/16/2007 | Naphthalene | 73 | |
| " | " | 8/16/2007 | Methylene chloride | 66 | J |
| " | " | 8/16/2007 | Pentachlorobenzene | 2.3 | J |
| " | " | 8/16/2007 | Hexachloroethane | 2 | J |
| " | " | 8/16/2007 | Bis(2-ethylhexyl) phthalate | 1.9 | J B |
| " | " | 8/16/2007 | Acetophenone | 1.5 | J |
| | | | | | |
| 09B-1 | UNIT 6 | 1/17/2007 | Barium | 780 | |
| | | | | | |
| 09CR | UNIT 8 | 1/17/2007 | Barium | 790 | |
| " | " | 1/17/2007 | Isodrin | 0.004 | J COL |
| | | | | | |
| 10A | UNIT 3 | 3/22/2007 | Barium | 600 | |
| " | " | 3/22/2007 | Benzene | 260 | |
| " | " | 3/22/2007 | Vinyl chloride | 140 | |
| " | " | 3/22/2007 | Naphthalene | 100 | |
| " | " | 3/22/2007 | 1,1-Dichloroethane | 100 | |
| " | " | 3/22/2007 | Pyrene | 61 | |
| " | " | 3/22/2007 | Diallate | 52 | |
| " | " | 3/22/2007 | 2-Methylnaphthalene | 52 | |
| " | " | 3/22/2007 | 1,2-Dichloroethane | 46 | J |
| " | " | 3/22/2007 | Chrysene | 42 | |
| " | " | 3/22/2007 | total 1,2-Dichloroethene | 39 | J |
| " | " | 3/22/2007 | Total Xylenes | 38 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 10A (cont.) | UNIT 3 (cont.) | 3/22/2007 | Phenanthrene | 36 | |
| " | " | 3/22/2007 | Arsenic | 29 | |
| " | " | 3/22/2007 | Chloroethane | 27 | J |
| " | " | 3/22/2007 | Toluene | 27 | J |
| " | " | 3/22/2007 | Benzo(a)anthracene | 26 | |
| " | " | 3/22/2007 | Butyl benzyl phthalate | 21 | |
| " | " | 3/22/2007 | Chlorobenzene | 18 | J |
| " | " | 3/22/2007 | 1,1-Dichloroethene | 17 | J |
| " | " | 3/22/2007 | Trichloroethene | 13 | J |
| " | " | 3/22/2007 | Benzo(a)pyrene | 9.8 | J |
| " | " | 3/22/2007 | Acenaphthene | 8.9 | J |
| " | " | 3/22/2007 | Anthracene | 8.7 | J |
| " | " | 3/22/2007 | Acenaphthylene | 8.3 | J |
| " | " | 3/22/2007 | Benzo(b)fluoranthene | 6.8 | J |
| " | " | 3/22/2007 | Fluorene | 6.3 | J |
| " | " | 3/22/2007 | 1,2-Dichlorobenzene | 5.8 | J |
| " | " | 3/22/2007 | Methylene chloride | 5.6 | J |
| " | " | 3/22/2007 | Ethylbenzene | 4.2 | J |
| " | " | 3/22/2007 | Phenol | 4.1 | J |
| " | " | 3/22/2007 | 1,4-Dichlorobenzene | 2.2 | J |
| " | " | 3/22/2007 | Atrazine | 2.2 | J |
| " | " | 3/22/2007 | Dibenzofuran | 2 | J |
| " | " | 3/22/2007 | 1,2,4-Trichlorobenzene | 1.6 | J |
| " | " | 3/22/2007 | gamma-BHC (Lindane) | 0.31 | COL |
| " | " | 3/22/2007 | Heptachlor | 0.18 | COL |
| " | " | 3/22/2007 | Aldrin | 0.067 | |
| " | " | 3/22/2007 | delta-BHC | 0.042 | J COL |
| " | " | 3/22/2007 | alpha-BHC | 0.041 | J COL |
| " | " | 8/29/2007 | Benzene | 290 | |
| " | " | 8/29/2007 | Vinyl chloride | 110 | |
| " | " | 8/29/2007 | Naphthalene | 74 | |
| " | " | 8/29/2007 | 1,1-Dichloroethane | 71 | |
| " | " | 8/29/2007 | Diallate | 43 | |
| " | " | 8/29/2007 | Total Xylenes | 32 | J |
| " | " | 8/29/2007 | 1,2-Dichloroethane | 28 | J |
| " | " | 8/29/2007 | Toluene | 25 | J |
| " | " | 8/29/2007 | Acetone | 25 | J |
| " | " | 8/29/2007 | total 1,2-Dichloroethene | 23 | J |
| " | " | 8/29/2007 | 2-Methylnaphthalene | 22 | |
| " | " | 8/29/2007 | Chlorobenzene | 15 | J |
| " | " | 8/29/2007 | Pyrene | 13 | |
| " | " | 8/29/2007 | Chloroethane | 13 | J |
| " | " | 8/29/2007 | Chrysene | 11 | |
| " | " | 8/29/2007 | Phenanthrene | 9.4 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 10A (cont.) | UNIT 3 (cont.) | 8/29/2007 | 1,1-Dichloroethene | 7.9 | J |
| " | " | 8/29/2007 | Butyl benzyl phthalate | 6.8 | J |
| " | " | 8/29/2007 | Trichloroethene | 6.1 | J |
| " | " | 8/29/2007 | Benzo(a)anthracene | 6 | J |
| " | " | 8/29/2007 | Phenol | 5.6 | J |
| " | " | 8/29/2007 | Methylene chloride | 4.4 | J |
| " | " | 8/29/2007 | Acenaphthylene | 3.5 | J |
| " | " | 8/29/2007 | 1,2-Dichlorobenzene | 3.5 | J |
| " | " | 8/29/2007 | Ethylbenzene | 3.4 | J |
| " | " | 8/29/2007 | Acenaphthene | 3.4 | J |
| " | " | 8/29/2007 | Fluoranthene | 2.5 | J |
| " | " | 8/29/2007 | Benzo(a)pyrene | 2.5 | J |
| " | " | 8/29/2007 | Anthracene | 2.3 | J |
| " | " | 8/29/2007 | Fluorene | 2.2 | J |
| " | " | 8/29/2007 | 1,2-Dichloropropane | 2.1 | J |
| " | " | 8/29/2007 | Bis(2-ethylhexyl) phthalate | 2 | J |
| " | " | 8/29/2007 | Benzo(b)fluoranthene | 1.6 | J |
| " | " | 8/29/2007 | 1,4-Dichlorobenzene | 1.5 | J |
| " | " | 8/29/2007 | Atrazine | 1.5 | J |
| " | " | 8/29/2007 | gamma-BHC (Lindane) | 0.11 | COL |
| " | " | 8/29/2007 | Isodrin | 0.04 | J |
| " | " | 8/29/2007 | 4,4'-DDE | 0.0082 | J COL |
| | | | | | |
| 10AW | UNIT 4 | 1/23/2007 | Barium | 310 | |
| | | | | | |
| 10B | UNIT 6 | 3/22/2007 | Barium | 220 | |
| " | " | 3/22/2007 | Pyrene | 100 | |
| " | " | 3/22/2007 | Chrysene | 89 | |
| " | " | 3/22/2007 | Benzo(a)anthracene | 46 | |
| " | " | 3/22/2007 | Phenanthrene | 41 | |
| " | " | 3/22/2007 | Benzo(a)pyrene | 19 | |
| " | " | 3/22/2007 | Benzo(b)fluoranthene | 12 | |
| " | " | 3/22/2007 | Anthracene | 8.9 | J |
| " | " | 3/22/2007 | Benzo(g,h,i)perylene | 5.7 | J |
| " | " | 3/22/2007 | Acenaphthene | 3.7 | J |
| " | " | 3/22/2007 | total 1,2-Dichloroethene | 2.9 | J |
| " | " | 8/29/2007 | Pyrene | 42 | |
| " | " | 8/29/2007 | Chrysene | 36 | J |
| " | " | 8/29/2007 | Benzo(a)anthracene | 19 | J |
| " | " | 8/29/2007 | Phenanthrene | 15 | J |
| " | " | 8/29/2007 | Benzo(a)pyrene | 8.4 | J |
| " | " | 8/29/2007 | Fluoranthene | 6 | J |
| " | " | 8/29/2007 | Benzo(b)fluoranthene | 5.8 | J |
| " | " | 8/29/2007 | total 1,2-Dichloroethene | 1.6 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 10B (cont.) | UNIT 6 (cont.) | 8/29/2007 | Chlorobenzene | 0.81 | J |
| " | " | 8/29/2007 | 1,1-Dichloroethane. | 0.29 | J |
| | | | | | |
| 11A | UNIT 3 | 3/12/2007 | Barium | 97 | |
| | | | | | |
| 11B | UNIT 6 | 1/15/2007 | Barium | 360 | |
| " | " | 1/15/2007 | Carbon tetrachloride | 1.7 | J |
| " | " | 1/15/2007 | Chloroform | 0.8 | J |
| " | " | 7/12/2007 | Carbon tetrachloride | 1 | J |
| " | " | 7/12/2007 | Chloroform | 0.32 | J |
| | | | | | |
| 11C | UNIT 8 | 1/15/2007 | Barium | 630 | |
| " | " | 1/15/2007 | Zinc | 44 | |
| | | | | | |
| 12A | UNIT 3 | 3/1/2007 | 2-Butanone (MEK) | 33000 | |
| " | " | 3/1/2007 | Benzene | 3200 | |
| " | " | 3/1/2007 | Barium | 1500 | L |
| " | " | 3/1/2007 | Toluene | 1000 | |
| " | " | 3/1/2007 | Trichloroethene | 240 | J |
| " | " | 3/1/2007 | Total Xylenes | 230 | J |
| " | " | 3/1/2007 | Tetrachloroethene | 130 | J |
| " | " | 3/1/2007 | Ethylbenzene | 110 | J |
| " | " | 3/1/2007 | 1,1,2-Trichloroethane | 100 | J |
| " | " | 3/1/2007 | Methylene chloride | 93 | J B |
| " | " | 3/1/2007 | 1,1-Dichloroethene | 55 | J |
| " | " | 3/1/2007 | 2,4-Dichlorophenol | 54 | |
| " | " | 3/1/2007 | 2,4,5-Trichlorophenol | 33 | |
| " | " | 3/1/2007 | Naphthalene | 25 | |
| " | " | 3/1/2007 | 2-Chlorophenol | 20 | |
| " | " | 3/1/2007 | Phenol | 17 | |
| " | " | 3/1/2007 | Cyanide, Total | 12 | |
| " | " | 3/1/2007 | 2,6-Dichlorophenol | 9 | J |
| " | " | 3/1/2007 | Phenanthrene | 6.1 | J |
| " | " | 3/1/2007 | 2-Methylphenol | 4.6 | J |
| " | " | 3/1/2007 | 2-Methylnaphthalene | 4.5 | J |
| " | " | 3/1/2007 | 1,2-Dichlorobenzene | 2.6 | J |
| " | " | 3/1/2007 | Fluorene | 2 | J |
| " | " | 3/1/2007 | Kepone | 0.43 | |
| " | " | 3/1/2007 | gamma-BHC (Lindane) | 0.25 | COL |
| " | " | 3/1/2007 | Heptachlor | 0.16 | |
| " | " | 3/1/2007 | delta-BHC | 0.12 | COL |
| " | " | 3/1/2007 | Alpha-Endosulfan | 0.015 | J COL |
| " | " | 3/1/2007 | beta-Endosulfan | 0.013 | J COL |
| " | " | 8/20/2007 | Benzene | 5300 | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 12A (cont.) | UNIT 3 (cont.) | 8/20/2007 | Toluene | 1600 | |
| " | " | 8/20/2007 | Sulfide | 1400 | |
| " | " | 8/20/2007 | 1,2-Dichloroethane | 260 | J |
| " | " | 8/20/2007 | Total Xylenes | 180 | J |
| " | " | 8/20/2007 | Trichloroethene | 180 | J |
| " | " | 8/20/2007 | Ethylbenzene | 160 | J |
| " | " | 8/20/2007 | Tetrachloroethene | 98 | J |
| " | " | 8/20/2007 | 1,1,2-Trichloroethane | 83 | J |
| " | " | 8/20/2007 | Chlorobenzene | 73 | J |
| " | " | 8/20/2007 | total 1,2-Dichloroethene | 54 | J |
| " | " | 8/20/2007 | 1,1-Dichloroethene | 54 | J |
| " | " | 8/20/2007 | 2,4-Dichlorophenol | 49 | |
| " | " | 8/20/2007 | 2,4,5-TP (Silvex) | 39 | |
| " | " | 8/20/2007 | Naphthalene | 33 | |
| " | " | 8/20/2007 | Phenol | 30 | |
| " | " | 8/20/2007 | 2-Chlorophenol | 27 | |
| " | " | 8/20/2007 | 3-Methylphenol | 24 | |
| " | " | 8/20/2007 | 4-Methylphenol | 24 | |
| " | " | 8/20/2007 | 2,4,5-Trichlorophenol | 21 | |
| " | " | 8/20/2007 | 2-Methylphenol | 19 | |
| " | " | 8/20/2007 | 2,6-Dichlorophenol | 13 | |
| " | " | 8/20/2007 | 2-Methylnaphthalene | 10 | |
| " | " | 8/20/2007 | Phenanthrene | 6.9 | J |
| " | " | 8/20/2007 | 4-Chloroaniline | 4.4 | J |
| " | " | 8/20/2007 | 2,4,6-Trichlorophenol | 1.5 | J |
| " | " | 8/20/2007 | Pyrene | 1.4 | J |
| " | " | 8/20/2007 | Acetophenone | 1.2 | J |
| " | " | 8/20/2007 | gamma-BHC (Lindane) | 0.21 | COL |
| " | " | 8/20/2007 | delta-BHC | 0.025 | J COL |
| " | " | 8/20/2007 | alpha-BHC | 0.018 | J COL |
| " | " | 8/20/2007 | Aldrin | 0.016 | J COL |
| | | | | | |
| 13A | UNIT 3 | 5/15/2007 | Chlorobenzene | 480 | |
| " | " | 5/15/2007 | Benzene | 380 | |
| " | " | 5/15/2007 | Ethylbenzene | 170 | |
| " | " | 5/15/2007 | Total Xylenes | 48 | J |
| " | " | 5/15/2007 | Acetone | 39 | J |
| " | " | 5/15/2007 | Toluene | 12 | J |
| " | " | 5/15/2007 | total 1,2-Dichloroethene | 10 | J |
| " | " | 5/15/2007 | Methylene chloride | 7.7 | J |
| | | | | | |
| 13AR | UNIT 3 | 3/6/2007 | Barium | 2600 | |
| " | " | 3/6/2007 | Chlorobenzene | 550 | |
| " | " | 3/6/2007 | Chromium | 310 | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 13AR (cont.) | UNIT 3 (cont.) | 3/6/2007 | Arsenic | 220 | |
| " | " | 3/6/2007 | 4-Chloroaniline | 170 | |
| " | " | 3/6/2007 | Benzene | 99 | J |
| " | " | 3/6/2007 | Nickel | 96 | |
| " | " | 3/6/2007 | Ethylbenzene | 63 | J |
| " | " | 3/6/2007 | Zinc | 54 | |
| " | " | 3/6/2007 | 1,2-Dichlorobenzene | 20 | |
| " | " | 3/6/2007 | 1,4-Dichlorobenzene | 11 | |
| " | " | 3/6/2007 | Diethyl phthalate | 11 | |
| " | " | 3/6/2007 | Toluene | 8.7 | J |
| " | " | 3/6/2007 | o-Toluidine | 8.7 | J |
| " | " | 3/6/2007 | total 1,2-Dichloroethene | 6.8 | J |
| " | " | 3/6/2007 | Naphthalene | 4.9 | J |
| " | " | 3/6/2007 | 1,3-Dichlorobenzene | 4.8 | J |
| " | " | 3/6/2007 | Total Xylenes | 4.3 | J |
| " | " | 3/6/2007 | N-Nitrosodiphenylamine | 3.6 | J |
| " | " | 3/6/2007 | Diphenylamine | 3.6 | J |
| " | " | 3/6/2007 | Aniline | 2.8 | J |
| " | " | 3/6/2007 | o,o,o-Triethylphosphorothioate | 2.6 | J |
| " | " | 3/6/2007 | 2,4-Dimethylphenol | 1.3 | J |
| " | " | 3/6/2007 | Atrazine | 1.1 | J COL |
| " | " | 3/6/2007 | Thionazin | 0.23 | J COL |
| " | " | 3/6/2007 | delta-BHC | 0.14 | COL |
| " | " | 3/6/2007 | beta-Endosulfan | 0.11 | COL |
| " | " | 3/6/2007 | Heptachlor | 0.11 | |
| " | " | 3/6/2007 | Aldrin | 0.036 | J COL |
| " | " | 3/6/2007 | Endrin aldehyde | 0.025 | J COL |
| " | " | 8/22/2007 | Chlorobenzene | 470 | |
| " | " | 8/22/2007 | 4-Chloroaniline | 120 | |
| " | " | 8/22/2007 | Benzene | 110 | |
| " | " | 8/22/2007 | Ethylbenzene | 42 | J |
| " | " | 8/22/2007 | 1,2-Dichloroethane | 27 | J |
| " | " | 8/22/2007 | 1,2-Dichlorobenzene | 27 | |
| " | " | 8/22/2007 | Total Xylenes | 13 | J |
| " | " | 8/22/2007 | Toluene | 11 | J |
| " | " | 8/22/2007 | 1,4-Dichlorobenzene | 11 | |
| " | " | 8/22/2007 | Methylene chloride | 10 | J |
| " | " | 8/22/2007 | total 1,2-Dichloroethene | 9.8 | J |
| " | " | 8/22/2007 | Diethyl phthalate | 9.1 | J |
| " | " | 8/22/2007 | o-Toluidine | 4.8 | J |
| " | " | 8/22/2007 | 1,3-Dichlorobenzene | 4.7 | J |
| " | " | 8/22/2007 | 2,4-Dichlorophenoxy acetic acid | 4.3 | |
| " | " | 8/22/2007 | Naphthalene | 4 | J |
| " | " | 8/22/2007 | Phenol | 3.6 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 13AR (cont.) | UNIT 3 (cont.) | 8/22/2007 | Chloroform | 3.5 | J |
| " | " | 8/22/2007 | o,o,o-Triethylphosphorothioate | 2.7 | J |
| " | " | 8/22/2007 | 2,4,5-TP (Silvex) | 2.5 | |
| " | " | 8/22/2007 | Diphenylamine | 2.4 | J |
| " | " | 8/22/2007 | N-Nitrosodiphenylamine | 2.2 | J |
| " | " | 8/22/2007 | 1,2,4-Trichlorobenzene | 1.6 | J |
| " | " | 8/22/2007 | 2,4,5-T | 0.2 | COL |
| " | " | 8/22/2007 | gamma-BHC (Lindane) | 0.12 | COL |
| " | " | 8/22/2007 | delta-BHC | 0.11 | B COL |
| " | " | 8/22/2007 | 4,4'-DDD | 0.072 | J COL |
| " | " | 8/22/2007 | beta-Endosulfan | 0.047 | J COL |
| " | " | 8/22/2007 | Aldrin | 0.037 | J COL |
| " | " | 8/22/2007 | Dieldrin | 0.022 | J B COL |
| | | | | | |
| 13B | UNIT 4 | 5/15/2007 | Benzene | 1500 | |
| " | " | 5/15/2007 | Ethylbenzene | 710 | |
| " | " | 5/15/2007 | Chloroethane | 580 | |
| " | " | 5/15/2007 | Chlorobenzene | 370 | |
| " | " | 5/15/2007 | Total Xylenes | 180 | J |
| " | " | 5/15/2007 | Toluene | 100 | J |
| " | " | 5/15/2007 | Acetone | 83 | J |
| " | " | 5/15/2007 | Methylene chloride | 26 | J |
| | | | | | |
| 13B-1 | UNIT 4 | 3/6/2007 | Barium | 4400 | |
| " | " | 3/6/2007 | 4-Chloroaniline | 1100 | |
| " | " | 3/6/2007 | Benzene | 360 | |
| " | " | 3/6/2007 | Chlorobenzene | 360 | |
| " | " | 3/6/2007 | Ethylbenzene | 190 | |
| " | " | 3/6/2007 | Arsenic | 180 | |
| " | " | 3/6/2007 | o-Toluidine | 87 | J |
| " | " | 3/6/2007 | Naphthalene | 70 | J |
| " | " | 3/6/2007 | Total Xylenes | 30 | J |
| " | " | 3/6/2007 | 1,4-Dichlorobenzene | 14 | J |
| " | " | 3/6/2007 | Cyanide, Total | 12 | |
| " | " | 3/6/2007 | Toluene | 5.4 | J |
| " | " | 3/6/2007 | Atrazine | 2.7 | J COL |
| " | " | 3/6/2007 | 2,4,5-TP (Silvex) | 0.8 | COL |
| " | " | 3/6/2007 | delta-BHC | 0.095 | COL |
| " | " | 3/6/2007 | Methoxychlor | 0.071 | J COL |
| " | " | 3/6/2007 | beta-Endosulfan | 0.065 | J COL |
| " | " | 3/6/2007 | Heptachlor | 0.064 | COL |
| " | " | 3/6/2007 | 4,4'-DDT | 0.055 | J COL |
| " | " | 3/6/2007 | Endrin aldehyde | 0.039 | J COL |
| " | " | 8/22/2007 | 4-Chloroaniline | 1200 | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 13B-1 (cont.) | UNIT 4 (cont.) | 8/22/2007 | Benzene | 290 | |
| " | " | 8/22/2007 | Chlorobenzene | 220 | |
| " | " | 8/22/2007 | Ethylbenzene | 110 | |
| " | " | 8/22/2007 | o-Toluidine | 99 | J |
| " | " | 8/22/2007 | Naphthalene | 57 | J |
| " | " | 8/22/2007 | 2,4-Dimethylphenol | 56 | J |
| " | " | 8/22/2007 | Acetone | 47 | J B |
| " | " | 8/22/2007 | 3-Methylphenol | 41 | J |
| " | " | 8/22/2007 | 4-Methylphenol | 41 | J |
| " | " | 8/22/2007 | 2,4-Dichlorophenoxy acetic acid | 30 | |
| " | " | 8/22/2007 | Total Xylenes | 28 | J |
| " | " | 8/22/2007 | Cyanide, Total | 21 | |
| " | " | 8/22/2007 | Phenol | 15 | J |
| " | " | 8/22/2007 | 1,4-Dichlorobenzene | 12 | J |
| " | " | 8/22/2007 | Methylene chloride | 11 | J |
| " | " | 8/22/2007 | 2,4,5-TP (Silvex) | 10 | |
| " | " | 8/22/2007 | Toluene | 7.3 | J |
| " | " | 8/22/2007 | 2,4,5-T | 2.9 | COL |
| " | " | 8/22/2007 | beta-BHC | 0.22 | COL |
| " | " | 8/22/2007 | delta-BHC | 0.19 | B |
| " | " | 8/22/2007 | beta-Endosulfan | 0.14 | COL |
| " | " | 8/22/2007 | Endrin aldehyde | 0.082 | J COL |
| " | " | 8/22/2007 | 4,4'-DDT | 0.075 | J B COL |
| " | " | 8/22/2007 | gamma-BHC (Lindane) | 0.074 | |
| " | " | 8/22/2007 | Aldrin | 0.044 | J COL |
| | | | | | |
| 13B-2 | UNIT 6 | 1/31/2007 | Barium | 450 | |
| " | " | 1/31/2007 | Trichloroethene | 1 | J |
| " | " | 1/31/2007 | Tetrachloroethene | 0.75 | J |
| " | " | 1/31/2007 | 1,1-Dichloroethene | 0.54 | J |
| " | " | 1/31/2007 | total 1,2-Dichloroethene | 0.15 | J |
| " | " | 7/24/2007 | Trichloroethene | 0.61 | J |
| " | " | 7/24/2007 | Tetrachloroethene | 0.36 | J |
| " | " | 7/24/2007 | 1,1-Dichloroethene | 0.29 | J |
| " | " | 7/24/2007 | total 1,2-Dichloroethene | 0.2 | J |
| | | | | | |
| 13C | UNIT 8 | 3/6/2007 | Barium | 430 | |
| " | " | 3/6/2007 | Tetrachloroethene | 6 | |
| " | " | 3/6/2007 | 1,2,4-Trichlorobenzene | 3.3 | J |
| " | " | 3/6/2007 | 1,1-Dichloroethene | 2.2 | J |
| " | " | 3/6/2007 | Trichloroethene | 2.1 | J |
| " | " | 3/6/2007 | 1,2-Dichloroethane | 1.6 | J |
| " | " | 3/6/2007 | Benzene | 1.4 | J |
| " | " | 3/6/2007 | Chlorobenzene | 1.1 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 13C (cont.) | UNIT 8 (cont.) | 3/6/2007 | 1,1-Dichloroethane | 0.73 | J |
| " | " | 3/6/2007 | 2-Chloro-1,3-butadiene (Chloroprene) | 0.55 | J |
| " | " | 3/6/2007 | 1,2-Dichloropropane | 0.49 | J |
| " | " | 3/6/2007 | Methylene chloride | 0.42 | J B |
| " | " | 3/6/2007 | Total Xylenes | 0.29 | J |
| " | " | 8/22/2007 | Tetrachloroethene | 7.1 | |
| " | " | 8/22/2007 | Trichloroethene | 2.7 | J |
| " | " | 8/22/2007 | 1,1-Dichloroethene | 2.2 | J |
| " | " | 8/22/2007 | 1,2-Dichloroethane | 2.1 | J |
| " | " | 8/22/2007 | Benzene | 1.7 | J |
| " | " | 8/22/2007 | Chlorobenzene | 1.4 | J |
| " | " | 8/22/2007 | 1,1-Dichloroethane | 0.93 | J |
| " | " | 8/22/2007 | 2-Chloro-1,3-butadiene (Chloroprene) | 0.7 | J |
| " | " | 8/22/2007 | 1,2-Dichloropropane | 0.65 | J |
| " | " | 8/22/2007 | Total Xylenes | 0.52 | J |
| " | " | 8/22/2007 | Toluene | 0.3 | J |
| | | | | | |
| 14A | UNIT 3 | 1/9/2007 | Barium | 220 | L |
| " | " | 1/9/2007 | Methylene chloride | 0.33 | J |
| | | | | | |
| 14B | UNIT 4 | 1/9/2007 | Barium | 480 | L |
| | | | | | |
| 14C | UNIT 8 | 1/9/2007 | Barium | 220 | L |
| " | " | 1/9/2007 | Methylene chloride | 0.33 | J |
| | | | | | |
| 15B | UNIT 4 | 2/6/2007 | Barium | 510 | |
| " | " | 8/2/2007 | Chlorobenzene | 0.22 | J |
| | | | | | |
| 16A | UNIT 3 | 1/11/2007 | Barium | 140 | L |
| | | | | | |
| 17B-1 | UNIT 4 | 2/8/2007 | Barium | 1900 | |
| " | " | 2/8/2007 | Arsenic | 84 | |
| " | " | 2/8/2007 | Chlorobenzene | 19 | |
| " | " | 2/8/2007 | Cyanide, Total | 10 | |
| " | " | 2/8/2007 | Atrazine | 2.8 | J |
| " | " | 2/8/2007 | Propazine | 1.2 | J |
| " | " | 2/8/2007 | Benzene | 0.53 | J |
| " | " | 2/8/2007 | Methylene chloride | 0.43 | J B |
| " | " | 2/8/2007 | Ethylbenzene | 0.33 | J |
| " | " | 2/8/2007 | Total Xylenes | 0.26 | J |
| " | " | 2/8/2007 | Thionazin | 0.25 | J COL |
| " | " | 2/8/2007 | Toluene | 0.2 | J |
| " | " | 2/8/2007 | Phorate | 0.13 | J COL |
| " | " | 2/8/2007 | gamma-BHC (Lindane) | 0.04 | J COL |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 17B-1 (cont.) | UNIT 4 (cont.) | 2/8/2007 | delta-BHC | 0.019 | J COL |
| " | " | 2/8/2007 | Dieldrin | 0.013 | J COL |
| " | " | 2/8/2007 | beta-BHC | 0.011 | J COL |
| " | " | 8/1/2007 | Chlorobenzene | 57 | |
| " | " | 8/1/2007 | 2,4-Dichlorophenoxy acetic acid | 4.4 | CHI |
| " | " | 8/1/2007 | Acetone | 3.7 | J |
| " | " | 8/1/2007 | Benzene | 0.87 | J |
| " | " | 8/1/2007 | 2,4,5-TP (Silvex) | 0.74 | |
| " | " | 8/1/2007 | Total Xylenes | 0.69 | J |
| " | " | 8/1/2007 | Toluene | 0.38 | J |
| " | " | 8/1/2007 | beta-BHC | 0.26 | |
| " | " | 8/1/2007 | Heptachlor | 0.092 | |
| " | " | 8/1/2007 | delta-BHC | 0.02 | J COL |
| " | " | 8/1/2007 | gamma-BHC (Lindane) | 0.017 | J COL |
| " | " | 8/1/2007 | Isodrin | 0.015 | J COL |
| | | | | | |
| 17B-2 | UNIT 6 | 2/8/2007 | Barium | 1300 | |
| " | " | 2/8/2007 | Methylene chloride | 0.53 | J B |
| " | " | 8/1/2007 | Chlorobenzene | 0.34 | J |
| | | | | | |
| 20A | UNIT 4 | 2/27/2007 | Barium | 1200 | |
| " | " | 2/27/2007 | Chlorobenzene | 190 | |
| " | " | 2/27/2007 | 4-Chloroaniline | 160 | |
| " | " | 2/27/2007 | Benzene | 33 | J |
| " | " | 2/27/2007 | 2,4-Dichlorophenol | 31 | |
| " | " | 2/27/2007 | Trichloroethene | 23 | J |
| " | " | 2/27/2007 | Tetrachloroethene | 19 | J |
| " | " | 2/27/2007 | 1,4-Dichlorobenzene | 17 | |
| " | " | 2/27/2007 | 1,1-Dichloroethane | 14 | J |
| " | " | 2/27/2007 | Chloroform | 8.9 | J |
| " | " | 2/27/2007 | 1,2-Dichlorobenzene | 8.7 | J |
| " | " | 2/27/2007 | 1,3-Dichlorobenzene | 7.5 | J |
| " | " | 2/27/2007 | 1,2-Dichloroethane | 7.4 | J |
| " | " | 2/27/2007 | total 1,2-Dichloroethene | 6.9 | J |
| " | " | 2/27/2007 | o,o,o-Triethylphosphorothioate | 5.1 | J |
| " | " | 2/27/2007 | Total Xylenes | 5 | J |
| " | " | 2/27/2007 | 1,1-Dichloroethene | 4.3 | J |
| " | " | 2/27/2007 | Vinyl chloride | 4.3 | J |
| " | " | 2/27/2007 | 1,2,4-Trichlorobenzene | 2.8 | J |
| " | " | 2/27/2007 | 2,4-Dichlorophenoxy acetic acid | 1.6 | |
| " | " | 2/27/2007 | Disulfoton | 0.77 | J CHI |
| " | " | 2/27/2007 | 2,4,5-T | 0.7 | COL |
| " | " | 2/27/2007 | Thionazin | 0.53 | J |
| " | " | 2/27/2007 | delta-BHC | 0.16 | COL |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 20A (cont.) | UNIT 4 (cont.) | 2/27/2007 | Aldrin | 0.051 | |
| " | " | 2/27/2007 | Endrin | 0.046 | J COL |
| " | " | 2/27/2007 | Dieldrin | 0.044 | J COL |
| " | " | 2/27/2007 | Endrin aldehyde | 0.035 | J |
| " | " | 2/27/2007 | gamma-BHC (Lindane) | 0.018 | J COL |
| " | " | 8/15/2007 | 4-Chloroaniline | 300 | |
| " | " | 8/15/2007 | Chlorobenzene | 200 | |
| " | " | 8/15/2007 | Benzene | 67 | |
| " | " | 8/15/2007 | 2,4-Dichlorophenol | 26 | |
| " | " | 8/15/2007 | 1,4-Dichlorobenzene | 20 | |
| " | " | 8/15/2007 | Trichloroethene | 20 | J |
| " | " | 8/15/2007 | Tetrachloroethene | 14 | J |
| " | " | 8/15/2007 | 1,1-Dichloroethane | 12 | J |
| " | " | 8/15/2007 | Ethylbenzene | 11 | J |
| " | " | 8/15/2007 | 1,2-Dichlorobenzene | 9.4 | J |
| " | " | 8/15/2007 | 1,3-Dichlorobenzene | 8.8 | J |
| " | " | 8/15/2007 | Chloroform | 8.3 | J |
| " | " | 8/15/2007 | Total Xylenes | 8.2 | J |
| " | " | 8/15/2007 | 2,4,5-TP (Silvex) | 8.1 | COL |
| " | " | 8/15/2007 | Diethyl phthalate | 7.5 | J |
| " | " | 8/15/2007 | total 1,2-Dichloroethene | 7.4 | J |
| " | " | 8/15/2007 | 1,2-Dichloroethane | 7.3 | J |
| " | " | 8/15/2007 | o,o,o-Triethylphosphorothioate | 7 | J |
| " | " | 8/15/2007 | bis(2-Chloroethyl) ether | 4 | J |
| " | " | 8/15/2007 | Vinyl chloride | 3.9 | J |
| " | " | 8/15/2007 | 2,4,5-Trichlorophenol | 3.6 | J |
| " | " | 8/15/2007 | Bis(2-ethylhexyl) phthalate | 3.6 | J |
| " | " | 8/15/2007 | 1,1-Dichloroethene | 3 | J |
| " | " | 8/15/2007 | o-Toluidine | 2.8 | J |
| " | " | 8/15/2007 | 1,2,4-Trichlorobenzene | 2.4 | J |
| " | " | 8/15/2007 | Toluene | 2.3 | J |
| " | " | 8/15/2007 | 2,4-Dichlorophenoxy acetic acid | 1.5 | COL |
| " | " | 8/15/2007 | 1,2-Dichloropropane | 1.4 | J |
| " | " | 8/15/2007 | 2,4,5-T | 0.73 | COL |
| " | " | 8/15/2007 | delta-BHC | 0.26 | COL |
| " | " | 8/15/2007 | gamma-BHC (Lindane) | 0.24 | COL |
| | | | | | |
| 21A | UNIT 4 | 2/26/2007 | 4-Chloroaniline | 4700 | |
| " | " | 2/26/2007 | Benzene | 3400 | |
| " | " | 2/26/2007 | Barium | 2100 | L |
| " | " | 2/26/2007 | Ethylbenzene | 1600 | |
| " | " | 2/26/2007 | Chloroethane | 970 | J |
| " | " | 2/26/2007 | Arsenic | 820 | |
| " | " | 2/26/2007 | Chlorobenzene | 600 | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 21A (cont.) | UNIT 4 (cont.) | 2/26/2007 | o-Toluidine | 530 | |
| " | " | 2/26/2007 | Total Xylenes | 480 | J |
| " | " | 2/26/2007 | Naphthalene | 330 | J |
| " | " | 2/26/2007 | Methylene chloride | 250 | J B |
| " | " | 2/26/2007 | Toluene | 170 | J |
| " | " | 2/26/2007 | total 1,2-Dichloroethene | 41 | J |
| " | " | 2/26/2007 | 1,1-Dichloroethane | 30 | J |
| " | " | 2/26/2007 | delta-BHC | 3 | B |
| " | " | 2/26/2007 | Methoxychlor | 0.78 | J |
| " | " | 2/26/2007 | 2,4,5-TP (Silvex) | 0.71 | COL |
| " | " | 2/26/2007 | Disulfoton | 0.29 | J COL |
| " | " | 2/26/2007 | beta-BHC | 0.29 | |
| " | " | 2/26/2007 | alpha-BHC | 0.053 | J COL |
| " | " | 8/14/2007 | 4-Chloroaniline | 5400 | |
| " | " | 8/14/2007 | Benzene | 2700 | |
| " | " | 8/14/2007 | Chloroethane | 1400 | |
| " | " | 8/14/2007 | Ethylbenzene | 1300 | |
| " | " | 8/14/2007 | o-Toluidine | 680 | |
| " | " | 8/14/2007 | Chlorobenzene | 520 | |
| " | " | 8/14/2007 | Total Xylenes | 420 | J |
| " | " | 8/14/2007 | Naphthalene | 390 | J |
| " | " | 8/14/2007 | Acetone | 220 | J B |
| " | " | 8/14/2007 | Methylene chloride | 220 | J B |
| " | " | 8/14/2007 | Toluene | 160 | J |
| " | " | 8/14/2007 | Aniline | 94 | J |
| " | " | 8/14/2007 | total 1,2-Dichloroethene | 34 | J |
| " | " | 8/14/2007 | 1,1-Dichloroethane | 24 | J |
| " | " | 8/14/2007 | 2,4,5-TP (Silvex) | 4.8 | |
| " | " | 8/14/2007 | delta-BHC | 2.9 | COL |
| " | " | 8/14/2007 | 2,4-Dichlorophenoxy acetic acid | 0.36 | J COL |
| " | " | 8/14/2007 | 2,4,5-T | 0.2 | COL |
| " | " | 8/14/2007 | Alpha-Endosulfan | 0.15 | J COL |
| | | | | | |
| 21B-1 | UNIT 6 | 2/26/2007 | Barium | 5200 | L |
| " | " | 2/26/2007 | Benzene | 810 | |
| " | " | 2/26/2007 | 4-Chloroaniline | 670 | |
| " | " | 2/26/2007 | Arsenic | 320 | |
| " | " | 2/26/2007 | Ethylbenzene | 220 | |
| " | " | 2/26/2007 | Chloroethane | 140 | J |
| " | " | 2/26/2007 | Chlorobenzene | 99 | J |
| " | " | 2/26/2007 | Total Xylenes | 64 | J |
| " | " | 2/26/2007 | o-Toluidine | 59 | |
| " | " | 2/26/2007 | 2,4-Dimethylphenol | 36 | J |
| " | " | 2/26/2007 | Methylene chloride | 24 | J B |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 21B-1 (cont.) | UNIT 6 (cont.) | 2/26/2007 | Naphthalene | 19 | J |
| " | " | 2/26/2007 | Phenol | 15 | J |
| " | " | 2/26/2007 | Toluene | 11 | J |
| " | " | 2/26/2007 | total 1,2-Dichloroethene | 4.3 | J |
| " | " | 2/26/2007 | Atrazine | 0.85 | J |
| " | " | 2/26/2007 | delta-BHC | 0.19 | B COL |
| " | " | 2/26/2007 | alpha-BHC | 0.024 | J |
| " | " | 2/26/2007 | Endrin | 0.016 | J COL |
| " | " | 2/26/2007 | Aldrin | 0.013 | J COL |
| " | " | 8/14/2007 | 4-Chloroaniline | 1100 | |
| " | " | 8/14/2007 | Benzene | 870 | E |
| " | " | 8/14/2007 | Benzene | 860 | |
| " | " | 8/14/2007 | Ethylbenzene | 280 | |
| " | " | 8/14/2007 | Ethylbenzene | 280 | |
| " | " | 8/14/2007 | Chloroethane | 230 | |
| " | " | 8/14/2007 | Chloroethane | 210 | J |
| " | " | 8/14/2007 | Chlorobenzene | 130 | |
| " | " | 8/14/2007 | Chlorobenzene | 120 | |
| " | " | 8/14/2007 | o-Toluidine | 100 | |
| " | " | 8/14/2007 | Total Xylenes | 78 | |
| " | " | 8/14/2007 | Total Xylenes | 75 | J |
| " | " | 8/14/2007 | 2,4-Dimethylphenol | 45 | J |
| " | " | 8/14/2007 | Naphthalene | 29 | J |
| " | " | 8/14/2007 | Methylene chloride | 18 | J |
| " | " | 8/14/2007 | Toluene | 14 | J |
| " | " | 8/14/2007 | Toluene | 14 | J |
| " | " | 8/14/2007 | 2,4-Dichlorophenoxy acetic acid | 8.1 | COL |
| " | " | 8/14/2007 | Methylene chloride | 7.6 | J |
| " | " | 8/14/2007 | total 1,2-Dichloroethene | 7 | J |
| " | " | 8/14/2007 | total 1,2-Dichloroethene | 5.8 | J |
| " | " | 8/14/2007 | 2,4,5-T | 5.1 | COL |
| " | " | 8/14/2007 | 2,4,5-TP (Silvex) | 3.7 | COL |
| " | " | 8/14/2007 | 1,1-Dichloroethane | 2.2 | J |
| " | " | 8/14/2007 | delta-BHC | 0.64 | |
| " | " | 8/14/2007 | beta-BHC | 0.083 | COL |
| " | " | 8/14/2007 | gamma-BHC (Lindane) | 0.061 | COL |
| " | " | 8/14/2007 | alpha-BHC | 0.04 | J |
| " | " | 8/14/2007 | Endosulfan sulfate | 0.032 | J |
| " | " | 8/14/2007 | Endrin | 0.028 | J COL |
| " | " | 8/14/2007 | Aldrin | 0.027 | J COL |
| " | " | 8/14/2007 | Methoxychlor | 0.025 | J COL |
| | | | | | |
| 22A | UNIT 4 | 1/17/2007 | Barium | 390 | |
| " | " | 1/17/2007 | 1,1-Dichloroethene | 4.1 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 22A (cont.) | UNIT 4 (cont.) | 1/17/2007 | Trichloroethene | 0.86 | J |
| " | " | 1/17/2007 | total 1,2-Dichloroethene | 0.58 | J |
| " | " | 1/17/2007 | Tetrachloroethene | 0.51 | J |
| " | " | 7/16/2007 | 1,1-Dichloroethene | 5.3 | |
| " | " | 7/16/2007 | Trichloroethene | 1.1 | J |
| " | " | 7/16/2007 | total 1,2-Dichloroethene | 0.83 | J |
| " | " | 7/16/2007 | Tetrachloroethene | 0.48 | J |
| | | | | | |
| 22AW | UNIT 3 | 1/23/2007 | Nickel | 590 | |
| " | " | 1/23/2007 | Barium | 210 | |
| " | " | 1/23/2007 | Chromium | 79 | |
| " | " | 1/23/2007 | Arsenic | 72 | |
| | | | | | |
| 22B-1 | UNIT 4 | 1/23/2007 | Barium | 210 | |
| " | " | 1/23/2007 | Acetone | 2.1 | J |
| " | " | 1/23/2007 | Tetrachloroethene | 0.65 | J |
| " | " | 1/23/2007 | 1,1-Dichloroethene | 0.21 | J |
| " | " | 7/17/2007 | Tetrachloroethene | 1.1 | J |
| | | | | | |
| 23A | UNIT 3 | 2/26/2007 | Barium | 360 | L |
| " | " | 2/26/2007 | Chlorobenzene | 7.8 | |
| " | " | 2/26/2007 | total 1,2-Dichloroethene | 1.2 | J |
| " | " | 2/26/2007 | Benzene | 1.1 | J |
| " | " | 2/26/2007 | Methylene chloride | 0.46 | J B |
| " | " | 2/26/2007 | Trichloroethene | 0.3 | J |
| " | " | 2/26/2007 | Total Xylenes | 0.24 | J |
| " | " | 2/26/2007 | delta-BHC | 0.12 | B |
| " | " | 8/14/2007 | Chlorobenzene | 1.5 | J |
| " | " | 8/14/2007 | Benzene | 0.67 | J |
| " | " | 8/14/2007 | Ethylbenzene | 0.56 | J |
| " | " | 8/14/2007 | total 1,2-Dichloroethene | 0.27 | J |
| | | | | | |
| 23B-1 | UNIT 4 | 2/26/2007 | Barium | 600 | L |
| " | " | 2/26/2007 | Tetrachloroethene | 1 | J |
| " | " | 2/26/2007 | Trichloroethene | 1 | J |
| " | " | 2/26/2007 | Methylene chloride | 0.65 | J B |
| " | " | 2/26/2007 | Chlorobenzene | 0.56 | J |
| " | " | 2/26/2007 | delta-BHC | 0.0081 | J B |
| " | " | 8/14/2007 | Tetrachloroethene | 0.84 | J |
| " | " | 8/14/2007 | Trichloroethene | 0.81 | J |
| " | " | 8/14/2007 | Chlorobenzene | 0.49 | J |
| " | " | 8/14/2007 | Benzene | 0.23 | J |
| | | | | | |
| 23B-2 | UNIT 6 | 1/24/2007 | Barium | 670 | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 23B-2 (cont.) | UNIT 6 (cont.) | 1/24/2007 | Methylene chloride | 0.44 | J |
| " | " | 1/24/2007 | Trichloroethene | 0.28 | J |
| " | " | 1/24/2007 | Chlorobenzene | 0.22 | J |
| " | " | 1/24/2007 | Tetrachloroethene | 0.22 | J |
| " | " | 7/19/2007 | Trichloroethene | 0.35 | J |
| " | " | 7/19/2007 | Chlorobenzene | 0.27 | J |
| " | " | 7/19/2007 | 1,2-Dichloropropane | 0.16 | J |
| | | | | | |
| 23C | UNIT 8 | 1/24/2007 | Barium | 420 | |
| " | " | 1/24/2007 | Methylene chloride | 0.33 | J |
| | | | | | |
| 24A | UNIT 3 | 3/5/2007 | Barium | 14000 | |
| " | " | 3/5/2007 | Benzene | 8200 | |
| " | " | 3/5/2007 | Toluene | 1600 | |
| " | " | 3/5/2007 | 4-Methylphenol | 1300 | |
| " | " | 3/5/2007 | 3-Methylphenol | 1300 | |
| " | " | 3/5/2007 | Cobalt | 460 | |
| " | " | 3/5/2007 | Cyanide, Total | 230 | |
| " | " | 3/5/2007 | Arsenic | 140 | |
| " | " | 3/5/2007 | Nickel | 130 | |
| " | " | 3/5/2007 | Ethylbenzene | 100 | J |
| " | " | 3/5/2007 | Phenol | 98 | J |
| " | " | 3/5/2007 | Cadmium | 6.3 | |
| " | " | 3/5/2007 | Thionazin | 0.57 | J |
| " | " | 3/5/2007 | Phorate | 0.29 | J COL |
| " | " | 3/5/2007 | 4,4'-DDD | 0.16 | COL |
| " | " | 3/5/2007 | Heptachlor epoxide | 0.079 | COL |
| " | " | 3/5/2007 | 4,4'-DDT | 0.062 | J COL |
| " | " | 3/5/2007 | alpha-BHC | 0.034 | J COL |
| " | " | 8/21/2007 | Benzene | 8400 | |
| " | " | 8/21/2007 | Toluene | 1400 | |
| " | " | 8/21/2007 | 3-Methylphenol | 1200 | |
| " | " | 8/21/2007 | 4-Methylphenol | 1200 | |
| " | " | 8/21/2007 | Acetone | 640 | J B |
| " | " | 8/21/2007 | Cyanide, Total | 370 | q |
| " | " | 8/21/2007 | Phenol | 110 | |
| " | " | 8/21/2007 | Ethylbenzene | 96 | J |
| " | " | 8/21/2007 | 4-Nitroquinoline-1-oxide | 77 | J |
| " | " | 8/21/2007 | 2-Methylphenol | 37 | J |
| " | " | 8/21/2007 | Bis(2-ethylhexyl) phthalate | 22 | J |
| " | " | 8/21/2007 | Kepone | 1.1 | |
| " | " | 8/21/2007 | alpha-BHC | 0.083 | COL |
| " | " | 8/21/2007 | beta-Endosulfan | 0.02 | J COL |
| " | " | 8/21/2007 | Alpha-Endosulfan | 0.019 | J COL |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 24A (cont.) | UNIT 3 (cont.) | 8/21/2007 | Heptachlor epoxide | 0.014 | J COL |
| | | | | | |
| 24B-2 | UNIT 6 | 3/5/2007 | Barium | 710 | |
| " | " | 3/5/2007 | 1,2-Dichlorobenzene | 170 | |
| " | " | 3/5/2007 | Toluene | 64 | |
| " | " | 3/5/2007 | Total Xylenes | 61 | |
| " | " | 3/5/2007 | 4-Chloroaniline | 44 | |
| " | " | 3/5/2007 | Benzene | 38 | |
| " | " | 3/5/2007 | 2-Chlorophenol | 32 | |
| " | " | 3/5/2007 | Chlorobenzene | 27 | |
| " | " | 3/5/2007 | 2,4-Dichlorophenol | 24 | |
| " | " | 3/5/2007 | 2,6-Dichlorophenol | 19 | |
| " | " | 3/5/2007 | Ethylbenzene | 14 | |
| " | " | 3/5/2007 | Cyanide, Total | 12 | |
| " | " | 3/5/2007 | 2,4,5-TP (Silvex) | 10 | |
| " | " | 3/5/2007 | 1,4-Dichlorobenzene | 9.9 | J |
| " | " | 3/5/2007 | 3-Methylphenol | 6.5 | J |
| " | " | 3/5/2007 | 4-Methylphenol | 6.5 | J |
| " | " | 3/5/2007 | Tetrachloroethene | 6 | J |
| " | " | 3/5/2007 | 1,2,4-Trichlorobenzene | 4.1 | J |
| " | " | 3/5/2007 | Vinyl chloride | 3.3 | J |
| " | " | 3/5/2007 | Trichloroethene | 2.6 | J |
| " | " | 3/5/2007 | Aniline | 2.2 | J |
| " | " | 3/5/2007 | Naphthalene | 2.1 | J |
| " | " | 3/5/2007 | 1,1,2-Trichloroethane | 2 | J |
| " | " | 3/5/2007 | 1,1-Dichloroethene | 1.9 | J |
| " | " | 3/5/2007 | 2-Methylnaphthalene | 1.6 | J |
| " | " | 3/5/2007 | total 1,2-Dichloroethene | 0.99 | J |
| " | " | 3/5/2007 | Chloroform | 0.8 | J |
| " | " | 3/5/2007 | 1,1-Dichloroethane | 0.63 | J |
| " | " | 3/5/2007 | Heptachlor epoxide | 0.29 | |
| " | " | 3/5/2007 | Endrin aldehyde | 0.2 | COL |
| " | " | 3/5/2007 | gamma-BHC (Lindane) | 0.03 | J |
| " | " | 3/5/2007 | beta-Endosulfan | 0.012 | J COL |
| " | " | 3/5/2007 | delta-BHC | 0.011 | J COL |
| " | " | 8/21/2007 | 2,4-Dichlorophenoxy acetic acid | 1200 | |
| " | " | 8/21/2007 | 1,2-Dichlorobenzene | 140 | |
| " | " | 8/21/2007 | 4-Chloroaniline | 57 | |
| " | " | 8/21/2007 | Toluene | 50 | |
| " | " | 8/21/2007 | Total Xylenes | 47 | |
| " | " | 8/21/2007 | Benzene | 39 | |
| " | " | 8/21/2007 | 2-Chlorophenol | 34 | |
| " | " | 8/21/2007 | 2,4-Dichlorophenol | 30 | |
| " | " | 8/21/2007 | 2,4,5-T | 24 | COL |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 24B-2 (cont.) | UNIT 6 (cont.) | 8/21/2007 | Chlorobenzene | 21 | |
| " | " | 8/21/2007 | 2,6-Dichlorophenol | 21 | |
| " | " | 8/21/2007 | Ethylbenzene | 11 | |
| " | " | 8/21/2007 | 1,4-Dichlorobenzene | 9.1 | J |
| " | " | 8/21/2007 | 4-Methylphenol | 8.7 | J |
| " | " | 8/21/2007 | 3-Methylphenol | 8.7 | J |
| " | " | 8/21/2007 | Tetrachloroethene | 4.8 | J |
| " | " | 8/21/2007 | 1,2,4-Trichlorobenzene | 4.5 | J |
| " | " | 8/21/2007 | Vinyl chloride | 3.8 | J |
| " | " | 8/21/2007 | 1,2-Dichloroethane | 3.6 | J |
| " | " | 8/21/2007 | Trichloroethene | 2.5 | J |
| " | " | 8/21/2007 | Aniline | 2.4 | J |
| " | " | 8/21/2007 | Naphthalene | 2.3 | J |
| " | " | 8/21/2007 | 2-Methylnaphthalene | 2 | J |
| " | " | 8/21/2007 | 1,1-Dichloroethene | 1.2 | J |
| " | " | 8/21/2007 | 1,3-Dichlorobenzene | 1 | J |
| " | " | 8/21/2007 | total 1,2-Dichloroethene | 1 | J |
| " | " | 8/21/2007 | 1,2,3-Trichloropropane | 0.97 | J |
| " | " | 8/21/2007 | Chloroform | 0.8 | J |
| " | " | 8/21/2007 | Methylene chloride | 0.63 | J |
| " | " | 8/21/2007 | 1,1-Dichloroethane | 0.53 | J |
| " | " | 8/21/2007 | 1,2-Dichloropropane | 0.36 | J |
| " | " | 8/21/2007 | Endrin aldehyde | 0.071 | J COL |
| | | | | | |
| 24C | UNIT 8 | 1/24/2007 | Barium | 400 | |
| | | | | | |
| 24CL | UNIT 8 | 1/24/2007 | Barium | 540 | |
| | | | | | |
| 25A | UNIT 3 | 3/7/2007 | 1,2-Dichlorobenzene | 570 | |
| " | " | 3/7/2007 | Benzene | 470 | |
| " | " | 3/7/2007 | 2,4,5-Trichlorophenol | 280 | J |
| " | " | 3/7/2007 | Barium | 210 | |
| " | " | 3/7/2007 | Toluene | 150 | |
| " | " | 3/7/2007 | 2,4,5-T | 65 | |
| " | " | 3/7/2007 | Total Xylenes | 37 | J |
| " | " | 3/7/2007 | Ethylbenzene | 31 | J |
| " | " | 3/7/2007 | 2,4,5-TP (Silvex) | 9.5 | |
| " | " | 3/7/2007 | 1,2-Dichloropropane | 8 | J |
| " | " | 3/7/2007 | Methylene chloride | 5.9 | J B |
| " | " | 3/7/2007 | 1,1-Dichloroethane | 4.1 | J |
| " | " | 3/7/2007 | Chlorobenzene | 3.4 | J |
| " | " | 3/7/2007 | gamma-BHC (Lindane) | 0.78 | COL |
| " | " | 3/7/2007 | Isodrin | 0.25 | |
| " | " | 3/7/2007 | beta-Endosulfan | 0.16 | COL |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 25A (cont.) | UNIT 3 (cont.) | 3/7/2007 | Endosulfan sulfate | 0.096 | J COL |
| " | " | 8/27/2007 | 1,2-Dichlorobenzene | 620 | |
| " | " | 8/27/2007 | Benzene | 520 | |
| " | " | 8/27/2007 | Toluene | 230 | |
| " | " | 8/27/2007 | Acetone | 57 | J B |
| " | " | 8/27/2007 | 2,4,5-T | 42 | |
| " | " | 8/27/2007 | Total Xylenes | 33 | J |
| " | " | 8/27/2007 | Ethylbenzene | 28 | J |
| " | " | 8/27/2007 | 2,4-Dichlorophenoxy acetic acid | 21 | COL |
| " | " | 8/27/2007 | 1,2-Dichloropropane | 9.3 | J |
| " | " | 8/27/2007 | 2,4,5-TP (Silvex) | 6.5 | |
| " | " | 8/27/2007 | 1,1-Dichloroethane | 4.9 | J |
| " | " | 8/27/2007 | Methoxychlor | 0.16 | J |
| " | " | 8/27/2007 | Endrin | 0.15 | |
| " | " | 8/27/2007 | Isodrin | 0.014 | J COL |
| | | | | | |
| 25B-1 | UNIT 6 | 1/9/2007 | Barium | 430 | L |
| " | " | 7/10/2007 | 2-Chloro-1,3-butadiene (Chloroprene) | 0.27 | J |
| | | | | | |
| 26A | UNIT 4 | 3/8/2007 | Barium | 380 | |
| " | " | 3/8/2007 | total 1,2-Dichloroethene | 75 | |
| " | " | 3/8/2007 | Arsenic | 31 | |
| " | " | 3/8/2007 | Vinyl chloride | 9.8 | J |
| " | " | 3/8/2007 | 1,1-Dichloroethane | 7.2 | J |
| " | " | 3/8/2007 | Benzene | 4.2 | J |
| " | " | 3/8/2007 | Total Xylenes | 2.3 | J |
| " | " | 3/8/2007 | Chlorobenzene | 2.1 | J |
| " | " | 3/8/2007 | Ethylbenzene | 1.8 | J |
| " | " | 3/8/2007 | 1,2-Dichlorobenzene | 1.7 | J |
| " | " | 3/8/2007 | Trichloroethene | 1.1 | J |
| " | " | 3/8/2007 | Methylene chloride | 1.1 | J B |
| " | " | 3/8/2007 | 2,4-Dichlorophenoxy acetic acid | 0.99 | |
| " | " | 3/8/2007 | 1,2-Dichloroethane | 0.96 | J |
| " | " | 3/8/2007 | beta-BHC | 0.023 | J COL |
| " | " | 3/8/2007 | gamma-BHC (Lindane) | 0.022 | J |
| " | " | 8/27/2007 | total 1,2-Dichloroethene | 120 | |
| " | " | 8/27/2007 | Acetone | 45 | J B |
| " | " | 8/27/2007 | Chloromethane | 34 | J |
| " | " | 8/27/2007 | Vinyl chloride | 22 | J |
| " | " | 8/27/2007 | Benzene | 15 | J |
| " | " | 8/27/2007 | Toluene | 7.1 | J |
| " | " | 8/27/2007 | Ethylbenzene | 6.2 | J |
| " | " | 8/27/2007 | Total Xylenes | 6 | J |
| " | " | 8/27/2007 | 1,1-Dichloroethane | 5.7 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 27A | UNIT 3 | 3/8/2007 | 1,1,2-Trichloroethane | 3400 | |
| " | " | 3/8/2007 | 1,2-Dichloroethane | 1800 | |
| " | " | 3/8/2007 | Vinyl chloride | 1700 | |
| " | " | 3/8/2007 | Barium | 1000 | |
| " | " | 3/8/2007 | Benzene | 910 | |
| " | " | 3/8/2007 | Trichloroethene | 790 | |
| " | " | 3/8/2007 | total 1,2-Dichloroethene | 570 | |
| " | " | 3/8/2007 | Chloroform | 450 | J |
| " | " | 3/8/2007 | Tetrachloroethene | 180 | J |
| " | " | 3/8/2007 | 1,1-Dichloroethene | 140 | J |
| " | " | 3/8/2007 | 1,2,3-Trichloropropane | 140 | J |
| " | " | 3/8/2007 | 1,1,1,2-Tetrachloroethane | 75 | J |
| " | " | 3/8/2007 | Toluene | 68 | J |
| " | " | 3/8/2007 | Chlorobenzene | 59 | J |
| " | " | 3/8/2007 | Total Xylenes | 28 | J |
| " | " | 3/8/2007 | Naphthalene | 22 | |
| " | " | 3/8/2007 | 1,2-Dichlorobenzene | 18 | |
| " | " | 3/8/2007 | 2,4-Dichlorophenoxy acetic acid | 12 | CHI |
| " | " | 3/8/2007 | 2-Methylnaphthalene | 5.5 | J |
| " | " | 3/8/2007 | 2,4,5-TP (Silvex) | 4.8 | |
| " | " | 3/8/2007 | 1,4-Dichlorobenzene | 3.3 | J |
| " | " | 3/8/2007 | Phenol | 2.8 | J |
| " | " | 3/8/2007 | Hexachloroethane | 2.2 | J |
| " | " | 3/8/2007 | 2,4-Dichlorophenol | 1.7 | J |
| " | " | 3/8/2007 | 1,3-Dichlorobenzene | 1.5 | J |
| " | " | 3/8/2007 | Thionazin | 0.35 | J COL |
| " | " | 3/8/2007 | 4,4'-DDT | 0.13 | |
| " | " | 3/8/2007 | alpha-BHC | 0.1 | COL |
| " | " | 3/8/2007 | gamma-BHC (Lindane) | 0.065 | COL |
| " | " | 8/27/2007 | 1,1,2-Trichloroethane | 3100 | |
| " | " | 8/27/2007 | 1,2-Dichloroethane | 2000 | |
| " | " | 8/27/2007 | Vinyl chloride | 1700 | |
| " | " | 8/27/2007 | Trichloroethene | 1000 | |
| " | " | 8/27/2007 | Benzene | 890 | |
| " | " | 8/27/2007 | total 1,2-Dichloroethene | 870 | |
| " | " | 8/27/2007 | Chloroform | 440 | J |
| " | " | 8/27/2007 | Acetone | 260 | J B |
| " | " | 8/27/2007 | 1,1-Dichloroethene | 160 | J |
| " | " | 8/27/2007 | Tetrachloroethene | 110 | J |
| " | " | 8/27/2007 | 1,1,1,2-Tetrachloroethane | 46 | J |
| " | " | 8/27/2007 | Chlorobenzene | 45 | J |
| " | " | 8/27/2007 | Toluene | 44 | J |
| " | " | 8/27/2007 | Methylene chloride | 39 | J |
| " | " | 8/27/2007 | Naphthalene | 18 | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 27A (cont.) | UNIT 3 (cont.) | 8/27/2007 | 2-Methylnaphthalene | 4.1 | J |
| " | " | 8/27/2007 | 2,4,5-TP (Silvex) | 4 | COL |
| " | " | 8/27/2007 | 2,4,5-T | 3.9 | |
| " | " | 8/27/2007 | 1,4-Dichlorobenzene | 2.9 | J |
| " | " | 8/27/2007 | 2,4-Dichlorophenol | 2 | J |
| " | " | 8/27/2007 | 1,2,4-Trichlorobenzene | 1.2 | J |
| " | " | 8/27/2007 | 1,3-Dichlorobenzene | 1 | J |
| " | " | 8/27/2007 | gamma-BHC (Lindane) | 0.075 | COL |
| " | " | 8/27/2007 | beta-Endosulfan | 0.021 | J |
| " | " | 8/27/2007 | Aldrin | 0.017 | J COL |
| " | " | 8/27/2007 | delta-BHC | 0.014 | J COL |
| " | " | 8/27/2007 | Isodrin | 0.012 | J COL |
| | | | | | |
| 28A | UNIT 3 | 3/8/2007 | 1,1-Dichloroethene | 1600 | |
| " | " | 3/8/2007 | Chlorobenzene | 1100 | |
| " | " | 3/8/2007 | Barium | 260 | |
| " | " | 3/8/2007 | Tetrachloroethene | 170 | |
| " | " | 3/8/2007 | 1,2-Dichloroethane | 150 | |
| " | " | 3/8/2007 | Vinyl chloride | 81 | J |
| " | " | 3/8/2007 | Trichloroethene | 70 | J |
| " | " | 3/8/2007 | 1,1-Dichloroethane | 68 | J |
| " | " | 3/8/2007 | 1,1,2-Trichloroethane | 58 | J |
| " | " | 3/8/2007 | Methylene chloride | 27 | J B |
| " | " | 3/8/2007 | total 1,2-Dichloroethene | 18 | J |
| " | " | 3/8/2007 | Benzene | 14 | J |
| " | " | 3/8/2007 | 1,2-Dichlorobenzene | 2.9 | J |
| " | " | 3/8/2007 | o,o,o-Triethylphosphorothioate | 2.8 | J |
| " | " | 3/8/2007 | 2,4-Dichlorophenoxy acetic acid | 0.66 | J COL |
| " | " | 3/8/2007 | gamma-BHC (Lindane) | 0.055 | |
| " | " | 3/8/2007 | alpha-BHC | 0.019 | J COL |
| " | " | 8/27/2007 | 1,1-Dichloroethene | 2200 | |
| " | " | 8/27/2007 | Chlorobenzene | 1600 | |
| " | " | 8/27/2007 | 1,2-Dichloroethane | 310 | J |
| " | " | 8/27/2007 | Tetrachloroethene | 300 | J |
| " | " | 8/27/2007 | Acetone | 180 | J B |
| " | " | 8/27/2007 | Trichloroethene | 79 | J |
| " | " | 8/27/2007 | 1,1,2-Trichloroethane | 70 | J |
| " | " | 8/27/2007 | 1,1-Dichloroethane | 67 | J |
| " | " | 8/27/2007 | Benzene | 23 | J |
| " | " | 8/27/2007 | total 1,2-Dichloroethene | 18 | J |
| " | " | 8/27/2007 | 2,4,5-TP (Silvex) | 0.88 | COL |
| " | " | 8/27/2007 | gamma-BHC (Lindane) | 0.065 | |
| " | " | 8/27/2007 | Aldrin | 0.02 | J COL |
| " | " | 8/27/2007 | alpha-BHC | 0.017 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 28B-1 | UNIT 6 | 1/10/2007 | Barium | 550 | L |
| " | " | 1/10/2007 | Chromium | 25 | |
| " | " | 1/10/2007 | 1,2-Dichloroethane | 15 | |
| " | " | 1/10/2007 | Benzene | 13 | |
| " | " | 1/10/2007 | 1,1,2-Trichloroethane | 3.8 | J |
| " | " | 1/10/2007 | 1,1-Dichloroethene | 2.5 | J |
| " | " | 1/10/2007 | 1,1-Dichloroethane | 1.8 | J |
| " | " | 1/10/2007 | total 1,2-Dichloroethene | 1.5 | J |
| " | " | 1/10/2007 | Chlorobenzene | 1.3 | J |
| " | " | 1/10/2007 | Trichloroethene | 1.1 | J |
| " | " | 1/10/2007 | Vinyl chloride | 1 | J |
| " | " | 1/10/2007 | Tetrachloroethene | 0.41 | J |
| " | " | 1/10/2007 | Methylene chloride | 0.39 | J |
| " | " | 1/10/2007 | 1,2-Dichloropropane | 0.3 | J |
| " | " | 1/10/2007 | Toluene | 0.28 | J |
| " | " | 1/10/2007 | Chloroform | 0.25 | J |
| " | " | 1/10/2007 | Total Xylenes | 0.2 | J |
| " | " | 8/27/2007 | 1,2-Dichloroethane | 23 | |
| " | " | 8/27/2007 | Benzene | 17 | |
| " | " | 8/27/2007 | 1,1,2-Trichloroethane | 5.4 | |
| " | " | 8/27/2007 | 1,1-Dichloroethane | 3 | J |
| " | " | 8/27/2007 | total 1,2-Dichloroethene | 2.7 | J |
| " | " | 8/27/2007 | 1,1-Dichloroethene | 2.5 | J |
| " | " | 8/27/2007 | Chlorobenzene | 1.8 | J |
| " | " | 8/27/2007 | Trichloroethene | 1.6 | J |
| " | " | 8/27/2007 | Tetrachloroethene | 0.52 | J |
| " | " | 8/27/2007 | Toluene | 0.46 | J |
| " | " | 8/27/2007 | 1,2-Dichloropropane | 0.45 | J |
| " | " | 8/27/2007 | Chloroform | 0.39 | J |
| " | " | 8/27/2007 | Methylene chloride | 0.38 | J |
| " | " | 8/27/2007 | Total Xylenes | 0.26 | J |
| | | | | | |
| 29A | UNIT 4 | 4/26/2007 | Toluene | 560 | |
| " | " | 4/26/2007 | Toluene | 560 | |
| " | " | 4/26/2007 | Benzene | 200 | J |
| " | " | 4/26/2007 | Benzene | 180 | |
| " | " | 4/26/2007 | 1,2-Dichloroethane | 180 | J |
| " | " | 4/26/2007 | 1,2-Dichloroethane | 170 | |
| " | " | 4/26/2007 | 1,1,2-Trichloroethane | 100 | J |
| " | " | 4/26/2007 | 1,1,2-Trichloroethane | 96 | |
| " | " | 4/26/2007 | Chlorobenzene | 77 | J |
| " | " | 4/26/2007 | Chlorobenzene | 64 | |
| " | " | 4/26/2007 | Styrene | 33 | J |
| " | " | 4/26/2007 | Ethylbenzene | 28 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 29A (cont.) | UNIT 4 (cont.) | 4/26/2007 | Total Xylenes | 22 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethane | 17 | J |
| " | " | 4/26/2007 | Ethylbenzene | 16 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethane | 15 | J |
| " | " | 4/26/2007 | Styrene | 9.7 | J |
| " | " | 4/26/2007 | Trichloroethene | 8.3 | J |
| " | " | 4/26/2007 | Tetrachloroethene | 5.7 | J |
| " | " | 4/26/2007 | total 1,2-Dichloroethene | 3.9 | J |
| " | " | 4/26/2007 | 1,2-Dichloropropane | 2.7 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethene | 1.6 | J |
| " | " | 10/11/2007 | Toluene | 850 | |
| " | " | 10/11/2007 | Benzene | 400 | |
| " | " | 10/11/2007 | 1,2-Dichloroethane | 170 | |
| " | " | 10/11/2007 | Chlorobenzene | 110 | |
| " | " | 10/11/2007 | 1,1,2-Trichloroethane | 98 | J |
| " | " | 10/11/2007 | Total Xylenes | 36 | J |
| " | " | 10/11/2007 | Vinyl chloride | 34 | J |
| " | " | 10/11/2007 | Ethylbenzene | 29 | J |
| " | " | 10/11/2007 | Trichloroethene | 17 | J |
| " | " | 10/11/2007 | total 1,2-Dichloroethene | 15 | J |
| " | " | 10/11/2007 | 1,2-Dibromoethane | 11 | J |
| " | " | 10/11/2007 | 1,1-Dichloroethane | 9.2 | J |
| " | " | 10/11/2007 | Styrene | 6.8 | J |
| " | " | 10/11/2007 | Tetrachloroethene | 5.1 | J |
| | | | | | |
| 30A | UNIT 4 | 4/26/2007 | Chlorobenzene | 1600 | |
| " | " | 4/26/2007 | Trichloroethene | 610 | |
| " | " | 4/26/2007 | 1,2-Dichloroethane | 340 | |
| " | " | 4/26/2007 | total 1,2-Dichloroethene | 300 | J |
| " | " | 4/26/2007 | Acetone | 290 | J B |
| " | " | 4/26/2007 | Benzene | 250 | J |
| " | " | 4/26/2007 | 1,1,2-Trichloroethane | 210 | J |
| " | " | 4/26/2007 | Ethylbenzene | 99 | J |
| " | " | 4/26/2007 | Carbon tetrachloride | 64 | J |
| " | " | 4/26/2007 | Toluene | 55 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethene | 43 | J |
| " | " | 4/26/2007 | Styrene | 40 | J |
| " | " | 4/26/2007 | Chloroform | 37 | J |
| " | " | 4/26/2007 | Tetrachloroethene | 26 | J |
| " | " | 10/11/2007 | Carbon tetrachloride | 2800 | |
| " | " | 10/11/2007 | Chlorobenzene | 1400 | |
| " | " | 10/11/2007 | Benzene | 990 | |
| " | " | 10/11/2007 | 1,2-Dichloroethane | 720 | |
| " | " | 10/11/2007 | Ethylbenzene | 580 | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 30A (cont.) | UNIT 4 (cont.) | 10/11/2007 | Trichloroethene | 550 | |
| " | " | 10/11/2007 | 1,1,2-Trichloroethane | 430 | J |
| " | " | 10/11/2007 | Toluene | 410 | J |
| " | " | 10/11/2007 | Chloroform | 360 | J |
| " | " | 10/11/2007 | total 1,2-Dichloroethene | 240 | J |
| " | " | 10/11/2007 | Styrene | 200 | J |
| " | " | 10/11/2007 | 1,1-Dichloroethene | 96 | J |
| " | " | 10/11/2007 | Tetrachloroethene | 73 | J |
| " | " | 10/11/2007 | Total Xylenes | 55 | J |
| " | " | 10/11/2007 | Methylene chloride | 54 | J B |
| " | " | 10/11/2007 | 1,2-Dichloropropane | 26 | J |
| | | | | | |
| 30B-1 | UNIT 6 | 1/10/2007 | Barium | 300 | L |
| | | | | | |
| 31B-1L | UNIT 4 | 3/13/2007 | Barium | 240 | |
| " | " | 3/13/2007 | Aldrin | 0.0064 | J |
| | | | | | |
| 31B-1U | UNIT 4 | 2/13/2007 | Barium | 120 | |
| | | | | | |
| 31B-2 | UNIT 6 | 3/13/2007 | Barium | 460 | |
| " | " | 3/13/2007 | Benzene | 170 | |
| " | " | 3/13/2007 | Carbon tetrachloride | 140 | |
| " | " | 3/13/2007 | Chloroform | 84 | |
| " | " | 3/13/2007 | Chlorobenzene | 66 | |
| " | " | 3/13/2007 | 1,2-Dichloroethane | 55 | |
| " | " | 3/13/2007 | 1,2,4-Trichlorobenzene | 14 | |
| " | " | 3/13/2007 | 2,4-Dichlorophenol | 12 | |
| " | " | 3/13/2007 | Total Xylenes | 9.3 | J |
| " | " | 3/13/2007 | Methylene chloride | 9.3 | J |
| " | " | 3/13/2007 | Naphthalene | 9 | J |
| " | " | 3/13/2007 | Carbon disulfide | 8.4 | J |
| " | " | 3/13/2007 | 1,1,2-Trichloroethane | 8 | J |
| " | " | 3/13/2007 | o,o,o-Triethylphosphorothioate | 7 | J |
| " | " | 3/13/2007 | Nitrobenzene | 6.9 | J |
| " | " | 3/13/2007 | Tetrachloroethene | 5.6 | J |
| " | " | 3/13/2007 | 1,2-Dichlorobenzene | 4.6 | J |
| " | " | 3/13/2007 | 4-Chloroaniline | 4.5 | J |
| " | " | 3/13/2007 | Trichloroethene | 2.6 | J |
| " | " | 3/13/2007 | 2,4,5-TP (Silvex) | 2.4 | |
| " | " | 3/13/2007 | 1,1-Dichloroethene | 2.2 | J |
| " | " | 3/13/2007 | 2,4,5-TP (Silvex) | 2.1 | |
| " | " | 3/13/2007 | 1,2-Dichloropropane | 1.8 | J |
| " | " | 8/28/2007 | Carbon tetrachloride | 270 | |
| " | " | 8/28/2007 | Benzene | 220 | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 31B-2 (cont.) | UNIT 6 (cont.) | 8/28/2007 | Chloroform | 140 | |
| " | " | 8/28/2007 | Chlorobenzene | 89 | |
| " | " | 8/28/2007 | 1,2-Dichloroethane | 85 | |
| " | " | 8/28/2007 | 1,2,4-Trichlorobenzene | 23 | |
| " | " | 8/28/2007 | 2,4-Dichlorophenol | 19 | |
| " | " | 8/28/2007 | Total Xylenes | 17 | J |
| " | " | 8/28/2007 | Methylene chloride | 15 | J |
| " | " | 8/28/2007 | Naphthalene | 14 | |
| " | " | 8/28/2007 | o,o,o-Triethylphosphorothioate | 12 | |
| " | " | 8/28/2007 | 1,1,2-Trichloroethane | 9.2 | J |
| " | " | 8/28/2007 | Nitrobenzene | 8.8 | J |
| " | " | 8/28/2007 | Tetrachloroethene | 8.3 | J |
| " | " | 8/28/2007 | 1,2-Dichlorobenzene | 6.9 | J |
| " | " | 8/28/2007 | Vinyl chloride | 5.3 | J |
| " | " | 8/28/2007 | 1,1-Dichloroethene | 5.2 | J |
| " | " | 8/28/2007 | Trichloroethene | 4 | J |
| " | " | 8/28/2007 | 1,2-Dichloropropane | 2.3 | J |
| " | " | 8/28/2007 | Toluene | 2.3 | J |
| " | " | 8/28/2007 | 2,4,5-TP (Silvex) | 1.8 | COL |
| " | " | 8/28/2007 | 1,4-Dichlorobenzene | 1.6 | J |
| " | " | 8/28/2007 | 2-Methylnaphthalene | 1.4 | J |
| " | " | 8/28/2007 | 2,4-Dichlorophenoxy acetic acid | 0.93 | COL |
| " | " | 8/28/2007 | 2,4,5-T | 0.91 | COL |
| | | | | | |
| 31C | UNIT 8 | 2/13/2007 | Barium | 470 | |
| " | " | 2/13/2007 | Carbon disulfide | 0.9 | J B |
| | | | | | |
| 32B-1 | UNIT 4 | 3/7/2007 | Barium | 1100 | |
| " | " | 3/7/2007 | Benzene | 120 | |
| " | " | 3/7/2007 | Vinyl chloride | 110 | |
| " | " | 3/7/2007 | 1,2-Dichloroethane | 30 | |
| " | " | 3/7/2007 | Chlorobenzene | 26 | |
| " | " | 3/7/2007 | 1,2-Dichlorobenzene | 25 | |
| " | " | 3/7/2007 | 2,4,5-TP (Silvex) | 16 | |
| " | " | 3/7/2007 | 1,1,2-Trichloroethane | 10 | J |
| " | " | 3/7/2007 | total 1,2-Dichloroethene | 9.1 | J |
| " | " | 3/7/2007 | 4-Chloroaniline | 5.7 | J |
| " | " | 3/7/2007 | Tetrachloroethene | 5.5 | J |
| " | " | 3/7/2007 | 1,4-Dichlorobenzene | 5.3 | J |
| " | " | 3/7/2007 | 2,4-Dichlorophenol | 5 | J |
| " | " | 3/7/2007 | Trichloroethene | 4.3 | J |
| " | " | 3/7/2007 | 2,6-Dichlorophenol | 4 | J |
| " | " | 3/7/2007 | Toluene | 3.2 | J |
| " | " | 3/7/2007 | Chloroform | 3 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 32B-1 (cont.) | UNIT 4 (cont.) | 3/7/2007 | Total Xylenes | 2.9 | J |
| " | " | 3/7/2007 | Methylene chloride | 2.8 | J B |
| " | " | 3/7/2007 | Ethylbenzene | 2.7 | J |
| " | " | 3/7/2007 | 1,1-Dichloroethane | 2.6 | J |
| " | " | 3/7/2007 | Atrazine | 1.7 | J COL |
| " | " | 3/7/2007 | 1,2-Dichloropropane | 1.6 | J |
| " | " | 3/7/2007 | 1,1-Dichloroethene | 1.6 | J |
| " | " | 3/7/2007 | delta-BHC | 0.027 | J |
| " | " | 8/23/2007 | Benzene | 82 | |
| " | " | 8/23/2007 | Vinyl chloride | 57 | |
| " | " | 8/23/2007 | 1,2-Dichloroethane | 32 | |
| " | " | 8/23/2007 | 1,2-Dichlorobenzene | 27 | |
| " | " | 8/23/2007 | Chlorobenzene | 20 | |
| " | " | 8/23/2007 | 2,4,5-TP (Silvex) | 16 | |
| " | " | 8/23/2007 | total 1,2-Dichloroethene | 10 | J |
| " | " | 8/23/2007 | Acetone | 8.3 | J B |
| " | " | 8/23/2007 | Tetrachloroethene | 7.8 | J |
| " | " | 8/23/2007 | 2,4-Dichlorophenol | 5.5 | J |
| " | " | 8/23/2007 | Trichloroethene | 5 | J |
| " | " | 8/23/2007 | 2,6-Dichlorophenol | 4.9 | J |
| " | " | 8/23/2007 | 4-Chloroaniline | 4.6 | J |
| " | " | 8/23/2007 | 1,4-Dichlorobenzene | 3.7 | J |
| " | " | 8/23/2007 | Toluene | 2.5 | J |
| " | " | 8/23/2007 | Total Xylenes | 2.3 | J |
| " | " | 8/23/2007 | Ethylbenzene | 2.3 | J |
| " | " | 8/23/2007 | 2,4,5-Trichlorophenol | 2.2 | J |
| " | " | 8/23/2007 | 1,1-Dichloroethane | 2 | J |
| " | " | 8/23/2007 | 1,1,2-Trichloroethane | 2 | J |
| " | " | 8/23/2007 | 2,4-Dichlorophenoxy acetic acid | 1.9 | COL |
| " | " | 8/23/2007 | Bis(2-ethylhexyl) phthalate | 1.8 | J |
| " | " | 8/23/2007 | 1,2-Dichloropropane | 1.6 | J |
| " | " | 8/23/2007 | Methylene chloride | 1.5 | J B |
| " | " | 8/23/2007 | Chloroform | 1.3 | J |
| " | " | 8/23/2007 | 1,1-Dichloroethene | 1.1 | J |
| " | " | 8/23/2007 | 2,4,6-Trichlorophenol | 1.1 | J |
| " | " | 8/23/2007 | 2,4,5-T | 0.54 | |
| | | | | | |
| 32B-2 | UNIT 6 | 3/7/2007 | Barium | 1200 | |
| " | " | 3/7/2007 | Vinyl chloride | 220 | |
| " | " | 3/7/2007 | Benzene | 130 | |
| " | " | 3/7/2007 | Arsenic | 91 | |
| " | " | 3/7/2007 | Chlorobenzene | 63 | |
| " | " | 3/7/2007 | 1,2-Dichloroethane | 45 | |
| " | " | 3/7/2007 | 1,1,2-Trichloroethane | 41 | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 32B-2 (cont.) | UNIT 6 (cont.) | 3/7/2007 | 1,2,4-Trichlorobenzene | 33 | |
| " | " | 3/7/2007 | 1,2-Dichlorobenzene | 12 | |
| " | " | 3/7/2007 | 1,1-Dichloroethene | 8.4 | J |
| " | " | 3/7/2007 | o,o,o-Triethylphosphorothioate | 6.7 | J |
| " | " | 3/7/2007 | 1,4-Dichlorobenzene | 6.4 | J |
| " | " | 3/7/2007 | 4-Chloroaniline | 5.4 | J |
| " | " | 3/7/2007 | Total Xylenes | 4.9 | J |
| " | " | 3/7/2007 | total 1,2-Dichloroethene | 4 | J |
| " | " | 3/7/2007 | Atrazine | 3.7 | J |
| " | " | 3/7/2007 | Trichloroethene | 3.7 | J |
| " | " | 3/7/2007 | 2,4-Dichlorophenol | 3.5 | J |
| " | " | 3/7/2007 | Toluene | 3.3 | J |
| " | " | 3/7/2007 | Methylene chloride | 2.9 | J B |
| " | " | 3/7/2007 | Ethylbenzene | 2.5 | J |
| " | " | 3/7/2007 | 1,1-Dichloroethane | 1.5 | J |
| " | " | 3/7/2007 | Tetrachloroethene | 1.4 | J |
| " | " | 3/7/2007 | Chloroform | 0.82 | J |
| " | " | 3/7/2007 | delta-BHC | 0.024 | J COL |
| " | " | 3/7/2007 | gamma-BHC (Lindane) | 0.017 | J |
| " | " | 3/7/2007 | Endosulfan sulfate | 0.0088 | J COL |
| " | " | 8/23/2007 | Vinyl chloride | 180 | |
| " | " | 8/23/2007 | Benzene | 97 | |
| " | " | 8/23/2007 | Chlorobenzene | 59 | |
| " | " | 8/23/2007 | 1,2,4-Trichlorobenzene | 39 | |
| " | " | 8/23/2007 | 1,2-Dichloroethane | 28 | |
| " | " | 8/23/2007 | 1,2-Dichlorobenzene | 12 | |
| " | " | 8/23/2007 | 1,1,2-Trichloroethane | 7.8 | J |
| " | " | 8/23/2007 | o,o,o-Triethylphosphorothioate | 7.7 | J |
| " | " | 8/23/2007 | 4-Chloroaniline | 6.9 | J |
| " | " | 8/23/2007 | 1,4-Dichlorobenzene | 5.8 | J |
| " | " | 8/23/2007 | 1,1-Dichloroethene | 5.6 | J |
| " | " | 8/23/2007 | Total Xylenes | 4.1 | J |
| " | " | 8/23/2007 | Trichloroethene | 3.6 | J |
| " | " | 8/23/2007 | total 1,2-Dichloroethene | 3.1 | J |
| " | " | 8/23/2007 | 2,4-Dichlorophenol | 3.1 | J |
| " | " | 8/23/2007 | Toluene | 2.5 | J |
| " | " | 8/23/2007 | Tetrachloroethene | 2.4 | J |
| " | " | 8/23/2007 | Ethylbenzene | 2.3 | J |
| " | " | 8/23/2007 | 2,4-Dichlorophenoxy acetic acid | 2.3 | COL |
| " | " | 8/23/2007 | Methylene chloride | 1.6 | J B |
| " | " | 8/23/2007 | 2,4,5-TP (Silvex) | 1.3 | COL |
| " | " | 8/23/2007 | 1,1-Dichloroethane | 1.2 | J |
| " | " | 8/23/2007 | 2,4,5-T | 0.38 | COL |
| | | | | | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 33A | UNIT 3 | 2/8/2007 | Barium | 360 | |
| " | " | 2/8/2007 | Nickel | 330 | |
| " | " | 2/8/2007 | Chromium | 280 | |
| " | " | 2/8/2007 | Atrazine | 17 | J |
| " | " | 2/8/2007 | Methylene chloride | 0.52 | J B |
| " | " | 8/1/2007 | 1,2-Dichloroethane | 0.19 | J |
| | | | | | |
| 33B-1 | UNIT 4 | 2/8/2007 | Barium | 420 | |
| " | " | 2/8/2007 | Atrazine | 1.8 | J |
| " | " | 2/8/2007 | Methylene chloride | 0.5 | J B |
| " | " | 8/1/2007 | Methylene chloride | 0.37 | J B |
| | | | | | |
| 33B-2 | UNIT 6 | 2/27/2007 | Barium | 300 | |
| " | " | 2/27/2007 | Methylene chloride | 0.53 | J B |
| " | " | 2/27/2007 | 1,2-Dichloroethane | 0.38 | J |
| " | " | 2/27/2007 | 1,1-Dichloroethane | 0.22 | J |
| " | " | 8/7/2007 | 1,2-Dichloroethane | 0.37 | J |
| | | | | | |
| 33CL | UNIT 8 | 2/28/2007 | Barium | 630 | |
| " | " | 2/28/2007 | 1,1-Dichloroethane | 2.5 | J |
| " | " | 2/28/2007 | 2-Hexanone | 2.2 | J |
| " | " | 2/28/2007 | 1,2-Dichloroethane | 1.4 | J |
| " | " | 2/28/2007 | Ethylbenzene | 0.56 | J |
| " | " | 2/28/2007 | Benzene | 0.38 | J B |
| " | " | 8/7/2007 | 1,1-Dichloroethane | 2.8 | J |
| " | " | 8/7/2007 | Acetone | 2 | J |
| " | " | 8/7/2007 | 1,2-Dichloroethane | 1.2 | J |
| " | " | 8/7/2007 | Toluene | 0.86 | J |
| " | " | 8/7/2007 | Ethylbenzene | 0.61 | J |
| " | " | 8/7/2007 | Benzene | 0.34 | J |
| | | | | | |
| 33CU | UNIT 8 | 2/28/2007 | Barium | 580 | |
| " | " | 2/28/2007 | 1,1-Dichloroethane | 6.9 | |
| " | " | 2/28/2007 | 1,2-Dichloropropane | 4.8 | J |
| " | " | 2/28/2007 | 1,2-Dichloroethane | 3 | J |
| " | " | 2/28/2007 | 2-Butanone (MEK) | 3 | J |
| " | " | 2/28/2007 | Benzene | 1.1 | J B |
| " | " | 2/28/2007 | total 1,2-Dichloroethene | 0.63 | J |
| " | " | 2/28/2007 | Trichloroethene | 0.47 | J |
| " | " | 2/28/2007 | Tetrachloroethene | 0.33 | J |
| " | " | 2/28/2007 | Ethylbenzene | 0.26 | J |
| " | " | 2/28/2007 | Total Xylenes | 0.24 | J |
| " | " | 8/7/2007 | 1,1-Dichloroethane | 7 | |
| " | " | 8/7/2007 | 1,2-Dichloropropane | 4.3 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 33CU (cont.) | UNIT 8 (cont.) | 8/7/2007 | 2-Butanone (MEK) | 2.7 | J |
| 33CU | UNIT 8 | 8/7/2007 | 1,2-Dichloroethane | 2.5 | J |
| " | " | 8/7/2007 | Benzene | 1.1 | J |
| " | " | 8/7/2007 | total 1,2-Dichloroethene | 0.74 | J |
| " | " | 8/7/2007 | Trichloroethene | 0.51 | J |
| " | " | 8/7/2007 | Ethylbenzene | 0.28 | J |
| | | | | | |
| 34A | UNIT 3 | 3/6/2007 | Barium | 190 | |
| " | " | 3/6/2007 | Nickel | 88 | |
| | | | | | |
| 34B-1 | UNIT 4 | 3/6/2007 | Barium | 520 | |
| " | " | 3/6/2007 | 1,2,4-Trichlorobenzene | 44 | |
| " | " | 3/6/2007 | 1,1,2-Trichloroethane | 15 | |
| " | " | 3/6/2007 | 1,4-Dichlorobenzene | 1.6 | J |
| " | " | 3/6/2007 | Chlorobenzene | 0.85 | J |
| " | " | 3/6/2007 | 1,2-Dichloroethane | 0.54 | J |
| " | " | 3/6/2007 | 1,1-Dichloroethene | 0.27 | J |
| " | " | 3/6/2007 | Chloroform | 0.18 | J |
| " | " | 3/6/2007 | Trichloroethene | 0.16 | J |
| " | " | 8/22/2007 | 1,2,4-Trichlorobenzene | 53 | |
| " | " | 8/22/2007 | 1,2,4-Trichlorobenzene | 42 | |
| " | " | 8/22/2007 | 1,1,2-Trichloroethane | 16 | |
| " | " | 8/22/2007 | 1,4-Dichlorobenzene | 1.6 | J |
| " | " | 8/22/2007 | 1,4-Dichlorobenzene | 1.6 | J |
| " | " | 8/22/2007 | 1,3-Dichlorobenzene | 1.2 | J |
| " | " | 8/22/2007 | 1,2-Dichlorobenzene | 1.2 | J |
| " | " | 8/22/2007 | 1,3-Dichlorobenzene | 1.1 | J |
| " | " | 8/22/2007 | 1,2-Dichlorobenzene | 1.1 | J |
| " | " | 8/22/2007 | Chlorobenzene | 0.86 | J |
| " | " | 8/22/2007 | 1,2-Dichloroethane | 0.72 | J |
| " | " | 8/22/2007 | 1,1-Dichloroethene | 0.3 | J |
| " | " | 8/22/2007 | Chloroform | 0.25 | J |
| " | " | 8/22/2007 | Trichloroethene | 0.18 | J |
| | | | | | |
| 35A | UNIT 3 | 1/31/2007 | Nickel | 410 | |
| " | " | 1/31/2007 | Barium | 320 | |
| " | " | 1/31/2007 | Chromium | 66 | |
| " | " | 1/31/2007 | Tetrachloroethene | 0.35 | J |
| " | " | 7/24/2007 | Tetrachloroethene | 1.2 | J |
| " | " | 7/24/2007 | Trichloroethene | 0.52 | J |
| | | | | | |
| 35B-1 | UNIT 4 | 1/31/2007 | Barium | 580 | |
| | | | | | |
| 35B-2 | UNIT 6 | 4/30/2007 | Total Xylenes | 0.39 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 36B-1 | UNIT 4 | 1/25/2007 | Barium | 530 | |
| " | " | 1/25/2007 | Methylene chloride | 0.34 | J |
| | | | | | |
| 37A | UNIT 3 | 3/12/2007 | Barium | 400 | |
| " | " | 3/12/2007 | Arsenic | 160 | |
| " | " | 3/12/2007 | Benzene | 9.8 | |
| " | " | 3/12/2007 | Ethylbenzene | 2 | J |
| " | " | 3/12/2007 | Total Xylenes | 0.63 | J |
| " | " | 3/12/2007 | Chloroethane | 0.5 | J |
| " | " | 3/12/2007 | Chlorobenzene | 0.38 | J |
| " | " | 3/12/2007 | Toluene | 0.25 | J |
| " | " | 8/16/2007 | Benzene | 9.4 | |
| " | " | 8/16/2007 | Ethylbenzene | 1.6 | J |
| " | " | 8/16/2007 | Total Xylenes | 0.42 | J |
| " | " | 8/16/2007 | Chlorobenzene | 0.32 | J |
| | | | | | |
| 37B-1 | UNIT 4 | 1/25/2007 | Barium | 450 | |
| " | " | 1/25/2007 | Nickel | 60 | |
| " | " | 1/25/2007 | Acetone | 3.1 | J |
| | | | | | |
| 37B-2 | UNIT 6 | 1/25/2007 | Barium | 520 | |
| " | " | 1/25/2007 | Methylene chloride | 0.36 | J |
| | | | | | |
| 38A | UNIT 4 | 1/23/2007 | Barium | 300 | |
| | | | | | |
| 38B-1 | UNIT 6 | 1/23/2007 | Barium | 730 | |
| | | | | | |
| 39A | UNIT 3 | 1/11/2007 | Barium | 350 | L |
| " | " | 7/11/2007 | Methylene chloride | 0.4 | J B |
| | | | | | |
| 39B-2 | UNIT 6 | 1/11/2007 | Barium | 310 | L |
| " | " | 7/11/2007 | Methylene chloride | 0.4 | J B |
| | | | | | |
| 40A | UNIT 3 | 1/11/2007 | Barium | 290 | L |
| " | " | 7/11/2007 | Methylene chloride | 0.41 | J B |
| | | | | | |
| 40B-2 | UNIT 6 | 1/11/2007 | Barium | 1400 | L |
| " | " | 7/11/2007 | Methylene chloride | 0.38 | J B |
| | | | | | |
| 42A | UNIT 3 | 1/31/2007 | Barium | 160 | |
| | | | | | |
| 42B-1 | UNIT 4 | 3/13/2007 | Barium | 290 | |
| " | " | 3/13/2007 | 1,1,2-Trichloroethane | 1.5 | J |
| " | " | 3/13/2007 | 2,4,5-TP (Silvex) | 0.34 | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 42B-1 (cont.) | UNIT 4 (cont.) | 3/13/2007 | Alpha-Endosulfan | 0.0062 | J |
| " | " | 3/13/2007 | Endosulfan sulfate | 0.0061 | J |
| " | " | 8/28/2007 | 1,1,2-Trichloroethane | 0.98 | J |
| | | | | | |
| 43A | UNIT 3 | 1/10/2007 | Barium | 300 | L |
| | | | | | |
| 46B-1 | UNIT 4 | 1/25/2007 | Barium | 290 | |
| " | " | 1/25/2007 | Selenium | 9.1 | |
| | | | | | |
| 47B-1 | UNIT 4 | 2/7/2007 | Barium | 890 | |
| " | " | 2/7/2007 | Chlorobenzene | 34 | |
| " | " | 2/7/2007 | total 1,2-Dichloroethene | 8 | |
| " | " | 2/7/2007 | 1,1-Dichloroethane | 5 | |
| " | " | 2/7/2007 | 1,4-Dichlorobenzene | 3.3 | J |
| " | " | 2/7/2007 | Benzene | 2.2 | J |
| " | " | 2/7/2007 | Vinyl chloride | 2.1 | J |
| " | " | 2/7/2007 | 1,2-Dichloroethane | 1 | J |
| " | " | 2/7/2007 | Methylene chloride | 0.34 | J B |
| " | " | 2/7/2007 | 1,1-Dichloroethene | 0.25 | J |
| " | " | 8/15/2007 | Chlorobenzene | 23 | |
| " | " | 8/15/2007 | total 1,2-Dichloroethene | 7.3 | |
| " | " | 8/15/2007 | 1,1-Dichloroethane | 4.1 | J |
| " | " | 8/15/2007 | Benzene | 1.3 | J |
| " | " | 8/15/2007 | Vinyl chloride | 0.97 | J |
| " | " | 8/15/2007 | 1,2-Dichloroethane | 0.88 | J |
| " | " | 8/15/2007 | 1,1-Dichloroethene | 0.16 | J |
| | | | | | |
| 48A | UNIT 3 | 2/1/2007 | Barium | 240 | |
| | | | | | |
| 49B-2 | UNIT 6 | 2/1/2007 | Barium | 590 | |
| " | " | 2/1/2007 | 1,1-Dichloroethane | 0.67 | J |
| " | " | 7/25/2007 | 1,1-Dichloroethane | 0.62 | J |
| | | | | | |
| 50B-1 | UNIT 4 | 2/27/2007 | Barium | 250 | |
| " | " | 2/27/2007 | 1,1,2-Trichloroethane | 39 | |
| " | " | 2/27/2007 | Bis(2-ethylhexyl) phthalate | 6.3 | J B |
| " | " | 2/27/2007 | 1,1-Dichloroethene | 2.6 | J |
| " | " | 2/27/2007 | 1,2-Dichloroethane | 1.2 | J |
| " | " | 2/27/2007 | Trichloroethene | 0.79 | J |
| " | " | 2/27/2007 | Chlorobenzene | 0.49 | J |
| " | " | 2/27/2007 | Chloroform | 0.39 | J |
| " | " | 8/15/2007 | 1,1,2-Trichloroethane | 49 | |
| " | " | 8/15/2007 | 1,1-Dichloroethene | 3.6 | J |
| " | " | 8/15/2007 | 1,2-Dichloroethane | 1.6 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 50B-1 (cont.) | UNIT 4 (cont.) | 8/15/2007 | Trichloroethene | 1.2 | J |
| " | " | 8/15/2007 | Chlorobenzene | 0.58 | J |
| " | " | 8/15/2007 | Chloroform | 0.52 | J |
| " | " | 8/15/2007 | Vinyl chloride | 0.19 | J |
| | | | | | |
| 51B-1 | UNIT 4 | 2/13/2007 | Barium | 330 | |
| " | " | 2/13/2007 | 1,1,2-Trichloroethane | 5.2 | |
| " | " | 2/13/2007 | Carbon disulfide | 0.9 | J B |
| " | " | 2/13/2007 | 1,1-Dichloroethene | 0.61 | J |
| " | " | 2/13/2007 | 1,2-Dichloroethane | 0.45 | J |
| " | " | 7/30/2007 | 1,1,2-Trichloroethane | 4.4 | J |
| " | " | 7/30/2007 | 1,1-Dichloroethene | 0.92 | J |
| " | " | 7/30/2007 | 1,2-Dichloroethane | 0.29 | J |
| | | | | | |
| 52C | UNIT 8 | 1/22/2007 | Barium | 700 | |
| " | " | 1/22/2007 | 1,1-Dichloroethane | 2.5 | J |
| " | " | 1/22/2007 | 1,2-Dichloroethane | 1.2 | J |
| " | " | 1/22/2007 | Methylene chloride | 0.34 | J |
| " | " | 1/22/2007 | Total Xylenes | 0.3 | J |
| " | " | 1/22/2007 | 2,4-Dichlorophenoxy acetic acid | 0.28 | J COL |
| " | " | 1/22/2007 | Benzene | 0.28 | J |
| " | " | 1/22/2007 | Ethylbenzene | 0.19 | J |
| " | " | 7/23/2007 | 1,1-Dichloroethane | 3.2 | J |
| " | " | 7/23/2007 | 1,2-Dichloroethane | 1.1 | J |
| " | " | 7/23/2007 | Benzene | 0.33 | J |
| " | " | 7/23/2007 | Ethylbenzene | 0.24 | J |
| | | | | | |
| 53C | UNIT 8 | 1/29/2007 | Barium | 620 | L |
| " | " | 1/29/2007 | Chlorobenzene | 83 | |
| " | " | 1/29/2007 | total 1,2-Dichloroethene | 55 | |
| " | " | 1/29/2007 | Trichloroethene | 14 | |
| " | " | 1/29/2007 | Acetone | 7.1 | J B |
| " | " | 1/29/2007 | Tetrachloroethene | 6.5 | J |
| " | " | 1/29/2007 | 1,4-Dichlorobenzene | 4.4 | J |
| " | " | 1/29/2007 | 1,1-Dichloroethene | 4.4 | J |
| " | " | 1/29/2007 | 1,2-Dichlorobenzene | 2.7 | J |
| " | " | 1/29/2007 | 1,3-Dichlorobenzene | 1.8 | J |
| " | " | 1/29/2007 | 1,1-Dichloroethane | 1.7 | J |
| " | " | 1/29/2007 | 1,2-Dichloroethane | 1.4 | J |
| " | " | 1/29/2007 | Carbon tetrachloride | 1.2 | J |
| " | " | 1/29/2007 | Vinyl chloride | 1.1 | J |
| " | " | 1/29/2007 | Benzene | 1 | J |
| " | " | 1/29/2007 | Chloroform | 0.97 | J |
| " | " | 7/31/2007 | Chlorobenzene | 110 | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| 53C (cont.) | UNIT 8 (cont.) | 7/31/2007 | total 1,2-Dichloroethene | 72 | |
| " | " | 7/31/2007 | Trichloroethene | 17 | |
| " | " | 7/31/2007 | Tetrachloroethene | 12 | |
| " | " | 7/31/2007 | 1,1-Dichloroethene | 6.6 | J |
| " | " | 7/31/2007 | 1,1-Dichloroethane | 2.4 | J |
| " | " | 7/31/2007 | Vinyl chloride | 2.1 | J |
| " | " | 7/31/2007 | 1,2-Dichloroethane | 1.7 | J |
| " | " | 7/31/2007 | Benzene | 1.5 | J |
| " | " | 7/31/2007 | Methylene chloride | 0.7 | J |
| " | " | 7/31/2007 | Carbon tetrachloride | 0.64 | J |
| " | " | 7/31/2007 | Chloroform | 0.62 | J |
| " | " | 7/31/2007 | Toluene | 0.38 | J |
| | | | | | |
| 54B-1 | UNIT 4 | 2/5/2007 | Zinc | 530 | |
| " | " | 2/5/2007 | Barium | 290 | |
| | | | | | |
| AT-01 | UNIT 6 | 2/6/2007 | Barium | 550 | |
| " | " | 7/26/2007 | 4-Methyl-2-pentanone (MIBK) | 2.4 | J |
| " | " | 7/26/2007 | Ethyl methacrylate | 1.1 | J |
| " | " | 7/26/2007 | trans-1,4-Dichloro-2-butene | 1 | J |
| " | " | 7/26/2007 | 1,2-Dichloroethane | 0.45 | J |
| " | " | 7/26/2007 | Ethylbenzene | 0.28 | J |
| " | " | 7/26/2007 | Total Xylenes | 0.23 | J |
| | | | | | |
| AT-02 | UNIT 8 | 2/6/2007 | Barium | 690 | |
| " | " | 7/26/2007 | 4-Methyl-2-pentanone (MIBK) | 2.2 | J |
| " | " | 7/26/2007 | trans-1,4-Dichloro-2-butene | 1.1 | J |
| " | " | 7/26/2007 | Ethyl methacrylate | 0.95 | J |
| " | " | 7/26/2007 | 1,2-Dichloroethane | 0.46 | J |
| " | " | 7/26/2007 | 1,1,2,2-Tetrachloroethane | 0.22 | J |
| | | | | | |
| AT-03 | UNIT 6 | 2/6/2007 | Barium | 500 | |
| | | | | | |
| AT-04 | UNIT 8 | 2/19/2007 | Barium | 540 | |
| " | " | 2/19/2007 | Methylene chloride | 0.56 | J B |
| " | " | 8/8/2007 | Methylene chloride | 0.38 | J B |
| | | | | | |
| AT-05 | UNIT 6 | 4/30/2007 | Acetone | 3.3 | J |
| " | " | 4/30/2007 | Toluene | 0.24 | J |
| " | " | 4/30/2007 | Chlorobenzene | 0.23 | J |
| " | " | 4/30/2007 | Ethylbenzene | 0.2 | J |
| | | | | | |
| AT-07 | UNIT 6 | 2/22/2007 | Barium | 520 | |
| " | " | 2/22/2007 | 1,2-Dichloroethane | 0.24 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| AT-07 (cont.) | UNIT 6 (cont.) | 2/22/2007 | Chlorobenzene | 0.2 | J |
| AT-07 | UNIT 6 | 8/8/2007 | Methylene chloride | 0.4 | J B |
| | | | | | |
| AT-08 | UNIT 6 | 3/27/2007 | Barium | 520 | |
| " | " | 3/27/2007 | Zinc | 31 | |
| " | " | 3/27/2007 | 1,1,2-Trichloroethane | 2.9 | J |
| " | " | 3/27/2007 | Total Xylenes | 0.26 | J |
| " | " | 3/27/2007 | 1,1-Dichloroethene | 0.26 | J |
| " | " | 3/27/2007 | Ethylbenzene | 0.21 | J |
| " | " | 8/8/2007 | 1,1,2-Trichloroethane | 3.9 | J |
| | | | | | |
| AT-09 | UNIT 6 | 1/31/2007 | Barium | 480 | |
| | | | | | |
| AT-10 | UNIT 6 | 2/6/2007 | Barium | 510 | |
| | | | | | |
| AT-11 | UNIT 6 | 2/7/2007 | Barium | 580 | |
| " | " | 2/7/2007 | Carbon tetrachloride | 0.4 | J |
| " | " | 2/7/2007 | Methylene chloride | 0.34 | J B |
| " | " | 7/26/2007 | Carbon tetrachloride | 0.4 | J |
| | | | | | |
| AT-12R | Unit 6 | 3/27/2007 | Barium | 530 | |
| " | " | 3/27/2007 | Zinc | 25 | |
| " | " | 7/31/2007 | 1,1,2-Trichloroethane | 0.57 | J |
| | | | | | |
| AT-13 | UNIT 6 | 2/20/2007 | Barium | 520 | |
| " | " | 2/20/2007 | 1,1,2-Trichloroethane | 0.65 | J |
| " | " | 2/20/2007 | Methylene chloride | 0.34 | J B |
| " | " | 9/4/2007 | 1,1,2-Trichloroethane | 1.2 | J |
| " | " | 9/4/2007 | Chlorobenzene | 0.19 | J |
| | | | | | |
| AT-14 | UNIT 6 | 2/20/2007 | Barium | 550 | |
| " | " | 9/4/2007 | Acetone | 5.5 | J B |
| | | | | | |
| AT-15 | UNIT 6 | 2/20/2007 | Barium | 470 | |
| " | " | 2/20/2007 | 1,1,2-Trichloroethane | 12 | |
| " | " | 2/20/2007 | 1,1,1,2-Tetrachloroethane | 4 | J |
| " | " | 2/20/2007 | 1,1-Dichloroethane | 2.2 | J |
| " | " | 2/20/2007 | Trichloroethene | 1.8 | J |
| " | " | 2/20/2007 | 1,1-Dichloroethene | 0.87 | J |
| " | " | 2/20/2007 | Methylene chloride | 0.56 | J B |
| " | " | 2/20/2007 | Tetrachloroethene | 0.44 | J |
| " | " | 9/4/2007 | 1,1,2-Trichloroethane | 15 | |
| " | " | 9/4/2007 | 1,1,1,2-Tetrachloroethane | 6.2 | |
| " | " | 9/4/2007 | 1,1-Dichloroethane | 3.8 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| AT-15 (cont.) | UNIT 6 (cont.) | 9/4/2007 | Trichloroethene | 2.8 | J |
| " | " | 9/4/2007 | 1,1-Dichloroethene | 1.2 | J |
| " | " | 9/4/2007 | Tetrachloroethene | 0.74 | J |
| | | | | | |
| AT-16 | UNIT 6 | 2/20/2007 | Barium | 420 | |
| " | " | 2/20/2007 | 1,1,2-Trichloroethane | 1.6 | J |
| " | " | 2/20/2007 | 1,1,1,2-Tetrachloroethane | 1.1 | J |
| " | " | 2/20/2007 | Chlorobenzene | 0.9 | J |
| " | " | 2/20/2007 | Trichloroethene | 0.84 | J |
| " | " | 2/20/2007 | Tetrachloroethene | 0.46 | J |
| " | " | 2/20/2007 | Methylene chloride | 0.36 | J B |
| " | " | 2/20/2007 | 1,1-Dichloroethane | 0.26 | J |
| " | " | 2/20/2007 | Chloroform | 0.21 | J |
| " | " | 2/20/2007 | 1,1-Dichloroethene | 0.21 | J |
| " | " | 9/4/2007 | Acetone | 2.2 | J B |
| " | " | 9/4/2007 | 1,1,2-Trichloroethane | 1.3 | J |
| " | " | 9/4/2007 | 1,1,1,2-Tetrachloroethane | 1 | J |
| " | " | 9/4/2007 | Trichloroethene | 0.74 | J |
| " | " | 9/4/2007 | Chlorobenzene | 0.52 | J |
| " | " | 9/4/2007 | Tetrachloroethene | 0.41 | J |
| " | " | 9/4/2007 | 1,1-Dichloroethane | 0.21 | J |
| " | " | 9/4/2007 | 1,1-Dichloroethene | 0.18 | J |
| | | | | | |
| AT-17 | UNIT 6 | 2/15/2007 | Barium | 520 | |
| | | | | | |
| AT-18 | UNIT 4 | 2/14/2007 | Barium | 560 | |
| " | " | 2/14/2007 | Methylene chloride | 0.35 | J B |
| | | | | | |
| AT-19 | UNIT 4 | 2/15/2007 | Barium | 510 | |
| " | " | 2/15/2007 | Trichloroethene | 5.6 | |
| " | " | 2/15/2007 | Chloroform | 0.72 | J |
| " | " | 2/15/2007 | Tetrachloroethene | 0.57 | J |
| " | " | 9/10/2007 | Trichloroethene | 4.4 | J |
| " | " | 9/10/2007 | Chloroform | 0.57 | J |
| " | " | 9/10/2007 | Tetrachloroethene | 0.43 | J |
| | | | | | |
| AT-20 | UNIT 4 | 2/15/2007 | Barium | 450 | |
| | | | | | |
| AT-21 | UNIT 6 | 2/19/2007 | Barium | 410 | |
| " | " | 2/19/2007 | Carbon tetrachloride | 22 | |
| " | " | 2/19/2007 | Chloroform | 5.1 | |
| " | " | 2/19/2007 | 1,4-Dichlorobenzene | 2.5 | J |
| " | " | 2/19/2007 | Tetrachloroethene | 2.3 | J |
| " | " | 2/19/2007 | Chlorobenzene | 1.8 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| AT-21 (cont.) | UNIT 6 (cont.) | 2/19/2007 | Benzene | 1.6 | J |
| " | " | 2/19/2007 | Methylene chloride | 0.76 | J B |
| " | " | 2/19/2007 | 2-Chloro-1,3-butadiene (Chloroprene) | 0.66 | J |
| " | " | 2/19/2007 | 1,2-Dichloroethane | 0.61 | J |
| " | " | 2/19/2007 | total 1,2-Dichloroethene | 0.27 | J |
| " | " | 2/19/2007 | Trichloroethene | 0.23 | J |
| " | " | 2/19/2007 | 1,1-Dichloroethene | 0.22 | J |
| " | " | 8/6/2007 | Carbon tetrachloride | 16 | |
| " | " | 8/6/2007 | Chloroform | 4 | J |
| " | " | 8/6/2007 | Tetrachloroethene | 2.3 | J |
| " | " | 8/6/2007 | Chlorobenzene | 1.8 | J |
| " | " | 8/6/2007 | Benzene | 1 | J |
| " | " | 8/6/2007 | 2-Chloro-1,3-butadiene (Chloroprene) | 0.53 | J |
| " | " | 8/6/2007 | 1,2-Dichloroethane | 0.46 | J |
| " | " | 8/6/2007 | Methylene chloride | 0.44 | J B |
| " | " | 8/6/2007 | total 1,2-Dichloroethene | 0.25 | J |
| " | " | 8/6/2007 | 1,1-Dichloroethene | 0.2 | J |
| " | " | 8/6/2007 | Trichloroethene | 0.17 | J |
| | | | | | |
| AT-22 | UNIT 6 | 2/19/2007 | Barium | 410 | |
| " | " | 2/19/2007 | Methylene chloride | 0.55 | J B |
| " | " | 2/19/2007 | Chlorobenzene | 0.4 | J |
| " | " | 2/19/2007 | Benzene | 0.27 | J |
| " | " | 8/6/2007 | Chlorobenzene | 0.5 | J |
| " | " | 8/6/2007 | Methylene chloride | 0.35 | J B |
| | | | | | |
| AT-23 | UNIT 8 | 2/19/2007 | Barium | 600 | |
| " | " | 2/19/2007 | Methylene chloride | 0.36 | J B |
| " | " | 8/6/2007 | Methylene chloride | 0.35 | J B |
| " | " | 8/6/2007 | 1,1-Dichloroethene | 0.22 | J |
| | | | | | |
| AT-24 | UNIT 6 | 2/7/2007 | Barium | 450 | |
| " | " | 2/7/2007 | Carbon tetrachloride | 1.9 | J |
| " | " | 2/7/2007 | Methylene chloride | 0.38 | J B |
| " | " | 2/7/2007 | Chloroform | 0.28 | J |
| " | " | 7/31/2007 | Carbon tetrachloride | 1 | J |
| " | " | 7/31/2007 | Methylene chloride | 0.33 | J |
| " | " | 7/31/2007 | Chloroform | 0.19 | J |
| | | | | | |
| AT-25 | UNIT 6 | 2/7/2007 | Barium | 430 | |
| " | " | 2/7/2007 | Methylene chloride | 0.36 | J B |
| | | | | | |
| AT-26 | UNIT 8 | 2/7/2007 | Barium | 650 | |
| " | " | 2/7/2007 | Methylene chloride | 0.34 | J B |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| AT-27 | UNIT 8 | 2/12/2007 | Barium | 550 | |
| " | " | 2/12/2007 | Methylene chloride | 0.37 | J |
| | | | | | |
| AT-28 | UNIT 6 | 2/12/2007 | Barium | 550 | |
| " | " | 2/12/2007 | Methylene chloride | 0.48 | J |
| | | | | | |
| AT-29 | UNIT 6 | 2/12/2007 | Barium | 560 | |
| " | " | 2/12/2007 | Methylene chloride | 0.38 | J |
| | | | | | |
| AT-30 | UNIT 8 | 2/12/2007 | Barium | 590 | |
| " | " | 2/12/2007 | Methylene chloride | 0.34 | J |
| | | | | | |
| AT-31 | UNIT 4 | 2/14/2007 | Barium | 450 | |
| " | " | 2/14/2007 | Methylene chloride | 0.33 | J B |
| | | | | | |
| AT-32 | UNIT 4 | 2/14/2007 | Barium | 500 | |
| " | " | 2/14/2007 | Methylene chloride | 0.33 | J B |
| " | " | 2/14/2007 | Toluene | 0.2 | J |
| | | | | | |
| AT-33 | UNIT 6 | 2/14/2007 | Barium | 550 | |
| " | " | 2/14/2007 | Methylene chloride | 0.35 | J B |
| | | | | | |
| AT-34 | UNIT 6 | 2/22/2007 | 1,1,2-Trichloroethane | 31000 | |
| " | " | 2/22/2007 | 1,1,1,2-Tetrachloroethane | 15000 | |
| " | " | 2/22/2007 | 1,1-Dichloroethane | 4800 | J |
| " | " | 2/22/2007 | Trichloroethene | 3900 | J |
| " | " | 2/22/2007 | 1,1-Dichloroethene | 1300 | J |
| " | " | 2/22/2007 | Barium | 510 | |
| " | " | 2/22/2007 | 1,3-Dichlorobenzene | 360 | |
| " | " | 2/22/2007 | Tetrachloroethene | 260 | J |
| " | " | 2/22/2007 | 1,1,2,2-Tetrachloroethane | 220 | J |
| " | " | 2/22/2007 | 1,2,4-Trichlorobenzene | 37 | |
| " | " | 2/22/2007 | bis(2-Chloroethyl) ether | 27 | |
| " | " | 2/22/2007 | 1,4-Dichlorobenzene | 25 | |
| " | " | 2/22/2007 | 1,2-Dichlorobenzene | 11 | J |
| " | " | 2/22/2007 | 1,2,4,5-Tetrachlorobenzene | 7.8 | J |
| " | " | 2/22/2007 | Hexachlorobutadiene | 4.7 | J |
| " | " | 2/22/2007 | Hexachloroethane | 2.5 | J |
| " | " | 2/22/2007 | Kepone | 1.5 | |
| " | " | 2/22/2007 | gamma-BHC (Lindane) | 0.48 | B |
| " | " | 2/22/2007 | Aldrin | 0.31 | COL |
| " | " | 2/22/2007 | 2,4,5-TP (Silvex) | 0.3 | COL |
| " | " | 2/22/2007 | beta-Endosulfan | 0.24 | COL |
| " | " | 2/22/2007 | 4,4'-DDT | 0.11 | COL |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| AT-34 (cont.) | UNIT 6 | 2/22/2007 (cont.) | Endrin aldehyde | 0.06 | J COL |
| " | " | 8/13/2007 | 1,1,2-Trichloroethane | 290000 | |
| " | " | 8/13/2007 | 1,1,1,2-Tetrachloroethane | 150000 | |
| " | " | 8/13/2007 | 1,1-Dichloroethane | 48000 | J |
| " | " | 8/13/2007 | Acetone | 35000 | J B |
| " | " | 8/13/2007 | Trichloroethene | 35000 | J |
| " | " | 8/13/2007 | 1,1-Dichloroethene | 11000 | J |
| " | " | 8/13/2007 | Methylene chloride | 3500 | J B |
| " | " | 8/13/2007 | Tetrachloroethene | 3000 | J |
| " | " | 8/13/2007 | 1,1,2,2-Tetrachloroethane | 2200 | J |
| " | " | 8/13/2007 | 1,3-Dichlorobenzene | 500 | |
| " | " | 8/13/2007 | 1,2,4-Trichlorobenzene | 60 | |
| " | " | 8/13/2007 | 1,4-Dichlorobenzene | 46 | |
| " | " | 8/13/2007 | bis(2-Chloroethyl) ether | 34 | J |
| " | " | 8/13/2007 | Hexachlorophene | 20 | J |
| " | " | 8/13/2007 | 1,2-Dichlorobenzene | 19 | J |
| " | " | 8/13/2007 | 1,2,4,5-Tetrachlorobenzene | 14 | J |
| " | " | 8/13/2007 | Hexachlorobutadiene | 7.9 | J |
| " | " | 8/13/2007 | 2,4-Dichlorophenoxy acetic acid | 3.1 | |
| " | " | 8/13/2007 | 2,4,5-T | 0.61 | |
| " | " | 8/13/2007 | delta-BHC | 0.067 | J COL |
| | | | | | |
| AT-35 | UNIT 6 | 2/22/2007 | Barium | 390 | |
| " | " | 2/22/2007 | Trichloroethene | 85 | |
| " | " | 2/22/2007 | Tetrachloroethene | 53 | |
| " | " | 2/22/2007 | 1,1,2-Trichloroethane | 44 | |
| " | " | 2/22/2007 | 1,1,1,2-Tetrachloroethane | 35 | |
| " | " | 2/22/2007 | 1,1-Dichloroethene | 23 | |
| " | " | 2/22/2007 | Vinyl chloride | 13 | J |
| " | " | 2/22/2007 | 1,1-Dichloroethane | 11 | |
| " | " | 2/22/2007 | total 1,2-Dichloroethene | 0.5 | J |
| " | " | 2/22/2007 | 1,2-Dichloroethane | 0.32 | J |
| " | " | 8/13/2007 | 1,1,2-Trichloroethane | 67 | |
| " | " | 8/13/2007 | Trichloroethene | 56 | |
| " | " | 8/13/2007 | Tetrachloroethene | 35 | |
| " | " | 8/13/2007 | 1,1-Dichloroethene | 28 | |
| " | " | 8/13/2007 | 1,1,1,2-Tetrachloroethane | 25 | |
| " | " | 8/13/2007 | Vinyl chloride | 19 | J |
| " | " | 8/13/2007 | 1,1-Dichloroethane | 18 | J |
| " | " | 8/13/2007 | Acetone | 11 | J B |
| " | " | 8/13/2007 | Methylene chloride | 1.6 | J B |
| " | " | 8/13/2007 | 1,2-Dichloroethane | 0.68 | J |
| " | " | 8/13/2007 | total 1,2-Dichloroethene | 0.67 | J |
| | | | | | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| AT-36 | UNIT 4 | 2/22/2007 | 1,2-Dichloroethane | 260000 | |
| " | " | 2/22/2007 | Tetrachloroethene | 86000 | J |
| " | " | 2/22/2007 | Trichloroethene | 37000 | J |
| " | " | 2/22/2007 | total 1,2-Dichloroethene | 28000 | J |
| " | " | 2/22/2007 | Methylene chloride | 14000 | J B |
| " | " | 2/22/2007 | Barium | 4700 | |
| " | " | 2/22/2007 | Zinc | 43 | |
| " | " | 2/22/2007 | Cadmium | 18 | |
| " | " | 2/22/2007 | gamma-BHC (Lindane) | 0.029 | J B COL |
| " | " | 8/13/2007 | 1,2-Dichloroethane | 320000 | |
| " | " | 8/13/2007 | Tetrachloroethene | 100000 | |
| " | " | 8/13/2007 | total 1,2-Dichloroethene | 44000 | J |
| " | " | 8/13/2007 | Trichloroethene | 41000 | J |
| " | " | 8/13/2007 | Acetone | 24000 | J B |
| " | " | 8/13/2007 | 1,1,2-Trichloroethane | 3600 | J |
| " | " | 8/13/2007 | Methylene chloride | 3500 | J B |
| | | | | | |
| AT-37 | UNIT 6 | 2/22/2007 | 1,1,2-Trichloroethane | 6100 | |
| " | " | 2/22/2007 | 1,1,1,2-Tetrachloroethane | 2900 | |
| " | " | 2/22/2007 | 1,1-Dichloroethane | 1100 | |
| " | " | 2/22/2007 | Trichloroethene | 800 | J |
| " | " | 2/22/2007 | 1,1-Dichloroethene | 640 | J |
| " | " | 2/22/2007 | Barium | 350 | |
| " | " | 2/22/2007 | Methylene chloride | 110 | J B |
| " | " | 2/22/2007 | Tetrachloroethene | 88 | J |
| " | " | 2/22/2007 | Vinyl chloride | 42 | J |
| " | " | 2/22/2007 | 1,3-Dichlorobenzene | 8.6 | J |
| " | " | 8/13/2007 | 1,1,2-Trichloroethane | 5900 | |
| " | " | 8/13/2007 | 1,1,1,2-Tetrachloroethane | 2900 | |
| " | " | 8/13/2007 | 1,1-Dichloroethane | 1200 | |
| " | " | 8/13/2007 | Trichloroethene | 840 | J |
| " | " | 8/13/2007 | 1,1-Dichloroethene | 650 | J |
| " | " | 8/13/2007 | Acetone | 580 | J B |
| " | " | 8/13/2007 | Tetrachloroethene | 84 | J |
| | | | | | |
| DM-03 | UNIT 6 | 2/13/2007 | Barium | 590 | |
| " | " | 2/13/2007 | Carbon tetrachloride | 70 | |
| " | " | 2/13/2007 | Benzene | 68 | |
| " | " | 2/13/2007 | 1,2-Dichloroethane | 30 | |
| " | " | 2/13/2007 | Chlorobenzene | 16 | |
| " | " | 2/13/2007 | Chloroform | 13 | |
| " | " | 2/13/2007 | Nitrobenzene | 5.5 | J |
| " | " | 2/13/2007 | o,o,o-Triethylphosphorothioate | 4.2 | J |
| " | " | 2/13/2007 | 1,2,4-Trichlorobenzene | 3.4 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| DM-03 (cont.) | UNIT 6 (cont.) | 2/13/2007 | Methylene chloride | 3.3 | J B |
| " | " | 2/13/2007 | 1,1,2-Trichloroethane | 2 | J |
| " | " | 2/13/2007 | Tetrachloroethene | 1.2 | J |
| " | " | 2/13/2007 | 1,2-Dichloropropane | 0.85 | J |
| " | " | 2/13/2007 | Ethylbenzene | 0.69 | J |
| " | " | 2/13/2007 | 2,4,5-T | 0.59 | |
| " | " | 2/13/2007 | 1,1-Dichloroethene | 0.53 | J |
| " | " | 2/13/2007 | Trichloroethene | 0.46 | J |
| " | " | 2/13/2007 | Total Xylenes | 0.41 | J |
| " | " | 2/13/2007 | 2,4-Dichlorophenoxy acetic acid | 0.34 | J |
| " | " | 2/13/2007 | 2,4,5-TP (Silvex) | 0.32 | |
| " | " | 8/6/2007 | Carbon tetrachloride | 92 | |
| " | " | 8/6/2007 | Benzene | 62 | |
| " | " | 8/6/2007 | 1,2-Dichloroethane | 34 | |
| " | " | 8/6/2007 | Chloroform | 16 | |
| " | " | 8/6/2007 | Chlorobenzene | 14 | |
| " | " | 8/6/2007 | Acetone | 11 | J B |
| " | " | 8/6/2007 | Methylene chloride | 3.5 | J B |
| " | " | 8/6/2007 | trans-1,3-Dichloropropene | 1.6 | J |
| " | " | 8/6/2007 | 1,1,2-Trichloroethane | 1.6 | J |
| " | " | 8/6/2007 | Tetrachloroethene | 1.2 | J |
| " | " | 8/6/2007 | 1,2-Dichloropropane | 0.86 | J |
| " | " | 8/6/2007 | Trichloroethene | 0.56 | J |
| " | " | 8/6/2007 | 1;1-Dichloroethene | 0.47 | J |
| | | | | | |
| I-1 | UNIT 6 | 4/26/2007 | 1,1,2-Trichloroethane | 860 | |
| " | " | 4/26/2007 | Tetrachloroethene | 300 | |
| " | " | 4/26/2007 | Chlorobenzene | 260 | |
| " | " | 4/26/2007 | 1,2-Dichloroethane | 150 | J |
| " | " | 4/26/2007 | Vinyl chloride | 90 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethene | 71 | J |
| " | " | 4/26/2007 | Trichloroethene | 27 | J |
| " | " | 10/11/2007 | 1,1,2-Trichloroethane | 720 | |
| " | " | 10/11/2007 | Tetrachloroethene | 400 | |
| " | " | 10/11/2007 | Chlorobenzene | 270 | |
| " | " | 10/11/2007 | 1,2-Dichloroethane | 190 | |
| " | " | 10/11/2007 | Vinyl chloride | 130 | J |
| " | " | 10/11/2007 | 1,1-Dichloroethene | 70 | J |
| " | " | 10/11/2007 | Trichloroethene | 29 | J |
| | | | | | |
| I-10 | UNIT 3 | 4/26/2007 | Benzene | 710 | |
| " | " | 4/26/2007 | Ethylbenzene | 320 | |
| " | " | 4/26/2007 | Chlorobenzene | 320 | |
| " | " | 4/26/2007 | Chloroethane | 83 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| I-10 (cont.) | UNIT 3 (cont.) | 4/26/2007 | Total Xylenes | 53 | J |
| " | " | 4/26/2007 | Toluene | 43 | J |
| " | " | 4/26/2007 | Acetone | 39 | J B |
| " | " | 4/26/2007 | total 1,2-Dichloroethene | 6.1 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethane | 3.5 | J |
| " | " | 10/11/2007 | Benzene | 950 | |
| " | " | 10/11/2007 | Ethylbenzene | 420 | |
| " | " | 10/11/2007 | Chlorobenzene | 390 | |
| " | " | 10/11/2007 | Chloroethane | 130 | J |
| " | " | 10/11/2007 | Total Xylenes | 65 | J |
| " | " | 10/11/2007 | Toluene | 36 | J |
| " | " | 10/11/2007 | total 1,2-Dichloroethene | 8.8 | J |
| | | | | | |
| I-11 | UNIT 4 | 6/14/2007 | Benzene | 620 | |
| " | " | 6/14/2007 | Carbon tetrachloride | 570 | |
| " | " | 6/14/2007 | total 1,2-Dichloroethene | 420 | |
| " | " | 6/14/2007 | 2-Hexanone | 290 | J |
| " | " | 6/14/2007 | Trichloroethene | 260 | |
| " | " | 6/14/2007 | Chloroform | 250 | |
| " | " | 6/14/2007 | Vinyl chloride | 120 | J |
| " | " | 6/14/2007 | Tetrachloroethene | 100 | J |
| " | " | 6/14/2007 | 1,2-Dichloroethane | 52 | J |
| " | " | 10/29/2007 | Carbon tetrachloride | 190 | |
| " | " | 10/29/2007 | Benzene | 150 | |
| " | " | 10/29/2007 | total 1,2-Dichloroethene | 79 | |
| " | " | 10/29/2007 | Trichloroethene | 67 | |
| " | " | 10/29/2007 | Chloroform | 64 | |
| " | " | 10/29/2007 | Acetone | 33 | J B |
| " | " | 10/29/2007 | Vinyl chloride | 29 | J |
| " | " | 10/29/2007 | Tetrachloroethene | 17 | J |
| " | " | 10/29/2007 | 1,2-Dichloroethane | 6.5 | J |
| " | " | 10/29/2007 | 1,1-Dichloroethene | 1.8 | J |
| | | | | | |
| I-12 | UNIT 4 | 6/14/2007 | Acetone | 79000 | B |
| " | " | 6/14/2007 | Trichloroethene | 24000 | |
| " | " | 6/14/2007 | Tetrachloroethene | 21000 | |
| " | " | 6/14/2007 | total 1,2-Dichloroethene | 17000 | |
| " | " | 6/14/2007 | Benzene | 7200 | |
| " | " | 6/14/2007 | 2-Butanone (MEK) | 6400 | J |
| " | " | 6/14/2007 | Vinyl chloride | 5300 | J |
| " | " | 6/14/2007 | Toluene | 4400 | J B |
| " | " | 6/14/2007 | Chloroform | 2000 | J |
| " | " | 6/14/2007 | Ethylbenzene | 1400 | J |
| " | " | 6/14/2007 | Total Xylenes | 1300 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| I-12 (cont.) | UNIT 4 (cont.) | 6/14/2007 | Methylene chloride | 1300 | J |
| " | " | 6/14/2007 | 1,1-Dichloroethane | 570 | J |
| " | " | 6/14/2007 | 1,2-Dichloroethane | 340 | J |
| " | " | 10/29/2007 | Acetone | 100000 | B |
| " | " | 10/29/2007 | Trichloroethene | 22000 | |
| " | " | 10/29/2007 | Tetrachloroethene | 13000 | |
| " | " | 10/29/2007 | total 1,2-Dichloroethene | 12000 | |
| " | " | 10/29/2007 | 2-Butanone (MEK) | 6500 | J |
| " | " | 10/29/2007 | Benzene | 6000 | |
| " | " | 10/29/2007 | Vinyl chloride | 4600 | J |
| " | " | 10/29/2007 | Toluene | 3000 | J |
| " | " | 10/29/2007 | Chloroform | 1500 | J |
| " | " | 10/29/2007 | Methylene chloride | 1300 | J |
| " | " | 10/29/2007 | Ethylbenzene | 960 | J |
| " | " | 10/29/2007 | Total Xylenes | 760 | J |
| " | " | 10/29/2007 | 1,1-Dichloroethane | 460 | J |
| | | | | | |
| I-13 | UNIT 4 | 6/14/2007 | Benzene | 3200 | |
| " | " | 6/14/2007 | 1,2-Dichloroethane | 150 | J |
| " | " | 6/14/2007 | Total Xylenes | 150 | J |
| " | " | 6/14/2007 | Chlorobenzene | 130 | J |
| " | " | 6/14/2007 | Chloroform | 90 | J |
| " | " | 6/14/2007 | Trichloroethene | 57 | J |
| " | " | 6/14/2007 | Vinyl chloride | 31 | J |
| " | " | 6/14/2007 | 1,2-Dichloropropane | 29 | J |
| " | " | 6/14/2007 | Toluene | 20 | J |
| " | " | 6/14/2007 | total 1,2-Dichloroethene | 19 | J |
| " | " | 6/14/2007 | 1,1-Dichloroethane | 12 | J |
| " | " | 10/29/2007 | Benzene | 4400 | |
| " | " | 10/29/2007 | Acetone | 260 | J B |
| " | " | 10/29/2007 | Chlorobenzene | 170 | J |
| " | " | 10/29/2007 | Total Xylenes | 170 | J |
| " | " | 10/29/2007 | Chloroform | 49 | J |
| " | " | 10/29/2007 | Trichloroethene | 46 | J |
| " | " | 10/29/2007 | 1,2-Dichloropropane | 39 | J |
| " | " | 10/29/2007 | Tetrachloroethene | 27 | J |
| " | " | 10/29/2007 | Toluene | 24 | J |
| " | " | 10/29/2007 | Vinyl chloride | 24 | J |
| " | " | 10/29/2007 | total 1,2-Dichloroethene | 20 | J |
| | | | | | |
| I-1R | UNIT 6 | 4/26/2007 | 1,1,2-Trichloroethane | 690 | |
| " | " | 4/26/2007 | Tetrachloroethene | 360 | |
| " | " | 4/26/2007 | Chlorobenzene | 160 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethene | 74 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| I-1R (cont.) | UNIT 6 (cont.) | 4/26/2007 | Trichloroethene | 52 | J |
| " | " | 4/26/2007 | 1,2-Dichloroethane | 31 | J |
| " | " | 4/26/2007 | Vinyl chloride | 14 | J |
| " | " | 10/11/2007 | 1,1,2-Trichloroethane | 430 | |
| " | " | 10/11/2007 | Tetrachloroethene | 390 | |
| " | " | 10/11/2007 | Chlorobenzene | 140 | |
| " | " | 10/11/2007 | Trichloroethene | 55 | |
| " | " | 10/11/2007 | 1,1-Dichloroethene | 41 | J |
| " | " | 10/11/2007 | 1,2-Dichloroethane | 20 | J |
| " | " | 10/11/2007 | Vinyl chloride | 9.6 | J |
| " | " | 10/11/2007 | 1,2-Dichloropropane | 4.5 | J |
| " | " | 10/11/2007 | Benzene | 3.5 | J |
| " | " | 10/11/2007 | Chloroform | 3.5 | J |
| " | " | 10/11/2007 | 1,1-Dichloroethane | 2.2 | J |
| " | " | 10/11/2007 | total 1,2-Dichloroethene | 1.9 | J |
| | | | | | |
| I-2 | UNIT 3 | 4/26/2007 | 1,1,2-Trichloroethane | 290000 | |
| " | " | 4/26/2007 | 1,1-Dichloroethene | 16000 | J |
| " | " | 4/26/2007 | Chlorobenzene | 16000 | J |
| " | " | 4/26/2007 | Vinyl chloride | 9900 | J |
| " | " | 4/26/2007 | Chloroform | 5900 | J |
| " | " | 4/26/2007 | Trichloroethene | 4400 | J |
| " | " | 4/26/2007 | Benzene | 2900 | J |
| " | " | 10/11/2007 | 1,1,2-Trichloroethane | 170000 | |
| " | " | 10/11/2007 | Vinyl chloride | 13000 | J |
| " | " | 10/11/2007 | Chlorobenzene | 8100 | J |
| " | " | 10/11/2007 | 1,1-Dichloroethene | 5800 | J |
| " | " | 10/11/2007 | Chloroform | 4400 | J |
| " | " | 10/11/2007 | Trichloroethene | 2400 | J |
| " | " | 10/11/2007 | Benzene | 2300 | J |
| | | | | | |
| I-2R | UNIT 3 | 4/26/2007 | 1,1,2-Trichloroethane | 22000 | |
| " | " | 4/26/2007 | 1,1-Dichloroethene | 840 | J |
| " | " | 4/26/2007 | Chlorobenzene | 280 | J |
| " | " | 10/11/2007 | 1,1,2-Trichloroethane | 31000 | |
| " | " | 10/11/2007 | 1,1-Dichloroethene | 1100 | J |
| " | " | 10/11/2007 | Chlorobenzene | 340 | J |
| | | | | | |
| I-3 | UNIT 4 | 4/26/2007 | 1,1,2-Trichloroethane | 960 | |
| " | " | 4/26/2007 | Chlorobenzene | 87 | J |
| " | " | 4/26/2007 | Benzene | 68 | J |
| " | " | 4/26/2007 | Toluene | 52 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethene | 34 | J |
| " | " | 4/26/2007 | Total Xylenes | 16 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| I-3 (cont.) | UNIT 4 (cont.) | 10/11/2007 | Chlorobenzene | 61 | J |
| " | " | 10/11/2007 | Benzene | 57 | J |
| " | " | 10/11/2007 | Toluene | 27 | J |
| I-4 | UNIT 6 | 4/26/2007 | Benzene | 480 | |
| " | " | 4/26/2007 | Chlorobenzene | 220 | |
| " | " | 4/26/2007 | Ethylbenzene | 200 | |
| " | " | 4/26/2007 | Total Xylenes | 170 | |
| " | " | 4/26/2007 | Chloroethane | 89 | J |
| " | " | 4/26/2007 | Toluene | 40 | J |
| " | " | 4/26/2007 | total 1,2-Dichloroethene | 3.5 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethane | 3.4 | J |
| " | " | 10/11/2007 | Benzene | 480 | |
| " | " | 10/11/2007 | Chlorobenzene | 260 | |
| " | " | 10/11/2007 | Ethylbenzene | 210 | |
| " | " | 10/11/2007 | Chloroethane | 64 | J |
| " | " | 10/11/2007 | Total Xylenes | 37 | J |
| " | " | 10/11/2007 | Toluene | 21 | J |
| " | " | 10/11/2007 | total 1,2-Dichloroethene | 3.6 | J |
| " | " | 10/11/2007 | 1,1-Dichloroethane | 3.2 | J |
| | | | | | |
| I-5 | UNIT 4 | 4/26/2007 | Benzene | 1200 | |
| " | " | 4/26/2007 | Chloroethane | 1100 | |
| " | " | 4/26/2007 | Ethylbenzene | 690 | |
| " | " | 4/26/2007 | Chlorobenzene | 340 | |
| " | " | 4/26/2007 | Toluene | 240 | J |
| " | " | 4/26/2007 | Total Xylenes | 140 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethane | 32 | J |
| " | " | 4/26/2007 | Methylene chloride | 19 | J |
| " | " | 4/26/2007 | total 1,2-Dichloroethene | 10 | J |
| " | " | 10/11/2007 | Benzene | 1100 | |
| " | " | 10/11/2007 | Chloroethane | 740 | |
| " | " | 10/11/2007 | Ethylbenzene | 690 | |
| " | " | 10/11/2007 | Chlorobenzene | 350 | |
| " | " | 10/11/2007 | Toluene | 300 | |
| " | " | 10/11/2007 | Total Xylenes | 48 | J |
| " | " | 10/11/2007 | total 1,2-Dichloroethene | 11 | J |
| | | | | | |
| I-6 | UNIT 6 | 4/26/2007 | 1,1,2-Trichloroethane | 870 | |
| " | " | 4/26/2007 | Chlorobenzene | 120 | |
| " | " | 4/26/2007 | Benzene | 99 | J |
| " | " | 4/26/2007 | 1,2-Dichloroethane | 76 | J |
| " | " | 4/26/2007 | Vinyl chloride | 72 | J |
| " | " | 4/26/2007 | Chloroform | 37 | J |
| " | " | 4/26/2007 | Trichloroethene | 21 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| I-6 (cont.) | UNIT 6 (cont.) | 4/26/2007 | Toluene | 20 | J |
| " | " | 4/26/2007 | 1,2-Dichloropropane | 18 | J |
| " | " | 4/26/2007 | Tetrachloroethene | 17 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethene | 11 | J |
| " | " | 4/26/2007 | Ethylbenzene | 4.8 | J |
| " | " | 4/26/2007 | total 1,2-Dichloroethene | 4.5 | J |
| " | " | 10/11/2007 | 1,1,2-Trichloroethane | 970 | |
| " | " | 10/11/2007 | Chlorobenzene | 150 | J |
| " | " | 10/11/2007 | 1,2-Dichloroethane | 140 | J |
| " | " | 10/11/2007 | Vinyl chloride | 110 | J |
| " | " | 10/11/2007 | Benzene | 100 | J |
| " | " | 10/11/2007 | Chloroform | 29 | J |
| " | " | 10/11/2007 | Trichloroethene | 28 | J |
| " | " | 10/11/2007 | Tetrachloroethene | 23 | J |
| " | " | 10/11/2007 | 1,2-Dichloropropane | 18 | J |
| " | " | 10/11/2007 | Toluene | 13 | J |
| " | " | 10/11/2007 | 3-Chloropropene (Allyl chloride) | 9.1 | J |
| " | " | 10/11/2007 | 1,1-Dichloroethene | 8.6 | J |
| | | | | | |
| I-7 | UNIT 4 | 4/26/2007 | Trichloroethene | 3700 | |
| " | " | 4/26/2007 | 1,1,2-Trichloroethane | 1100 | |
| " | " | 4/26/2007 | Chloroform | 1000 | |
| " | " | 4/26/2007 | Carbon tetrachloride | 700 | J |
| " | " | 4/26/2007 | Chlorobenzene | 490 | J |
| " | " | 4/26/2007 | Tetrachloroethene | 420 | J |
| " | " | 4/26/2007 | Benzene | 80 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethene | 67 | J |
| " | " | 10/11/2007 | Trichloroethene | 5500 | |
| " | " | 10/11/2007 | Carbon tetrachloride | 1900 | |
| " | " | 10/11/2007 | Chloroform | 1600 | |
| " | " | 10/11/2007 | 1,1,2-Trichloroethane | 1200 | |
| " | " | 10/11/2007 | Tetrachloroethene | 640 | J |
| " | " | 10/11/2007 | Chlorobenzene | 440 | J |
| " | " | 10/11/2007 | Benzene | 81 | J |
| " | " | 10/11/2007 | 1,1-Dichloroethene | 59 | J |
| | | | | | |
| I-8 | UNIT 4 | 4/26/2007 | Chlorobenzene | 980 | |
| " | " | 4/26/2007 | Chloroform | 560 | |
| " | " | 4/26/2007 | Tetrachloroethene | 390 | |
| " | " | 4/26/2007 | 1,1-Dichloroethene | 180 | J |
| " | " | 4/26/2007 | Carbon tetrachloride | 99 | J |
| " | " | 4/26/2007 | Trichloroethene | 56 | J |
| " | " | 4/26/2007 | 1,1,2-Trichloroethane | 19 | J |
| " | " | 4/26/2007 | 1,2-Dichloroethane | 8.4 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| I-8 (cont.) | UNIT 4 (cont.) | 10/11/2007 | Chlorobenzene | 1100 | |
| " | " | 10/11/2007 | Chloroform | 970 | |
| " | " | 10/11/2007 | Tetrachloroethene | 520 | |
| " | " | 10/11/2007 | Carbon tetrachloride | 270 | |
| " | " | 10/11/2007 | 1,1-Dichloroethene | 270 | |
| " | " | 10/11/2007 | Trichloroethene | 86 | J |
| " | " | 10/11/2007 | 1,1,2-Trichloroethane | 24 | J |
| " | " | 10/11/2007 | 1,1-Dichloroethane | 7.3 | J |
| | | | | | |
| I-9 | UNIT 4 | 4/26/2007 | Chlorobenzene | 11 | |
| " | " | 4/26/2007 | 1,1,2-Trichloroethane | 1.8 | J |
| " | " | 4/26/2007 | Tetrachloroethene | 0.9 | J |
| " | " | 4/26/2007 | Trichloroethene | 0.58 | J |
| " | " | 4/26/2007 | Chloromethane | 0.35 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethene | 0.31 | J |
| " | " | 10/11/2007 | Chlorobenzene | 3.4 | J |
| " | " | 10/11/2007 | Tetrachloroethene | 2.8 | J |
| " | " | 10/11/2007 | Trichloroethene | 1.6 | J |
| " | " | 10/11/2007 | Methylene chloride | 0.37 | J B |
| " | " | 10/11/2007 | 1,1-Dichloroethene | 0.3 | J |
| | | | | | |
| OB-33 | UNIT 4 | 1/15/2007 | Barium | 510 | |
| | | | | | |
| P-26 | UNIT 3 | 3/22/2007 | Barium | 260 | |
| " | " | 3/22/2007 | Diallate | 26 | |
| " | " | 3/22/2007 | Di-n-octyl phthalate | 25 | |
| " | " | 3/22/2007 | 1,1-Dichloroethane | 5.7 | |
| " | " | 3/22/2007 | Pyrene | 3.3 | J |
| " | " | 3/22/2007 | Chrysene | 2 | J |
| " | " | 3/22/2007 | Vinyl chloride | 1.6 | J |
| " | " | 3/22/2007 | Chloroethane | 1.2 | J |
| " | " | 3/22/2007 | Benzene | 0.55 | J |
| " | " | 3/22/2007 | total 1,2-Dichloroethene | 0.19 | J |
| " | " | 3/22/2007 | gamma-BHC (Lindane) | 0.14 | COL |
| " | " | 3/22/2007 | Heptachlor | 0.037 | J COL |
| " | " | 3/22/2007 | beta-BHC | 0.029 | J COL |
| " | " | 3/22/2007 | delta-BHC | 0.016 | J COL |
| " | " | 3/22/2007 | Endrin aldehyde | 0.011 | J COL |
| " | " | 8/29/2007 | Diallate | 36 | |
| " | " | 8/29/2007 | Acetone | 10 | |
| " | " | 8/29/2007 | Chrysene | 4.1 | J |
| " | " | 8/29/2007 | Butyl benzyl phthalate | 3.5 | J |
| " | " | 8/29/2007 | 3-Methylphenol | 2.5 | J |
| " | " | 8/29/2007 | 4-Methylphenol | 2.5 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| P-26 (cont.) | UNIT 3 (cont.) | 8/29/2007 | Benzo(a)anthracene | 2.2 | J |
| " | " | 8/29/2007 | Bis(2-ethylhexyl) phthalate | 1.7 | J |
| " | " | 8/29/2007 | Benzene | 1.6 | J |
| " | " | 8/29/2007 | Phenanthrene | 1.6 | J |
| " | " | 8/29/2007 | Benzo(a)pyrene | 1.1 | J |
| " | " | 8/29/2007 | Chloroethane | 0.92 | J |
| " | " | 8/29/2007 | 1,2-Dichloroethane | 0.71 | J |
| " | " | 8/29/2007 | Vinyl chloride | 0.7 | J |
| " | " | 8/29/2007 | Chlorobenzene | 0.62 | J |
| " | " | 8/29/2007 | total 1,2-Dichloroethene | 0.44 | J |
| " | " | 8/29/2007 | Trichloroethene | 0.4 | J |
| " | " | 8/29/2007 | delta-BHC | 0.11 | |
| " | " | 8/29/2007 | beta-BHC | 0.027 | J COL |
| " | " | 8/29/2007 | alpha-BHC | 0.023 | J COL |
| " | " | 8/29/2007 | gamma-BHC (Lindane) | 0.016 | J COL |
| | | | | | |
| PROC#1 | | 1/15/2007 | Barium | 160 | |
| | | | | | |
| PROC#2 | | 1/15/2007 | Barium | 50 | |
| | | | | | |
| R-1 | UNIT 6 | 4/26/2007 | 1,1,2-Trichloroethane | 110 | |
| " | " | 4/26/2007 | Benzene | 34 | |
| " | " | 4/26/2007 | Chlorobenzene | 19 | |
| " | " | 4/26/2007 | Carbon tetrachloride | 17 | |
| " | " | 4/26/2007 | 1,2-Dichloroethane | 16 | |
| " | " | 4/26/2007 | Chloroform | 13 | |
| " | " | 4/26/2007 | Acetone | 7.9 | J B |
| " | " | 4/26/2007 | Vinyl chloride | 7.5 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethene | 4.1 | J |
| " | " | 4/26/2007 | Tetrachloroethene | 3.2 | J |
| " | " | 4/26/2007 | Trichloroethene | 2.6 | J |
| " | " | 4/26/2007 | Total Xylenes | 2.1 | J |
| " | " | 4/26/2007 | Ethylbenzene | 1.1 | J |
| " | " | 4/26/2007 | Toluene | 0.56 | J |
| " | " | 4/26/2007 | 1,2-Dichloropropane | 0.49 | J |
| " | " | 10/11/2007 | 1,1,2-Trichloroethane | 110 | |
| " | " | 10/11/2007 | Benzene | 38 | J |
| " | " | 10/11/2007 | 1,2-Dichloroethane | 21 | J |
| " | " | 10/11/2007 | Carbon tetrachloride | 19 | J |
| " | " | 10/11/2007 | Chlorobenzene | 19 | J |
| " | " | 10/11/2007 | Chloroform | 17 | J |
| " | " | 10/11/2007 | Vinyl chloride | 10 | J |
| " | " | 10/11/2007 | Tetrachloroethene | 2.4 | J |
| " | " | 10/11/2007 | Trichloroethene | 2.2 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| R-1 (cont.) | UNIT 6 (cont.) | 10/11/2007 | 1,1-Dichloroethene | 1.8 | J |
| | | | | | |
| R-2 | UNIT 6 | 4/26/2007 | total 1,2-Dichloroethene | 0.15 | J |
| | | | | | |
| R-3 | UNIT 6 | 4/26/2007 | 1,1,2-Trichloroethane | 3.9 | J |
| " | " | 4/26/2007 | 1,1-Dichloroethene | 0.19 | J |
| " | " | 10/11/2007 | 1,1,2-Trichloroethane | 4 | J |
| | | | | | |
| R-4 | UNIT 6 | 4/26/2007 | 1,1,2-Trichloroethane | 2.4 | J |
| " | " | 10/11/2007 | 1,1,2-Trichloroethane | 2.5 | J |
| " | " | 10/11/2007 | Methylene chloride | 0.38 | J B |
| | | | | | |
| R-5 | UNIT 4 | 4/26/2007 | 1,1,2-Trichloroethane | 630 | |
| " | " | 4/26/2007 | Acetone | 130 | J B |
| " | " | 4/26/2007 | 1,1-Dichloroethene | 34 | J |
| " | " | 4/26/2007 | Trichloroethene | 30 | J |
| " | " | 4/26/2007 | Chlorobenzene | 16 | J |
| " | " | 4/26/2007 | Chloroform | 11 | J |
| " | " | 4/26/2007 | Ethylbenzene | 7.9 | J |
| " | " | 4/26/2007 | Tetrachloroethene | 7.2 | J |
| " | " | 4/26/2007 | Benzene | 4.7 | J |
| " | " | 4/26/2007 | 1,2-Dichloroethane | 4.1 | J |
| " | " | 10/11/2007 | 1,1,2-Trichloroethane | 680 | |
| " | " | 10/11/2007 | 1,1-Dichloroethene | 39 | J |
| " | " | 10/11/2007 | Trichloroethene | 30 | J |
| " | " | 10/11/2007 | Vinyl chloride | 20 | J |
| " | " | 10/11/2007 | Chlorobenzene | 16 | J |
| " | " | 10/11/2007 | Chloroform | 11 | J |
| " | " | 10/11/2007 | Methylene chloride | 8.2 | J B |
| " | " | 10/11/2007 | Tetrachloroethene | 6.7 | J |
| " | " | 10/11/2007 | Benzene | 3.2 | J |
| | | | | | |
| SM-02 | UNIT 3 | 2/8/2007 | Sulfide | 1400 | |
| " | " | 2/8/2007 | Barium | 88 | |
| " | " | 2/8/2007 | Methylene chloride | 0.56 | J B |
| | | | | | |
| SM-03 | UNIT 3 | 2/27/2007 | Benzene | 4600 | |
| " | " | 2/27/2007 | Barium | 420 | |
| " | " | 2/27/2007 | Chlorobenzene | 300 | J |
| " | " | 2/27/2007 | Total Xylenes | 270 | J |
| " | " | 2/27/2007 | Naphthalene | 230 | |
| " | " | 2/27/2007 | Chloroform | 200 | J |
| " | " | 2/27/2007 | 2-Methylnaphthalene | 79 | |
| " | " | 2/27/2007 | 1,2-Dichloropropane | 79 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| SM-03 (cont.) | UNIT 3 (cont.) | 2/27/2007 | Trichloroethene | 53 | J |
| " | " | 2/27/2007 | 4-Chloroaniline | 19 | J |
| " | " | 2/27/2007 | 1,2-Dichlorobenzene | 11 | J |
| " | " | 2/27/2007 | Phenol | 11 | J |
| " | " | 2/27/2007 | 1,4-Dichlorobenzene | 5.6 | J |
| " | " | 2/27/2007 | Atrazine | 5.1 | J |
| " | " | 2/27/2007 | gamma-BHC (Lindane) | 3.8 | |
| " | " | 2/27/2007 | 2,4-Dichlorophenoxy acetic acid | 2.7 | COL |
| " | " | 2/27/2007 | Heptachlor | 1.5 | COL |
| " | " | 2/27/2007 | Isodrin | 1.4 | COL |
| " | " | 2/27/2007 | 2,4,5-TP (Silvex) | 0.57 | COL |
| " | " | 2/27/2007 | Aldrin | 0.44 | COL |
| " | " | 2/27/2007 | alpha-BHC | 0.24 | J COL |
| " | " | 2/27/2007 | 4,4'-DDD | 0.22 | J COL |
| " | " | 2/27/2007 | Alpha-Endosulfan | 0.2 | J COL |
| " | " | 8/15/2007 | Benzene | 3900 | |
| " | " | 8/15/2007 | 1,2-Dichloroethane | 480 | J |
| " | " | 8/15/2007 | Chloroform | 430 | J |
| " | " | 8/15/2007 | Chlorobenzene | 260 | J |
| " | " | 8/15/2007 | Total Xylenes | 250 | J |
| " | " | 8/15/2007 | Naphthalene | 170 | |
| " | " | 8/15/2007 | 1,2-Dichloropropane | 80 | J |
| " | " | 8/15/2007 | 2-Methylnaphthalene | 59 | |
| " | " | 8/15/2007 | Trichloroethene | 53 | J |
| " | " | 8/15/2007 | total 1,2-Dichloroethene | 44 | J |
| " | " | 8/15/2007 | Methylene chloride | 36 | J |
| " | " | 8/15/2007 | Vinyl chloride | 34 | J |
| " | " | 8/15/2007 | Toluene | 26 | J |
| " | " | 8/15/2007 | Tetrachloroethene | 26 | J |
| " | " | 8/15/2007 | 1,2-Dichlorobenzene | 10 | |
| " | " | 8/15/2007 | Diethyl phthalate | 5.9 | J |
| " | " | 8/15/2007 | 2,4,5-TP (Silvex) | 5.4 | COL |
| " | " | 8/15/2007 | N-nitroso-di-n-propylamine | 4.8 | J |
| " | " | 8/15/2007 | 1,4-Dichlorobenzene | 4.6 | J |
| " | " | 8/15/2007 | 2,4,5-T | 3.4 | |
| " | " | 8/15/2007 | 2,4,5-Trichlorophenol | 2.9 | J |
| " | " | 8/15/2007 | Benzyl alcohol | 2.4 | J |
| " | " | 8/15/2007 | o,o,o-Triethylphosphorothioate | 2.4 | J |
| " | " | 8/15/2007 | gamma-BHC (Lindane) | 2.2 | COL |
| " | " | 8/15/2007 | 2,4-Dichlorophenoxy acetic acid | 2.1 | COL |
| " | " | 8/15/2007 | Di-n-butyl phthalate | 2.1 | J |
| " | " | 8/15/2007 | Bis(2-ethylhexyl) phthalate | 2.1 | J |
| " | " | 8/15/2007 | 2,4-Dichlorophenol | 1.8 | J |
| " | " | 8/15/2007 | Isophorone | 1 | J |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| SM-03 (cont.) | UNIT 3 (cont.) | 8/15/2007 | delta-BHC | 0.6 | |
| " | " | 8/15/2007 | 4,4'-DDT | 0.39 | J COL |
| " | " | 8/15/2007 | alpha-BHC | 0.23 | J COL |
| " | " | 8/15/2007 | 4,4'-DDE | 0.21 | J |
| " | " | 8/15/2007 | 4,4'-DDD | 0.13 | J COL |
| | | | | | |
| a-DM-01 | UNIT 6 | 3/21/2007 | Barium | 400 | |
| | | | | | |
| a-DM-02 | UNIT 6 | 3/20/2007 | Barium | 510 | |
| " | " | 3/20/2007 | Methylene chloride | 0.38 | J B |
| " | " | 3/20/2007 | Trichloroethene | 0.26 | J |
| " | " | 9/10/2007 | Trichloroethene | 0.29 | J |
| | | | | | |
| a-DM-04 | UNIT 6 | 3/19/2007 | Barium | 540 | |
| " | " | 3/19/2007 | 1,1,2-Trichloroethane | 5.6 | |
| " | " | 3/19/2007 | Methylene chloride | 0.51 | J B |
| " | " | 3/19/2007 | Tetrachloroethene | 0.36 | J |
| " | " | 3/19/2007 | 1,1-Dichloroethene | 0.29 | J |
| " | " | 3/19/2007 | Thionazin | 0.13 | J |
| " | " | 3/19/2007 | Phorate | 0.12 | J |
| " | " | 9/5/2007 | 1,1,2-Trichloroethane | 5.4 | |
| " | " | 9/5/2007 | 1,1-Dichloroethene | 0.33 | J |
| | | | | | |
| a-DM-05 | UNIT 6 | 3/19/2007 | Barium | 600 | |
| " | " | 3/19/2007 | Methylene chloride | 0.43 | J B |
| " | " | 3/19/2007 | total 1,2-Dichloroethene | 0.28 | J |
| " | " | 9/5/2007 | Tetrachloroethene | 0.32 | J |
| " | " | 9/5/2007 | total 1,2-Dichloroethene | 0.27 | J |
| | | | | | |
| a-DM-06 | UNIT 6 | 3/20/2007 | Barium | 460 | |
| " | " | 3/20/2007 | total 1,2-Dichloroethene | 0.36 | J |
| " | " | 3/20/2007 | Methylene chloride | 0.35 | J B |
| " | " | 3/20/2007 | Tetrachloroethene | 0.3 | J |
| " | " | 9/5/2007 | total 1,2-Dichloroethene | 0.31 | J |
| " | " | 9/5/2007 | Tetrachloroethene | 0.24 | J |
| " | " | 9/5/2007 | Trichloroethene | 0.2 | J |
| | | | | | |
| a-LM-01 | UNIT 8 | 3/20/2007 | Barium | 410 | |
| " | " | 3/20/2007 | Methylene chloride | 0.36 | J B |
| | | | | | |
| a-LM-02 | UNIT 8 | 3/19/2007 | Barium | 680 | |
| " | " | 3/19/2007 | Methylene chloride | 0.54 | J B |
| | | | | | |
| | | | | | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 5
# SUMMARY OF DETECTED CONSTITUENTS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | SAMPLE DATE | CONSTITUENT | CONCENTRATION (ppb) | |
|---|---|---|---|---|---|
| a-SM-01 | UNIT 3 | 3/20/2007 | Barium | 260 | |
| " | " | 3/20/2007 | Methylene chloride | 0.38 | J B |
| | | | | | |
| a-SM-07 | UNIT 3 | 3/19/2007 | Methylene chloride | 0.47 | J B |
| | | | | | |
| a-SM-08 | UNIT 3 | 3/20/2007 | Barium | 71 | |
| " | " | 3/20/2007 | Methylene chloride | 0.37 | J B |
| | | | | | |
| a-SM-09 | UNIT 4 | 3/21/2007 | Barium | 440 | |
| " | " | 3/21/2007 | Trichloroethene | 240 | |
| " | " | 3/21/2007 | Tetrachloroethene | 150 | |
| " | " | 3/21/2007 | Chloroform | 100 | |
| " | " | 3/21/2007 | 1,2-Dichloropropane | 18 | J |
| " | " | 3/21/2007 | Chlorobenzene | 18 | J |
| " | " | 3/21/2007 | 1,2,4-Trichlorobenzene | 9.2 | J |
| " | " | 3/21/2007 | 1,2-Dichlorobenzene | 5.2 | J |
| " | " | 3/21/2007 | Carbon tetrachloride | 4 | J |
| " | " | 3/21/2007 | Benzene | 3.7 | J |
| " | " | 3/21/2007 | Methylene chloride | 2.6 | J B |
| " | " | 3/21/2007 | 1,1-Dichloroethene | 1.9 | J |
| " | " | 9/10/2007 | Trichloroethene | 280 | |
| " | " | 9/10/2007 | Tetrachloroethene | 180 | |
| " | " | 9/10/2007 | Chloroform | 88 | |
| " | " | 9/10/2007 | Chlorobenzene | 17 | J |
| " | " | 9/10/2007 | 1,2-Dichloropropane | 13 | J |
| " | " | 9/10/2007 | 1,2,4-Trichlorobenzene | 6.4 | J |
| " | " | 9/10/2007 | Carbon tetrachloride | 4.3 | J |
| " | " | 9/10/2007 | 1,2-Dichlorobenzene | 3.8 | J |
| " | " | 9/10/2007 | Benzene | 2.7 | J |
| " | " | 9/10/2007 | Methylene chloride | 2.5 | J |
| " | " | 9/10/2007 | 1,1-Dichloroethene | 0.91 | J |
| | | | | | |
| a-SM-10 | UNIT 3 | 3/21/2007 | Barium | 440 | |

B - Indicates constituent detected in the Method Blank.
E - Indicates result concentrations exceeding the calibration range.
J - Indicates concentration below Method Detection Limit.
L - Indicates probable physical and chemical matrix interference.
U - Indicates less than Minimum Detectable Concentration level.
COL - Indicates percent difference between the primary and confirmation columns exceeded 40%. The lower of the two values has been reported.
"a" represents off-site monitor well belonging to ExxonMobil (formerly PAXON).
% indicates immiscible layer sample.

# TABLE 6
# SUMMARY OF TOTAL VOC CONCENTRATIONS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | 2006 (ppm) | 2007 (ppm) | DIFFERENCE* (ppm) |
|---|---|---|---|---|
| 01A | UNIT 3 | BDL | BDL | 0.000 |
| 02A | " | BDL | BDL | 0.000 |
| 03A | " | BDL | BDL | 0.000 |
| 04A | " | 0.800 | 0.246 | -0.554 |
| 05AR | " | BDL | BDL | 0.000 |
| 06A | " | 0.360 | 0.470 | 0.110 |
| 07A | " | 0.310 | 0.379 | 0.069 |
| 10A | " | 0.530 | 0.4855 | -0.044 |
| 11A | " | BDL | BDL | 0.000 |
| 12A | " | 5.040 | 22.050 | 17.010 |
| 13A | " | 0.870 | 1.030 | 0.160 |
| 13AR | " | 0.533 | 0.565 | 0.032 |
| 14A | " | BDL | BDL | 0.000 |
| 16A | " | BDL | BDL | 0.000 |
| 22AW | " | BDL | BDL | 0.000 |
| 23A | " | BDL | 0.0039 | 0.004 |
| 24A | " | 10.550 | 9.800 | -0.750 |
| 25A | " | 0.709 | 0.685 | -0.024 |
| 27A | " | 8.950 | 9.365 | 0.415 |
| 28A | " | 1.225 | 3.410 | 2.185 |
| 33A | " | BDL | BDL | 0.000 |
| 34A | " | BDL | BDL | 0.000 |
| 35A | " | BDL | BDL | 0.000 |
| 37A | " | 0.009 | 0.0096 | 0.001 |
| 39A | " | BDL | BDL | 0.000 |
| 40A | " | BDL | BDL | 0.000 |
| 42A | " | BDL | BDL | 0.000 |
| 43A | " | BDL | BDL | 0.000 |
| 48A | " | BDL | BDL | 0.000 |
| I-2 | " | 140.000 | 230.000 | 90.000 |
| I-2R | " | 36.000 | 26.500 | -9.500 |
| I-10 | " | 1.165 | 1.555 | 0.390 |
| P-26 | " | 0.035 | 0.013 | -0.022 |
| SM-02 | " | BDL | BDL | 0.000 |
| SM-03 | " | 5.050 | 4.250 | -0.800 |
| SM-04 | " | BDL | BDL | 0.000 |
| SM-05 | " | BDL | BDL | 0.000 |
| a-SM-01 | " | BDL | BDL | 0.000 |
| a-SM-07 | " | BDL | BDL | 0.000 |
| a-SM-08 | " | BDL | BDL | 0.000 |
| a-SM-10 | " | BDL | BDL | 0.000 |
| 01B | UNIT 4 | BDL | BDL | 0.000 |
| 04B-1 | " | 5.100 | 8.005 | 2.905 |
| 05A | " | 0.015 | BDL | -0.015 |

* - A positive value denotes an increase in concentration from 2006 annual coverage, a negative value denotes a decrease in concentration from 2006 annual average.

Not Sampled - Either well was dry or well was not sampled for volatile compounds in 2006 or 2007.

BDL - Below detection limits.

# TABLE 6
# SUMMARY OF TOTAL VOC CONCENTRATIONS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | 2006 (ppm) | 2007 (ppm) | DIFFERENCE* (ppm) |
|---|---|---|---|---|
| 05B | UNIT 4 (cont.) | 1.020 | 0.267 | -0.753 |
| 05B-1 | " | 3.535 | 3.540 | 0.005 |
| 06B | " | 0.099 | 0.150 | 0.052 |
| 07B | " | 1.320 | 1.265 | -0.055 |
| 08B | " | 0.006 | BDL | -0.006 |
| 08B-1 | " | BDL | BDL | 0.000 |
| 09A | " | 0.310 | 0.443 | 0.133 |
| 09AW | " | 7.850 | 7.180 | -0.670 |
| 10AW | " | BDL | BDL | 0.000 |
| 13B | " | 1.450 | 3.160 | 1.710 |
| 13B-1 | " | 0.865 | 0.765 | -0.100 |
| 14B | " | BDL | BDL | 0.000 |
| 15B | " | BDL | BDL | 0.000 |
| 17B-1 | " | 0.021 | 0.038 | 0.017 |
| 20A | " | 0.316 | 0.2285 | -0.087 |
| 21A | " | 4.935 | 5.760 | 0.825 |
| 22A | " | BDL | 0.00265 | 0.003 |
| 22B-1 | " | BDL | BDL | 0.000 |
| 23B-1 | " | BDL | BDL | 0.000 |
| 26A | " | 0.042 | 0.0975 | 0.055 |
| 29A | " | 1.230 | 1.580 | 0.350 |
| 30A | " | 6.300 | 4.795 | -1.505 |
| 31B-1L | " | BDL | BDL | 0.000 |
| 31B-1U | " | BDL | BDL | 0.000 |
| 32B-1 | " | 0.252 | 0.2385 | -0.014 |
| 33B-1 | " | BDL | BDL | 0.000 |
| 34B-1 | " | 0.019 | 0.0155 | -0.004 |
| 35B-1 | " | BDL | BDL | 0.000 |
| 36B-1 | " | BDL | BDL | 0.000 |
| 37B-1 | " | BDL | BDL | 0.000 |
| 38A | " | BDL | BDL | 0.000 |
| 42B-1 | " | BDL | BDL | 0.000 |
| 46B-1 | " | BDL | BDL | 0.000 |
| 47B-1 | " | 0.0068 | 0.03865 | 0.0320 |
| 50B-1 | " | 0.031 | 0.044 | 0.013 |
| 51B-1 | " | BDL | 0.0026 | 0.003 |
| 54B-1 | " | BDL | BDL | 0.000 |
| AT-18 | " | BDL | BDL | 0.000 |
| AT-19 | " | BDL | 0.0028 | 0.003 |
| AT-20 | " | BDL | BDL | 0.000 |
| AT-31 | " | BDL | BDL | 0.000 |
| AT-32 | " | BDL | BDL | 0.000 |
| AT-36 | " | 217.000 | 340.000 | 123.000 |
| I-3 | " | 0.123 | 0.480 | 0.357 |

* - A positive value denotes an increase in concentration from 2006 annual coverage, a negative value denotes a decrease in concentration from 2006 annual average.

Not Sampled - Either well was dry or well was not sampled for volatile compounds in 2006 or 2007.

BDL - Below detection limits.

# TABLE 6
# SUMMARY OF TOTAL VOC CONCENTRATIONS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | 2006 (ppm) | 2007 (ppm) | DIFFERENCE* (ppm) |
|---|---|---|---|---|
| I-5 | UNIT 4 (cont.) | 3.245 | 3.255 | 0.010 |
| I-7 | " | 8.350 | 8.000 | -0.350 |
| I-8 | " | 2.225 | 2.530 | 0.305 |
| I-9 | " | 0.018 | 0.0055 | -0.012 |
| I-11 | " | 1.977 | 1.335 | -0.641 |
| I-12 | " | 122.800 | 61.100 | -61.700 |
| I-13 | " | 1.480 | 3.800 | 2.321 |
| OB-33 | " | BDL | BDL | 0.000 |
| R-5 | " | 1.420 | 0.655 | -0.765 |
| a-SM-09 | " | 0.480 | 0.519 | 0.039 |
| 04B | UNIT 6 | 0.009 | 0.0143 | 0.006 |
| 04B-2 | " | BDL | BDL | 0.000 |
| 05B-2 | " | 0.642 | 0.705 | 0.063 |
| 06BR | " | 0.049 | 0.05485 | 0.006 |
| 08B-2 | " | BDL | BDL | 0.000 |
| 09B-1 | " | BDL | BDL | 0.000 |
| 10B | " | BDL | BDL | 0.000 |
| 11B | " | BDL | BDL | 0.000 |
| 13B-2 | " | BDL | BDL | 0.000 |
| 17B-2 | " | BDL | BDL | 0.000 |
| 21B-1 | " | 0.210 | 1.939 | 1.729 |
| 23B-2 | " | BDL | BDL | 0.000 |
| 24B-2 | " | 0.243 | 0.186 | -0.057 |
| 25B-1 | " | BDL | BDL | 0.000 |
| 28B-1 | " | 0.016 | 0.0367 | 0.021 |
| 30B-1 | " | BDL | BDL | 0.000 |
| 31B-2 | " | 0.202 | 0.6595 | 0.458 |
| 32B-2 | " | 0.696 | 0.4315 | -0.264 |
| 33B-2 | " | BDL | BDL | 0.000 |
| 35B-2 | " | BDL | BDL | 0.000 |
| 37B-2 | " | BDL | BDL | 0.000 |
| 38B-1 | " | BDL | BDL | 0.000 |
| 39B-2 | " | BDL | BDL | 0.000 |
| 40B-2 | " | BDL | BDL | 0.000 |
| 49B-2 | " | BDL | BDL | 0.000 |
| AT-01 | " | BDL | BDL | 0.000 |
| AT-03 | " | BDL | BDL | 0.000 |
| AT-05 | " | BDL | BDL | 0.000 |
| AT-07 | " | BDL | BDL | 0.000 |
| AT-08 | " | BDL | BDL | 0.000 |
| AT-09 | " | BDL | BDL | 0.000 |
| AT-10 | " | BDL | BDL | 0.000 |
| AT-11 | " | BDL | BDL | 0.000 |
| AT-12R | " | BDL | BDL | 0.000 |

* - A positive value denotes an increase in concentration from 2006 annual coverage, a negative value denotes a decrease in concentration from 2006 annual average.

Not Sampled - Either well was dry or well was not sampled for volatile compounds in 2006 or 2007.

BDL - Below detection limits.

# TABLE 6
# SUMMARY OF TOTAL VOC CONCENTRATIONS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | 2006 (ppm) | 2007 (ppm) | DIFFERENCE* (ppm) |
|---|---|---|---|---|
| AT-14 | UNIT 6 (cont.) | BDL | BDL | 0.000 |
| AT-15 | " | 0.037 | 0.0166 | -0.020 |
| AT-16 | " | BDL | BDL | 0.000 |
| AT-17 | " | BDL | BDL | 0.000 |
| AT-21 | " | 0.030 | 0.02155 | -0.009 |
| AT-22 | " | BDL | BDL | 0.000 |
| AT-24 | " | BDL | BDL | 0.000 |
| AT-25 | " | BDL | BDL | 0.000 |
| AT-28 | " | BDL | BDL | 0.000 |
| AT-29 | " | BDL | BDL | 0.000 |
| AT-33 | " | BDL | BDL | 0.000 |
| AT-34 | " | 320.500 | 243.000 | -77.500 |
| AT-35 | " | 0.273 | 0.231 | -0.042 |
| AT-37 | " | 10.490 | 10.050 | -0.440 |
| DM-03 | " | 0.156 | 0.2075 | 0.052 |
| I-1 | " | 1.255 | 1.500 | 0.245 |
| I-1R | " | 1.040 | 1.0325 | -0.007 |
| I-4 | " | 0.320 | 1.010 | 0.690 |
| I-6 | " | 0.740 | 0.980 | 0.240 |
| R-1 | " | 0.112 | 0.1595 | 0.047 |
| R-2 | " | BDL | BDL | 0.000 |
| R-3 | " | BDL | BDL | 0.000 |
| R-4 | " | BDL | BDL | 0.000 |
| a-DM-01 | " | BDL | BDL | 0.000 |
| a-DM-02 | " | BDL | BDL | 0.000 |
| a-DM-04 | " | BDL | 0.0055 | 0.005 |
| a-DM-05 | " | 0.010 | BDL | -0.009 |
| a-DM-06 | " | BDL | BDL | 0.000 |
| 01C | UNIT 8 | BDL | BDL | 0.000 |
| 03C | " | BDL | BDL | 0.000 |
| 04C | " | BDL | BDL | 0.000 |
| 04CL | " | BDL | BDL | 0.000 |
| 04CU | " | BDL | BDL | 0.000 |
| 05C | " | BDL | BDL | 0.000 |
| 05CU | " | BDL | BDL | 0.000 |
| 06B-2R | " | BDL | BDL | 0.000 |
| 06CR | " | BDL | BDL | 0.000 |
| 08C | " | BDL | BDL | 0.000 |
| 09CR | " | BDL | BDL | 0.000 |
| 11C | " | BDL | BDL | 0.000 |
| 13C | " | BDL | 0.00655 | 0.007 |
| 14C | " | BDL | BDL | 0.000 |
| 23C | " | BDL | BDL | 0.000 |
| 24C | " | BDL | BDL | 0.000 |

* - A positive value denotes an increase in concentration from 2006 annual coverage, a negative value denotes a decrease in concentration from 2006 annual average.
Not Sampled - Either well was dry or well was not sampled for volatile compounds in 2006 or 2007.
BDL - Below detection limits.

# TABLE 6
# SUMMARY OF TOTAL VOC CONCENTRATIONS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | 2006 (ppm) | 2007 (ppm) | DIFFERENCE* (ppm) |
|---|---|---|---|---|
| 24CL | UNIT 8 (cont.) | BDL | BDL | 0.000 |
| 31C | " | BDL | BDL | 0.000 |
| 33CL | " | BDL | BDL | 0.000 |
| 33CU | " | 0.015 | 0.007 | -0.008 |
| 52C | " | BDL | BDL | 0.000 |
| 53C | " | 0.173 | 0.1815 | 0.008 |
| AT-02 | " | BDL | BDL | 0.000 |
| AT-04 | " | BDL | BDL | 0.000 |
| AT-06 | " | BDL | BDL | 0.000 |
| AT-23 | " | BDL | BDL | 0.000 |
| AT-26 | " | BDL | BDL | 0.000 |
| AT-27 | " | BDL | BDL | 0.000 |
| AT-30 | " | BDL | BDL | 0.000 |
| a-LM-01 | " | BDL | BDL | 0.000 |
| a-LM-02 | " | BDL | BDL | 0.000 |
| PROC#1 | -- | BDL | BDL | 0.000 |
| PROC#2 | -- | BDL | BDL | 0.000 |

* - A positive value denotes an increase in concentration from 2006 annual coverage, a negative value denotes a decrease in concentration from 2006 annual average.
Not Sampled - Either well was dry or well was not sampled for volatile compounds in 2006 or 2007.
BDL - Below detection limits.

# TABLE 6A
# SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
# EXXONMOBIL SPLIT SAMPLING EVENT
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P
# CAMERON-COLE, LLC

| WELL | AT-13 | | AT-14 | | AT-15 | | AT-16 | | AT-17 | |
|---|---|---|---|---|---|---|---|---|---|---|
| COMPANY | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors |
| DATE | 9/4/2007 | 9/4/2007 | 9/4/2007 | 9/4/2007 | 9/4/2007 | 9/4/2007 | 9/4/2007 | 9/4/2007 | 9/6/2007 | 9/6/2007 |
| | Volatile Organic Compounds* (EPA Method 8260B) | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | BDL | BDL | BDL | BDL | BDL | 0.0062 | 0.006 | 0.001J | BDL | BDL |
| 1,1,2-Trichloroethane | BDL | 0.0012J | BDL | BDL | BDL | 0.015 | 0.015 | 0.0013J | BDL | BDL |
| 1,1-Dichloroethane | BDL | BDL | BDL | BDL | BDL | 0.0038J | BDL | 0.00021J | BDL | BDL |
| 1,1-Dichloroethene | BDL | BDL | BDL | BDL | BDL | 0.0012J | BDL | 0.00018J | BDL | BDL |
| 1,2-Dichloropropane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Acetone | BDL | BDL | BDL | 0.0055JB | BDL | BDL | BDL | 0.0022JB | BDL | BDL |
| Benzene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Carbon tetrachloride | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Chlorobenzene | BDL | 0.00019J | BDL | BDL | BDL | BDL | BDL | 0.00052J | BDL | BDL |
| Chloroform | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Tetrachloroethene | BDL | BDL | BDL | BDL | BDL | 0.00074J | BDL | 0.00041J | BDL | BDL |
| Trichloroethene | BDL | BDL | BDL | BDL | BDL | 0.0028J | BDL | 0.00074J | BDL | BDL |

Notes: Data given in Milligrams per Liter (mg/L).
J - Indicates concentration below Method Detection Limit.
B - Compound was detected in the method blank.
* Other constituents analyzed for, but not listed in this table, were below their respective Practical Quantitation Limits (PQL).

# TABLE 6A
# SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
# EXXONMOBIL SPLIT SAMPLING EVENT
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P
# CAMERON-COLE, LLC

| WELL | AT-18 | | AT-19 | | AT-20 | | AT-27 | | AT-28 | |
|---|---|---|---|---|---|---|---|---|---|---|
| COMPANY | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors |
| DATE | 9/6/2007 | 9/6/2007 | 9/10/2007 | 9/10/2007 | 9/10/2007 | 9/10/2007 | 9/4/2007 | 9/4/2007 | 9/4/2007 | 9/4/2007 |
| | Volatile Organic Compounds* (EPA Method 8260B) | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1,2-Trichloroethane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1-Dichloroethane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1-Dichloroethene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,2-Dichloropropane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Acetone | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Benzene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Carbon tetrachloride | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Chlorobenzene | BDL | BDL | 0.016 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Chloroform | BDL | BDL | BDL | 0.00057J | BDL | BDL | BDL | BDL | BDL | BDL |
| Tetrachloroethene | BDL | BDL | BDL | 0.00043J | BDL | BDL | BDL | BDL | BDL | BDL |
| Trichloroethene | BDL | BDL | BDL | 0.0044J | BDL | BDL | BDL | BDL | BDL | BDL |

Notes: Data given in Milligrams per Liter (mg/L).
J - Indicates concentration below Method Detection Limit.
B - Compound was detected in the method blank.
* Other constituents analyzed for, but not listed in this table, were below their respective Practical Quantitation Limits (PQL).

# TABLE 6A
# SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
# EXXONMOBIL SPLIT SAMPLING EVENT
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P
# CAMERON-COLE, LLC

| WELL | AT-29 | | AT-30 | | AT-31 | | AT-32 | | AT-33 | |
|---|---|---|---|---|---|---|---|---|---|---|
| COMPANY | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors |
| DATE | 9/4/2007 | 9/4/2007 | 9/4/2007 | 9/4/2007 | 9/6/2007 | 9/6/2007 | 9/6/2007 | 9/6/2007 | 9/6/2007 | 9/6/2007 |
| | Volatile Organic Compounds* (EPA Method 8260B) | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1,2-Trichloroethane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1-Dichloroethane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1-Dichloroethene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,2-Dichloropropane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Acetone | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Benzene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Carbon tetrachloride | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Chlorobenzene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Chloroform | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Tetrachloroethene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Trichloroethene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |

Notes: Data given in Milligrams per Liter (mg/L).
J - Indicates concentration below Method Detection Limit.
B - Compound was detected in the method blank.
* Other constituents analyzed for, but not listed in this table, were below their respective Practical Quantitation Limits (PQL).

# TABLE 6A
# SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
# EXXONMOBIL SPLIT SAMPLING EVENT
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P
# CAMERON-COLE, LLC

| WELL | a-LM-01 | | a-LM-02 | | a-DM-02 | | a-DM-04 | | a-DM-05 | |
|---|---|---|---|---|---|---|---|---|---|---|
| COMPANY | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors |
| DATE | 9/10/2007 | 9/10/2007 | 9/5/2007 | 9/5/2007 | 9/10/2007 | 9/10/2007 | 9/5/2007 | 9/5/2007 | 9/5/2007 | 9/5/2007 |
| | Volatile Organic Compounds* (EPA Method 8260B) | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1,2-Trichloroethane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0.0054 | BDL | BDL |
| 1,1-Dichloroethane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1-Dichloroethene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0.00033J | BDL | BDL |
| 1,2-Dichloropropane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Acetone | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Benzene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Carbon tetrachloride | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Chlorobenzene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Chloroform | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Tetrachloroethene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0.00032J |
| Trichloroethene | BDL | BDL | BDL | BDL | BDL | .00029J | BDL | BDL | BDL | BDL |

Notes: Data given in Milligrams per Liter (mg/L).
J - Indicates concentration below Method Detection Limit.
B - Compound was detected in the method blank.
* Other constituents analyzed for, but not listed in this table, were below their respective Practical Quantitation Limits (PQL).

# TABLE 6A
# SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
# EXXONMOBIL SPLIT SAMPLING EVENT
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P
# CAMERON-COLE, LLC

| WELL | a-DM-06 | | a-SM-01 | | a-SM-07 | | a-SM-08 | | a-SM-09 | |
|---|---|---|---|---|---|---|---|---|---|---|
| COMPANY | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors | ExxonMobil | Clean Harbors |
| DATE | 9/5/2007 | 9/5/2007 | 9/10/2007 | 9/10/2007 | 9/5/2007 | 9/5/2007 | 9/5/2007 | 9/5/2007 | 9/10/2007 | 9/10/2007 |
| | Volatile Organic Compounds* (EPA Method 8260B) | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1,2-Trichloroethane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0.005 | BDL |
| 1,1-Dichloroethane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| 1,1-Dichloroethene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0.00091J |
| 1,2-Dichloropropane | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0.009 | 0.013J |
| Acetone | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| Benzene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0.0027J |
| Carbon tetrachloride | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0.0043J |
| Chlorobenzene | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0.016 | 0.017J |
| Chloroform | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | 0.082 | 0.088 |
| Tetrachloroethene | BDL | 0.00024J | BDL | BDL | BDL | BDL | BDL | BDL | 0.13 | 0.18 |
| Trichloroethene | BDL | 0.0002J | BDL | BDL | BDL | BDL | BDL | BDL | 0.229 | 0.28 |

Notes: Data given in Milligrams per Liter (mg/L).
J - Indicates concentration below Method Detection Limit.
B - Compound was detected in the method blank.
* Other constituents analyzed for, but not listed in this table, were below their respective Practical Quantitation Limits (PQL).

# TABLE 7
# SUMMARY OF TOTAL SVOC CONCENTRATIONS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | 2006 (ppm) | 2007 (ppm) | DIFFERENCE* (ppm) |
|---|---|---|---|---|
| 04A | UNIT 3 | 0.025 | BDL | -0.025 |
| 05AR | " | Not Sampled | BDL | NA |
| 06A | " | BDL | 0.0245 | 0.025 |
| 07A | " | BDL | Not Sampled | NA |
| 10A | " | 0.125 | 0.2765 | 0.151 |
| 11A | " | BDL | BDL | 0.000 |
| 12A | " | 0.151 | 0.1995 | 0.049 |
| 13AR | " | 0.115 | 0.185 | 0.070 |
| 16A | " | BDL | BDL | 0.000 |
| 22AW | " | BDL | BDL | 0.000 |
| 23A | " | BDL | BDL | 0.000 |
| 24A | " | 1.960 | 2.555 | 0.595 |
| 25A | " | 0.640 | 0.595 | -0.045 |
| 27A | " | 0.042 | 0.029 | -0.013 |
| 28A | " | BDL | BDL | 0.000 |
| 33A | " | BDL | BDL | 0.000 |
| 34A | " | BDL | BDL | 0.000 |
| 35A | " | BDL | BDL | 0.000 |
| 37A | " | BDL | BDL | 0.000 |
| 39A | " | BDL | BDL | 0.000 |
| 40A | " | BDL | BDL | 0.000 |
| 42A | " | BDL | BDL | 0.000 |
| 43A | " | BDL | BDL | 0.000 |
| 48A | " | BDL | BDL | 0.000 |
| P-26 | " | BDL | 0.0435 | 0.043 |
| SM-02 | " | BDL | BDL | 0.000 |
| SM-03 | " | 0.392 | 0.274 | -0.117 |
| a-SM-01 | " | BDL | BDL | 0.000 |
| a-SM-08 | " | Not Sampled | BDL | NA |
| 04B-1 | UNIT 4 | BDL | BDL | 0.000 |
| 05B | " | 0.158 | 0.050 | -0.108 |
| 05B-1 | " | 1.141 | 1.0975 | -0.043 |
| 06B | " | BDL | BDL | 0.000 |
| 07B | " | 2.225 | 1.545 | -0.680 |
| 08B | " | BDL | BDL | 0.000 |
| 08B-1 | " | BDL | BDL | 0.000 |
| 09A | " | BDL | BDL | 0.000 |
| 09AW | " | 0.070 | 0.069 | -0.001 |
| 10AW | " | BDL | BDL | 0.000 |
| 13B-1 | " | 1.270 | 1.150 | -0.120 |
| 15B | " | BDL | BDL | 0.000 |
| 17B-1 | " | BDL | BDL | 0.000 |
| 20A | " | 0.203 | 0.277 | 0.074 |
| 21A | " | 5.330 | 5.655 | 0.325 |

* - A positive value denotes an increase in concentration from 2006 annual coverage, a negative value denotes a decrease in concentration from 2006 annual average.
Not Sampled - Either well was dry or well was not sampled for volatile compounds in 2006 or 2007.
BDL - Below detection limits.

# TABLE 7
# SUMMARY OF TOTAL SVOC CONCENTRATIONS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | 2006 (ppm) | 2007 (ppm) | DIFFERENCE* (ppm) |
|---|---|---|---|---|
| 22A | UNIT 4 (cont.) | BDL | BDL | 0.000 |
| 22B-1 | " | BDL | BDL | 0.000 |
| 23B-1 | " | BDL | BDL | 0.000 |
| 26A | " | BDL | BDL | 0.000 |
| 31B-1L | " | BDL | BDL | 0.000 |
| 31B-1U | " | BDL | BDL | 0.000 |
| 32B-1 | " | 0.018 | 0.026 | 0.009 |
| 33B-1 | " | BDL | BDL | 0.000 |
| 34B-1 | " | 0.069 | 0.0695 | 0.000 |
| 35B-1 | " | BDL | BDL | 0.000 |
| 36B-1 | " | BDL | BDL | 0.000 |
| 37B-1 | " | BDL | BDL | 0.000 |
| 38A | " | BDL | BDL | 0.000 |
| 42B-1 | " | BDL | BDL | 0.000 |
| 46B-1 | " | BDL | BDL | 0.000 |
| 47B-1 | " | BDL | BDL | 0.000 |
| 50B-1 | " | BDL | BDL | 0.000 |
| 51B-1 | " | BDL | BDL | 0.000 |
| 54B-1 | " | BDL | BDL | 0.000 |
| AT-18 | " | BDL | BDL | 0.000 |
| AT-19 | " | BDL | BDL | 0.000 |
| AT-20 | " | BDL | BDL | 0.000 |
| AT-31 | " | BDL | BDL | 0.000 |
| AT-32 | " | BDL | BDL | 0.000 |
| AT-36 | " | BDL | BDL | 0.000 |
| a-SM-09 | " | 0.010 | BDL | -0.010 |
| 04B | UNIT 6 | BDL | BDL | 0.000 |
| 04B-2 | " | BDL | BDL | 0.000 |
| 05B-2 | " | 0.054 | 0.053 | -0.001 |
| 06BR | " | BDL | BDL | 0.000 |
| 08B-2 | " | BDL | BDL | 0.000 |
| 09B-1 | " | BDL | BDL | 0.000 |
| 10B | " | BDL | 0.1745 | 0.174 |
| 11B | " | BDL | BDL | 0.000 |
| 13B-2 | " | BDL | BDL | 0.000 |
| 17B-2 | " | BDL | BDL | 0.000 |
| 21B-1 | " | 0.190 | 0.9645 | 0.775 |
| 23B-2 | " | BDL | BDL | 0.000 |
| 24B-2 | " | 0.198 | 0.2855 | 0.088 |
| 25B-1 | " | BDL | BDL | 0.000 |
| 28B-1 | " | BDL | BDL | 0.000 |
| 30B-1 | " | BDL | BDL | 0.000 |
| 31B-2 | " | BDL | 0.047 | 0.047 |
| 32B-2 | " | 0.046 | 0.048 | 0.003 |

* - A positive value denotes an increase in concentration from 2006 annual coverage, a negative value denotes a decrease in concentration from 2006 annual average.

Not Sampled - Either well was dry or well was not sampled for volatile compounds in 2006 or 2007.

BDL - Below detection limits.

# TABLE 7
# SUMMARY OF TOTAL SVOC CONCENTRATIONS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | 2006 (ppm) | 2007 (ppm) | DIFFERENCE* (ppm) |
|---|---|---|---|---|
| 33B-2 | UNIT 6 (cont.) | BDL | BDL | 0.000 |
| 37B-2 | " | BDL | BDL | 0.000 |
| 38B-1 | " | BDL | BDL | 0.000 |
| 39B-2 | " | BDL | BDL | 0.000 |
| 40B-2 | " | BDL | BDL | 0.000 |
| 49B-2 | " | BDL | BDL | 0.000 |
| AT-01 | " | BDL | BDL | 0.000 |
| AT-03 | " | BDL | BDL | 0.000 |
| AT-07 | " | BDL | BDL | 0.000 |
| AT-08 | " | BDL | BDL | 0.000 |
| AT-09 | " | BDL | BDL | 0.000 |
| AT-10 | " | BDL | BDL | 0.000 |
| AT-11 | " | BDL | BDL | 0.000 |
| AT-12R | " | BDL | BDL | 0.000 |
| AT-13 | " | BDL | BDL | 0.000 |
| AT-14 | " | BDL | BDL | 0.000 |
| AT-15 | " | BDL | BDL | 0.000 |
| AT-16 | " | BDL | BDL | 0.000 |
| AT-17 | " | BDL | BDL | 0.000 |
| AT-21 | " | BDL | BDL | 0.000 |
| AT-22 | " | BDL | BDL | 0.000 |
| AT-24 | " | BDL | BDL | 0.000 |
| AT-25 | " | BDL | BDL | 0.000 |
| AT-28 | " | BDL | BDL | 0.000 |
| AT-29 | " | BDL | BDL | 0.000 |
| AT-33 | " | BDL | BDL | 0.000 |
| AT-34 | " | 0.313 | 0.5275 | 0.215 |
| AT-35 | " | BDL | BDL | 0.000 |
| AT-37 | " | BDL | BDL | 0.000 |
| DM-03 | " | BDL | BDL | 0.000 |
| a-DM-02 | " | BDL | BDL | 0.000 |
| a-DM-04 | " | BDL | BDL | 0.000 |
| a-DM-05 | " | BDL | BDL | 0.000 |
| a-DM-06 | " | BDL | BDL | 0.000 |
| 03C | UNIT 8 | BDL | BDL | 0.000 |
| 04CL | " | BDL | BDL | 0.000 |
| 04CU | " | BDL | BDL | 0.000 |
| 05C | " | BDL | BDL | 0.000 |
| 05CU | " | BDL | BDL | 0.000 |
| 06B-2R | " | BDL | BDL | 0.000 |
| 06CR | " | BDL | BDL | 0.000 |
| 08C | " | BDL | BDL | 0.000 |
| 09CR | " | BDL | BDL | 0.000 |
| 13C | " | BDL | BDL | 0.000 |

* - A positive value denotes an increase in concentration from 2006 annual coverage, a negative value denotes a decrease in concentration from 2006 annual average.
Not Sampled - Either well was dry or well was not sampled for volatile compounds in 2006 or 2007.
BDL - Below detection limits.

# TABLE 7
# SUMMARY OF TOTAL SVOC CONCENTRATIONS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | 2006 (ppm) | 2007 (ppm) | DIFFERENCE* (ppm) |
|---|---|---|---|---|
| 23C | UNIT 8 (cont.) | BDL | BDL | 0.000 |
| 24C | " | BDL | BDL | 0.000 |
| 24CL | " | BDL | BDL | 0.000 |
| 31C | " | BDL | BDL | 0.000 |
| 33CL | " | BDL | BDL | 0.000 |
| 33CU | " | BDL | BDL | 0.000 |
| 52C | " | BDL | BDL | 0.000 |
| 53C | " | BDL | BDL | 0.000 |
| AT-02 | " | BDL | BDL | 0.000 |
| AT-04 | " | BDL | BDL | 0.000 |
| AT-23 | " | BDL | BDL | 0.000 |
| AT-26 | " | BDL | BDL | 0.000 |
| AT-27 | " | BDL | BDL | 0.000 |
| AT-30 | " | BDL | BDL | 0.000 |
| a-LM-01 | " | BDL | BDL | 0.000 |
| a-LM-02 | " | BDL | BDL | 0.000 |

* - A positive value denotes an increase in concentration from 2006 annual coverage, a negative value denotes a decrease in concentration from 2006 annual average.
Not Sampled - Either well was dry or well was not sampled for volatile compounds in 2006 or 2007.
BDL - Below detection limits.

# TABLE 8
# SUMMARY OF TOTAL PESTICIDE/HERBICIDE CONCENTRATIONS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | 2006 (ppm) | 2007 (ppm) | DIFFERENCE* (ppm) |
|---|---|---|---|---|
| 04A | UNIT 3 | 0.064 | 0.006 | -0.058 |
| 05AR | " | Not Sampled | BDL | NA |
| 06A | " | 0.0017 | 0.0011 | -0.001 |
| 07A | " | BDL | Not Sampled | NA |
| 10A | " | 0.0004 | 0.0003 | 0.0000 |
| 11A | " | BDL | BDL | 0.000 |
| 12A | " | 0.010 | 0.020 | 0.010 |
| 13AR | " | 0.002 | 0.004 | 0.002 |
| 16A | " | BDL | BDL | 0.000 |
| 22AW | " | BDL | BDL | 0.000 |
| 23A | " | BDL | BDL | 0.000 |
| 24A | " | 0.011 | 0.001 | -0.010 |
| 25A | " | 0.101 | 0.073 | -0.028 |
| 27A | " | 0.007 | 0.013 | 0.005 |
| 28A | " | 0.008 | 0.001 | -0.008 |
| 33A | " | 0.000 | BDL | 0.000 |
| 34A | " | BDL | BDL | 0.000 |
| 35A | " | BDL | BDL | 0.000 |
| 37A | " | BDL | BDL | 0.000 |
| 39A | " | BDL | BDL | 0.000 |
| 40A | " | BDL | BDL | 0.000 |
| 42A | " | BDL | BDL | 0.000 |
| 43A | " | BDL | BDL | 0.000 |
| 48A | " | BDL | BDL | 0.000 |
| P-26 | " | 0.0001 | 0.000 | 0.000 |
| SM-02 | " | BDL | BDL | 0.000 |
| SM-03 | " | 0.0127 | 0.0121 | -0.001 |
| a-SM-01 | " | BDL | BDL | 0.000 |
| a-SM-08 | " | Not Sampled | BDL | NA |
| 04B-1 | UNIT 4 | 0.054 | 0.054 | 0.000 |
| 05B | " | 0.009 | 0.012 | 0.004 |
| 05B-1 | " | 0.060 | 0.050 | -0.010 |
| 06B | " | 0.001 | 0.001 | 0.000 |
| 07B | " | 0.007 | 0.013 | 0.006 |
| 08B | " | BDL | BDL | 0.000 |
| 08B-1 | " | 0.010 | BDL | -0.010 |
| 09A | " | 0.001 | BDL | -0.001 |
| 09AW | " | 0.007 | BDL | -0.007 |
| 10AW | " | BDL | BDL | 0.000 |
| 13B-1 | " | 0.005 | 0.022 | 0.017 |
| 15B | " | BDL | BDL | 0.000 |
| 17B-1 | " | 0.006 | 0.003 | -0.003 |
| 20A | " | 0.005 | 0.007 | 0.001 |
| 21A | " | 0.006 | 0.004 | -0.002 |

* - A positive value denotes an increase in concentration from 2006 annual average, a negative value denotes a decrease in concentration from 2006 annual average.
Not Sampled - Either well was dry or sample was not required.
NA - Not Applicable, well was not sampled for total pesticide/herbicide in 2006 or 2007.
BDL - Below Detection Limit.

# TABLE 8
# SUMMARY OF TOTAL PESTICIDE/HERBICIDE CONCENTRATIONS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | 2006 (ppm) | 2007 (ppm) | DIFFERENCE* (ppm) |
|---|---|---|---|---|
| 22A | UNIT 4 (cont.) | BDL | BDL | 0.000 |
| 22B-1 | " | BDL | BDL | 0.000 |
| 23B-1 | " | BDL | BDL | 0.000 |
| 26A | " | 0.001 | 0.000 | -0.001 |
| 31B-1L | " | BDL | BDL | 0.000 |
| 31B-1U | " | BDL | BDL | 0.000 |
| 32B-1 | " | 0.018 | 0.017 | -0.001 |
| 33B-1 | " | BDL | BDL | 0.000 |
| 34B-1 | " | BDL | BDL | 0.000 |
| 35B-1 | " | BDL | BDL | 0.000 |
| 36B-1 | " | BDL | BDL | 0.000 |
| 37B-1 | " | BDL | BDL | 0.000 |
| 38A | " | BDL | BDL | 0.000 |
| 42B-1 | " | BDL | 0.000 | 0.000 |
| 46B-1 | " | BDL | BDL | 0.000 |
| 47B-1 | " | BDL | BDL | 0.000 |
| 50B-1 | " | BDL | BDL | 0.000 |
| 51B-1 | " | BDL | BDL | 0.000 |
| 54B-1 | " | BDL | BDL | 0.000 |
| AT-18 | " | BDL | BDL | 0.000 |
| AT-19 | " | BDL | BDL | 0.000 |
| AT-20 | " | BDL | BDL | 0.000 |
| AT-31 | " | BDL | BDL | 0.000 |
| AT-32 | " | BDL | BDL | 0.000 |
| AT-36 | " | BDL | BDL | 0.000 |
| a-SM-09 | " | BDL | BDL | 0.000 |
| 04B | UNIT 6 | 0.004 | 0.003 | 0.000 |
| 04B-2 | " | BDL | BDL | 0.000 |
| 05B-2 | " | BDL | 0.002 | 0.002 |
| 06BR | " | 0.000 | 0.001 | 0.000 |
| 08B-2 | " | BDL | BDL | 0.000 |
| 09B-1 | " | BDL | BDL | 0.000 |
| 10B | " | BDL | BDL | 0.000 |
| 11B | " | BDL | BDL | 0.000 |
| 13B-2 | " | BDL | BDL | 0.0000 |
| 17B-2 | " | BDL | BDL | 0.000 |
| 21B-1 | " | 0.001 | 0.009 | 0.008 |
| 23B-2 | " | BDL | BDL | 0.000 |
| 24B-2 | " | 0.004 | 0.617 | 0.613 |
| 25B-1 | " | BDL | BDL | 0.000 |
| 28B-1 | " | BDL | BDL | 0.000 |
| 30B-1 | " | BDL | BDL | 0.000 |
| 31B-2 | " | 0.004 | 0.004 | 0.000 |
| 32B-2 | " | 0.009 | 0.002 | -0.007 |

* - A positive value denotes an increase in concentration from 2006 annual average, a negative value denotes a decrease in concentration from 2006 annual average.
Not Sampled - Either well was dry or sample was not required.
NA - Not Applicable, well was not sampled for total pesticide/herbicide in 2006 or 2007.
BDL - Below Detection Limit.

# TABLE 8
# SUMMARY OF TOTAL PESTICIDE/HERBICIDE CONCENTRATIONS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | 2006 (ppm) | 2007 (ppm) | DIFFERENCE* (ppm) |
|---|---|---|---|---|
| 33B-2 | UNIT 6 (cont.) | BDL | BDL | 0.000 |
| 37B-2 | " | BDL | BDL | 0.000 |
| 38B-1 | " | BDL | BDL | 0.000 |
| 39B-2 | " | BDL | BDL | 0.000 |
| 40B-2 | " | BDL | BDL | 0.000 |
| 49B-2 | " | BDL | BDL | 0.000 |
| AT-01 | " | BDL | BDL | 0.000 |
| AT-03 | " | BDL | BDL | 0.000 |
| AT-07 | " | BDL | BDL | 0.000 |
| AT-08 | " | BDL | BDL | 0.000 |
| AT-09 | " | Not Sampled | BDL | NA |
| AT-10 | " | BDL | BDL | 0.000 |
| AT-11 | " | BDL | BDL | 0.000 |
| AT-12R | " | BDL | BDL | 0.000 |
| AT-13 | " | BDL | BDL | 0.000 |
| AT-14 | " | BDL | BDL | 0.000 |
| AT-15 | " | BDL | BDL | 0.000 |
| AT-16 | " | BDL | BDL | 0.000 |
| AT-17 | " | BDL | BDL | 0.000 |
| AT-21 | " | BDL | BDL | 0.000 |
| AT-22 | " | BDL | BDL | 0.000 |
| AT-24 | " | BDL | BDL | 0.000 |
| AT-25 | " | BDL | BDL | 0.000 |
| AT-28 | " | BDL | BDL | 0.000 |
| AT-29 | " | BDL | BDL | 0.000 |
| AT-33 | " | BDL | BDL | 0.000 |
| AT-34 | " | 0.002 | 0.003 | 0.001 |
| AT-35 | " | BDL | BDL | 0.000 |
| AT-37 | " | BDL | BDL | 0.000 |
| DM-03 | " | BDL | 0.000 | 0.000 |
| a-DM-02 | " | BDL | BDL | 0.000 |
| a-DM-04 | " | BDL | BDL | 0.000 |
| a-DM-05 | " | BDL | BDL | 0.000 |
| a-DM-06 | " | BDL | BDL | 0.000 |
| 03C | UNIT 8 | BDL | BDL | 0.000 |
| 04CL | " | BDL | BDL | 0.000 |
| 04CU | " | BDL | BDL | 0.000 |
| 05C | " | BDL | BDL | 0.000 |
| 05CU | " | BDL | BDL | 0.000 |
| 06B-2R | " | BDL | BDL | 0.000 |
| 06CR | " | BDL | BDL | 0.000 |
| 08C | " | BDL | BDL | 0.000 |
| 09CR | " | BDL | BDL | 0.000 |
| 13C | " | BDL | BDL | 0.000 |

* - A positive value denotes an increase in concentration from 2006 annual average, a negative value denotes a decrease in concentration from 2006 annual average.
Not Sampled - Either well was dry or sample was not required.
NA - Not Applicable, well was not sampled for total pesticide/herbicide in 2006 or 2007.
BDL - Below Detection Limit.

# TABLE 8
# SUMMARY OF TOTAL PESTICIDE/HERBICIDE CONCENTRATIONS
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD 010395127-P
# CAMERON-COLE, LLC

| WELL | UNIT | 2006 (ppm) | 2007 (ppm) | DIFFERENCE* (ppm) |
|---|---|---|---|---|
| 23C | UNIT 8 (cont.) | BDL | BDL | 0.000 |
| 24C | " | BDL | BDL | 0.000 |
| 24CL | " | BDL | BDL | 0.000 |
| 31C | " | BDL | BDL | 0.000 |
| 33CL | " | BDL | BDL | 0.000 |
| 33CU | " | BDL | BDL | 0.000 |
| 52C | " | BDL | BDL | 0.000 |
| 53C | " | BDL | BDL | 0.000 |
| AT-02 | " | BDL | BDL | 0.000 |
| AT-04 | " | BDL | BDL | 0.000 |
| AT-23 | " | BDL | BDL | 0.000 |
| AT-26 | " | BDL | BDL | 0.000 |
| AT-27 | " | BDL | BDL | 0.000 |
| AT-30 | " | BDL | BDL | 0.000 |
| a-LM-01 | " | BDL | BDL | 0.000 |
| a-LM-02 | " | BDL | BDL | 0.000 |

* - A positive value denotes an increase in concentration from 2006 annual average, a negative value denotes a decrease in concentration from 2006 annual average.
Not Sampled - Either well was dry or sample was not required.
NA - Not Applicable, well was not sampled for total pesticide/herbicide in 2006 or 2007.
BDL - Below Detection Limit.

# TABLE 9
# SUMMARY OF GROUNDWATER RECOVERY
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P
# CAMERON-COLE, LLC

| Well No. | Hydrologic Unit | Gallons Removed (approximate) | | | Avg. TVOC (2007) mg/L | Pounds of VOCs Removed (2007)[4] |
|---|---|---|---|---|---|---|
| | | 2006 | 2007 | Cumulative Total[1] | | |
| I-1[2] | Unit 6 | 30,549 | 33,796 | 2,770,727 | 1.5 | 0.42 |
| I-1R[2] | Unit 6 | 398,353 | 400,914 | 5,320,890 | 1.0325 | 3.46 |
| I-2[2] | Unit 3 | 5,981 | 6,827 | 536,688 | 230 | 13.11 |
| I-2R[2] | Unit 3 | 7,211 | 30,297 | 278,957 | 26.5 | 6.70 |
| I-3 | Unit 4 | 26,645 | 12,583 | 352,859 | 0.48 | 0.05 |
| I-4 | Unit 6 | 39,540 | 55,239 | 1,696,883 | 1.01 | 0.47 |
| I-5 | Unit 3/4 | 56,346 | 63,065 | 9,105,230 | 3.255 | 1.71 |
| I-6 | Unit 6 | 1,469,400 | 1,443,846 | 40,341,572 | 0.98 | 11.81 |
| I-7 | Unit 4 | 14,467 | 17,688 | 219,707 | 8 | 1.18 |
| I-8 | Unit 4 | 237,670 | 274,905 | 3,504,020 | 2.53 | 5.81 |
| I-9 | Unit 4 | 455,188 | 401,534 | 8,322,276 | 0.0055 | 0.02 |
| I-10 | Unit 3/4 | 52,215 | 60,544 | 396,764 | 1.555 | 0.79 |
| R-1 | Unit 6 | 1,653,861 | 1,684,490 | 43,376,803 | 0.1595 | 2.24 |
| R-2[3] | Unit 6 | 815 | 497 | 20,206,298 | 0 | 0.00 |
| R-3[3] | Unit 6 | 336 | 473 | 24,187,010 | 0 | 0.00 |
| R-4[3] | Unit 6 | 371 | 317 | 6,315,993 | 0 | 0.00 |
| R-5 | Unit 4 | 1,973,093 | 2,355,994 | 32,847,838 | 0.655 | 12.88 |
| 29A | Unit 4 | 154,242 | 216,766 | 17,105,409 | 1.58 | 2.86 |
| 30A | Unit 4 | 207,237 | 240,568 | 3,907,912 | 4.795 | 9.63 |
| | | | | | | |
| | | | | | | |
| **TOTAL** | | **6,783,518** | **7,300,344** | **220,793,835** | **- - -** | **73.13** |

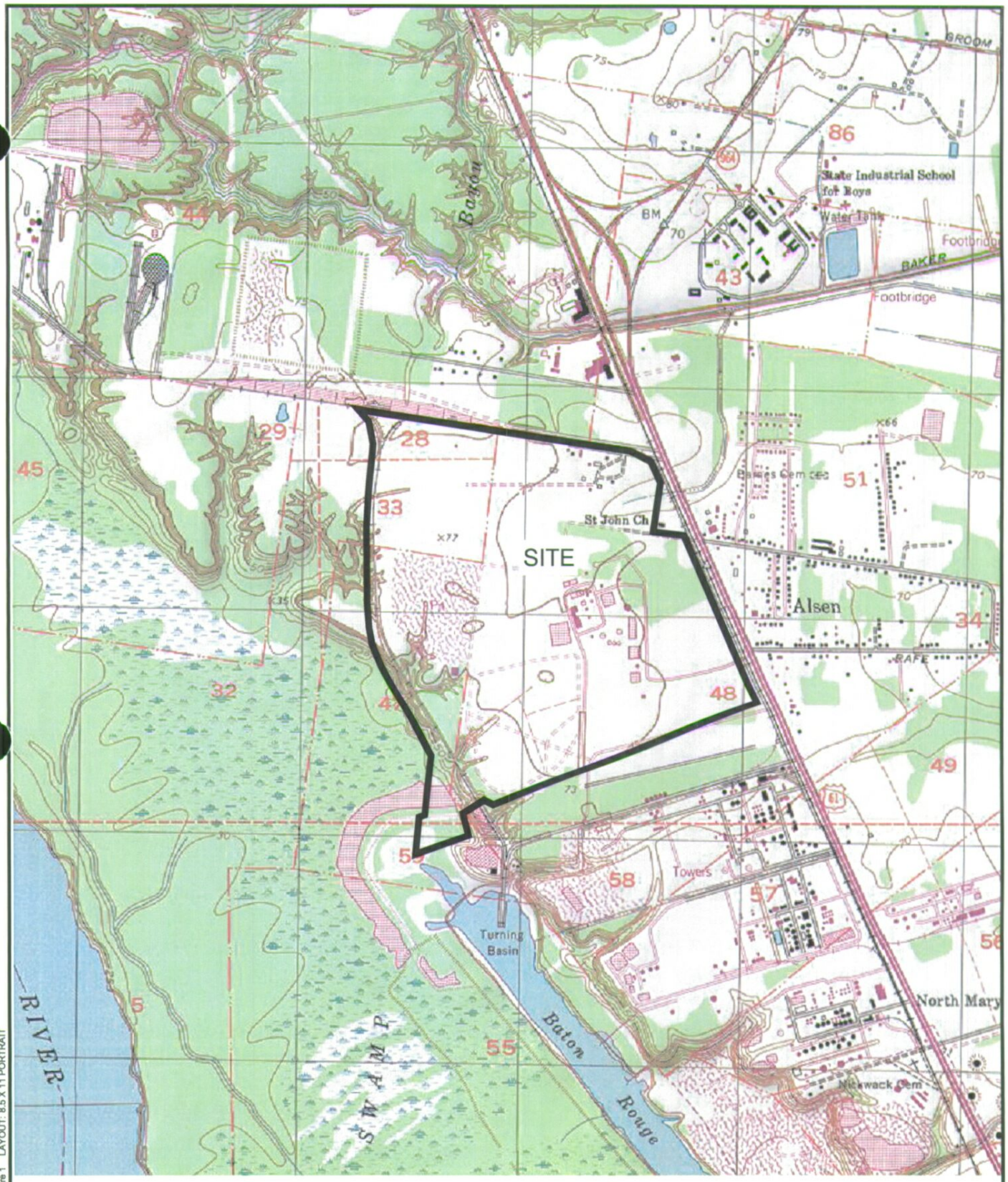
(1) Represents approximate cumulative total as of December 31, 2007.
(2) Interceptor Wells I-1 and I-2 were replaced with Wells I-1R and I-2R in February 1991. Wells I-1 and I-2 were later reactivated in October 1992.
(3) Pumping was ceased from Wells R-2 and R-4 on November 18, 1992. Pumping from R-3 was ceased on February 16, 2001.
(4) VOCs removed (lbs) = (gallons removed)x(avg. TVOC[mg/L])x($8.35 \times 10^{-6}$)
mg/L - Milligrams per liter

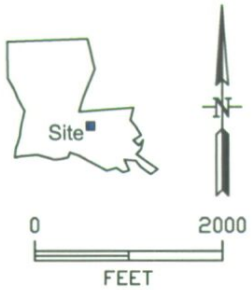
# FIGURES

## 2007 ANNUAL GROUNDWATER REPORT

## CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P

## CAMERON-COLE, LLC




Source: USGS 7.5 Series Quadangles
TOPO! Software 2004

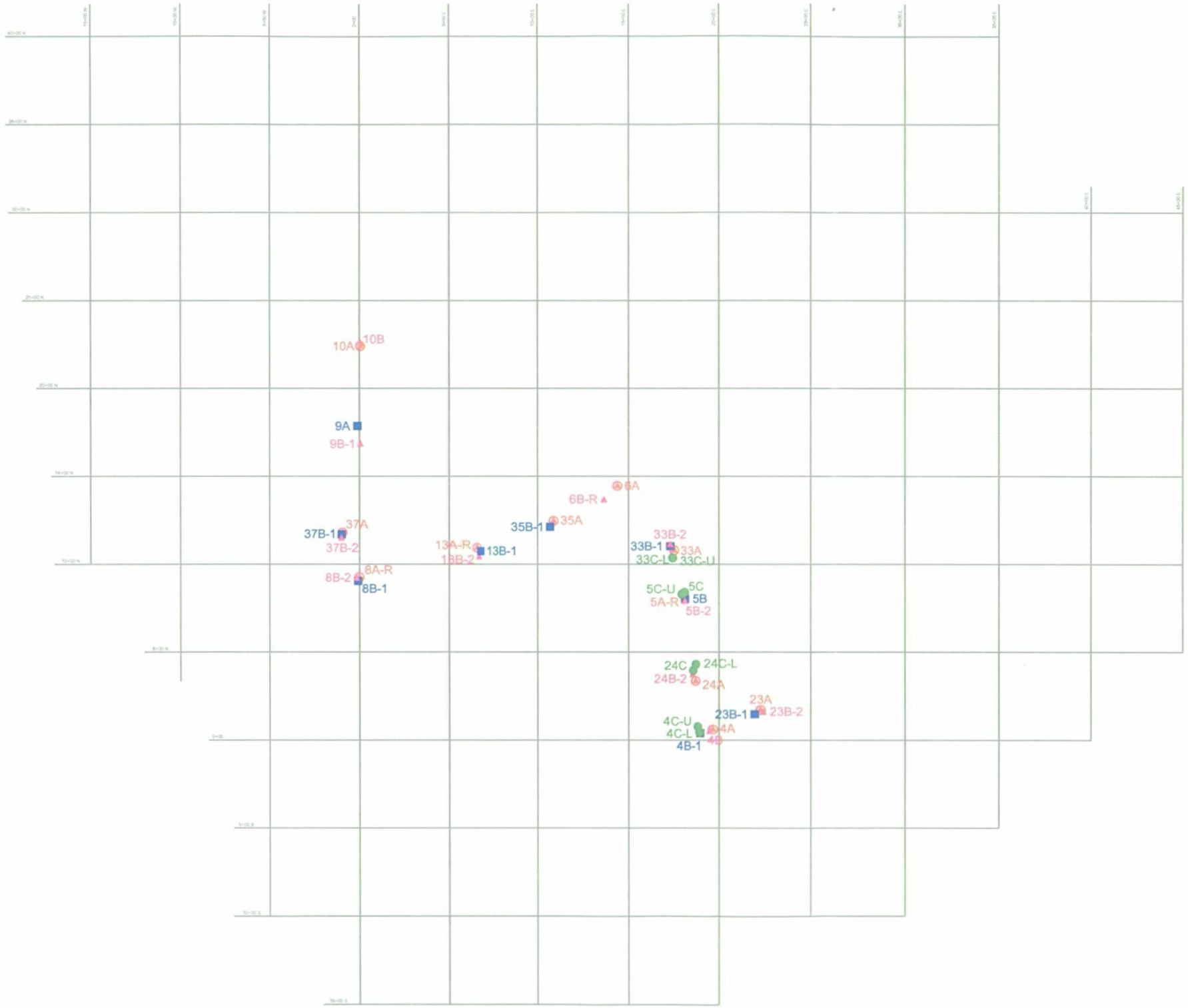
CAMERON-COLE
6120 W. BY NORTHWEST BLVD.
SUITE 110
HOUSTON, TEXAS 77040
713-744-5100 fax: 713-744-5110
http://www.cameron-cole.com

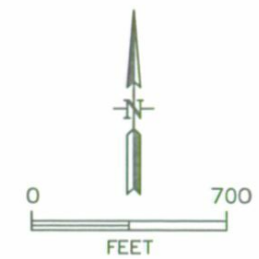
FIGURE 1

VICINITY MAP
CLEAN HARBORS
BATON ROUGE, LLC

| SCALE: | DATE: | PROJECT NO. |
|---|---|---|
| 1" = 2000' | 12/04/07 | 1814 |

G:\Drafting\1814-Baton 2007 ANNUAL REPORT\Figure 1 LAYOUT: 8.5 X 11 PORTRAIT




## LEGEND

| | |
|---|---|
| 10A | UNIT 3 (A-ZONE) COMPLIANCE POINT WELL |
| 9A | UNIT 4 (B1-ZONE) COMPLIANCE POINT WELL |
| 10B | UNIT 6 (B2-ZONE) COMPLIANCE POINT WELL |
| 5C | UNIT 8 (C-ZONE) COMPLIANCE POINT WELL |

FIGURE REFERENCE:
FIGURE VI-2 OF FINAL MODIFIED PERMIT
LAD010395127-P AS UPDATED IN EACH
SEMI-ANNUAL AND ANNUAL GROUND WATER REPORT.

| | BY | DATE |
|---|---|---|
| DRAWN | PO | 1/08/07 |
| CHECKED | | |
| REVISED | JRB | 8/14/07 |
| APPROVED | | |
| APPROVED | | |
| APPROVED | | |

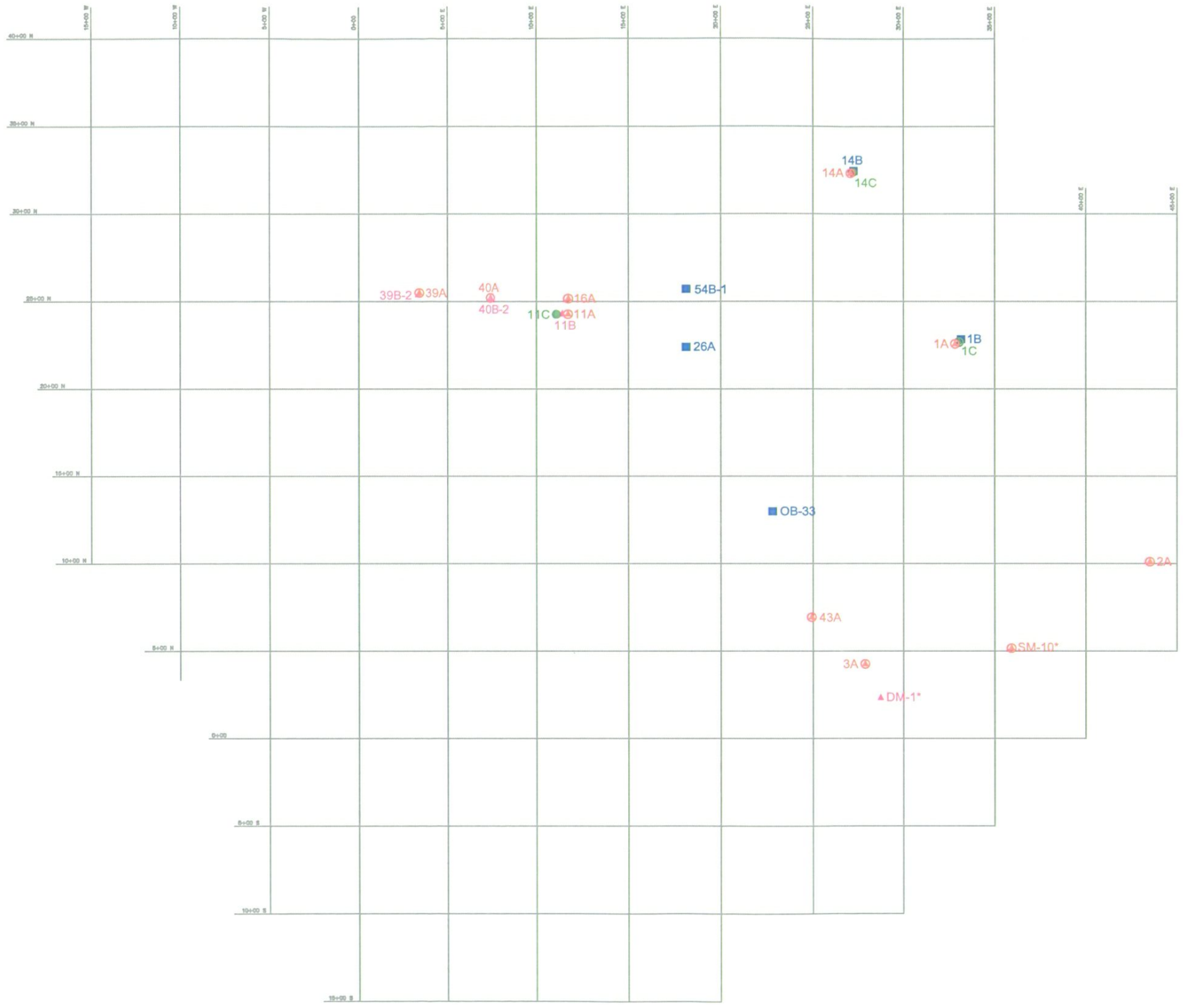
CAMERON-COLE
6120 WEST BY NORTHWEST BLVD.
SUITE 110
HOUSTON, TEXAS 77040
713-744-5100 fax: 713-744-5110
http://www.cameron-cole.com

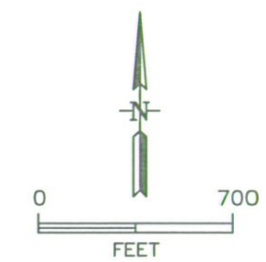
FIGURE 2

COMPLIANCE POINT WELLS
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'
PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 2.dwg




## LEGEND

| | |
|---|---|
| 39A | UNIT 3 (A-ZONE) MONITOR WELL |
| 26A | UNIT 4 (B1-ZONE) MONITOR WELL |
| 11B | UNIT 6 (B2-ZONE) MONITOR WELL |
| 11C | UNIT 8 (C-ZONE) MONITOR WELL |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |

FIGURE REFERENCE:
FIGURE VI-2 OF FINAL MODIFIED PERMIT
LAD010395127-P AS UPDATED IN EACH
SEMI-ANNUAL AND ANNUAL GROUND WATER REPORT.

| | BY | DATE |
|---|---|---|
| DRAWN | ELH | 8/09/02 |
| CHECKED | | |
| REVISED | JRB | 8/14/07 |
| APPROVED | | |
| APPROVED | | |
| APPROVED | | |

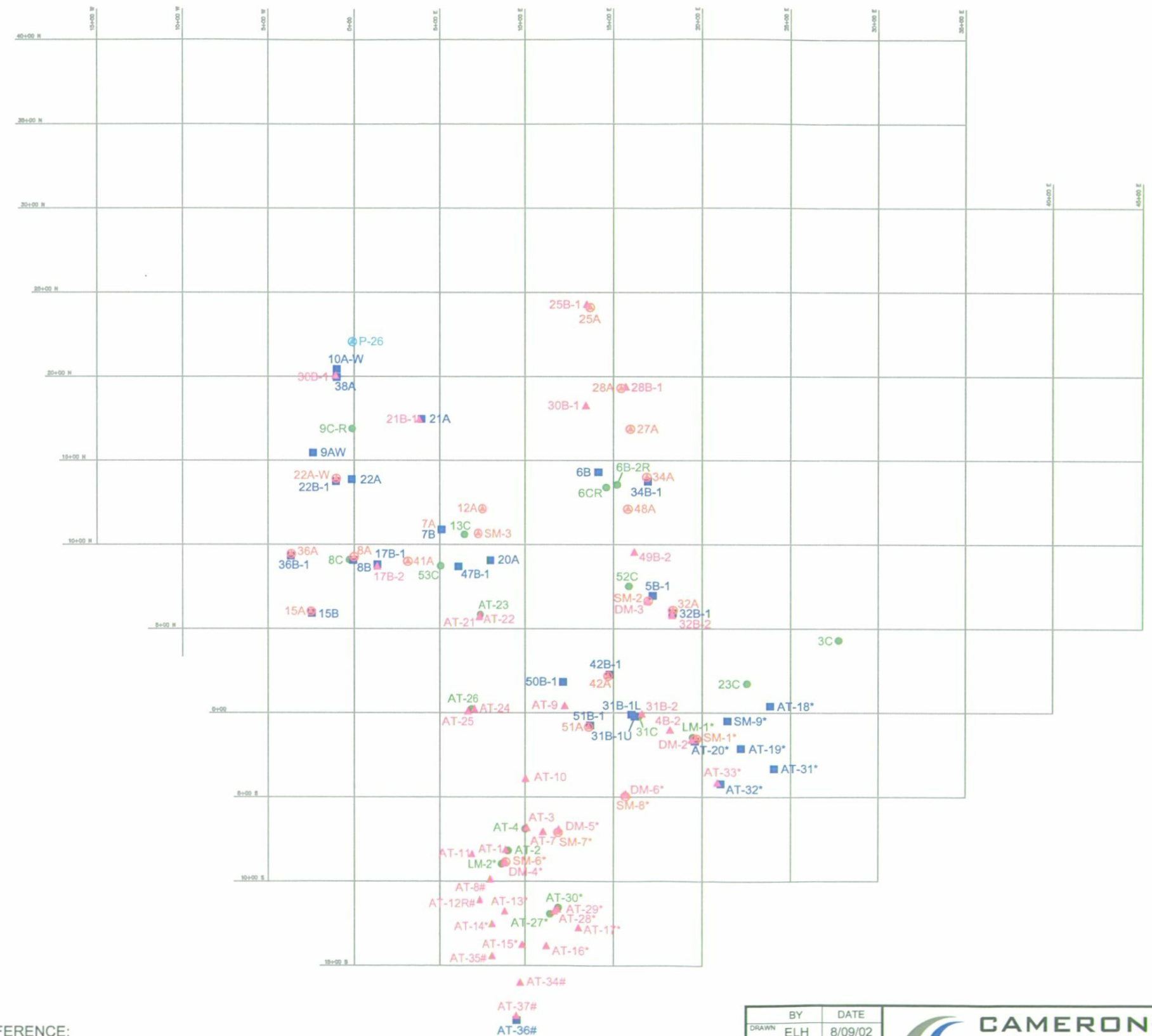
CAMERON-COLE
6120 WEST BY NORTHWEST BLVD.
SUITE 110
HOUSTON, TEXAS 77040
713-744-5100 fax: 713-744-5110
http://www.cameron-cole.com

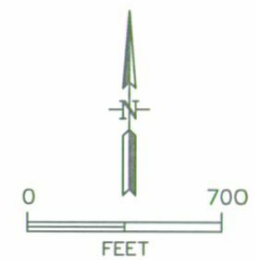
FIGURE 3

COMPLIANCE WELLS UPGRADIENT
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'
PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 3.dwg




## LEGEND

- 12A — UNIT 3 (A-ZONE) MONITOR WELL
- 22A — UNIT 4 (B1-ZONE) MONITOR WELL
- 4B-2 — UNIT 6 (B2-ZONE) MONITOR WELL
- 3C — UNIT 8 (C-ZONE) MONITOR WELL
- P-26 — NO PERMEABLE UNIT INDICATED IN SOIL BORING LOCATION
- * — INDICATES WELL ON EXXON/MOBIL PROPERTY
- # — INDICATES WELL ON GBPRC PROPERTY

FIGURE REFERENCE:
FIGURE VI-2 OF FINAL MODIFIED PERMIT
LAD010395127-P AS UPDATED IN EACH
SEMI-ANNUAL AND ANNUAL GROUND WATER REPORT.

| | BY | DATE |
|---|---|---|
| DRAWN | ELH | 8/09/02 |
| CHECKED | | |
| REVISED | JRB | 8/14/07 |
| APPROVED | | |
| APPROVED | | |
| APPROVED | | |

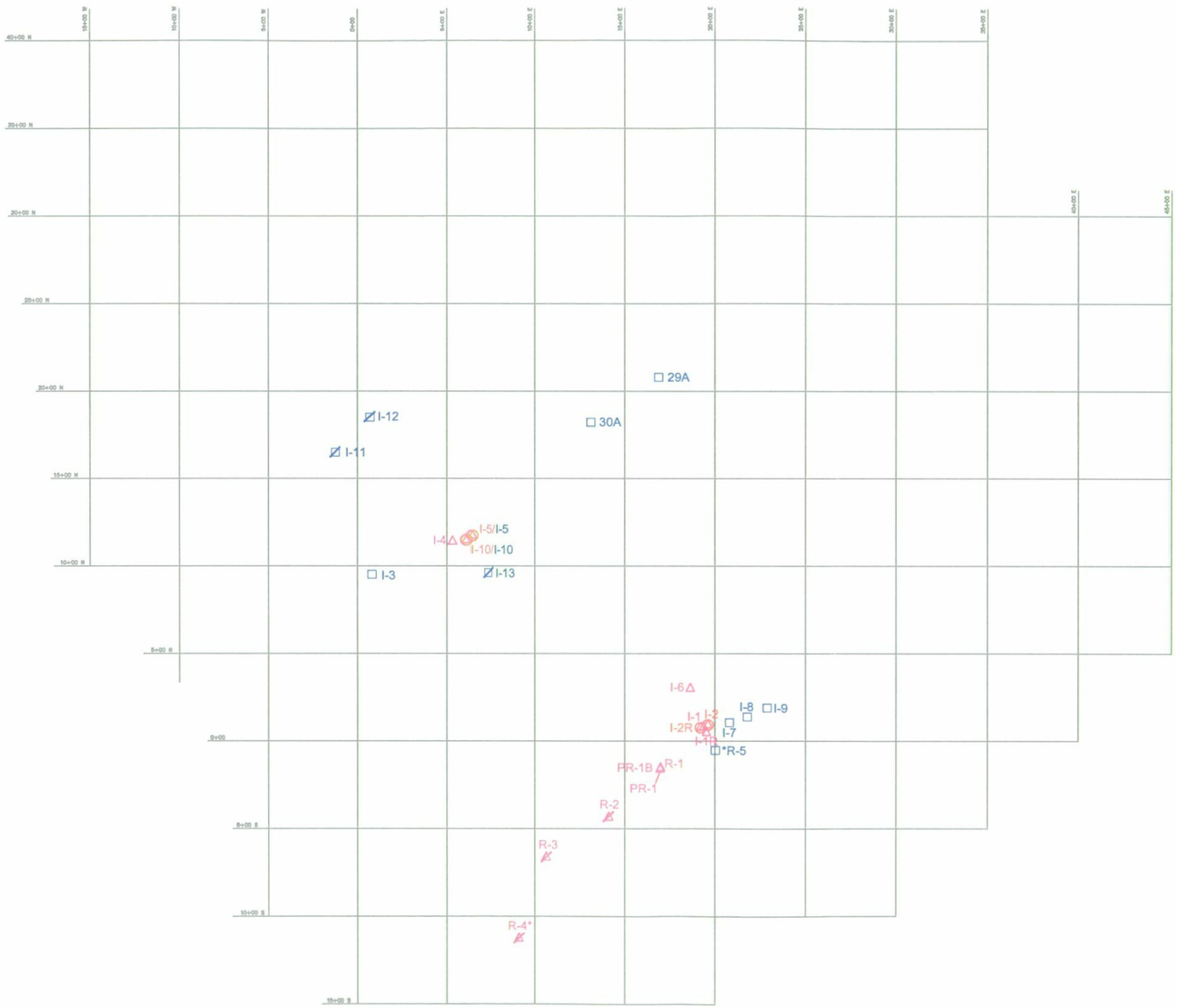
CAMERON-COLE
6120 WEST BY NORTHWEST BLVD.
SUITE 110
HOUSTON, TEXAS 77040
713-744-5100 fax: 713-744-5110
http://www.cameron-cole.com

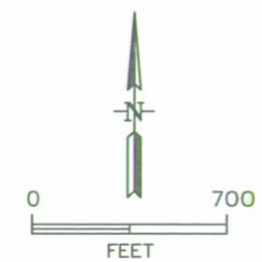
FIGURE 4

COMPLIANCE WELLS DOWNGRADIENT
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'
PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 4.dwg




## LEGEND

| | |
|---|---|
| I-2 | UNIT 3 (A-ZONE) CORRECTIVE ACTION WELL |
| 30A | UNIT 4 (B1-ZONE) CORRECTIVE ACTION WELL |
| I-11 | UNIT 4 (B1-ZONE) CORRECTIVE ACTION WELL (INACTIVE) |
| I-4 | UNIT 6 (B2-ZONE) CORRECTIVE ACTION WELL |
| R-3 | UNIT 6 (B2-ZONE) CORRECTIVE ACTION WELL (INACTIVE) |
| * | INDICATES WELL ON EXXON/MOBIL PROPERTY |

FIGURE REFERENCE:
FIGURE VI-2 OF FINAL MODIFIED PERMIT
LAD010395127-P AS UPDATED IN EACH
SEMI-ANNUAL AND ANNUAL GROUND WATER REPORT.

| | BY | DATE |
|---|---|---|
| DRAWN | ELH | 8/09/02 |
| CHECKED | | |
| REVISED | MWS | 02/12/08 |
| APPROVED | | |
| APPROVED | | |
| APPROVED | | |

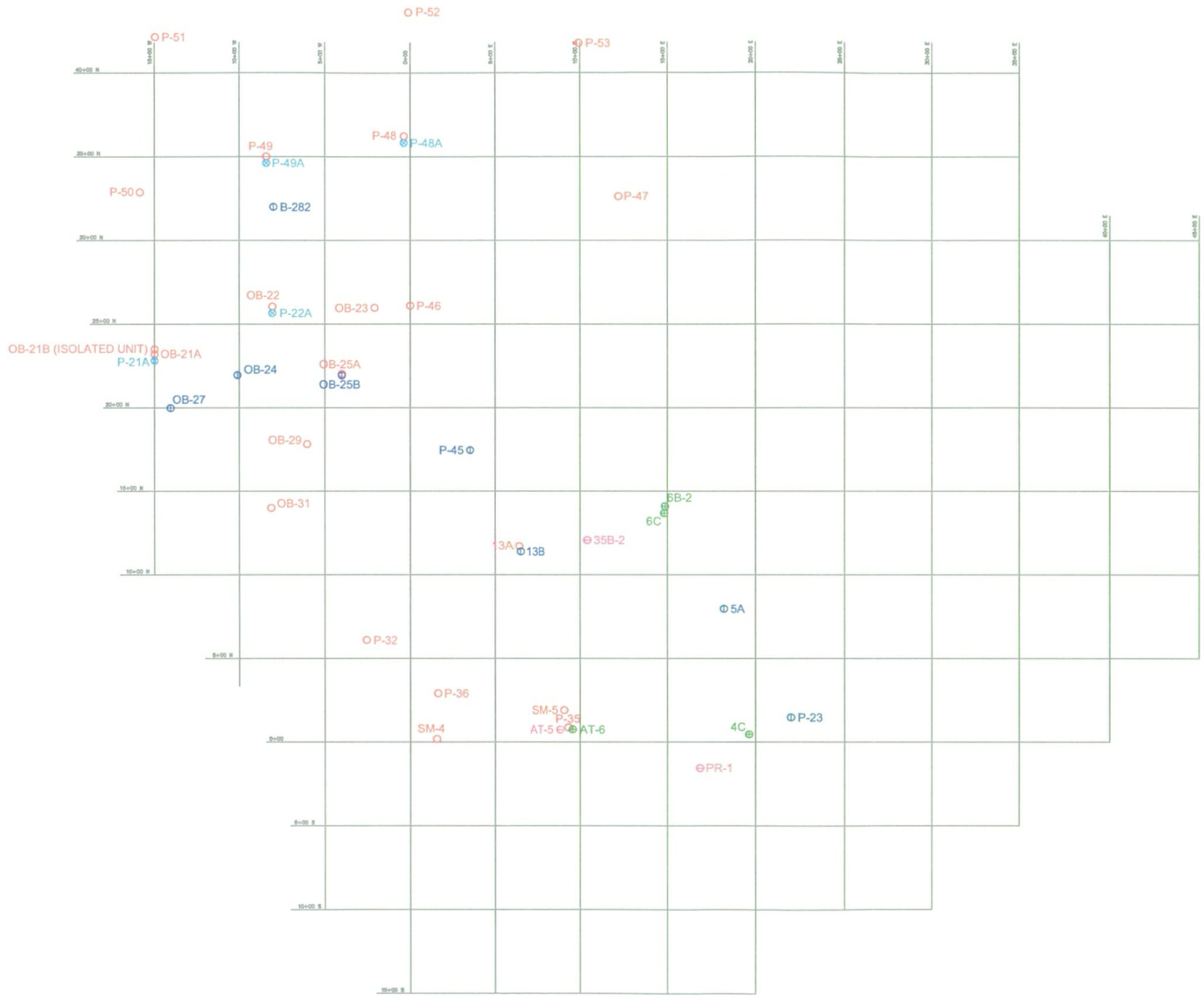
CAMERON-COLE
6120 WEST BY NORTHWEST BLVD.
SUITE 110
HOUSTON, TEXAS 77040
713-744-5100 fax: 713-744-5110
http://www.cameron-cole.com

FIGURE 5

CORRECTIVE ACTION WELLS
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'
PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 5.dwg




N

0 700

FEET

## LEGEND

| | |
|---|---|
| P-50 | UNIT 3 (A-ZONE) PIEZOMETER |
| P-45 | UNIT 4 (B1-ZONE) PIEZOMETER |
| 35B-2 | UNIT 6 (B2-ZONE) PIEZOMETER |
| 4C | UNIT 8 (C-ZONE) PIEZOMETER |
| P-21A | NO PERMEABLE UNIT INDICATED IN SOIL BORINGS |

FIGURE REFERENCE:
FIGURE VI-2 OF FINAL MODIFIED PERMIT
LAD010395127-P AS UPDATED IN EACH
SEMI-ANNUAL AND ANNUAL GROUND WATER REPORT.

| | BY | DATE |
|---|---|---|
| DRAWN | ELH | 8/09/02 |
| CHECKED | | |
| REVISED | JRB | 8/14/07 |
| APPROVED | | |
| APPROVED | | |
| APPROVED | | |

CAMERON-COLE
6120 WEST BY NORTHWEST BLVD.
SUITE 110
HOUSTON, TEXAS 77040
713-744-5100 fax: 713-744-5110
http://www.cameron-cole.com

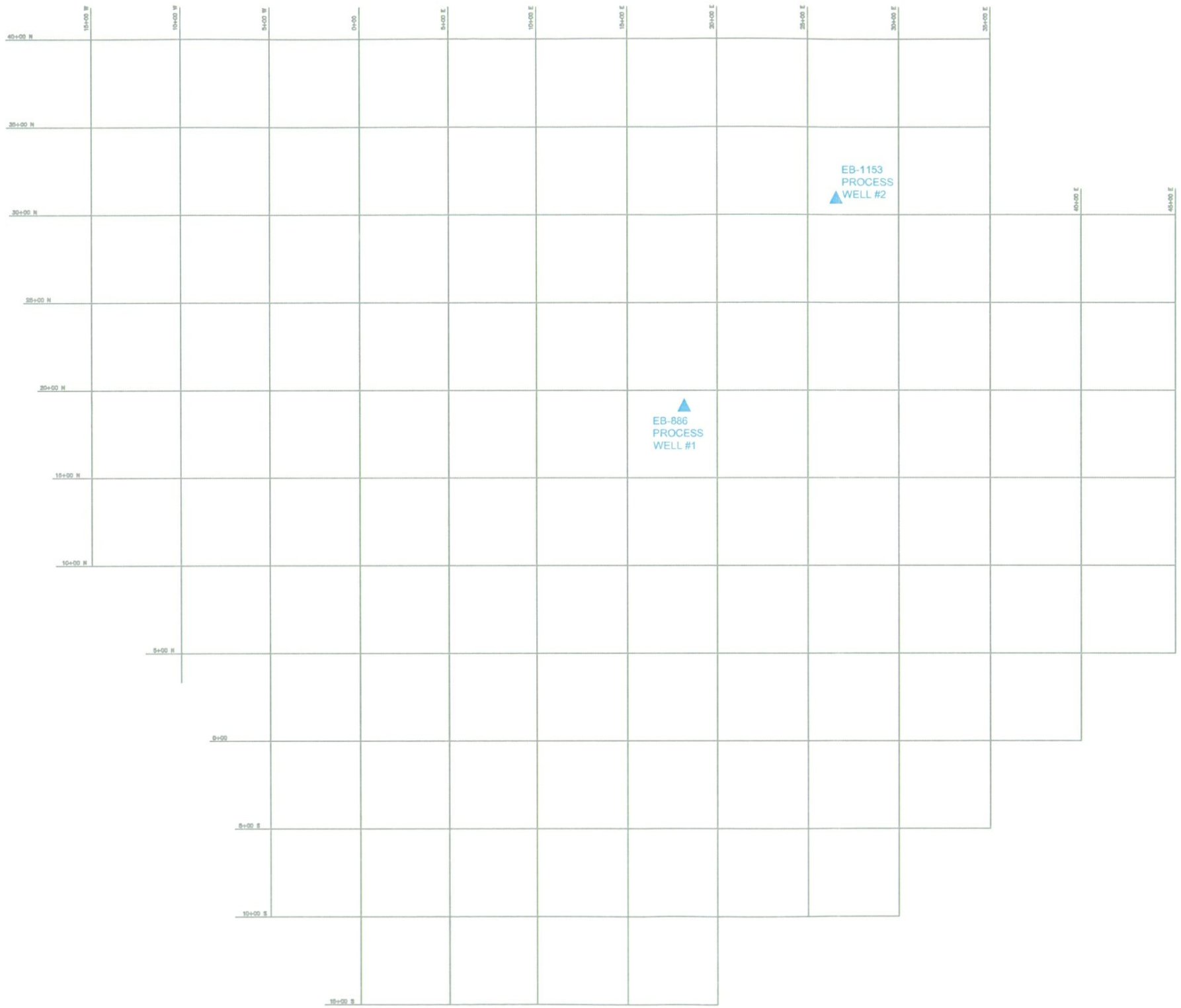
FIGURE 6

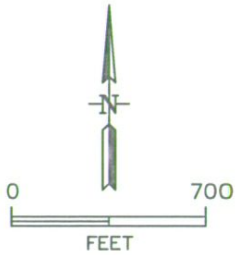
PIEZOMETERS
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'

PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 6.dwg




**LEGEND**

EB-886 ▲ PROCESS WELL

FIGURE REFERENCE:
FIGURE VI-2 OF FINAL MODIFIED PERMIT
LAD010395127-P AS UPDATED IN EACH
SEMI-ANNUAL AND ANNUAL GROUND WATER REPORT.

| | BY | DATE |
|---|---|---|
| DRAWN | ELH | 8/09/02 |
| CHECKED | | |
| REVISED | JRB | 8/14/07 |
| APPROVED | | |
| APPROVED | | |
| APPROVED | | |

CAMERON-COLE
6120 WEST BY NORTHWEST BLVD.
SUITE 110
HOUSTON, TEXAS 77040
713-744-5100 fax: 713-744-5110
http://www.cameron-cole.com

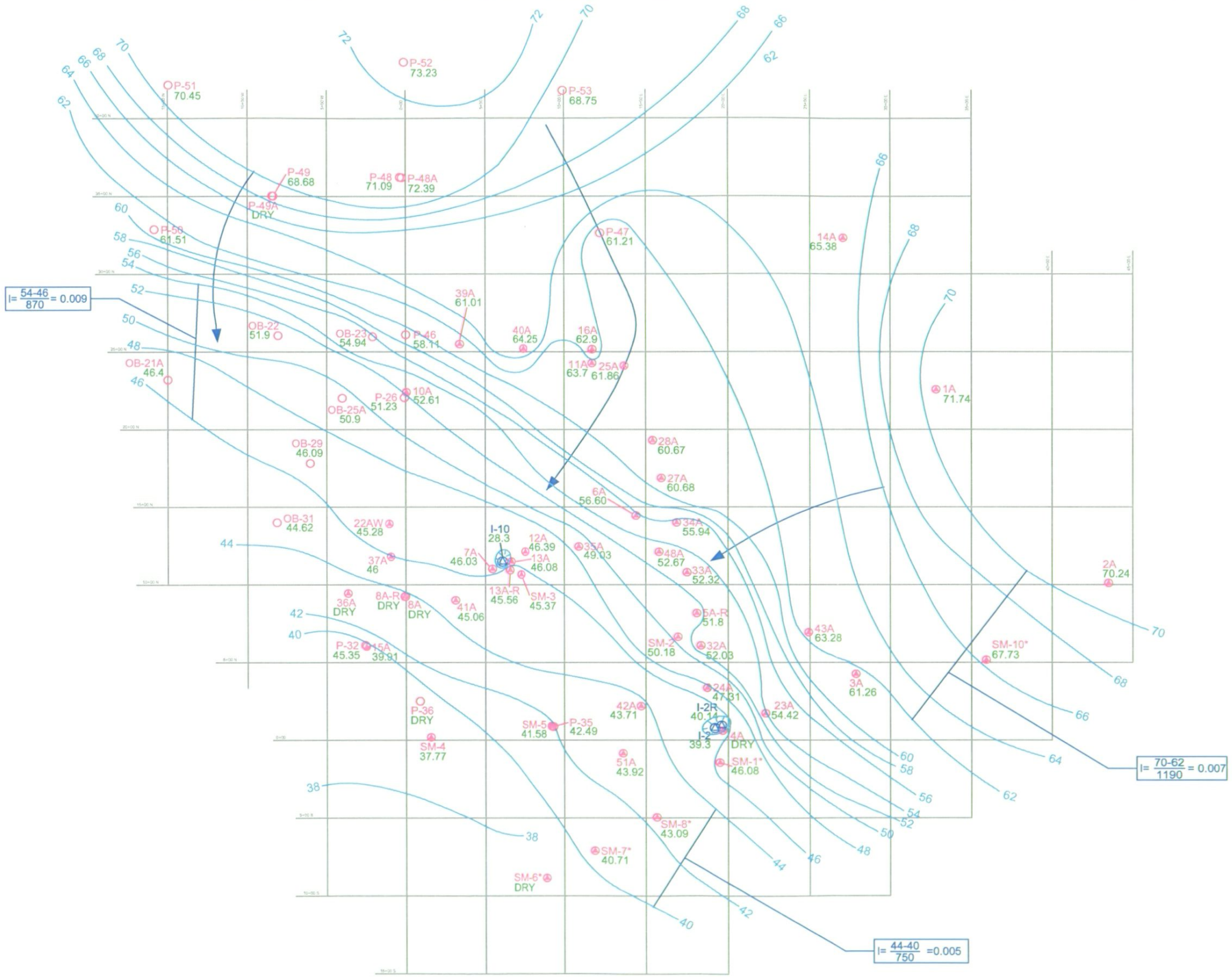
FIGURE 7

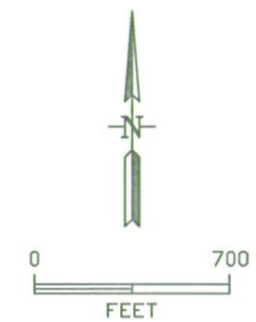
PROCESS WELLS
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'

PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 7.dwg




## LEGEND

| | |
|---|---|
| 10A | UNIT 3 (A-ZONE) MONITORING WELL |
| P-48 | UNIT 3 (A-ZONE) PIEZOMETER OR OBSERVATION WELL |
| I-2 | UNIT 3 (A-ZONE) CORRECTIVE ACTION WELL |
| 64.75 | GROUNDWATER ELEVATION, FEET |
| 60 | POTENTIOMETRIC SURFACE CONTOUR |
| → | GROUNDWATER FLOW DIRECTION |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |

$$I_{avg} = \frac{0.007+0.005+0.009}{3} = 0.007 \text{ ft/ft}$$

NOTE: GROUNDWATER ELEVATIONS FROM TABLE 2

| | BY | DATE |
|---|---|---|
| DRAWN | ELH | 8/09/02 |
| CHECKED | | |
| REVISED | JRB | 08/09/07 |
| APPROVED | | |
| APPROVED | | |
| APPROVED | | |

CAMERON-COLE
6120 WEST BY NORTHWEST BLVD.
SUITE 110
HOUSTON, TEXAS 77040
713-744-5100 fax: 713-744-5110
http://www.cameron-cole.com

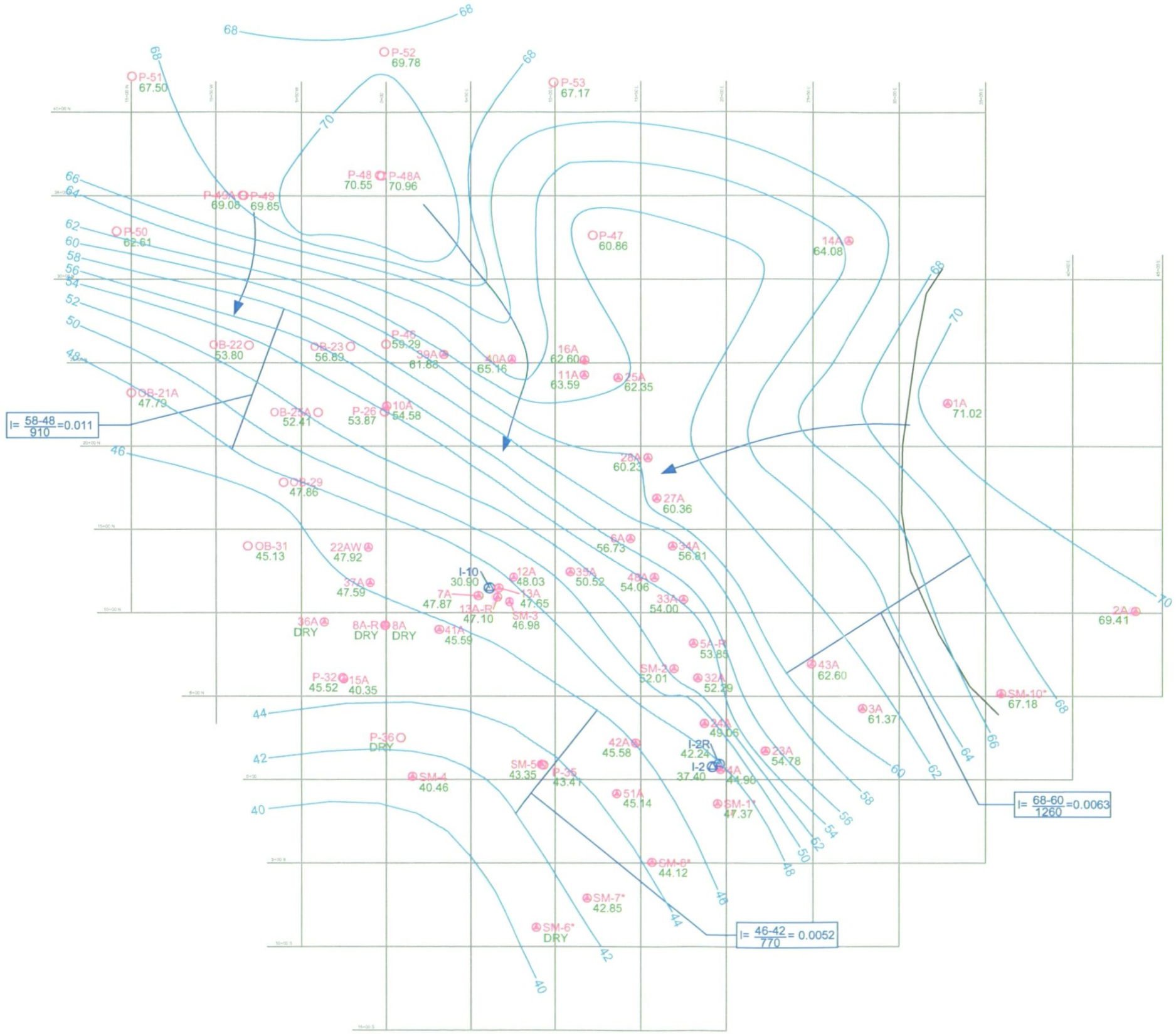
FIGURE 8

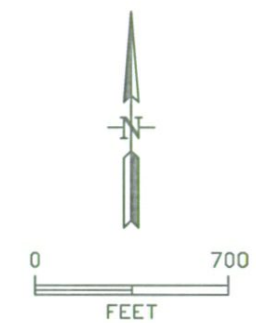
1Q 2007 POTENTIOMETRIC MAP
UNIT 3 (A-ZONE)
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'

PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 8.dwg




## LEGEND

| | |
|---|---|
| 10A | UNIT 6 (B2-ZONE) MONITORING WELL |
| P-48 | UNIT 3 (A-ZONE) PIEZOMETER OR OBSERVATION WELL |
| I-2 | UNIT 3 (A-ZONE) CORRECTIVE ACTION WELL |
| 53.11 | GROUNDWATER ELEVATION, FEET |
| | POTENTIOMETRIC SURFACE CONTOUR |
| | GROUNDWATER FLOW DIRECTION |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |
| # | INDICATES WELL ON GBRPC PROPERTY |

$$I_{avg} = \frac{0.011+0.006+0.005}{3} = 0.0073 \text{ ft/ft}$$

NOTE: GROUNDWATER ELEVATIONS FROM TABLE 2
JULY 2007 MEASUREMENTS.

| | BY | DATE |
|---|---|---|
| DRAWN | ELH | 8/09/02 |
| CHECKED | | |
| REVISED | MWS | 01/31/08 |
| REVISED | | |
| APPROVED | | |
| APPROVED | | |

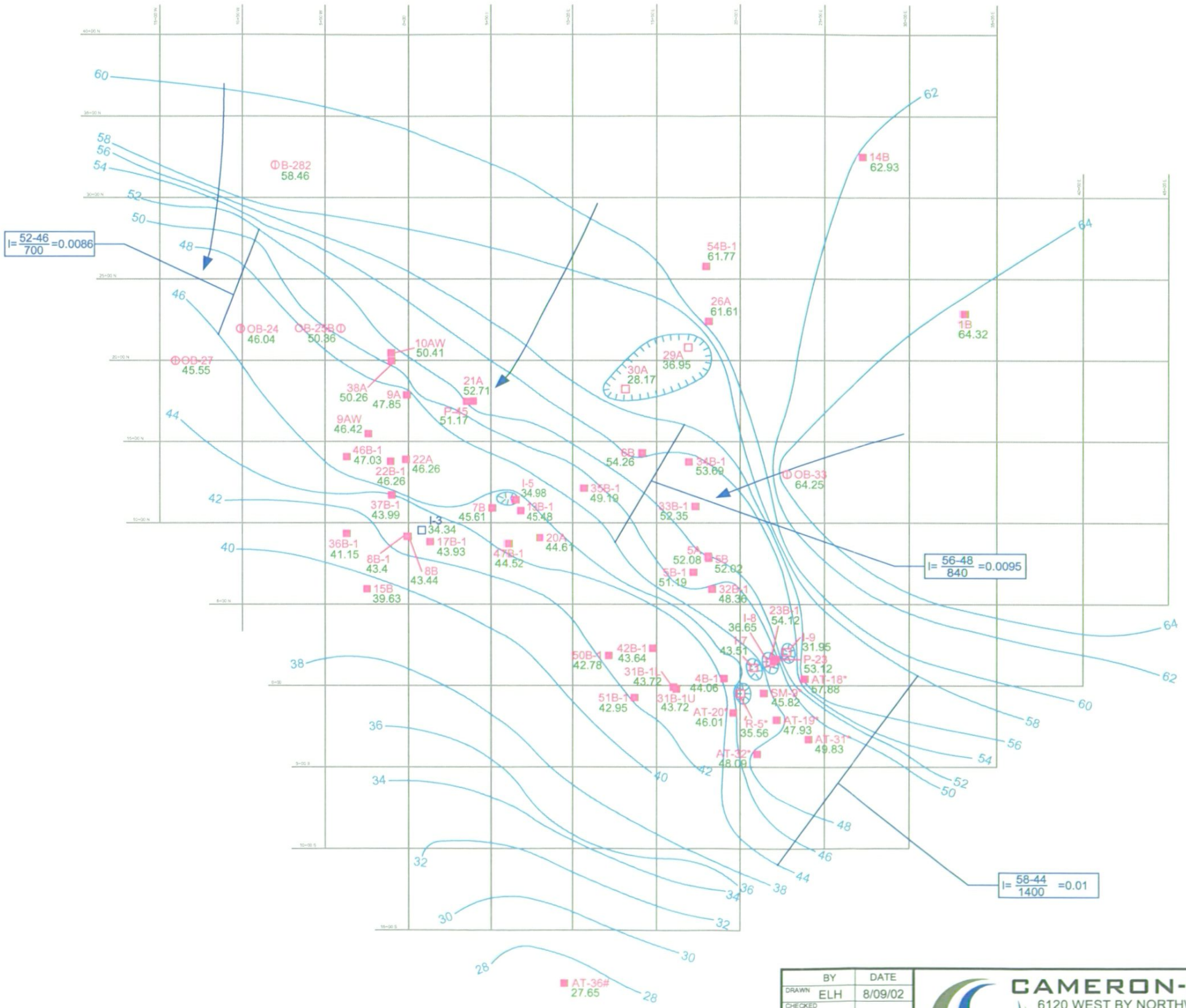
CAMERON-COLE
515 NORTH SAM HOUSTON
PARKWAY EAST - SUITE 110
HOUSTON, TEXAS 77060
281-820-7600 281-820-7618 fax
http://www.cameron-cole.com

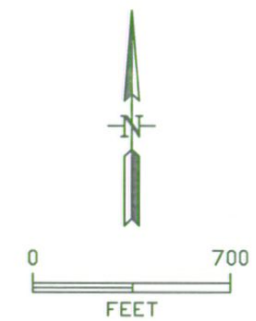
FIGURE 9

3Q 2007 POTENTIOMETRIC MAP
UNIT 3 (A-ZONE)
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'
PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 9.dwg




## LEGEND

| | |
|---|---|
| 14B ■ | UNIT 4 (B1-ZONE) MONITORING WELL |
| B-282 Φ | UNIT 4 (B1-ZONE) PIEZOMETER OR OBSERVATION WELL |
| R-5 □ | UNIT 4 (B1-ZONE) CORRECTIVE ACTION WELL |
| I-10 ⊗ | UNIT 4 (B1-ZONE) CORRECTIVE ACTION WELL |
| 53.11 | GROUNDWATER ELEVATION, FEET |
| 60 ——— | POTENTIOMETRIC SURFACE CONTOUR |
| → | GROUNDWATER FLOW DIRECTION |
| * | INDICATES WELL ON EXXON/MOBIL PROPERTY |
| # | INDICATES WELL ON GBPRC PROPERTY |

$$I_{avg} = \frac{0.0086+0.0095+0.01}{3} = 0.009 \text{ ft/ft}$$

NOTE: GROUNDWATER ELEVATIONS FROM TABLE 2
JANUARY 2007 MEASUREMENTS.

| | BY | DATE |
|---|---|---|
| DRAWN | ELH | 8/09/02 |
| CHECKED | | |
| REVISED | JRB | 08/09/07 |
| REVISED | MWS | 01/25/08 |
| APPROVED | | |
| APPROVED | | |

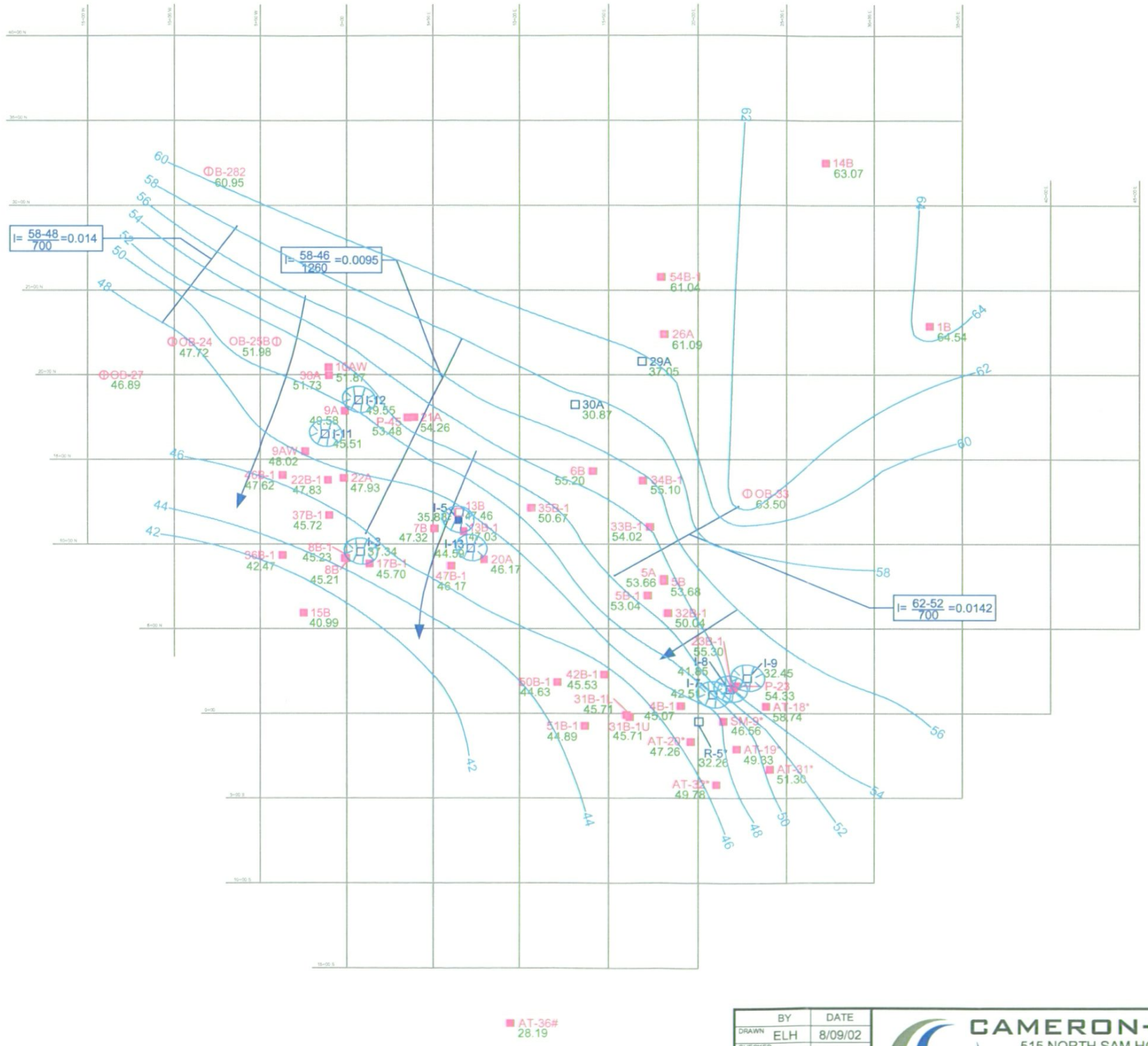

CAMERON-COLE
6120 WEST BY NORTHWEST BLVD.
SUITE 110
HOUSTON, TEXAS 77040
713-744-5100 fax: 713-744-5110
http://www.cameron-cole.com


FIGURE 10

1Q 2007 POTENTIOMETRIC MAP
UNIT 4 (B1-ZONE)
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'
PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 10.dwg




## LEGEND

| | |
|---|---|
| 10B ■ | UNIT 4 (B1-ZONE) MONITORING WELL |
| OB-27 ⦶ | UNIT 4 (B1-ZONE) PIEZOMETER OR OBSERVATION WELL |
| R-4 □ | UNIT 4 (B1-ZONE) CORRECTIVE ACTION WELL |
| I-13 ⧄ | UNIT 4 (B1-ZONE) CORRECTIVE ACTION WELL (INACTIVE) |
| 53.11 | GROUNDWATER ELEVATION, FEET |
| ——— | POTENTIOMETRIC SURFACE CONTOUR |
| → | GROUNDWATER FLOW DIRECTION |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |
| # | INDICATES WELL ON GBRPC PROPERTY |

$$I_{avg} = \frac{0.014+0.0095+0.0142}{3} = 0.0126 \text{ ft/ft}$$

NOTE: GROUNDWATER ELEVATIONS FROM TABLE 2 JULY 2007 MEASUREMENTS.

| | BY | DATE |
|---|---|---|
| DRAWN | ELH | 8/09/02 |
| CHECKED | | |
| REVISED | MWS | 01/31/08 |
| REVISED | | |
| APPROVED | | |
| APPROVED | | |

CAMERON-COLE
515 NORTH SAM HOUSTON
PARKWAY EAST - SUITE 110
HOUSTON, TEXAS 77060
281-820-7600 281-820-7618 fax
http://www.cameron-cole.com

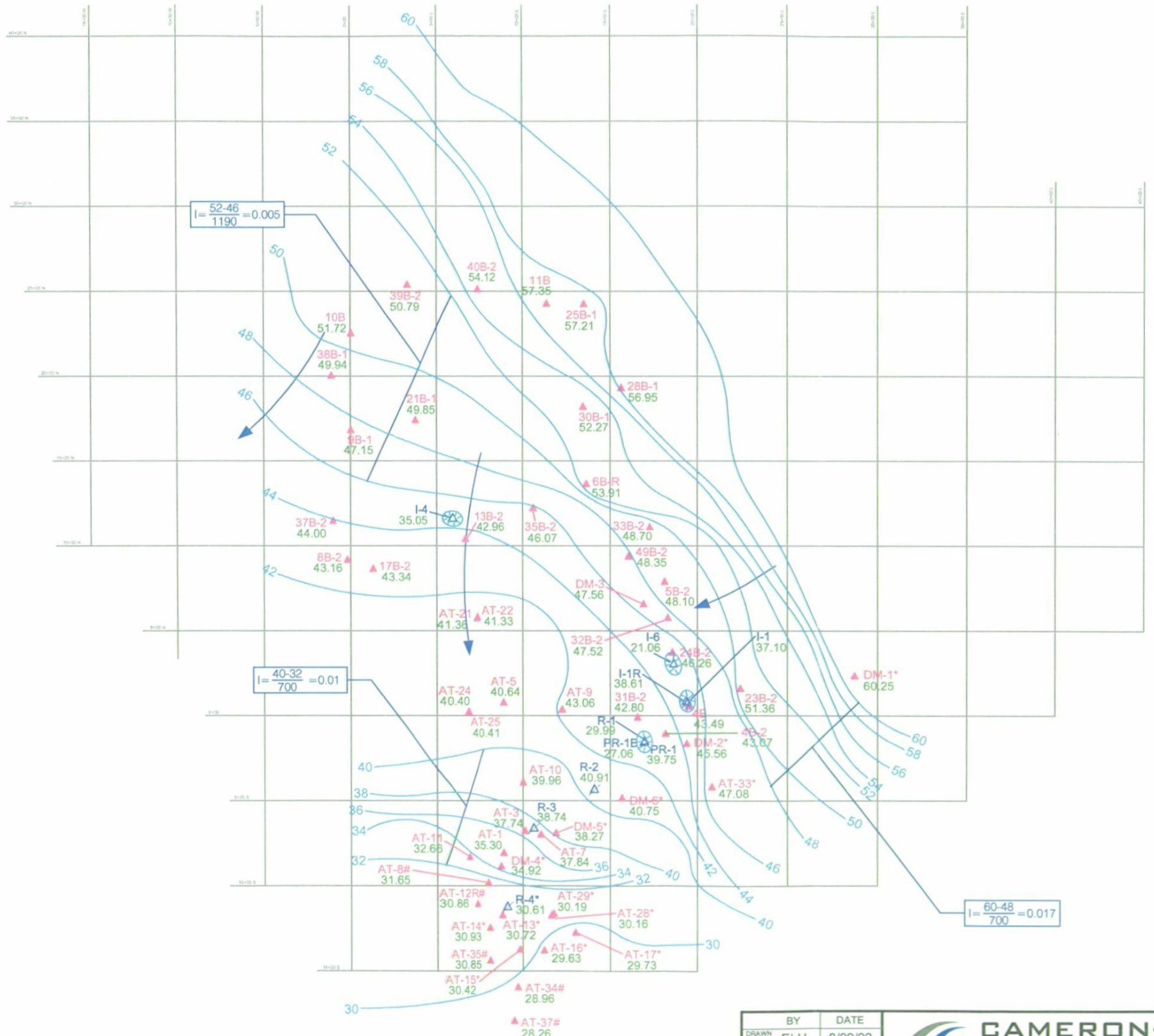
FIGURE 11

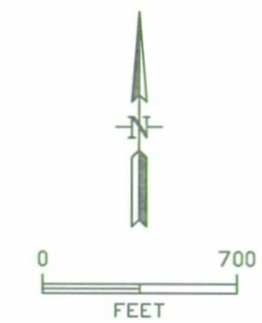
3Q 2007 POTENTIOMETRIC MAP
UNIT 4 (B1-ZONE)
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'

PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 11.dwg




## LEGEND

| | |
|---|---|
| 11B ▲ | UNIT 6 (B2-ZONE) MONITORING WELL |
| I6 △ | UNIT 6 (B2-ZONE) CORRECTIVE ACTION WELL |
| R2 ⊿ | UNIT 6 (B2-ZONE) CORRECTIVE ACTION WELL INACTIVE |
| 66.40 | GROUNDWATER ELEVATION, FEET |
| 60 ——— | POTENTIOMETRIC SURFACE CONTOUR |
| → | GROUNDWATER FLOW DIRECTION |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |
| # | INDICATES WELL ON GBRPC PROPERTY |

$$I\ avg = \frac{0.005+0.017+0.01}{3} = 0.011\ ft/ft$$

NOTE: GROUNDWATER ELEVATION FROM TABLE 2 JANUARY 2007 MEASUREMENTS.

| | BY | DATE |
|---|---|---|
| DRAWN | ELH | 8/09/02 |
| CHECKED | | |
| REVISED | JRB | 08/09/07 |
| REVISED | MWS | 01/25/08 |
| APPROVED | | |
| APPROVED | | |

CAMERON-COLE
6120 WEST BY NORTHWEST BLVD.
SUITE 110
HOUSTON, TEXAS 77040
713-744-5100 fax: 713-744-5110
http://www.cameron-cole.com

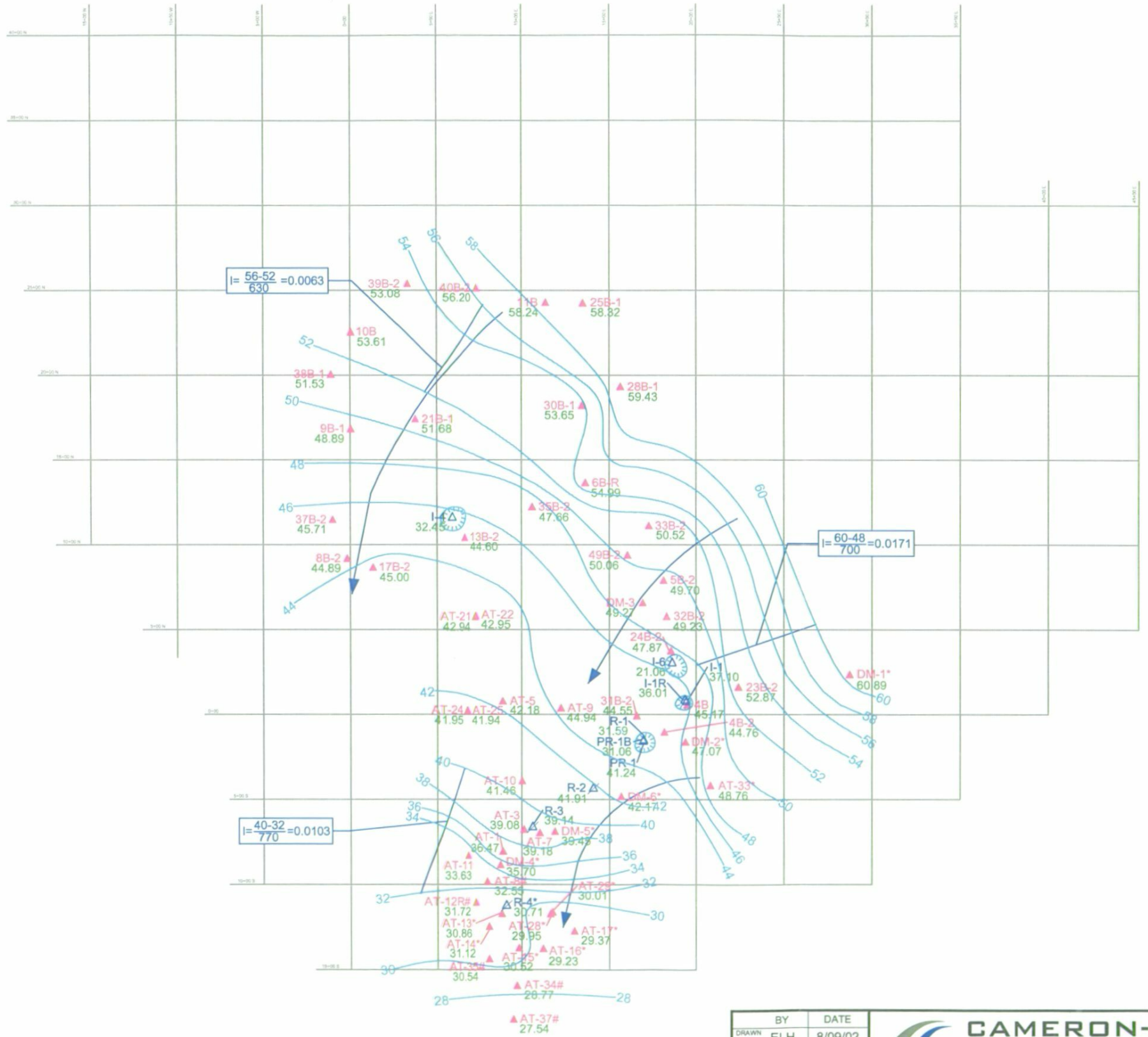
FIGURE 12

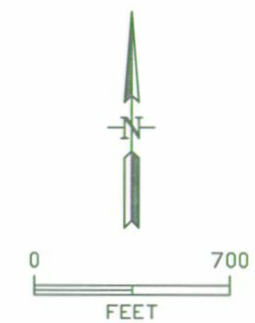
1Q 2007 POTENTIOMETRIC MAP
UNIT 6 (B2-ZONE)
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'

PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 12.dwg




## LEGEND

| | |
|---|---|
| 10B ▲ | UNIT 6 (B2-ZONE) MONITORING WELL |
| R-1 △ | UNIT 6 (B2-ZONE) CORRECTIVE ACTION WELL |
| R-4 △ | UNIT 6 (B2-ZONE) CORRECTIVE ACTION WELL (INACTIVE) |
| 53.11 | GROUNDWATER ELEVATION, FEET |
| ——— | POTENTIOMETRIC SURFACE CONTOUR |
| → | GROUNDWATER FLOW DIRECTION |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |
| # | INDICATES WELL ON GBRPC PROPERTY |

$$I_{avg} = \frac{0.0063+0.0103+0.0171}{3} = 0.0112 \text{ ft/ft}$$

NOTE: GROUNDWATER ELEVATIONS FROM TABLE 2 JULY 2007 MEASUREMENTS.

| | BY | DATE |
|---|---|---|
| DRAWN | ELH | 8/09/02 |
| CHECKED | | |
| REVISED | PO | 2/23/07 |
| REVISED | MWS | 01/31/08 |
| APPROVED | | |
| APPROVED | | |

CAMERON-COLE
515 NORTH SAM HOUSTON
PARKWAY EAST - SUITE 110
HOUSTON, TEXAS 77060
281-820-7600 281-820-7618 fax
http://www.cameron-cole.com

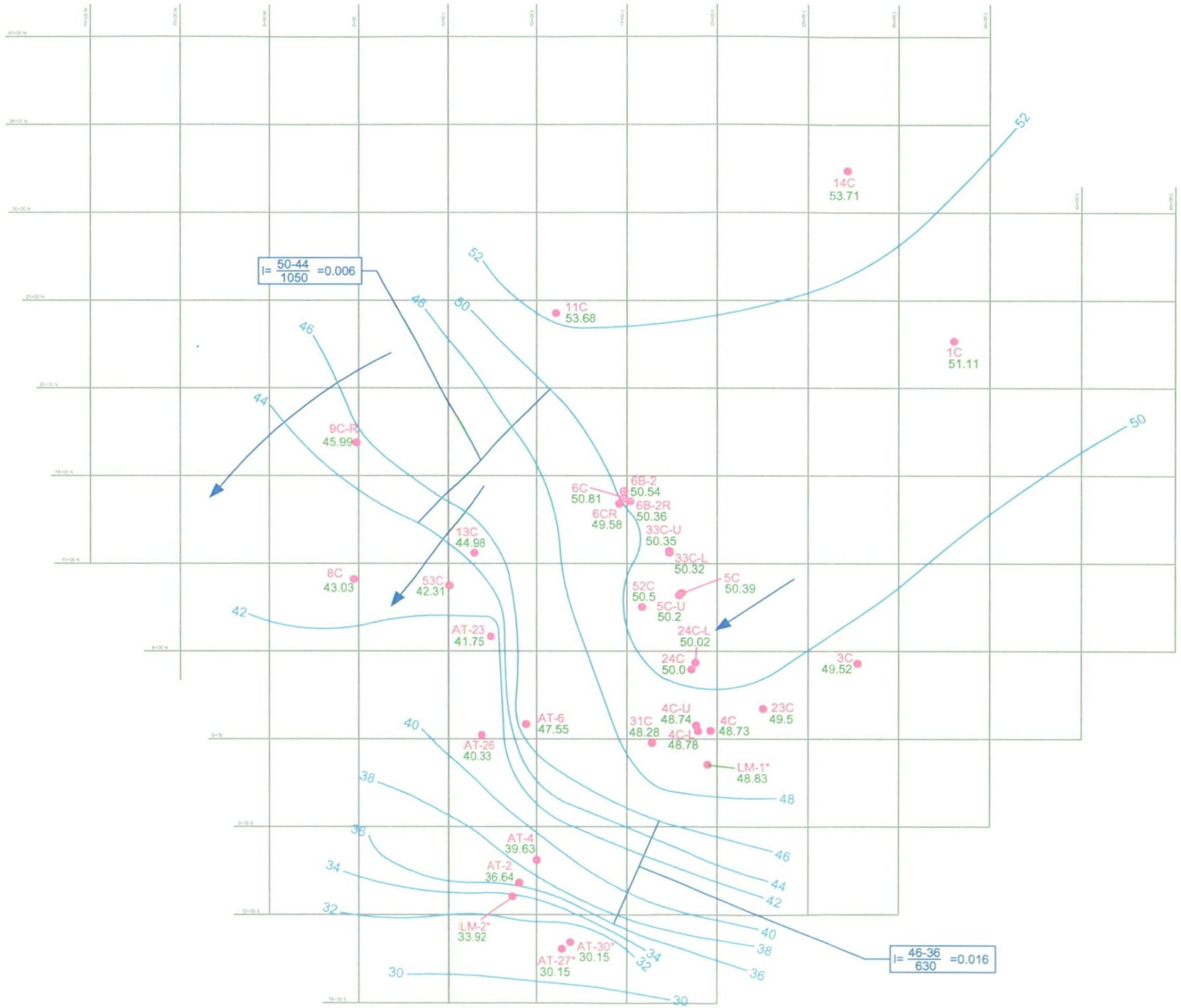
FIGURE 13

3Q 2007 POTENTIOMETRIC MAP
UNIT 6 (B2-ZONE)
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'

PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 13.dwg




N

0 700
FEET

## LEGEND

| | |
|---|---|
| 11C ⊕ | UNIT 8 (C-ZONE) MONITORING WELL |
| 11C ● | UNIT 8 (C-ZONE) MONITORING WELL |
| 53.11 | GROUNDWATER ELEVATION, FEET |
| 50 ——— | POTENTIOMETRIC SURFACE CONTOUR |
| → | GROUNDWATER FLOW DIRECTION |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |
| # | INDICATES WELL ON GBPRC PROPERTY |

I avg = $\frac{0.006+0.016}{2}$ = 0.01 ft/ft

NOTE: GROUNDWATER ELEVATIONS FROM TABLE 2 JANUARY 2007 MEASUREMENTS.

| | BY | DATE |
|---|---|---|
| DRAWN | ELH | 8/09/02 |
| CHECKED | | |
| REVISED | JRB | 08/09/07 |
| REVISED | MWS | 01/25/08 |
| APPROVED | | |
| APPROVED | | |

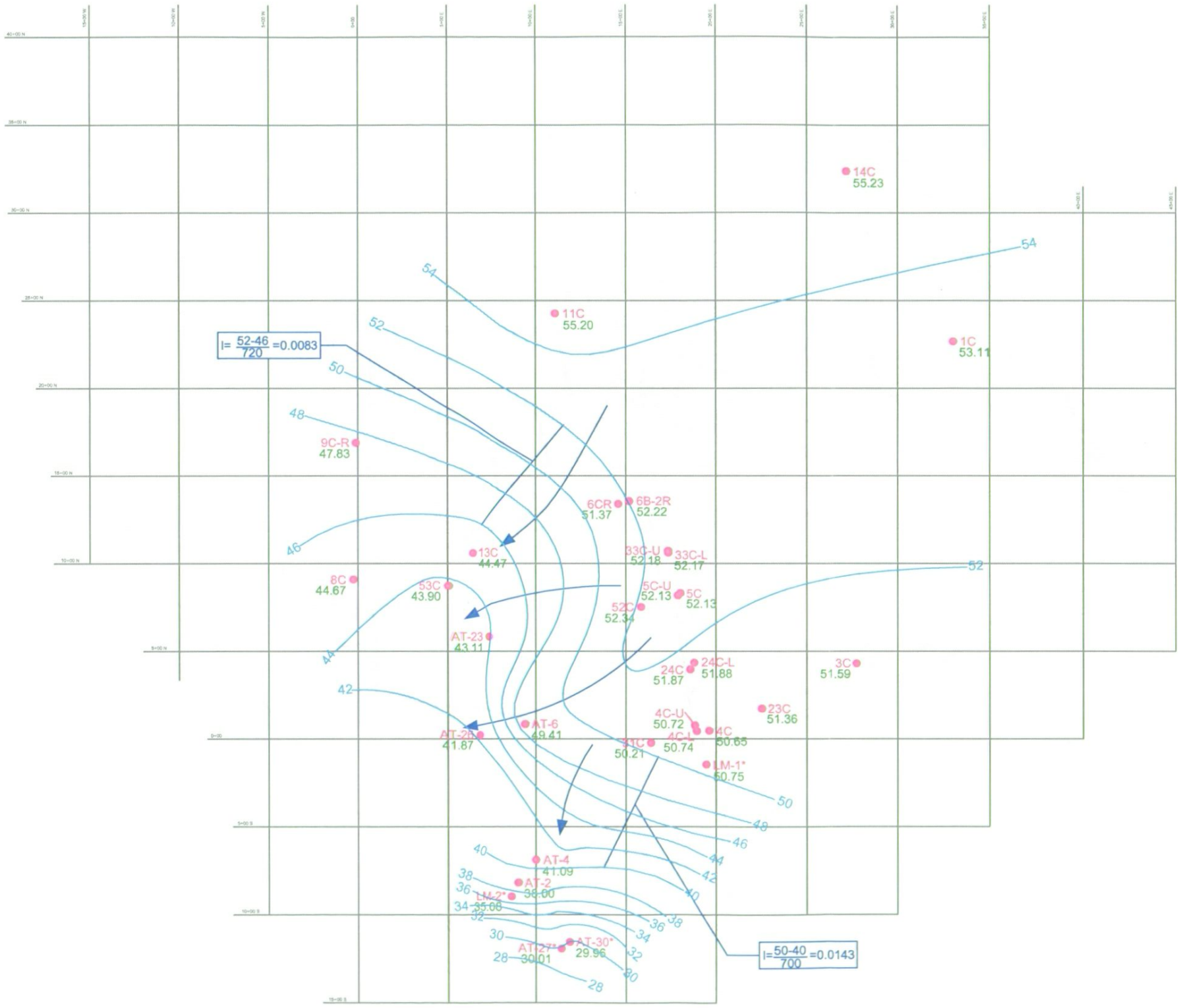
CAMERON-COLE
6120 WEST BY NORTHWEST BLVD.
SUITE 110
HOUSTON, TEXAS 77040
713-744-5100 fax: 713-744-5110
http://www.cameron-cole.com

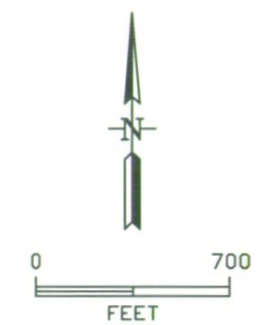
FIGURE 14

1Q 2007 POTENTIOMETRIC MAP
UNIT 8 (C-ZONE)
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'
PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 14.dwg




## LEGEND

| | |
|---|---|
| 10B ■ | UNIT 8 (C-ZONE) MONITORING WELL |
| 53.11 | GROUNDWATER ELEVATION, FEET |
| —— | POTENTIOMETRIC SURFACE CONTOUR |
| → | GROUNDWATER FLOW DIRECTION |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |

$$I_{avg} = \frac{0.008+0.014}{2} = 0.011 \text{ ft/ft}$$

NOTE: GROUNDWATER ELEVATIONS FROM TABLE 2
JULY 2007 MEASUREMENTS.

| | BY | DATE |
|---|---|---|
| DRAWN | ELH | 8/09/02 |
| CHECKED | | |
| REVISED | PO | 2/23/07 |
| REVISED | MWS | 01/28/08 |
| APPROVED | | |
| APPROVED | | |

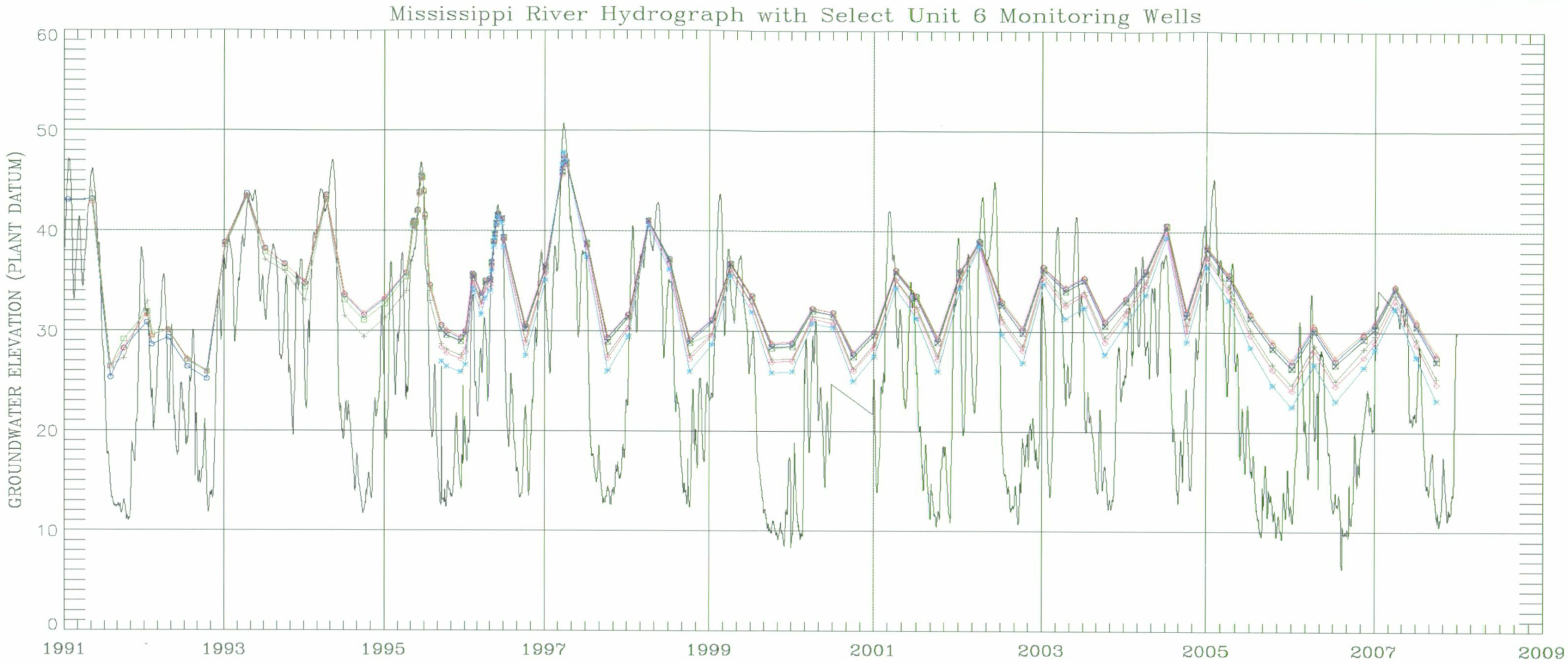
CAMERON-COLE
515 NORTH SAM HOUSTON
PARKWAY EAST - SUITE 110
HOUSTON, TEXAS 77060
281-820-7600 281-820-7618 fax
http://www.cameron-cole.com

FIGURE 15

3Q 2007 POTENTIOMETRIC MAP
UNIT 8 (C-ZONE)
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'
PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 15.dwg




NOTES:
1. Recovery Well R-4 activated on July 23, 1991
2. Contaminants first detected in Well AT-14 on March 3, 1992
3. Pumpage in Wells R-2, R-3, and R-4 ceased on November 18, 1992
4. Contaminants first detected in Well AT-15 on August 10, 1993
5. Well R-3 reactivated May 16, 1995, then deactivated February 16, 2001

River Elevation adjusted to plant datum elevation of facility using data from the Baton Rouge and Red River Landing gauge stations.

*LEGEND*

| | |
|---|---|
| AT-13 | AT-34 |
| AT-14 | AT-35 |
| AT-15 | AT-37 |
| AT-16 | RIVER |

| | BY | DATE |
|---|---|---|
| DRAWN | EA | 1/29/08 |
| CHECKED | | |
| REVISED | | |
| APPROVED | | |
| APPROVED | | |
| APPROVED | | |

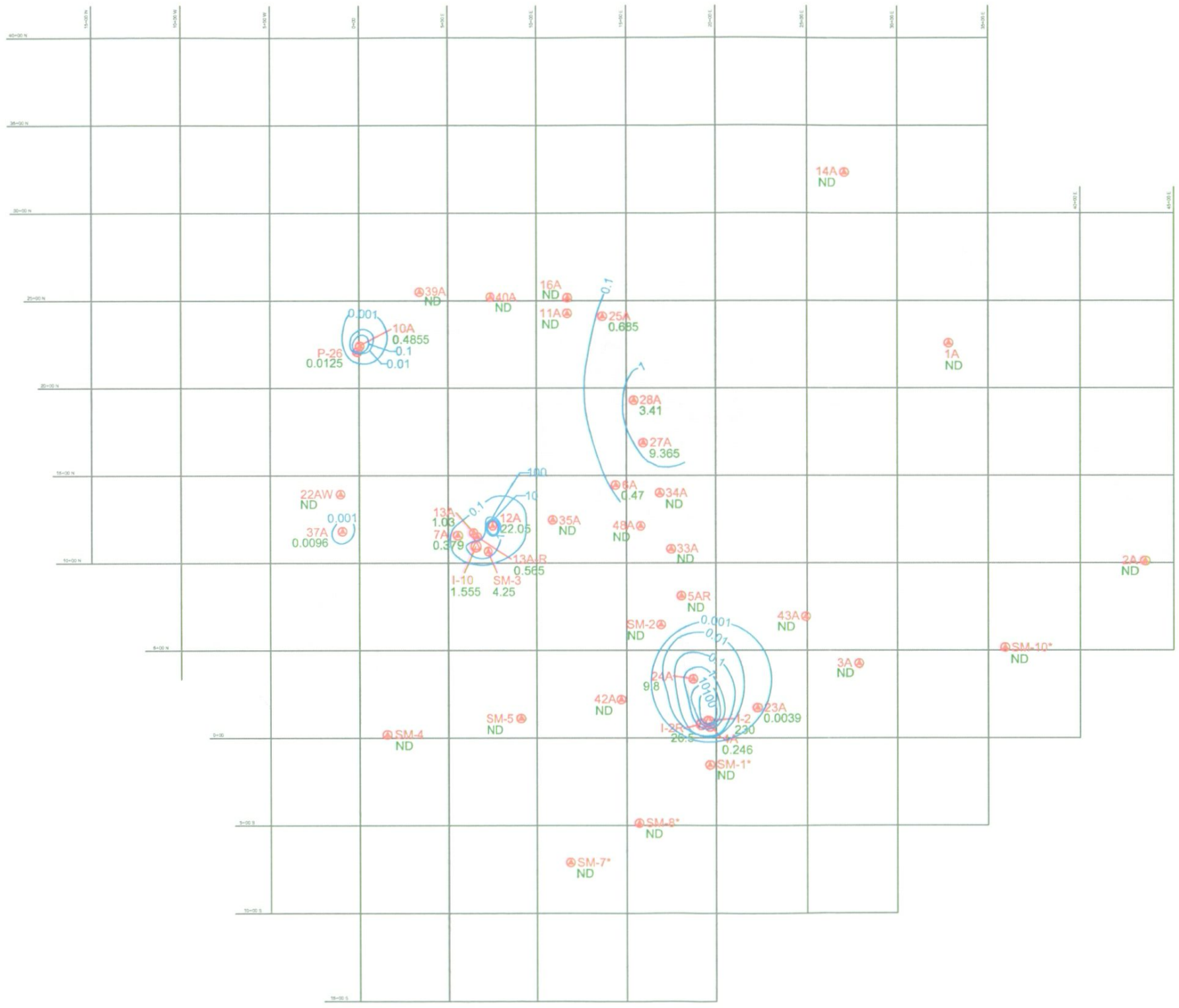
CAMERON-COLE
5777 CENTRAL AVENUE SUITE 200
BOULDER, COLORADO 80301
PHONE: (303) 938-5500
FAX: (303) 938-5520
http://www.cameron-cole.com

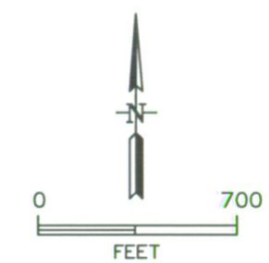
FIGURE 16

MISSISSIPPI RIVER HYDROGRAPH
CLEAN HARBORS BATON ROUGE, LLC
BATON ROUGE, LOUISIANA

SCALE: NTS

PROJECT: 1814




## LEGEND

| | |
|---|---|
| 10A | UNIT 3 (A-ZONE) MONITORING WELL |
| I-2 | UNIT 3 (A-ZONE) CORRECTIVE ACTION WELL |
| 7.73 | 2006 AVERAGE TOTAL VOC CONCENTRATIONS IN PPM |
| ND | NOT DETECTED |
| | LINES OF EQUAL CONCENTRATIONS |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |

NOTE: ONLY UNIT 3 WELLS TESTED FOR VOC ARE SHOWN

NOTE: CONCENTRATION DATA ARE INCLUDED ON TABLE 6

| | BY | DATE |
|---|---|---|
| DRAWN | WRB | 8/12/02 |
| CHECKED | | |
| REVISED | MWS | 01/28/08 |
| REVISED | | |
| APPROVED | | |
| APPROVED | | |

CAMERON-COLE
515 NORTH SAM HOUSTON
PARKWAY EAST - SUITE 110
HOUSTON, TEXAS 77060
281-820-7600 281-820-7618 fax
http://www.cameron-cole.com

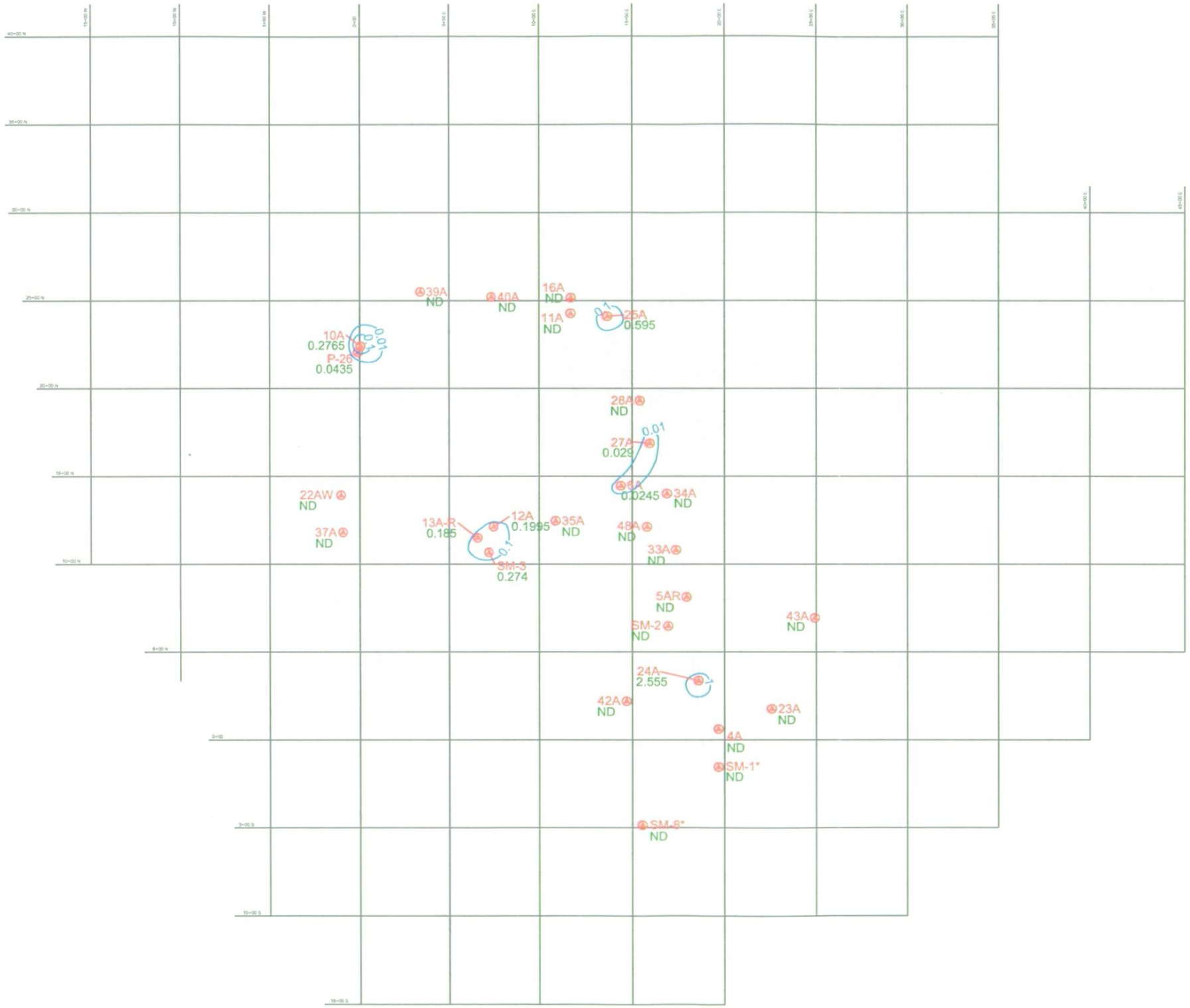
FIGURE 17

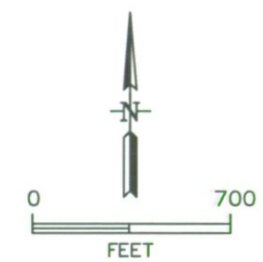
2007 AVERAGE VOC
ISOCONCENTRATION MAP, UNIT 3
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'

PROJECT: 1816

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 17.dwg




## LEGEND

| | |
|---|---|
| 16A | UNIT 3 (A-ZONE) MONITORING WELL |
| 0.90 | 2006 AVERAGE TOTAL SVOC CONCENTRATIONS IN mg/l |
| ND | NOT DETECTED |
| ——— | LINES OF EQUAL CONCENTRATIONS |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |

NOTE: ONLY UNIT 3 WELLS TESTED FOR SVOC ARE SHOWN

NOTE: CONCENTRATION DATA ARE INCLUDED ON TABLE 7

| | BY | DATE |
|---|---|---|
| DRAWN | WRB | 8/12/02 |
| CHECKED | | |
| REVISED | MWS | 01/29/08 |
| REVISED | | |
| APPROVED | | |
| APPROVED | | |

CAMERON-COLE
515 NORTH SAM HOUSTON
PARKWAY EAST - SUITE 110
HOUSTON, TEXAS 77060
281-820-7600 281-820-7618 fax
http://www.cameron-cole.com

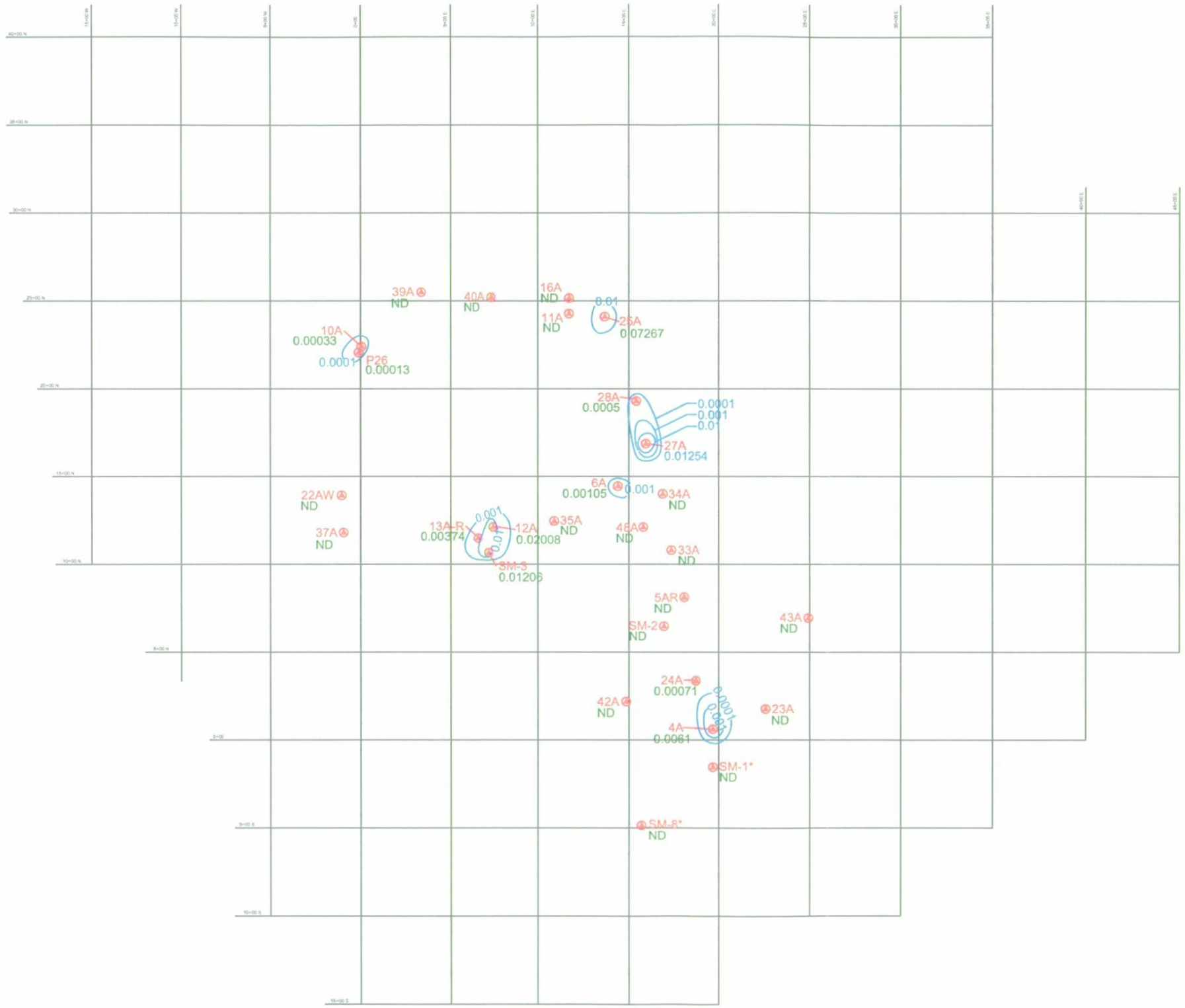
FIGURE 18

2006 AVERAGE SVOC
ISOCONCENTRATION MAP, UNIT 3
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'

PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 18.dwg




N

0 700
FEET

## LEGEND

| | |
|---|---|
| 10A | UNIT 3 (A-ZONE) MONITORING WELL |
| 0.0571 | 2007 AVERAGE TOTAL PESTICIDE/HERBICIDE CONCENTRATIONS IN mg/l |
| ND | NOT DETECTED |
| ——— | LINES OF EQUAL CONCENTRATIONS |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |

NOTE: ONLY UNIT 3 WELLS TESTED FOR PESTICIDES/HERBICIDES ARE SHOWN

NOTE: CONCENTRATION DATA ARE INCLUDED ON TABLE 8

| | BY | DATE |
|---|---|---|
| DRAWN | WRB | 8/12/02 |
| CHECKED | | |
| REVISED | MWS | 01/28/08 |
| REVISED | | |
| APPROVED | | |
| APPROVED | | |

CAMERON-COLE
515 NORTH SAM HOUSTON
PARKWAY EAST - SUITE 110
HOUSTON, TEXAS 77060
281-820-7600 281-820-7618 fax
http://www.cameron-cole.com

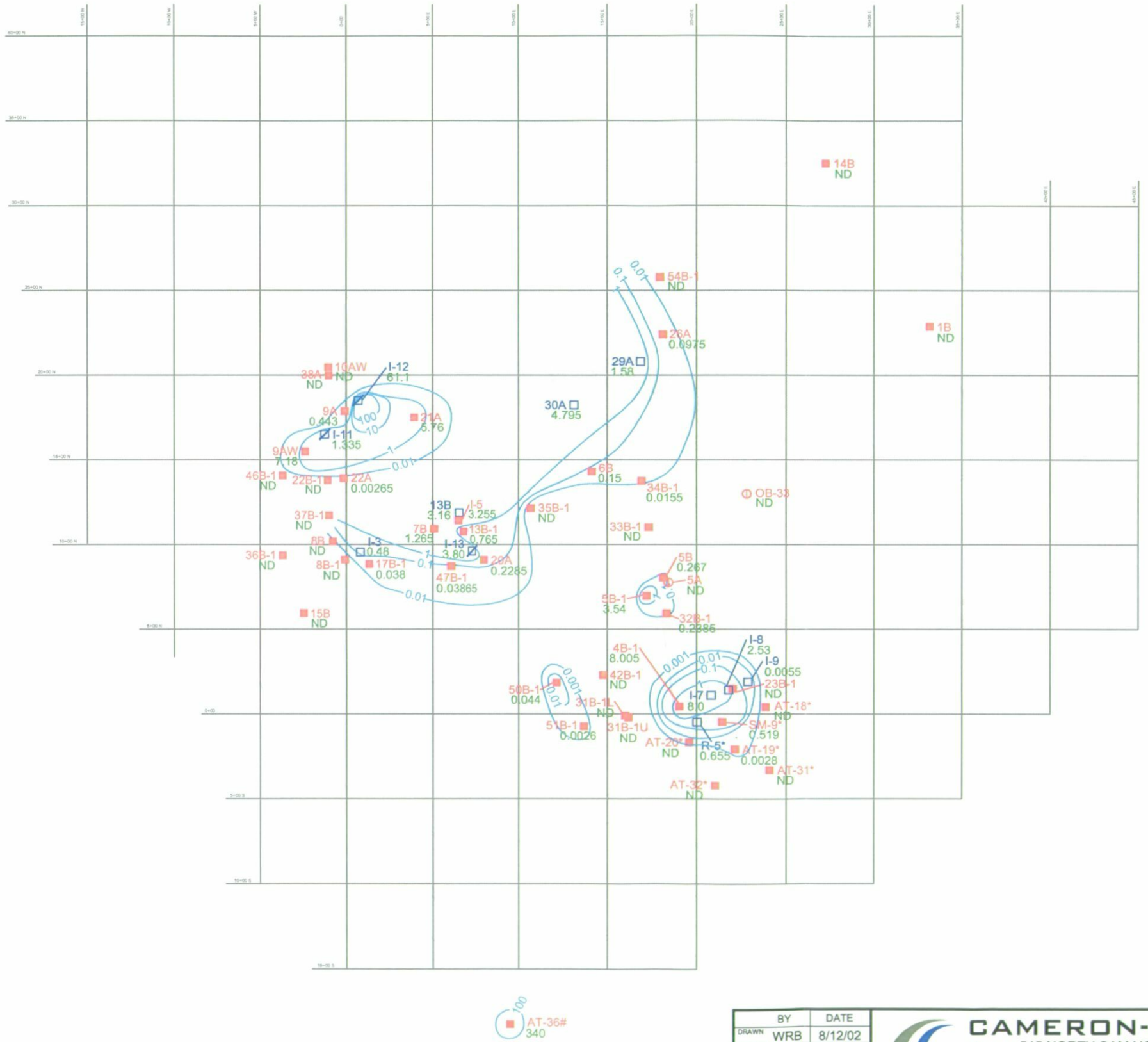
FIGURE 19

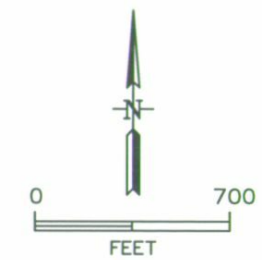
2007 AVERAGE PESTICIDE/HERBICIDE
ISOCONCENTRATION MAP, UNIT 3
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'

PROJECT: 3802

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 19.dwg




## LEGEND

| | |
|---|---|
| 9A ■ | UNIT 4 (B-1 ZONE) MONITORING WELL |
| OB-33 ⦶ | UNIT 4 (B-1 ZONE) PIEZOMETER OR OBSERVATION WELL |
| R-5 □ | UNIT 4 (B-1 ZONE) CORRECTIVE ACTION WELL |
| 1-1 ⊠ | UNIT 4 (B-1 ZONE) CORRECTIVE ACTION WELL (INACTIVE) |
| 0.23 | 2007 AVERAGE TOTAL VOC CONCENTRATIONS IN mg/l |
| ND | NOT DETECTED |
| ——— | LINES OF EQUAL CONCENTRATIONS |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |
| # | INDICATES WELL ON GBRPC PROPERTY |

NOTE: ONLY UNIT 4 WELLS TESTED FOR VOC ARE SHOWN

NOTE: CONCENTRATION DATA ARE INCLUDED ON TABLE 6

| | BY | DATE |
|---|---|---|
| DRAWN | WRB | 8/12/02 |
| CHECKED | | |
| REVISED | MWS | 01/30/08 |
| REVISED | | |
| APPROVED | | |
| APPROVED | | |

CAMERON-COLE
515 NORTH SAM HOUSTON
PARKWAY EAST - SUITE 110
HOUSTON, TEXAS 77060
281-820-7600 281-820-7618 fax
http://www.cameron-cole.com

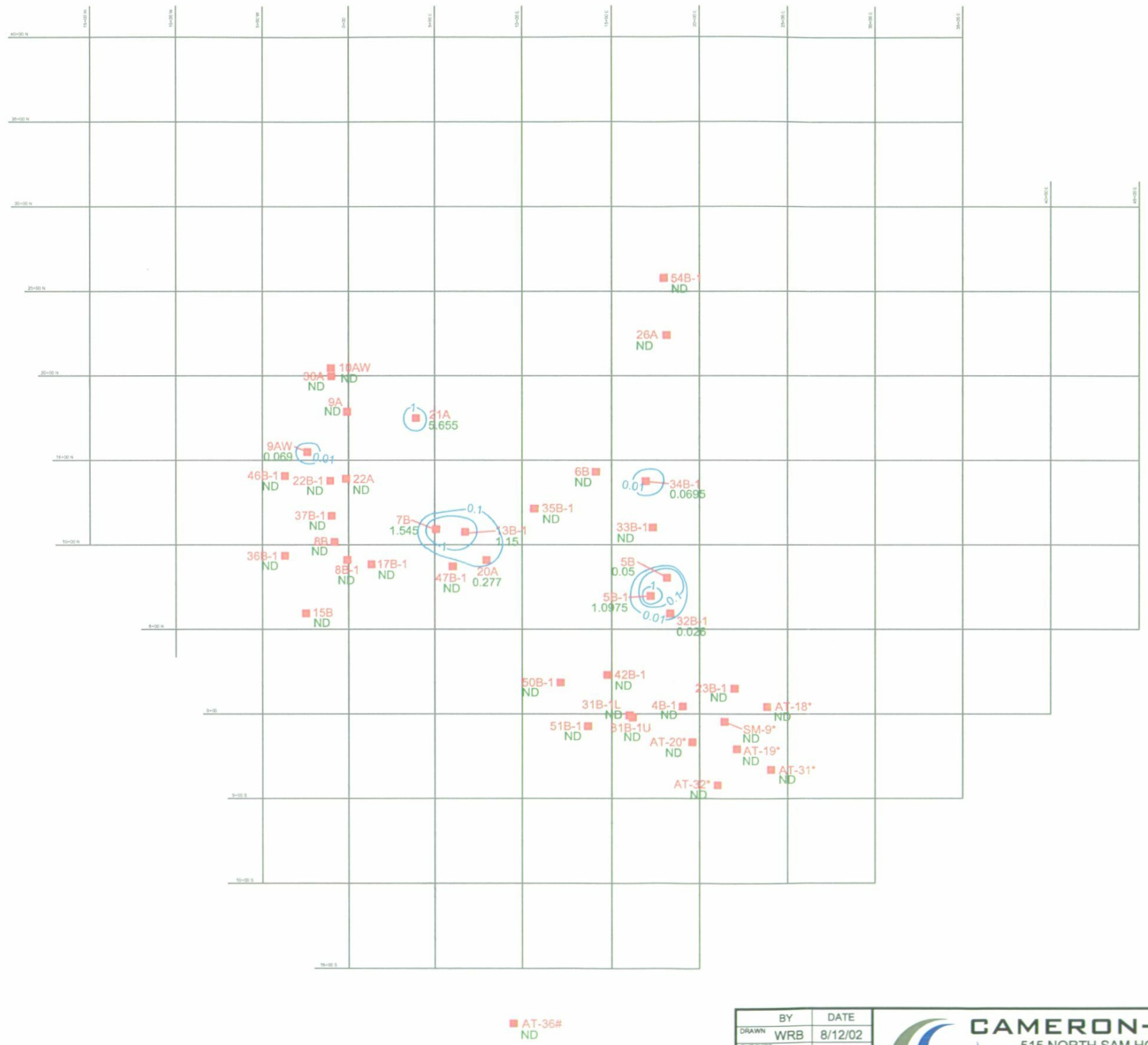
FIGURE 20

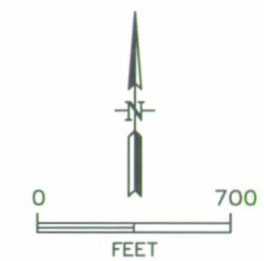
2007 AVERAGE VOC
ISOCONCENTRATION MAP, UNIT 4
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'

PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 20.dwg




## LEGEND

| | |
|---|---|
| 0.23 | 2007 AVERAGE TOTAL SVOC CONCENTRATIONS IN mg/l |
| ND | NOT DETECTED |
| ——— | LINES OF EQUAL CONCENTRATIONS |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |
| # | INDICATES WELL ON GBRPC PROPERTY |

NOTE: ONLY UNIT 4 WELLS TESTED FOR SVOC ARE SHOWN

NOTE: CONCENTRATION DATA ARE INCLUDED ON TABLE 7

| | BY | DATE |
|---|---|---|
| DRAWN | WRB | 8/12/02 |
| CHECKED | | |
| REVISED | MWS | 01/29/08 |
| REVISED | | |
| APPROVED | | |
| APPROVED | | |

CAMERON-COLE
515 NORTH SAM HOUSTON
PARKWAY EAST - SUITE 110
HOUSTON, TEXAS 77060
281-820-7600 281-820-7618 fax
http://www.cameron-cole.com

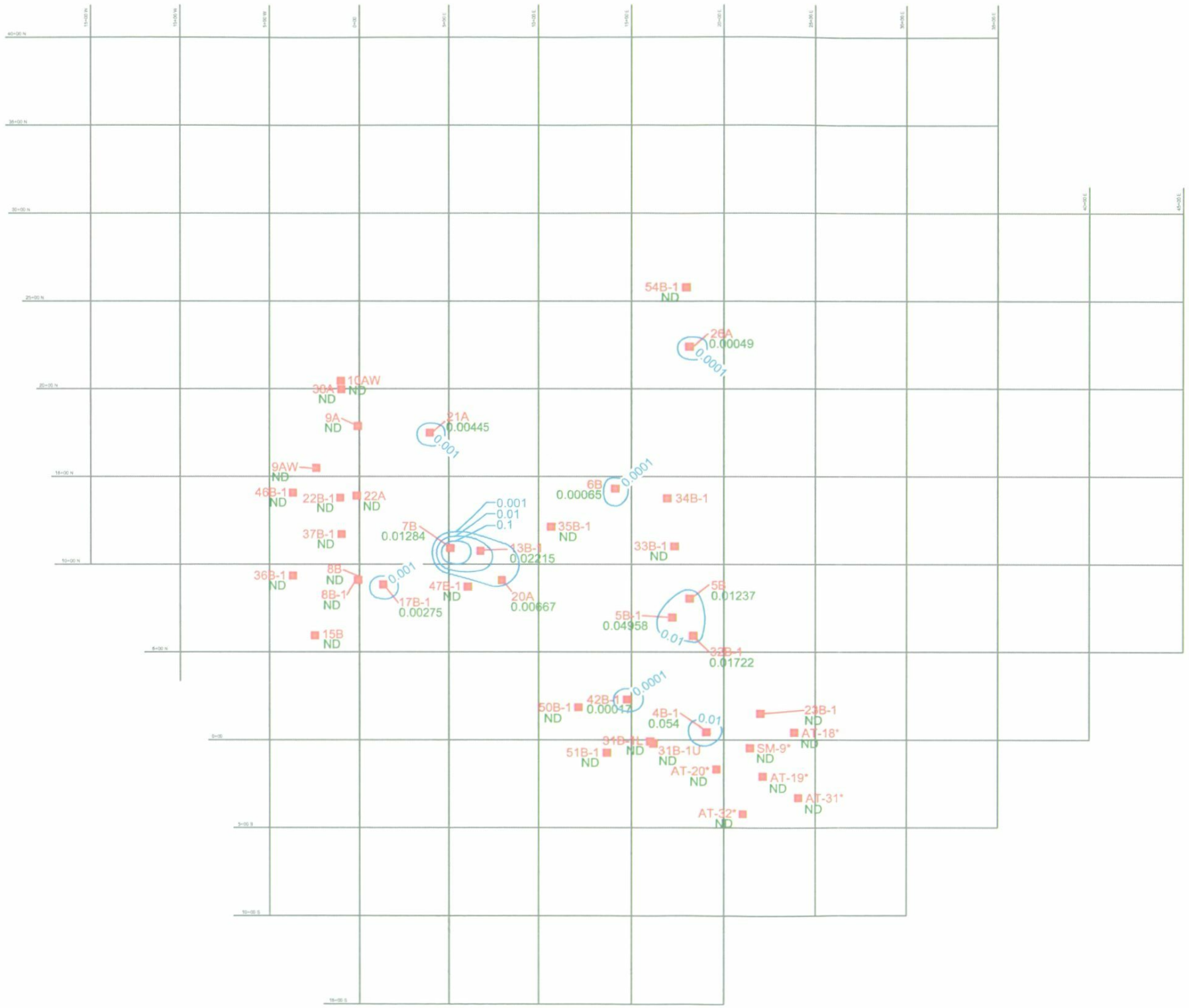
FIGURE 21

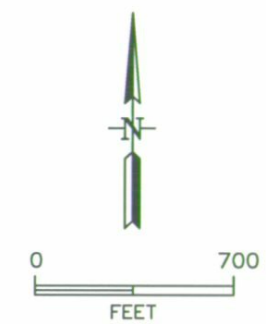
2007 AVERAGE SVOC
ISOCONCENTRATION MAP, UNIT 4
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'

PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 21.dwg




## LEGEND

| | |
|---|---|
| 0.23 | 2007 AVERAGE TOTAL PESTICIDE/HERBICIDE CONCENTRATIONS IN mg/l |
| ND | NOT DETECTED |
| ——— | LINES OF EQUAL CONCENTRATIONS |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |
| # | INDICATES WELL ON GBRPC PROPERTY |

NOTE: ONLY UNIT 4 WELLS TESTED FOR PESTICIDES/HERBICIDES ARE SHOWN

NOTE: CONCENTRATION DATA ARE INCLUDED ON TABLE 8

| | BY | DATE |
|---|---|---|
| DRAWN | WRB | 8/12/02 |
| CHECKED | | |
| REVISED | MWS | 01/28/08 |
| REVISED | | |
| APPROVED | | |
| APPROVED | | |

CAMERON-COLE
515 NORTH SAM HOUSTON
PARKWAY EAST - SUITE 110
HOUSTON, TEXAS 77060
281-820-7600 281-820-7618 fax
http://www.cameron-cole.com

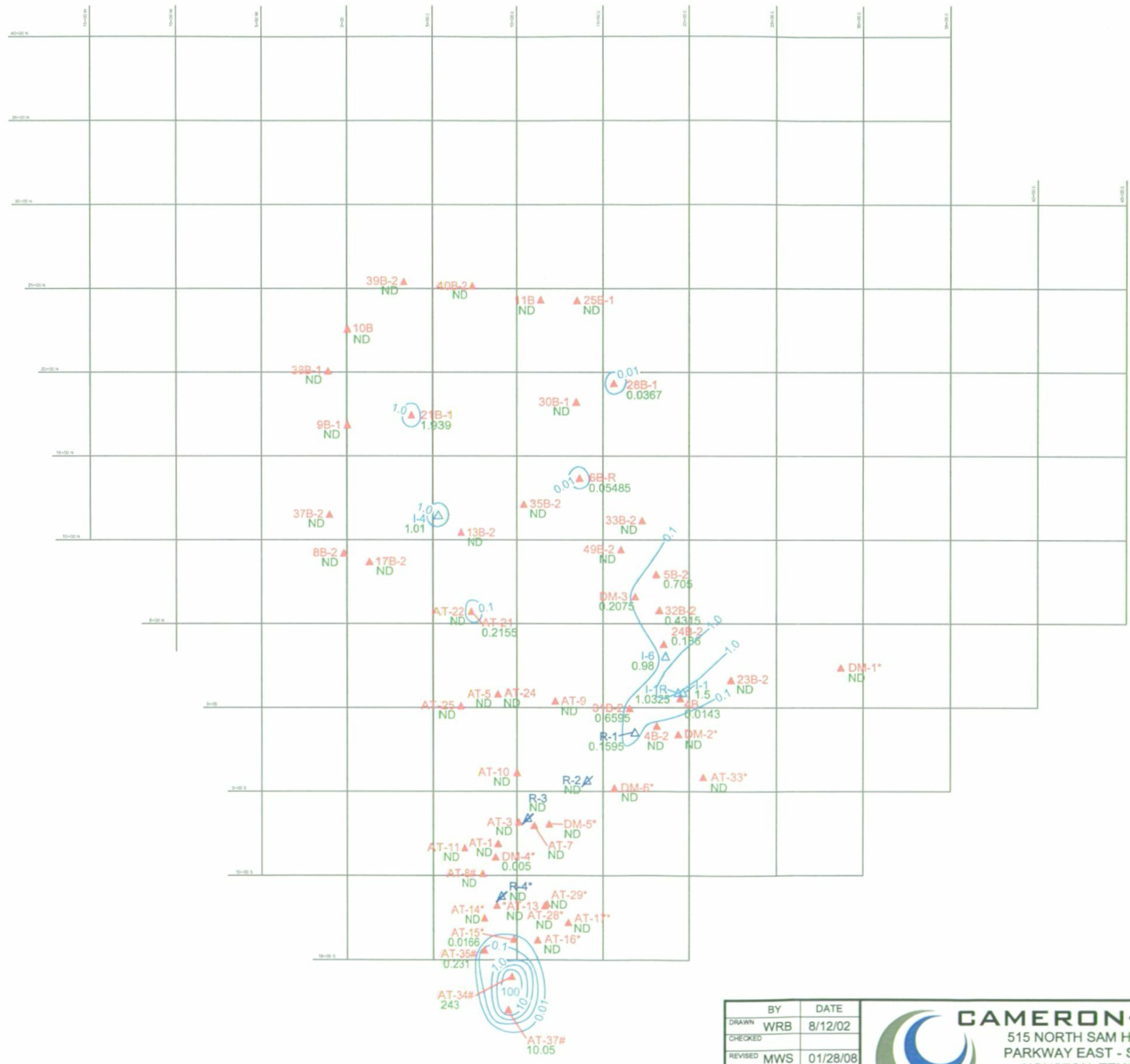
FIGURE 22

2007 AVERAGE PESTICIDE/HERBICIDE
ISOCONCENTRATION MAP, UNIT 4
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'

PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 22.dwg




N

0 700
FEET

## LEGEND

| | |
|---|---|
| 10B ▲ | UNIT 6 MONITORING WELL |
| R-1 △ | UNIT 6 CORRECTIVE ACTION WELL |
| R-4 ⊿ | UNIT 6 CORRECTIVE ACTION WELL (INACTIVE) |
| 0.43 | 2007 AVERAGE VOC CONCENTRATIONS IN mg/l |
| ND | NOT DETECTED |
| ——— | LINES OF EQUAL CONCENTRATIONS |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |
| # | INDICATES WELL ON GBRPC PROPERTY |

NOTE: ONLY UNIT 6 WELLS TESTED FOR VOCs ARE SHOWN
NOTE: CONCENTRATION DATA ARE INCLUDED ON TABLE 6

| | BY | DATE |
|---|---|---|
| DRAWN | WRB | 8/12/02 |
| CHECKED | | |
| REVISED | MWS | 01/28/08 |
| REVISED | | |
| APPROVED | | |
| APPROVED | | |

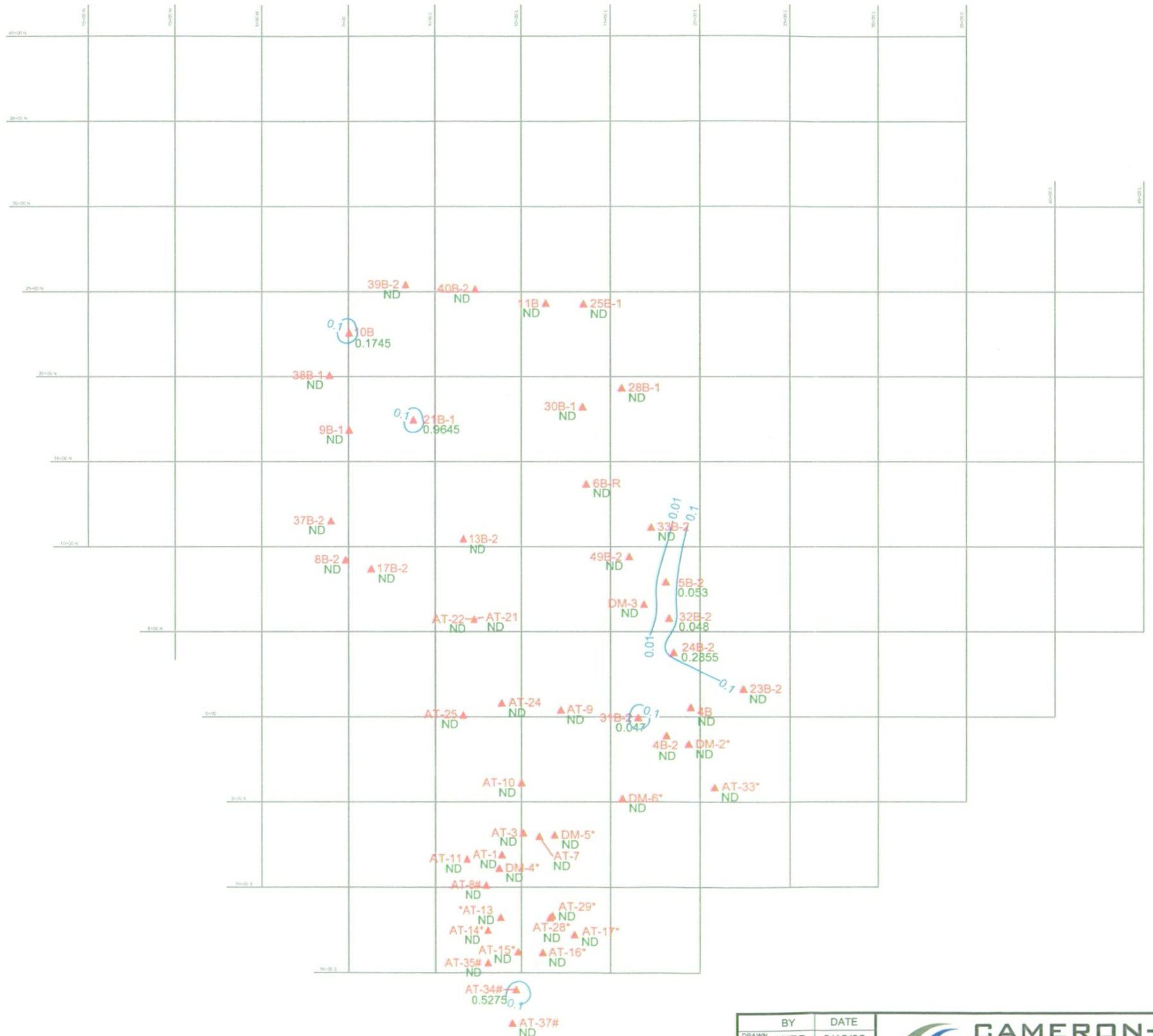
CAMERON-COLE
515 NORTH SAM HOUSTON
PARKWAY EAST - SUITE 110
HOUSTON, TEXAS 77060
281-820-7600 281-820-7618 fax
http://www.cameron-cole.com

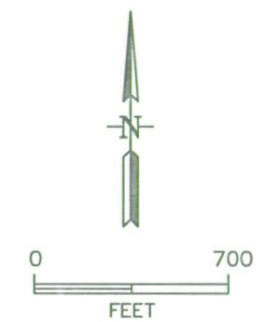
FIGURE 23

2007 AVERAGE VOC
ISOCONCENTRATION MAP, UNIT 6
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'
PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 23.dwg




## LEGEND

| | |
|---|---|
| 10B ▲ | UNIT 6 (B-2 ZONE) MONITORING WELL |
| 0.10 | 2007 AVERAGE SVOC CONCENTRATIONS IN PPM |
| ND | NOT DETECTED |
| ——— | LINES OF EQUAL CONCENTRATIONS |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |
| # | INDICATES WELL ON GBRPC PROPERTY |

NOTE: ONLY UNIT 6 WELLS TESTED SVOCs ARE SHOWN
NOTE: CONCENTRATION DATA ARE INCLUDED ON TABLE 7

| | BY | DATE |
|---|---|---|
| DRAWN | WRB | 8/12/02 |
| CHECKED | | |
| REVISED | MWS | 01/28/08 |
| REVISED | | |
| APPROVED | | |
| APPROVED | | |

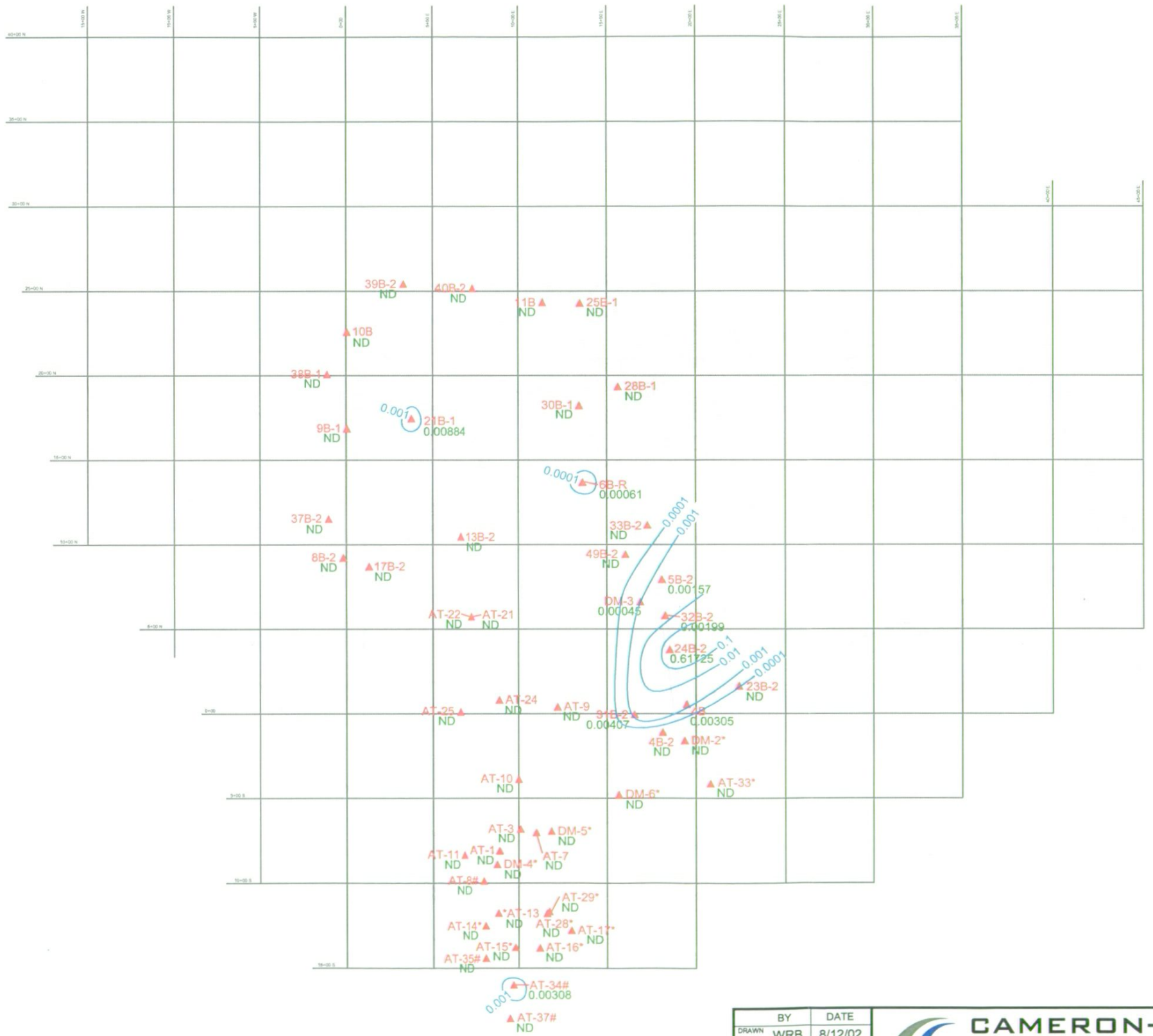
CAMERON-COLE
515 NORTH SAM HOUSTON
PARKWAY EAST - SUITE 110
HOUSTON, TEXAS 77060
281-820-7600 281-820-7618 fax
http://www.cameron-cole.com

FIGURE 24

2007 AVERAGE SVOC
ISOCONCENTRATION MAP, UNIT 6
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'
PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 24.dwg




N

0 700
FEET

## LEGEND

| | |
|---|---|
| 10B ▲ | UNIT 6 (A-ZONE) MONITORING WELL |
| 0.10 | 2007 AVERAGE PEST/HERB CONCENTRATIONS IN mg/l |
| ND | NOT DETECTED |
| ——— | LINES OF EQUAL CONCENTRATIONS |
| * | INDICATES WELL ON EXXONMOBIL PROPERTY |
| # | INDICATES WELL ON GBRPC PROPERTY |

NOTE: ONLY UNIT 6 WELLS TESTED FOR PESTICIDES/HERBICIDES ARE SHOWN
NOTE: CONCENTRATION DATA ARE INCLUDED ON TABLE 8

| | BY | DATE |
|---|---|---|
| DRAWN | WRB | 8/12/02 |
| CHECKED | | |
| REVISED | MWS | 01/28/08 |
| REVISED | | |
| APPROVED | | |
| APPROVED | | |

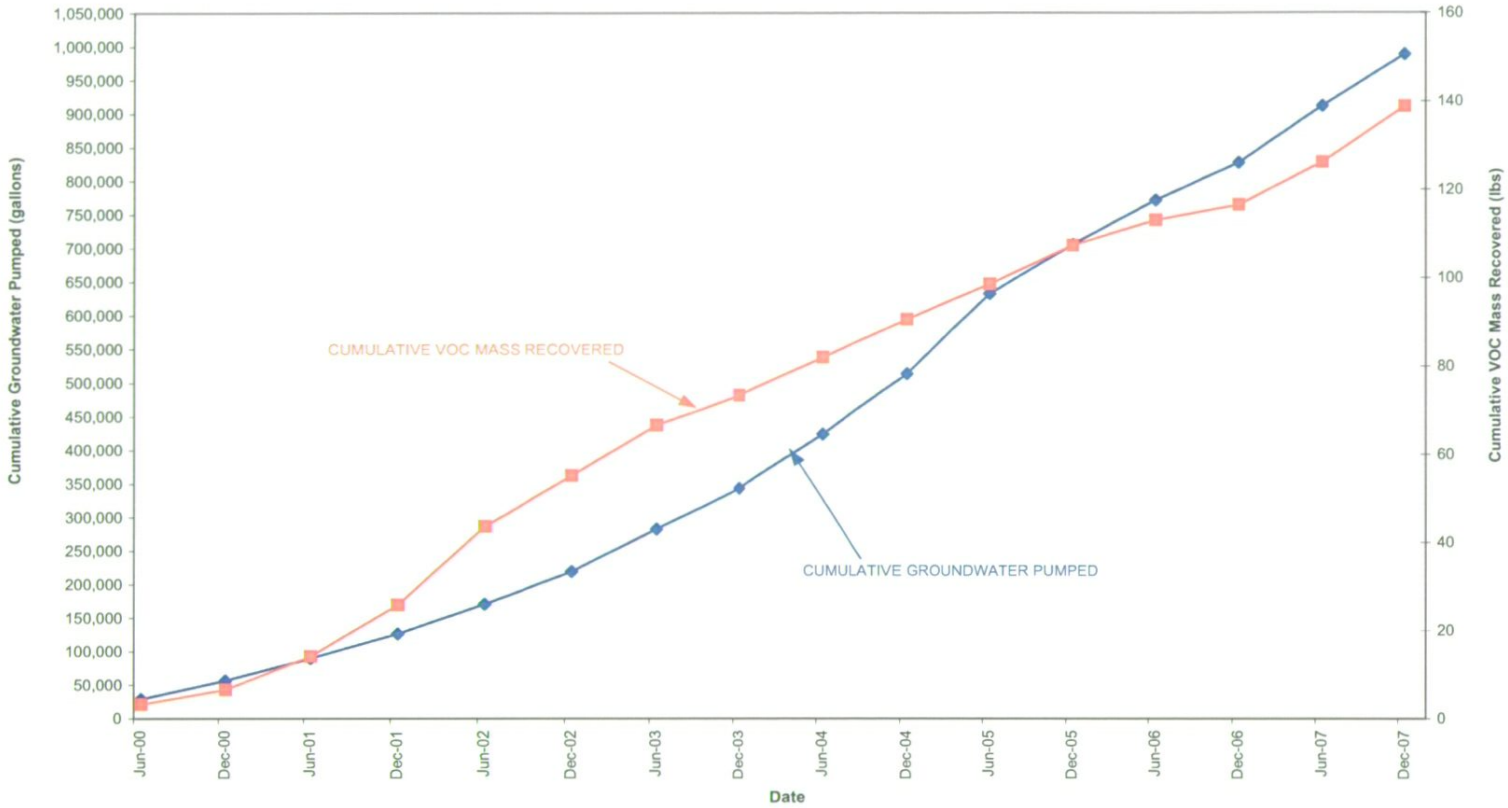
CAMERON-COLE
515 NORTH SAM HOUSTON
PARKWAY EAST - SUITE 110
HOUSTON, TEXAS 77060
281-820-7600 281-820-7618 fax
http://www.cameron-cole.com

FIGURE 25

2007 AVERAGE PESTICIDE/HERBICIDE
ISOCONCENTRATION MAP, UNIT 6
CLEAN HARBORS BATON ROUGE, LLC

SCALE: 1" = 700'
PROJECT: 1814

G:\Drafting\1814-Baton Rouge\2007 ANNUAL REPORT\Figure 25.dwg

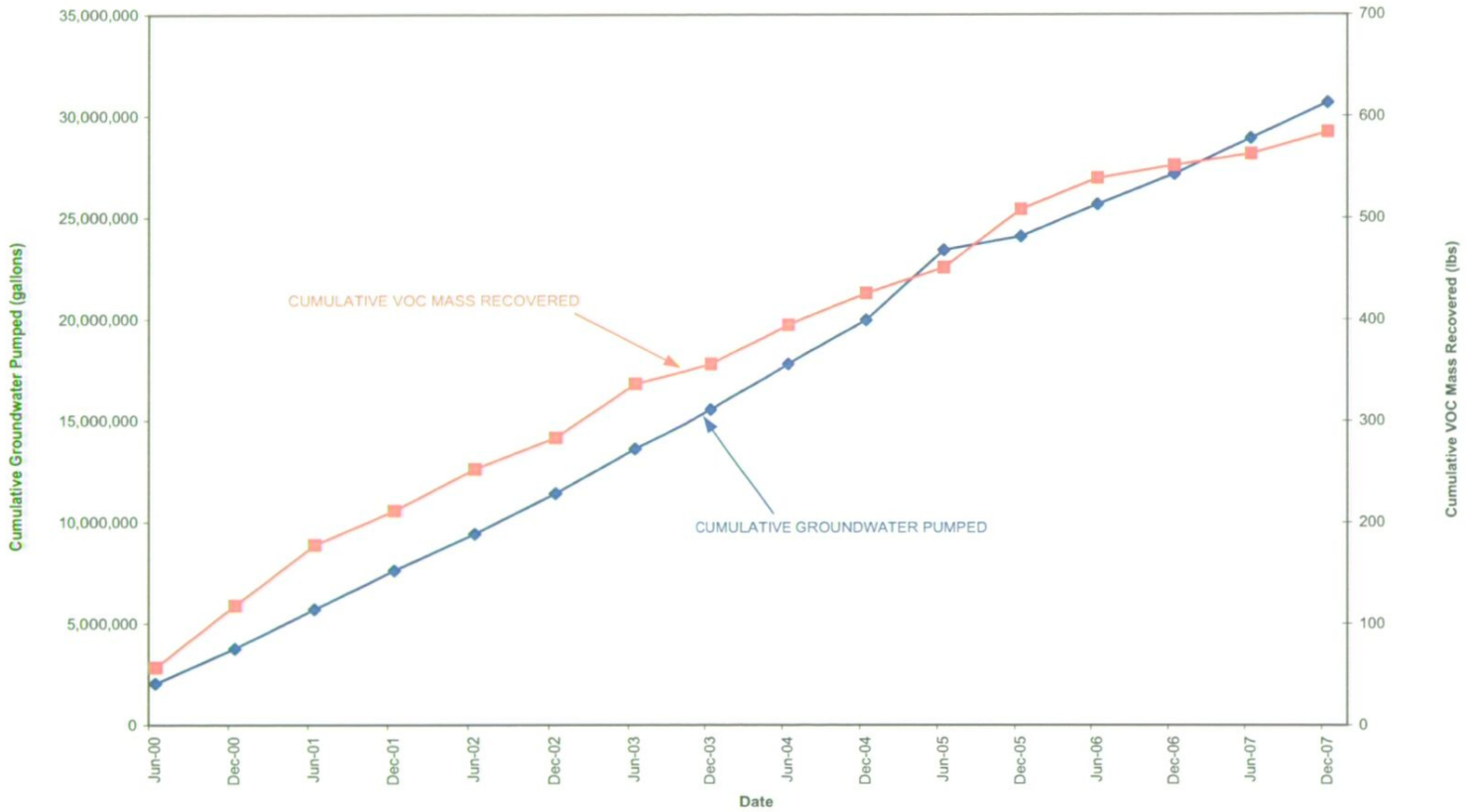



CAMERON-COLE
5777 CENTRAL AVENUE SUITE 200
BOULDER, COLORADO 80301
PHONE: (303) 938-5500
FAX: (303) 938-5520
http://www.cameron-cole.com

FIGURE 26

Cumulative Groundwater Pumped and VOC Recovered, Unit 3
Clean Harbors Baton Rouge, LLC
Baton Rouge, LA

| SCALE: | DATE: | PROJECT: |
|---|---|---|
| GRAPHS | 2/13/08 | 1815 |

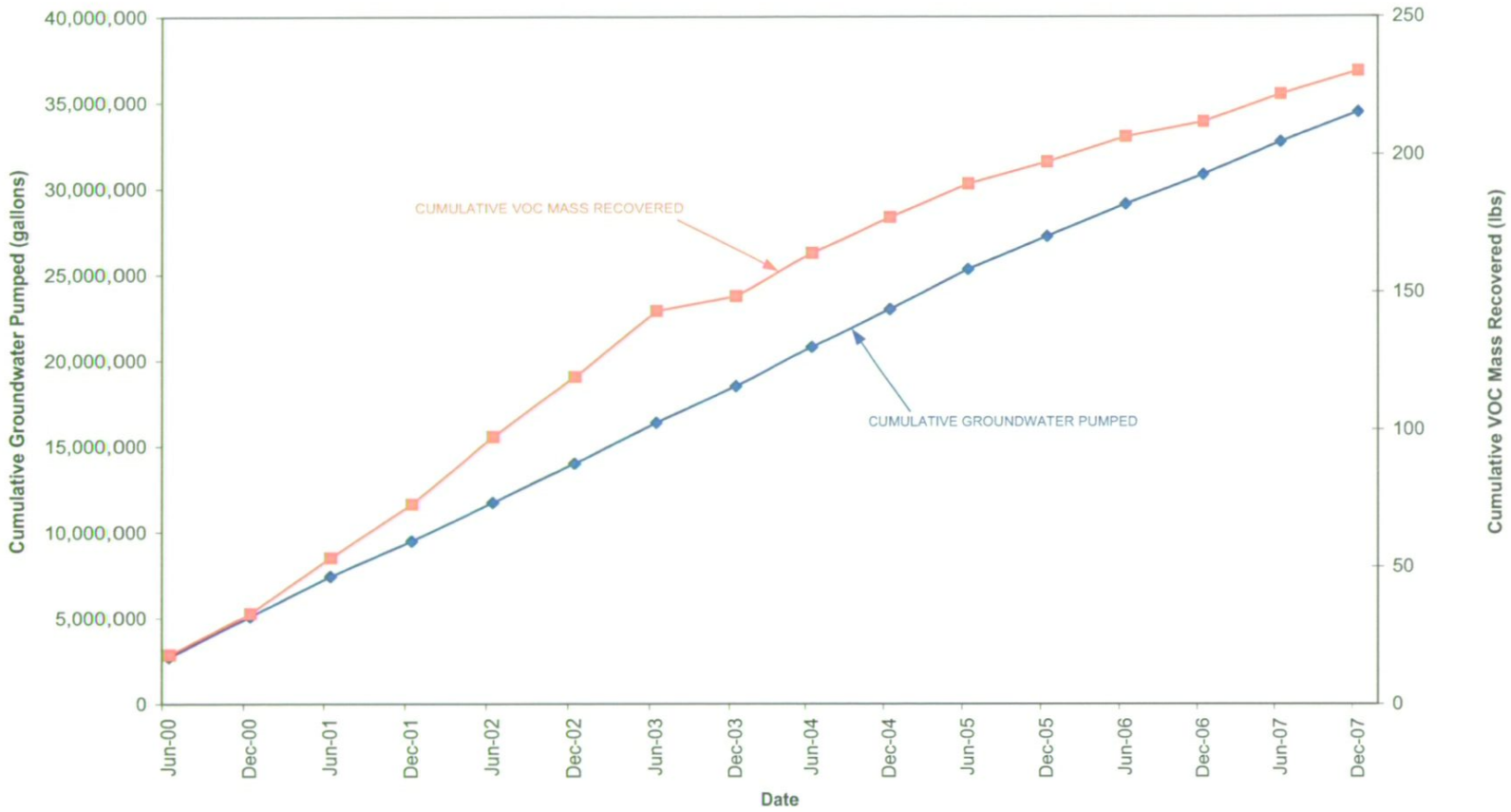



CAMERON-COLE
5777 CENTRAL AVENUE SUITE 200
BOULDER, COLORADO 80301
PHONE: (303) 938-5500
FAX: (303) 938-5520
http://www.cameron-cole.com

FIGURE 27

Cumulative Groundwater Pumped and VOC Recovered, Unit 4
Clean Harbors Baton Rouge, LLC
Baton Rouge, LA

| SCALE: | DATE: | PROJECT: |
|---|---|---|
| GRAPHS | 2/13/08 | 1815 |




CAMERON-COLE
5777 CENTRAL AVENUE SUITE 200
BOULDER, COLORADO 80301
PHONE: (303) 938-5500
FAX: (303) 938-5520
http://www.cameron-cole.com

FIGURE 28

Cumulative Groundwater Pumped and VOC Recovered, Unit 6
Clean Harbors Baton Rouge, LLC
Baton Rouge, LA

| SCALE: | DATE: | PROJECT: |
|---|---|---|
| GRAPHS | 2/13/08 | 1815 |

# APPENDIX A

## 2007 GROUNDWATER MONITORING PROGRAM

**2007 ANNUAL GROUNDWATER REPORT**

**CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P**

**CAMERON-COLE, LLC**

# APPENDIX A
# 2007 GROUNDWATER MONITORING PROGRAM

As required by Section VI.B of the Final Modified and Post-Closure Permits, this appendix provides a copy of Table VI-1 from the Groundwater Sampling and Analysis Plan. No changes were made during 2007. This table presents a sampling and analytical testing schedule for the 2007 groundwater monitoring program. This schedule is consistent with the Final Post-Closure Permit LAD 010395127-PC-3 (Cell 717) approved by LDEQ on August 19, 2000. The groundwater monitoring program requirements of this Post-Closure Permit supersede requirements set forth previously in the Final Modified Operating Permit and the Post-Closure Permits for Cells 901 and 902 and are applicable for all units at the Facility.

The permit also requires that Figures VI-2 through VI-7 be updated, as necessary, to show the locations of new wells installed during the reporting period. Since no new wells were installed in 2007, revisions to Figures VI-2 through VI-7 were not required; hence, these figures are not included herein.

# APPENDIX A
# GROUNDWATER SAMPLING AND ANALYSIS PLAN - TABLE VI-1
# COMPLIANCE MONITORING
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC – LAD010395127-P
# CAMERON-COLE, LLC

| Well I.D. | Unit/Zone Monitored | Gradient[1] | Sampling Frequency (1Q: First quarter 3Q: Third Quarter) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Table 4[2] | Individual Constituent Groups[3] | | | | RAD[8] (Biennual) |
| | | | | VOC[4] | BNA[5] | Metals[6] | Pesticides/PCBs[7] | (i.e., every 2 years) |
| **Compliance Point Wells** | | | | | | | | |
| 4A | 3/A | D | 1Q | 3Q | Constituent groups will be analyzed in 3Q if detected during either of the two previous sampling events. | | | |
| 4B | 6/B-2 | D | 1Q | 3Q | | | | |
| 4B-1 | 4/B-1 | D | 1Q | 3Q | | | | |
| 4C-U | 8/C-U | D | 1Q | 3Q | | | | |
| 4C-L | 8/C-L | D | 1Q | 3Q | | | | |
| 5A-R | 3/A | D | 1Q | 3Q | | | | |
| 5B | 4/B-1 | D | 1Q | 3Q | | | | |
| 5B-2 | 6/B-2 | D | 1Q | 3Q | | | | |
| 5C | 8/C | D | 1Q | 3Q | | | | |
| 5C-U | 8/C-U | D | 1Q | 3Q | | | | |
| 6A | 3/A | D | 1Q | 3Q | | | | |
| 6B-R | 6/B-2 | D | 1Q | 3Q | | | | |
| 8A-R | 3/A | D | 1Q | 3Q | | | | |
| 8B-1 | 4/B-1 | D | 1Q | 3Q | | | | |
| 8B-2 | 6/B-2 | D | 1Q | 3Q | | | | |
| 9A | 4/B-1 | D | 1Q | 3Q | | | | |
| 9B-1 | 6/B-2 | D | 1Q | 3Q | | | | |
| 10A | 3/A | D | 1Q | 3Q | | | | |
| 10B | 6/B-2 | D | 1Q | 3Q | | | | |
| 13A-R | 3/A | D | 1Q | 3Q | | | | |

(1) U:Upgradient D:Downgradient N:Neither. Neither defined as not directly upgradient nor downgradient of the facility.
(2) Table 4 - Refers to LAC 33:V.3325. Also includes S-triazine herbicides (atrazine, simazine, and propazine-EPA Method 8141A).
(3) Individual Constituent Groups included in Table 4 list (sampling frequency is in addition to Table 4 sampling).
(4) Volatile Organic Constituents (Method 8260B)
(5) Base Neutral/Acid Extractables (Method 8270C)
(6) Priority Pollutant Metals (Total metals)
(7) Pesticides/PCBs (Methods 8081A, 8082, 8141A, 8151A) and S-triazine herbicides (atrazine, simazine, propazine-Method 8141A)
(8) Radionuclides (Gross alpha, Gross beta, Radium). To be performed 1Q every other year (2008) in the Compliance Wells-Upgradient, Compliance Well-Downgradient, and Process Wells. Radionuclide testing not required in the Compliance Point Wells, Corrective Action Wells, and Piezometers.
** Indicates isolated unit
# Indicates monitor well owned by ExxonMobil (formerly PAXON)

# APPENDIX A
# GROUNDWATER SAMPLING AND ANALYSIS PLAN - TABLE VI-1
# COMPLIANCE MONITORING
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC – LAD010395127-P
# CAMERON-COLE, LLC

| Well I.D. | Unit/Zone Monitored | Gradient[1] | Sampling Frequency (1Q: First quarter 3Q: Third Quarter) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Table 4[2] | Individual Constituent Groups[3] | | | | RAD[8] (Biennual) |
| | | | | VOC[4] | BNA[5] | Metals[6] | Pesticides/PCBs[7] | (i.e., every 2 years) |
| 13B-1 | 4/B-1 | D | 1Q | 3Q | Constituent groups will be analyzed in 3Q if detected during either of the two previous sampling events. | | | |
| 13B-2 | 6/B-2 | D | 1Q | 3Q | | | | |
| 23A | 3/A | D | 1Q | 3Q | | | | |
| 23B-1 | 4/B-1 | D | 1Q | 3Q | | | | |
| 23B-2 | 6/B-2 | D | 1Q | 3Q | | | | |
| 24A | 3/A | D | 1Q | 3Q | | | | |
| 24B-2 | 6/B-2 | D | 1Q | 3Q | | | | |
| 24C | 8/C | D | 1Q | 3Q | | | | |
| 24C-L | 8/C-L | D | 1Q | 3Q | | | | |
| 33A | 3/A | D | 1Q | 3Q | | | | |
| 33B-1 | 4/B-1 | D | 1Q | 3Q | | | | |
| 33B-2 | 6/B-2 | D | 1Q | 3Q | | | | |
| 33C-U | 8/C-U | D | 1Q | 3Q | | | | |
| 33C-L | 8/C-L | D | 1Q | 3Q | | | | |
| 35A | 3/A | D | 1Q | 3Q | | | | |
| 35B-1 | 4/B-1 | D | 1Q | 3Q | | | | |
| 37A | 3/A | D | 1Q | 3Q | | | | |
| 37B-1 | 4/B-1 | D | 1Q | 3Q | | | | |
| 37B-2 | 6/B-2 | D | 1Q | 3Q | | | | |
| **Compliance Wells - Upgradient** | | | | | | | | |
| 1A | 3/A | U | | 1Q | | 1Q | | 1Q |
| 1B | 4/B-1 | U | | 1Q | | 1Q | | 1Q |

(1) U:Upgradient D:Downgradient N:Neither. Neither defined as not directly upgradient nor downgradient of the facility.
(2) Table 4 - Refers to LAC 33:V.3325. Also includes S-triazine herbicides (atrazine, simazine, and propazine-EPA Method 8141A).
(3) Individual Constituent Groups included in Table 4 list (sampling frequency is in addition to Table 4 sampling).
(4) Volatile Organic Constituents (Method 8260B)
(5) Base Neutral/Acid Extractables (Method 8270C)
(6) Priority Pollutant Metals (Total metals)
(7) Pesticides/PCBs (Methods 8081A, 8082, 8141A, 8151A) and S-triazine herbicides (atrazine, simazine, propazine-Method 8141A)
(8) Radionuclides (Gross alpha, Gross beta, Radium). To be performed 1Q every other year (2008) in the Compliance Wells-Upgradient, Compliance Well-Downgradient, and Process Wells. Radionuclide testing not required in the Compliance Point Wells, Corrective Action Wells, and Piezometers.
** Indicates isolated unit
# Indicates monitor well owned by ExxonMobil (formerly PAXON)

# APPENDIX A
# GROUNDWATER SAMPLING AND ANALYSIS PLAN - TABLE VI-1
# COMPLIANCE MONITORING
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC – LAD010395127-P
# CAMERON-COLE, LLC

| Well I.D. | Unit/Zone Monitored | Gradient[1] | Sampling Frequency (1Q: First quarter 3Q: Third Quarter) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Table 4[2] | Individual Constituent Groups[3] | | | | RAD[8] (Biennual) |
| | | | | VOC[4] | BNA[5] | Metals[6] | Pesticides/PCBs[7] | (i.e., every 2 years) |
| 1C | 8/C | U | | 1Q | | 1Q | | 1Q |
| 2A | 3/A | N | | 1Q | | 1Q | | 1Q |
| 3A | 3/A | N | | 1Q | | 1Q | | 1Q |
| SM-10# | 3/A | N | | 1Q | | 1Q | | 1Q |
| DM-1# | 6/B-2 | N | | 1Q | | 1Q | | 1Q |
| OB-33 | 4/B-1 | U | | 1Q | | 1Q | | 1Q |
| 11C | 8/C | U | | 1Q | | 1Q | | 1Q |
| 14A | 3/A | U | | 1Q | | 1Q | | 1Q |
| 14B | 4/B-1 | U | | 1Q | | 1Q | | 1Q |
| 14C | 8/C | U | | 1Q | | 1Q | | 1Q |
| 11A | 3/A | U | 1Q | 3Q | Constituent groups will be analyzed in 3Q if detected during either of the two previous sampling events. | | | 1Q |
| 11B | 6/B-2 | U | 1Q | 3Q | | | | 1Q |
| 16A | 3/A | U | 1Q | 3Q | | | | 1Q |
| 26A | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 39A | 3/A | U | 1Q | 3Q | | | | 1Q |
| 39B-2 | 6/B-2 | U | 1Q | 3Q | | | | 1Q |
| 40A | 3/A | U | 1Q | 3Q | | | | 1Q |
| 40B-2 | 6/B-2 | U | 1Q | 3Q | | | | 1Q |
| 43A | 3/A | U | 1Q | 3Q | | | | 1Q |
| 54B-1 | 4/B-1 | U | 1Q | 3Q | | | | 1Q |

(1) U:Upgradient D:Downgradient N:Neither. Neither defined as not directly upgradient nor downgradient of the facility.
(2) Table 4 - Refers to LAC 33:V.3325. Also includes S-triazine herbicides (atrazine, simazine, and propazine-EPA Method 8141A).
(3) Individual Constituent Groups included in Table 4 list (sampling frequency is in addition to Table 4 sampling).
(4) Volatile Organic Constituents (Method 8260B)
(5) Base Neutral/Acid Extractables (Method 8270C)
(6) Priority Pollutant Metals (Total metals)
(7) Pesticides/PCBs (Methods 8081A, 8082, 8141A, 8151A) and S-triazine herbicides (atrazine, simazine, propazine-Method 8141A)
(8) Radionuclides (Gross alpha, Gross beta, Radium). To be performed 1Q every other year (2008) in the Compliance Wells-Upgradient, Compliance Well-Downgradient, and Process Wells. Radionuclide testing not required in the Compliance Point Wells, Corrective Action Wells, and Piezometers.
** Indicates isolated unit
# Indicates monitor well owned by ExxonMobil (formerly PAXON)

# APPENDIX A
# GROUNDWATER SAMPLING AND ANALYSIS PLAN - TABLE VI-1
# COMPLIANCE MONITORING
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC – LAD010395127-P
# CAMERON-COLE, LLC

| Well I.D. | Unit/Zone Monitored | Gradient[1] | Sampling Frequency (1Q: First quarter 3Q: Third Quarter) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Table 4[2] | Individual Constituent Groups[3] | | | | RAD[8] (Biennual) |
| | | | | VOC[4] | BNA[5] | Metals[6] | Pesticides/PCBs[7] | (i.e., every 2 years) |
| **Compliance Wells - Downgradient** | | | | | | | | |
| 3C | 8/C | D | 1Q | 3Q | Constituent groups will be analyzed in 3Q if detected during either of the two previous sampling events. | | | 1Q |
| 4B-2 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| 5B-1 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 6B | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 6B-2R | 8/C | D | 1Q | 3Q | | | | 1Q |
| 6CR | 8/C | D | 1Q | 3Q | | | | 1Q |
| 7A | 3/A | D | 1Q | 3Q | | | | 1Q |
| 7B | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 8A | 3/A | D | 1Q | 3Q | | | | 1Q |
| 8B | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 8C | 8/C | D | 1Q | 3Q | | | | 1Q |
| 9A-W | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 9C-R | 8/C | D | 1Q | 3Q | | | | 1Q |
| 10A-W | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 12A | 3/A | D | 1Q | 3Q | | | | 1Q |
| 13C | 8/C | D | 1Q | 3Q | | | | 1Q |
| 15A | 3/A | D | 1Q | 3Q | | | | 1Q |
| 15B | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 17B-1 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 17B-2 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| 20A | 4/B-1 | D | 1Q | 3Q | | | | 1Q |

(1) U:Upgradient D:Downgradient N:Neither. Neither defined as not directly upgradient nor downgradient of the facility.
(2) Table 4 - Refers to LAC 33:V.3325. Also includes S-triazine herbicides (atrazine, simazine, and propazine-EPA Method 8141A).
(3) Individual Constituent Groups included in Table 4 list (sampling frequency is in addition to Table 4 sampling).
(4) Volatile Organic Constituents (Method 8260B)
(5) Base Neutral/Acid Extractables (Method 8270C)
(6) Priority Pollutant Metals (Total metals)
(7) Pesticides/PCBs (Methods 8081A, 8082, 8141A, 8151A) and S-triazine herbicides (atrazine, simazine, propazine-Method 8141A)
(8) Radionuclides (Gross alpha, Gross beta, Radium). To be performed 1Q every other year (2008) in the Compliance Wells-Upgradient, Compliance Well-Downgradient, and Process Wells. Radionuclide testing not required in the Compliance Point Wells, Corrective Action Wells, and Piezometers.
** Indicates isolated unit
# Indicates monitor well owned by ExxonMobil (formerly PAXON)

# APPENDIX A
# GROUNDWATER SAMPLING AND ANALYSIS PLAN - TABLE VI-1
# COMPLIANCE MONITORING
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC – LAD010395127-P
# CAMERON-COLE, LLC

| Well I.D. | Unit/Zone Monitored | Gradient[1] | Sampling Frequency (1Q: First quarter 3Q: Third Quarter) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Table 4[2] | Individual Constituent Groups[3] | | | | RAD[8] (Biennual) |
| | | | | VOC[4] | BNA[5] | Metals[6] | Pesticides/PCBs[7] | (i.e., every 2 years) |
| 21A | 4/B-1 | D | 1Q | 3Q | Constituent groups will be analyzed in 3Q if detected during either of the two previous sampling events. | | | 1Q |
| 21B-1 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| 22A | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 22A-W | 3/A | D | 1Q | 3Q | | | | 1Q |
| 22B-1 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 23C | 8/C | D | 1Q | 3Q | | | | 1Q |
| 25A | 3/A | D | 1Q | 3Q | | | | 1Q |
| 25B-1 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| 27A | 3/A | D | 1Q | 3Q | | | | 1Q |
| 28A | 3/A | D | 1Q | 3Q | | | | 1Q |
| 28B-1 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| 30B-1 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| 31B-1U | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 31B-1L | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 31B-2 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| 31C | 8/C | D | 1Q | 3Q | | | | 1Q |
| 32A | 3/A | D | 1Q | 3Q | | | | 1Q |
| 32B-1 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 32B-2 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| 34A | 3/A | D | 1Q | 3Q | | | | 1Q |
| 34B-1 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |

(1) U:Upgradient D:Downgradient N:Neither. Neither defined as not directly upgradient nor downgradient of the facility.
(2) Table 4 - Refers to LAC 33:V.3325. Also includes S-triazine herbicides (atrazine, simazine, and propazine-EPA Method 8141A).
(3) Individual Constituent Groups included in Table 4 list (sampling frequency is in addition to Table 4 sampling).
(4) Volatile Organic Constituents (Method 8260B)
(5) Base Neutral/Acid Extractables (Method 8270C)
(6) Priority Pollutant Metals (Total metals)
(7) Pesticides/PCBs (Methods 8081A, 8082, 8141A, 8151A) and S-triazine herbicides (atrazine, simazine, propazine-Method 8141A)
(8) Radionuclides (Gross alpha, Gross beta, Radium). To be performed 1Q every other year (2008) in the Compliance Wells-Upgradient, Compliance Well-Downgradient, and Process Wells. Radionuclide testing not required in the Compliance Point Wells, Corrective Action Wells, and Piezometers.
** Indicates isolated unit
# Indicates monitor well owned by ExxonMobil (formerly PAXON)

# APPENDIX A
# GROUNDWATER SAMPLING AND ANALYSIS PLAN - TABLE VI-1
# COMPLIANCE MONITORING
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC – LAD010395127-P
# CAMERON-COLE, LLC

| Well I.D. | Unit/Zone Monitored | Gradient[1] | Sampling Frequency (1Q: First quarter 3Q: Third Quarter) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Table 4[2] | Individual Constituent Groups[3] | | | | RAD[8] (Biennual) |
| | | | | VOC[4] | BNA[5] | Metals[6] | Pesticides/PCBs[7] | (i.e., every 2 years) |
| 36A | 3/A | D | 1Q | 3Q | Constituents groups will be analyzed in 3Q if detected during either of the two previous sampling events. | | | 1Q |
| 36B-1 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 38A | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 38B-1 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| 41A | 3/A | D | 1Q | 3Q | | | | 1Q |
| 42A | 3/A | D | 1Q | 3Q | | | | 1Q |
| 42B-1 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 46B-1 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 47B-1 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 48A | 3/A | D | 1Q | 3Q | | | | 1Q |
| 49B-2 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| 50B-1 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 51A | 3/A | D | 1Q | 3Q | | | | 1Q |
| 51B-1 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| 52C | 8/C | D | 1Q | 3Q | | | | 1Q |
| 53C | 8/C | D | 1Q | 3Q | | | | 1Q |
| P-26 | ** | D | 1Q | 3Q | | | | 1Q |
| SM-1# | 3/A | D | 1Q | 3Q | | | | 1Q |
| SM-2 | 3/A | D | 1Q | 3Q | | | | 1Q |
| SM-3 | 3/A | D | 1Q | 3Q | | | | 1Q |
| SM-6# | 3/A | D | 1Q | 3Q | | | | 1Q |

(1) U:Upgradient D:Downgradient N:Neither. Neither defined as not directly upgradient nor downgradient of the facility.
(2) Table 4 - Refers to LAC 33:V.3325. Also includes S-triazine herbicides (atrazine, simazine, and propazine-EPA Method 8141A).
(3) Individual Constituent Groups included in Table 4 list (sampling frequency is in addition to Table 4 sampling).
(4) Volatile Organic Constituents (Method 8260B)
(5) Base Neutral/Acid Extractables (Method 8270C)
(6) Priority Pollutant Metals (Total metals)
(7) Pesticides/PCBs (Methods 8081A, 8082, 8141A, 8151A) and S-triazine herbicides (atrazine, simazine, propazine-Method 8141A)
(8) Radionuclides (Gross alpha, Gross beta, Radium). To be performed 1Q every other year (2008) in the Compliance Wells-Upgradient, Compliance Well-Downgradient, and Process Wells. Radionuclide testing not required in the Compliance Point Wells, Corrective Action Wells, and Piezometers.
** Indicates isolated unit
# Indicates monitor well owned by ExxonMobil (formerly PAXON)

# APPENDIX A
# GROUNDWATER SAMPLING AND ANALYSIS PLAN - TABLE VI-1
# COMPLIANCE MONITORING
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC – LAD010395127-P
# CAMERON-COLE, LLC

| Well I.D. | Unit/Zone Monitored | Gradient[1] | Sampling Frequency (1Q: First quarter 3Q: Third Quarter) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Table 4[2] | Individual Constituent Groups[3] | | | | RAD[8] (Biennual) |
| | | | | VOC[4] | BNA[5] | Metals[6] | Pesticides/PCBs[7] | (i.e., every 2 years) |
| SM-7# | 3/A | D | 1Q | 3Q | Constituent groups will be analyzed in 3Q if detected during either of the two previous sampling events. | | | 1Q |
| SM-8# | 3/A | D | 1Q | 3Q | | | | 1Q |
| SM-9# | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| DM-2# | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| DM-3 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| DM-4# | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| DM-5# | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| DM-6# | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| LM-1# | 8/C | D | 1Q | 3Q | | | | 1Q |
| LM-2# | 8/C | D | 1Q | 3Q | | | | 1Q |
| AT-1 | 8/C | D | 1Q | 3Q | | | | 1Q |
| AT-2 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-3 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-4 | 8/C | D | 1Q | 3Q | | | | 1Q |
| AT-7 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-8 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-9 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-10 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-11 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-12R | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-13 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |

(1) U:Upgradient D:Downgradient N:Neither. Neither defined as not directly upgradient nor downgradient of the facility.
(2) Table 4 - Refers to LAC 33:V.3325. Also includes S-triazine herbicides (atrazine, simazine, and propazine-EPA Method 8141A).
(3) Individual Constituent Groups included in Table 4 list (sampling frequency is in addition to Table 4 sampling).
(4) Volatile Organic Constituents (Method 8260B)
(5) Base Neutral/Acid Extractables (Method 8270C)
(6) Priority Pollutant Metals (Total metals)
(7) Pesticides/PCBs (Methods 8081A, 8082, 8141A, 8151A) and S-triazine herbicides (atrazine, simazine, propazine-Method 8141A)
(8) Radionuclides (Gross alpha, Gross beta, Radium). To be performed 1Q every other year (2008) in the Compliance Wells-Upgradient, Compliance Well-Downgradient, and Process Wells. Radionuclide testing not required in the Compliance Point Wells, Corrective Action Wells, and Piezometers.
** Indicates isolated unit
# Indicates monitor well owned by ExxonMobil (formerly PAXON)

# APPENDIX A
# GROUNDWATER SAMPLING AND ANALYSIS PLAN - TABLE VI-1
# COMPLIANCE MONITORING
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC – LAD010395127-P
# CAMERON-COLE, LLC

| Well I.D. | Unit/Zone Monitored | Gradient[1] | Sampling Frequency (1Q: First quarter 3Q: Third Quarter) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Table 4[2] | Individual Constituent Groups[3] | | | | RAD[8] (Biennual) |
| | | | | VOC[4] | BNA[5] | Metals[6] | Pesticides/PCBs[7] | (i.e., every 2 years) |
| AT-14 | 6/B-2 | D | 1Q | 3Q | Constituent groups will be analyzed in 3Q if detected during either one of the two previous sampling events. | | | 1Q |
| AT-15 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-16 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-17 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-18 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| AT-19 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| AT-20 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| AT-21 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-22 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-23 | 8/C | D | 1Q | 3Q | | | | 1Q |
| AT-24 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-25 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-26 | 8/C | D | 1Q | 3Q | | | | 1Q |
| AT-27 | 8/C | D | 1Q | 3Q | | | | 1Q |
| AT-28 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-29 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-30 | 8/C | D | 1Q | 3Q | | | | 1Q |
| AT-31 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| AT-32 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| AT-33 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |

(1) U:Upgradient D:Downgradient N:Neither. Neither defined as not directly upgradient nor downgradient of the facility.
(2) Table 4 - Refers to LAC 33:V.3325. Also includes S-triazine herbicides (atrazine, simazine, and propazine-EPA Method 8141A).
(3) Individual Constituent Groups included in Table 4 list (sampling frequency is in addition to Table 4 sampling).
(4) Volatile Organic Constituents (Method 8260B)
(5) Base Neutral/Acid Extractables (Method 8270C)
(6) Priority Pollutant Metals (Total metals)
(7) Pesticides/PCBs (Methods 8081A, 8082, 8141A, 8151A) and S-triazine herbicides (atrazine, simazine, propazine-Method 8141A)
(8) Radionuclides (Gross alpha, Gross beta, Radium). To be performed 1Q every other year (2008) in the Compliance Wells-Upgradient, Compliance Well-Downgradient, and Process Wells. Radionuclide testing not required in the Compliance Point Wells, Corrective Action Wells, and Piezometers.
** Indicates isolated unit
# Indicates monitor well owned by ExxonMobil (formerly PAXON)

# APPENDIX A
# GROUNDWATER SAMPLING AND ANALYSIS PLAN - TABLE VI-1
# COMPLIANCE MONITORING
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC – LAD010395127-P
# CAMERON-COLE, LLC

| Well I.D. | Unit/Zone Monitored | Gradient[1] | Sampling Frequency (1Q: First quarter 3Q: Third Quarter) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Table 4[2] | Individual Constituent Groups[3] | | | | RAD[8] (Biennual) |
| | | | | VOC[4] | BNA[5] | Metals[6] | Pesticides/PCBs[7] | (i.e., every 2 years) |
| AT-34 | 6/B-2 | D | 1Q | 3Q | Constituent groups will be analyzed in 3Q if detected during either one of the two previous sampling events. | | | 1Q |
| AT-35 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| AT-36 | 4/B-1 | D | 1Q | 3Q | | | | 1Q |
| AT-37 | 6/B-2 | D | 1Q | 3Q | | | | 1Q |
| **Process Wells** | | | | | | | | |
| EB-886 | 600 ft. | N | | 1Q | | 1Q | | 1Q |
| EB-1153 | 1200 ft. | N | | 1Q | | 1Q | | 1Q |
| **Piezometers** | | | | | | | | |
| 4C | 8/C | D | Piezometers used for water level measurements only. NO SAMPLING REQUIRED | | | | | |
| 5A | 4/B-1 | D | | | | | | |
| 6B-2 | 8C | D | | | | | | |
| 6C | 8C | D | | | | | | |
| 13A | 3/A | D | | | | | | |
| 13B | 4/B-1 | D | | | | | | |
| 35B-2 | ** | D | | | | | | |
| SM-4 | 3/A | D | | | | | | |
| SM-5 | 3/A | D | | | | | | |
| AT-5 | 6/B-2 | D | | | | | | |
| AT-6 | 8/C | D | | | | | | |
| PR-1 | 6/B-2 | D | | | | | | |
| OB-21A | 3/A | D | | | | | | |

(1) U:Upgradient D:Downgradient N:Neither. Neither defined as not directly upgradient nor downgradient of the facility.
(2) Table 4 - Refers to LAC 33:V.3325. Also includes S-triazine herbicides (atrazine, simazine, and propazine-EPA Method 8141A).
(3) Individual Constituent Groups included in Table 4 list (sampling frequency is in addition to Table 4 sampling).
(4) Volatile Organic Constituents (Method 8260B)
(5) Base Neutral/Acid Extractables (Method 8270C)
(6) Priority Pollutant Metals (Total metals)
(7) Pesticides/PCBs (Methods 8081A, 8082, 8141A, 8151A) and S-triazine herbicides (atrazine, simazine, propazine-Method 8141A)
(8) Radionuclides (Gross alpha, Gross beta, Radium). To be performed 1Q every other year (2008) in the Compliance Wells-Upgradient, Compliance Well-Downgradient, and Process Wells. Radionuclide testing not required in the Compliance Point Wells, Corrective Action Wells, and Piezometers.
** Indicates isolated unit
# Indicates monitor well owned by ExxonMobil (formerly PAXON)

# APPENDIX A
# GROUNDWATER SAMPLING AND ANALYSIS PLAN - TABLE VI-1
# COMPLIANCE MONITORING
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC – LAD010395127-P
# CAMERON-COLE, LLC

| Well I.D. | Unit/Zone Monitored | Gradient[1] | Sampling Frequency (1Q: First quarter 3Q: Third Quarter) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Table 4[2] | Individual Constituent Groups[3] | | | | RAD[8] (Biennual) |
| | | | | VOC[4] | BNA[5] | Metals[6] | Pesticides/PCBs[7] | (i.e., every 2 years) |
| OB-21B | ** | N | Piezometer used for water level measurements only. NO SAMPLING REQUIRED | | | | | |
| OB-22 | 3/A | D | | | | | | |
| OB-23 | 3/A | D | | | | | | |
| OB-24 | 4/B-1 | D | | | | | | |
| OB-25A | 3/A | N | | | | | | |
| OB-25B | 4/B-1 | N | | | | | | |
| OB-27 | 4/B-1 | N | | | | | | |
| OB-29 | 3/A | D | | | | | | |
| OB-31 | 3/A | D | | | | | | |
| P-21A | ** | N | | | | | | |
| P-22A | ** | N | | | | | | |
| P-23 | 4/B-1 | D | | | | | | |
| P-32 | 3/A | D | | | | | | |
| P-35 | 3/A | D | | | | | | |
| P-36 | 3/A | D | | | | | | |
| P-45 | 4/B-1 | D | | | | | | |
| P-46 | 3/A | N | | | | | | |
| P-47 | 3/A | N | | | | | | |
| P-48 | 3/A | N | | | | | | |
| P-48A | 2 | N | | | | | | |
| P-49 | 3/A | N | | | | | | |

(1) U:Upgradient D:Downgradient N:Neither. Neither defined as not directly upgradient nor downgradient of the facility.
(2) Table 4 - Refers to LAC 33:V.3325. Also includes S-triazine herbicides (atrazine, simazine, and propazine-EPA Method 8141A).
(3) Individual Constituent Groups included in Table 4 list (sampling frequency is in addition to Table 4 sampling).
(4) Volatile Organic Constituents (Method 8260B)
(5) Base Neutral/Acid Extractables (Method 8270C)
(6) Priority Pollutant Metals (Total metals)
(7) Pesticides/PCBs (Methods 8081A, 8082, 8141A, 8151A) and S-triazine herbicides (atrazine, simazine, propazine-Method 8141A)
(8) Radionuclides (Gross alpha, Gross beta, Radium). To be performed 1Q every other year (2008) in the Compliance Wells-Upgradient, Compliance Well-Downgradient, and Process Wells. Radionuclide testing not required in the Compliance Point Wells, Corrective Action Wells, and Piezometers.
** Indicates isolated unit
# Indicates monitor well owned by ExxonMobil (formerly PAXON)

# APPENDIX A
# GROUNDWATER SAMPLING AND ANALYSIS PLAN - TABLE VI-1
# COMPLIANCE MONITORING
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC – LAD010395127-P
# CAMERON-COLE, LLC

| Well I.D. | Unit/Zone Monitored | Gradient[1] | Sampling Frequency (1Q: First quarter 3Q: Third Quarter) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Table 4[2] | Individual Constituent Groups[3] | | | | RAD[8] (Biennual) |
| | | | | VOC[4] | BNA[5] | Metals[6] | Pesticides/PCBs[7] | (i.e., every 2 years) |
| P-49A | 2 | N | Piezometer used for water level measurements only. NO SAMPLING REQUIRED | | | | | |
| P-50 | 3/A | N | | | | | | |
| P-51 | 3/A | N | | | | | | |
| P-52 | 3/A | N | | | | | | |
| P-53 | 3/A | N | | | | | | |
| B-282 | 4/B-1 | U | | | | | | |
| **Corrective Action Wells** | | | | | | | | |
| I-1 | 6/B-2 | D | Corrective Action Wells Used for Ground Water Recovery | | | | | |
| I-1R | 6/B-2 | D | | | | | | |
| I-2 | 3/A | D | | | | | | |
| I-2R | 3/A | D | | | | | | |
| I-3 | 4/B-1 | D | | | | | | |
| I-4 | 6/B-2 | D | | | | | | |
| I-5 | 3/4, A/B-1 | D | | | | | | |
| I-6 | 6/B-2 | D | | | | | | |
| I-7 | 4/B-1 | D | | | | | | |
| I-8 | 4/B-1 | D | | | | | | |
| I-9 | 4/B-1 | D | | | | | | |
| I-10 | 3/4, A/B-1 | D | | | | | | |
| I-11 | 3/4, A/B-1 | D | | | | | | |
| I-12 | 3/4, A/B-1 | D | | | | | | |
| I-13 | 3/4, A/B-1 | D | | | | | | |

(1) U:Upgradient D:Downgradient N:Neither. Neither defined as not directly upgradient nor downgradient of the facility.
(2) Table 4 - Refers to LAC 33:V.3325. Also includes S-triazine herbicides (atrazine, simazine, and propazine-EPA Method 8141A).
(3) Individual Constituent Groups included in Table 4 list (sampling frequency is in addition to Table 4 sampling).
(4) Volatile Organic Constituents (Method 8260B)
(5) Base Neutral/Acid Extractables (Method 8270C)
(6) Priority Pollutant Metals (Total metals)
(7) Pesticides/PCBs (Methods 8081A, 8082, 8141A, 8151A) and S-triazine herbicides (atrazine, simazine, propazine-Method 8141A)
(8) Radionuclides (Gross alpha, Gross beta, Radium). To be performed 1Q every other year (2008) in the Compliance Wells-Upgradient, Compliance Well-Downgradient, and Process Wells. Radionuclide testing not required in the Compliance Point Wells, Corrective Action Wells, and Piezometers.
** Indicates isolated unit
# Indicates monitor well owned by ExxonMobil (formerly PAXON)

# APPENDIX A
# GROUNDWATER SAMPLING AND ANALYSIS PLAN - TABLE VI-1
# COMPLIANCE MONITORING
# 2007 ANNUAL GROUNDWATER MONITORING REPORT
# CLEAN HARBORS BATON ROUGE, LLC – LAD010395127-P
# CAMERON-COLE, LLC

| Well I.D. | Unit/Zone Monitored | Gradient[1] | Sampling Frequency (1Q: First quarter 3Q: Third Quarter) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Table 4[2] | Individual Constituent Groups[3] | | | | RAD[8] (Biennual) |
| | | | | VOC[4] | BNA[5] | Metals[6] | Pesticides/PCBs[7] | (i.e., every 2 years) |
| R-1 | 6/B-2 | D | Corrective Action Wells Used for Ground Water Recovery | | | | | |
| PR-1B | 6/B-2 | D | | | | | | |
| R-2 | 6/B-2 | D | | | | | | |
| R-3 | 6/B-2 | D | | | | | | |
| R-4 | 6/B-2 | D | | | | | | |
| R-5 | 3/4, A/B-1 | D | | | | | | |
| 29A | 4/B-1 | D | | | | | | |
| 30A | 4/B-1 | D | | | | | | |

(1) U:Upgradient D:Downgradient N:Neither. Neither defined as not directly upgradient nor downgradient of the facility.
(2) Table 4 - Refers to LAC 33:V.3325. Also includes S-triazine herbicides (atrazine, simazine, and propazine-EPA Method 8141A).
(3) Individual Constituent Groups included in Table 4 list (sampling frequency is in addition to Table 4 sampling).
(4) Volatile Organic Constituents (Method 8260B)
(5) Base Neutral/Acid Extractables (Method 8270C)
(6) Priority Pollutant Metals (Total metals)
(7) Pesticides/PCBs (Methods 8081A, 8082, 8141A, 8151A) and S-triazine herbicides (atrazine, simazine, propazine-Method 8141A)
(8) Radionuclides (Gross alpha, Gross beta, Radium). To be performed 1Q every other year (2008) in the Compliance Wells-Upgradient, Compliance Well-Downgradient, and Process Wells. Radionuclide testing not required in the Compliance Point Wells, Corrective Action Wells, and Piezometers.
** Indicates isolated unit
# Indicates monitor well owned by ExxonMobil (formerly PAXON)

# APPENDIX B

# SAMPLE ANALYTICAL DATA SHEETS

**2007 ANNUAL GROUNDWATER REPORT**

**CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P**

**CAMERON-COLE, LLC**

# APPENDIX B
# SAMPLE ANALYTICAL DATA SHEETS

Examples of the laboratory data sheets generated during this reporting period are provided herein. Sheets are included for Test America Laboratory (formerly Test Severn Trent Laboratories) used during 2007, an LDEQ Accredited Laboratory (LDEQ Laboratory Accreditation Number 02096). These sheets list all the constituents analyzed during this reporting period and are divided into the following groupings:

- volatile organics;
- semivolatile organics or base-neutral/acid extractables;
- chlorinated pesticides/PCBs;
- organophosphorus pesticides;
- herbicides;
- inorganics;
- cyanide/sulfide.

These constituents correspond to the compounds required by the Facility's Final Modified Operating Permit LAD010395127-P, and Post-Closure Permits LAD010395127-PC-1, LAD010395127-PC-2 and LAD010395127-PC-3. These compounds are similar to those originally listed in the Facility's 1993 Groundwater Sampling & Analysis Plan submitted to LDEQ in April 1993, as last updated in February 1997 as part of the 1996 Annual Groundwater Report submittal (Aquaterra, 1996).

The analytical data sheets detail detected concentrations, non-detected concentrations, and method detection limits for each compound as applicable. The method detection limits are specific to each analytical method. The methods used in analyzing groundwater samples from the Facility monitoring wells during this reporting period are approved EPA SW-846 Methods (i.e., 8260B, 8270C, 8141A, 8151A, 8081A, etc.). These methods are detailed in the 1993 Groundwater Sampling & Analysis Plan. The laboratory data sheets generated during this reporting period are on file at the Facility.

**CLEAN HARBORS BATON ROUGE**

**Client Sample ID:**

**Volatile Organics, GC/MS (8260B) - Unpreserved**

**Lot-Sample #...:** **Work Order #...:** **Matrix.....:** WATER

**Date Sampled...:** **Date Received..:**

**Prep Date.....:** **Analysis Date..:**

**Prep Batch #...:** **Instrument.....:**

**Dilution Factor:**

| PARAMETER | CAS # | RESULT | | REPORTING LIMIT | UNITS |
|---|---|---|---|---|---|
| Acetone | 67-64-1 | ND | | 0.010 | mg/L |
| Acetonitrile | 75-05-8 | ND | | 0.10 | mg/L |
| Acrolein | 107-02-8 | ND | | 0.050 | mg/L |
| Acrylonitrile | 107-13-1 | ND | | 0.050 | mg/L |
| Benzene | 71-43-2 | ND | | 0.0050 | mg/L |
| Bromodichloromethane | 75-27-4 | ND | | 0.0050 | mg/L |
| Bromoform | 75-25-2 | ND | | 0.0050 | mg/L |
| Bromomethane | 74-83-9 | ND | | 0.010 | mg/L |
| 2-Butanone (MEK) | 78-93-3 | ND | | 0.10 | mg/L |
| Carbon disulfide | 75-15-0 | ND | | 0.0050 | mg/L |
| Carbon tetrachloride | 56-23-5 | ND | | 0.0050 | mg/L |
| Chlorobenzene | 108-90-7 | ND | | 0.0050 | mg/L |
| Chloroprene | 126-99-8 | ND | | 0.0050 | mg/L |
| Chlorodibromomethane | 124-48-1 | ND | | 0.0050 | mg/L |
| Chloroethane | 75-00-3 | ND | | 0.010 | mg/L |
| Chloroform | 67-66-3 | ND | | 0.0050 | mg/L |
| Chloromethane | 74-87-3 | ND | | 0.010 | mg/L |
| Allyl chloride | 107-05-1 | ND | | 0.10 | mg/L |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | ND | | 0.0050 | mg/L |
| 1,2-Dibromoethane (EDB) | 106-93-4 | ND | | 0.0050 | mg/L |
| Dibromomethane | 74-95-3 | ND | | 0.0050 | mg/L |
| trans-1,4-Dichloro-2-butene | 110-57-6 | ND | | 0.0050 | mg/L |
| Dichlorodifluoromethane | 75-71-8 | ND | | 0.0050 | mg/L |
| 1,1-Dichloroethane | 75-34-3 | ND | | 0.0050 | mg/L |
| 1,2-Dichloroethane | 107-06-2 | ND | | 0.0050 | mg/L |
| 1,1-Dichloroethene | 75-35-4 | ND | | 0.0050 | mg/L |
| 1,2-Dichloroethene (total) | 540-59-0 | ND | | 0.0050 | mg/L |
| 1,2-Dichloropropane | 78-87-5 | ND | | 0.0050 | mg/L |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | | 0.0050 | mg/L |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | | 0.0050 | mg/L |
| 1,4-Dioxane | 123-91-1 | ND | | 0.30 | mg/L |
| Ethylbenzene | 100-41-4 | ND | | 0.0050 | mg/L |
| Ethyl methacrylate | 97-63-2 | ND | | 0.050 | mg/L |
| 2-Hexanone | 591-78-6 | ND | | 0.050 | mg/L |
| Iodomethane | 74-88-4 | ND | | 0.0050 | mg/L |
| Isobutyl alcohol | 78-83-1 | ND | | 0.10 | mg/L |
| Methacrylonitrile | 126-98-7 | ND | | 0.0050 | mg/L |
| **Methylene chloride** | **75-09-2** | **0.00025** | **J** | **0.0050** | **mg/L** |
| Methyl methacrylate | 80-62-6 | ND | | 0.0050 | mg/L |
| 4-Methyl-2-pentanone | 108-10-1 | ND | | 0.050 | mg/L |
| Propionitrile | 107-12-0 | ND | | 0.10 | mg/L |
| Styrene | 100-42-5 | ND | | 0.0050 | mg/L |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | ND | | 0.0050 | mg/L |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | | 0.0050 | mg/L |
| Tetrachloroethene | 127-18-4 | ND | | 0.0050 | mg/L |
| Toluene | 108-88-3 | ND | | 0.0050 | mg/L |

CLEAN HARBORS BATON ROUGE

Client Sample ID:

## Volatile Organics, GC/MS (8260B) - Unpreserved

Lot-Sample #...: Work Order #...: Matrix.....: WATER

Date Sampled...: Date Received..:

Prep Date.....: Analysis Date..:

Prep Batch #...: Instrument.....:

Dilution Factor:

| PARAMETER | CAS # | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|---|
| 1,1,1-Trichloroethane | 71-55-6 | ND | 0.0050 | mg/L |
| 1,1,2-Trichloroethane | 79-00-5 | ND | 0.0050 | mg/L |
| Trichloroethene | 79-01-6 | ND | 0.0050 | mg/L |
| Trichlorofluoromethane | 75-69-4 | ND | 0.0050 | mg/L |
| 1,2,3-Trichloropropane | 96-18-4 | ND | 0.0050 | mg/L |
| Vinyl acetate | 108-05-4 | ND | 0.0050 | mg/L |
| Vinyl chloride | 75-01-4 | ND | 0.010 | mg/L |
| Xylenes (total) | 1330-20-7 | ND | 0.0050 | mg/L |

| SURROGATE | CAS # | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|---|
| 4-Bromofluorobenzene | 460-00-4 | 93 | 74 - 114 |
| Dibromofluoromethane | 1868-53-7 | 95 | 76 - 116 |
| 1,2-Dichloroethane-d4 | 17060-07-0 | 93 | 59 - 129 |
| Toluene-d8 | 2037-26-5 | 92 | 76 - 116 |

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | | RETENTION TIME | UNITS |
|---|---|---|---|---|---|
| Acetic acid, 2-ethylhexyl este | 103-09-3 | 0.031 | J | 15.764 | mg/L |
| Unknown | | 0.0082 | J | 14.976 | mg/L |
| Unknown | | 0.012 | J | 17.351 | mg/L |
| Unknown | | 0.0025 | J | 18.089 | mg/L |

NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

J Estimated result. Result is less than RL.

CLEAN HARBORS BATON ROUGE

Client Sample ID:

Base/Neutrals and Acids (8270C)

Lot-Sample #...: Work Order #...: Matrix.....: WATER

Date Sampled...: Date Received..:

Prep Date.....: Analysis Date..:

Prep Batch #...: Instrument.....:

Dilution Factor:

| PARAMETER | CAS # | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|---|
| Acenaphthene | 83-32-9 | ND | 0.010 | mg/L |
| Acenaphthylene | 208-96-8 | ND | 0.010 | mg/L |
| Acetophenone | 98-86-2 | ND | 0.010 | mg/L |
| 2-Acetylaminofluorene | 53-96-3 | ND | 0.010 | mg/L |
| 4-Aminobiphenyl | 92-67-1 | ND | 0.012 | mg/L |
| Aniline | 62-53-3 | ND | 0.010 | mg/L |
| Anthracene | 120-12-7 | ND | 0.010 | mg/L |
| Aramite | 140-57-8 | ND | 0.010 | mg/L |
| Benzo(a)anthracene | 56-55-3 | ND | 0.010 | mg/L |
| Benzo(b)fluoranthene | 205-99-2 | ND | 0.010 | mg/L |
| Benzo(k)fluoranthene | 207-08-9 | ND | 0.010 | mg/L |
| Benzo(ghi)perylene | 191-24-2 | ND | 0.010 | mg/L |
| Benzo(a)pyrene | 50-32-8 | ND | 0.010 | mg/L |
| Benzyl alcohol | 100-51-6 | ND | 0.010 | mg/L |
| bis(2-Chloroethoxy)methane | 111-91-1 | ND | 0.010 | mg/L |
| bis(2-Chloroethyl) ether | 111-44-4 | ND | 0.010 | mg/L |
| bis(2-Chloroisopropyl) ether | 108-60-1 | ND | 0.010 | mg/L |
| bis(2-Ethylhexyl) phthalate | 117-81-7 | ND | 0.010 | mg/L |
| 4-Bromophenyl phenyl ether | 101-55-3 | ND | 0.010 | mg/L |
| Butyl benzyl phthalate | 85-68-7 | ND | 0.010 | mg/L |
| 4-Chloroaniline | 106-47-8 | ND | 0.020 | mg/L |
| Chlorobenzilate | 510-15-6 | ND | 0.010 | mg/L |
| 4-Chloro-3-methylphenol | 59-50-7 | ND | 0.020 | mg/L |
| 2-Chloronaphthalene | 91-58-7 | ND | 0.010 | mg/L |
| 2-Chlorophenol | 95-57-8 | ND | 0.010 | mg/L |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | ND | 0.010 | mg/L |
| Chrysene | 218-01-9 | ND | 0.010 | mg/L |
| Diallate | 2303-16-4 | ND | 0.010 | mg/L |
| Dibenz(a,h)anthracene | 53-70-3 | ND | 0.010 | mg/L |
| Dibenzofuran | 132-64-9 | ND | 0.010 | mg/L |
| Di-n-butyl phthalate | 84-74-2 | ND | 0.010 | mg/L |
| 1,2-Dichlorobenzene | 95-50-1 | ND | 0.010 | mg/L |
| 1,3-Dichlorobenzene | 541-73-1 | ND | 0.010 | mg/L |
| 1,4-Dichlorobenzene | 106-46-7 | ND | 0.010 | mg/L |
| 3,3'-Dichlorobenzidine | 91-94-1 | ND | 0.020 | mg/L |
| 2,4-Dichlorophenol | 120-83-2 | ND | 0.010 | mg/L |
| 2,6-Dichlorophenol | 87-65-0 | ND | 0.010 | mg/L |
| Diethyl phthalate | 84-66-2 | ND | 0.010 | mg/L |
| Dimethoate | 60-51-5 | ND | 0.010 | mg/L |
| 4-Dimethylaminoazobenzene | 60-11-7 | ND | 0.010 | mg/L |
| 7,12-Dimethylbenz(a)anthracene | 57-97-6 | ND | 0.40 | mg/L |
| 3,3'-Dimethylbenzidine | 119-93-7 | ND | 0.040 | mg/L |
| alpha,alpha-Dimethylphenethylamine | 122-09-8 | ND | 0.10 | mg/L |
| 2,4-Dimethylphenol | 105-67-9 | ND | 0.010 | mg/L |
| Dimethyl phthalate | 131-11-3 | ND | 0.010 | mg/L |
| 1,3-Dinitrobenzene | 99-65-0 | ND | 0.010 | mg/L |

CLEAN HARBORS BATON ROUGE

Client Sample ID:

Base/Neutrals and Acids (8270C)

Lot-Sample #...: Work Order #...: Matrix.....: WATER

Date Sampled...: Date Received..:

Prep Date.....: Analysis Date..:

Prep Batch #...: Instrument.....:

Dilution Factor:

| PARAMETER | CAS # | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | ND | 0.050 | mg/L |
| 2,4-Dinitrophenol | 51-28-5 | ND | 0.050 | mg/L |
| 2,4-Dinitrotoluene | 121-14-2 | ND | 0.010 | mg/L |
| 2,6-Dinitrotoluene | 606-20-2 | ND | 0.010 | mg/L |
| Dinoseb | 88-85-7 | ND | 0.020 | mg/L |
| Di-n-octyl phthalate | 117-84-0 | ND | 0.010 | mg/L |
| Diphenylamine | 122-39-4 | ND | 0.010 | mg/L |
| Ethyl methanesulfonate | 62-50-0 | ND | 0.010 | mg/L |
| Fluoranthene | 206-44-0 | ND | 0.010 | mg/L |
| Fluorene | 86-73-7 | ND | 0.010 | mg/L |
| Hexachlorobenzene | 118-74-1 | ND | 0.010 | mg/L |
| Hexachlorobutadiene | 87-68-3 | ND | 0.010 | mg/L |
| Hexachlorocyclopentadiene | 77-47-4 | ND | 0.010 | mg/L |
| Hexachloroethane | 67-72-1 | ND | 0.010 | mg/L |
| Hexachlorophene | 70-30-4 | ND | 0.30 | mg/L |
| Hexachloropropene | 1888-71-7 | ND | 0.080 | mg/L |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | ND | 0.010 | mg/L |
| Isophorone | 78-59-1 | ND | 0.010 | mg/L |
| Isosafrole | 120-58-1 | ND | 0.010 | mg/L |
| Methapyrilene | 91-80-5 | ND | 0.030 | mg/L |
| 3-Methylcholanthrene | 56-49-5 | ND | 0.080 | mg/L |
| Methyl methanesulfonate | 66-27-3 | ND | 0.040 | mg/L |
| 2-Methylnaphthalene | 91-57-6 | ND | 0.010 | mg/L |
| 2-Methylphenol | 95-48-7 | ND | 0.010 | mg/L |
| 3-Methylphenol | 108-39-4 | ND | 0.010 | mg/L |
| 4-Methylphenol | 106-44-5 | ND | 0.010 | mg/L |
| Naphthalene | 91-20-3 | ND | 0.010 | mg/L |
| 1,4-Naphthoquinone | 130-15-4 | ND | 0.010 | mg/L |
| 1-Naphthylamine | 134-32-7 | ND | 0.010 | mg/L |
| 2-Naphthylamine | 91-59-8 | ND | 0.010 | mg/L |
| 2-Nitroaniline | 88-74-4 | ND | 0.050 | mg/L |
| 3-Nitroaniline | 99-09-2 | ND | 0.050 | mg/L |
| 4-Nitroaniline | 100-01-6 | ND | 0.050 | mg/L |
| Nitrobenzene | 98-95-3 | ND | 0.010 | mg/L |
| 2-Nitrophenol | 88-75-5 | ND | 0.010 | mg/L |
| 4-Nitrophenol | 100-02-7 | ND | 0.050 | mg/L |
| Nitroquinoline-1-oxide | 56-57-5 | ND | 0.052 | mg/L |
| N-Nitrosodi-n-butylamine | 924-16-3 | ND | 0.010 | mg/L |
| N-Nitrosodiethylamine | 55-18-5 | ND | 0.010 | mg/L |
| N-Nitrosodimethylamine | 62-75-9 | ND | 0.010 | mg/L |
| N-Nitrosodiphenylamine | 86-30-6 | ND | 0.010 | mg/L |
| N-Nitrosodi-n-propylamine | 621-64-7 | ND | 0.010 | mg/L |
| N-Nitrosomethylethylamine | 10595-95-6 | ND | 0.010 | mg/L |
| N-Nitrosomorpholine | 59-89-2 | ND | 0.010 | mg/L |
| N-Nitrosopiperidine | 100-75-4 | ND | 0.010 | mg/L |
| N-Nitrosopyrrolidine | 930-55-2 | ND | 0.010 | mg/L |

CLEAN HARBORS BATON ROUGE

Client Sample ID:

Base/Neutrals and Acids (8270C)

Lot-Sample #...: Work Order #...: Matrix.....: WATER

Date Sampled...: Date Received..:

Prep Date.....: Analysis Date..:

Prep Batch #...: Instrument.....:

Dilution Factor:

| PARAMETER | CAS # | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|---|
| 5-Nitro-o-toluidine | 99-55-8 | ND | 0.010 | mg/L |
| Pentachlorobenzene | 608-93-5 | ND | 0.010 | mg/L |
| Pentachloroethane | 76-01-7 | ND | 0.010 | mg/L |
| Pentachloronitrobenzene | 82-68-8 | ND | 0.010 | mg/L |
| Pentachlorophenol | 87-86-5 | ND | 0.050 | mg/L |
| Phenacetin | 62-44-2 | ND | 0.010 | mg/L |
| Phenanthrene | 85-01-8 | ND | 0.010 | mg/L |
| Phenol | 108-95-2 | ND | 0.010 | mg/L |
| 4-Phenylenediamine | 106-50-3 | ND | 0.040 | mg/L |
| 2-Picoline | 109-06-8 | ND | 0.080 | mg/L |
| Pronamide | 23950-58-5 | ND | 0.080 | mg/L |
| Pyrene | 129-00-0 | ND | 0.010 | mg/L |
| Pyridine | 110-86-1 | ND | 0.13 | mg/L |
| Safrole | 94-59-7 | ND | 0.010 | mg/L |
| Sulfotepp | 3689-24-5 | ND | 0.010 | mg/L |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | ND | 0.010 | mg/L |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | ND | 0.010 | mg/L |
| o-Toluidine | 95-53-4 | ND | 0.010 | mg/L |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | 0.010 | mg/L |
| 2,4,5-Trichlorophenol | 95-95-4 | ND | 0.010 | mg/L |
| 2,4,6-Trichlorophenol | 88-06-2 | ND | 0.010 | mg/L |
| O,O,O-Triethyl phosphorothioate | 126-68-1 | ND | 0.010 | mg/L |
| 1,3,5-Trinitrobenzene | 99-35-4 | ND | 0.010 | mg/L |

| SURROGATE | CAS # | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|---|
| 2-Fluorobiphenyl | 321-60-8 | 51 | 31 - 105 |
| 2-Fluorophenol | 367-12-4 | 76 | 32 - 116 |
| Nitrobenzene-d5 | 4165-60-0 | 68 | 53 - 107 |
| Phenol-d5 | 4165-62-2 | 75 | 40 - 111 |
| Terphenyl-d14 | 1718-51-0 | 77 | 21 - 125 |
| 2,4,6-Tribromophenol | 118-79-6 | 72 | 42 - 122 |

CLEAN HARBORS BATON ROUGE

Client Sample ID:

Base/Neutrals and Acids (8270C)

Lot-Sample #...: Work Order #...: Matrix.....: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | | RETENTION TIME | UNITS |
|---|---|---|---|---|---|
| Hexachlorodibenzo-p-dioxin | | ND | ND | | mg/L |
| Hexachlorodibenzofurans | | ND | ND | | mg/L |
| Pentachlorodibenzo-p-dioxin | | ND | ND | | mg/L |
| Pentachlorodibenzofurans | | ND | ND | | mg/L |
| Tetrachlorodibenzo-p-dioxin | | ND | ND | | mg/L |
| Tetrachlorodibenzofurans | | ND | ND | | mg/L |
| Unknown | | 0.0077 | J | 11.693 | mg/L |
| Unknown | | 0.0056 | J | 12.153 | mg/L |
| Unknown | | 0.0063 | J | 12.57 | mg/L |
| Unknown | | 0.0063 | J | 13.014 | mg/L |
| Unknown | | 0.0097 | J | 13.752 | mg/L |
| Unknown | | 0.0043 | J | 14.249 | mg/L |
| Unknown | | 0.0084 | J | 14.752 | mg/L |
| Unknown | | 0.0056 | J | 14.933 | mg/L |
| Unknown | | 0.0056 | J | 16.024 | mg/L |
| Unknown | | 0.0072 | J | 16.815 | mg/L |

NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

J Estimated result. Result is less than RL.

CLEAN HARBORS BATON ROUGE

Client Sample ID:

Pesticides (8081A)

Lot-Sample #...: Work Order #...: Matrix.....: WATER

Date Sampled...: Date Received..:

Prep Date.....: Analysis Date..:

Prep Batch #...: Instrument.....:

Dilution Factor:

| PARAMETER | CAS # | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|---|
| Aldrin | 309-00-2 | ND | 0.050 | ug/L |
| alpha-BHC | 319-84-6 | ND | 0.050 | ug/L |
| beta-BHC | 319-85-7 | ND | 0.050 | ug/L |
| delta-BHC | 319-86-8 | ND | 0.050 | ug/L |
| gamma-BHC (Lindane) | 58-89-9 | ND | 0.050 | ug/L |
| Chlordane (technical) | 57-74-9 | ND | 0.50 | ug/L |
| 4,4'-DDD | 72-54-8 | ND | 0.10 | ug/L |
| 4,4'-DDE | 72-55-9 | ND | 0.10 | ug/L |
| 4,4'-DDT | 50-29-3 | ND | 0.10 | ug/L |
| Dieldrin | 60-57-1 | ND | 0.10 | ug/L |
| Endosulfan I | 959-98-8 | ND | 0.050 | ug/L |
| Endosulfan II | 33213-65-9 | ND | 0.10 | ug/L |
| Endosulfan sulfate | 1031-07-8 | ND | 0.10 | ug/L |
| Endrin | 72-20-8 | ND | 0.10 | ug/L |
| Endrin aldehyde | 7421-93-4 | ND | 0.10 | ug/L |
| Heptachlor | 76-44-8 | ND | 0.050 | ug/L |
| Heptachlor epoxide | 1024-57-3 | ND | 0.050 | ug/L |
| Isodrin | 465-73-6 | ND | 0.050 | ug/L |
| Kepone | 143-50-0 | ND | 0.20 | ug/L |
| Methoxychlor | 72-43-5 | ND | 0.50 | ug/L |
| Toxaphene | 8001-35-2 | ND | 1.0 | ug/L |

| SURROGATE | CAS # | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|---|
| Decachlorobiphenyl | 2051-24-3 | 104 | 12 - 153 |
| Tetrachloro-m-xylene | 877-09-8 | 98 | 55 - 113 |

NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

CLEAN HARBORS BATON ROUGE

Client Sample ID:

PCBs (8082)

Lot-Sample #...: Work Order #...: Matrix.....: WATER

Date Sampled...: Date Received..:

Prep Date.....: Analysis Date..:

Prep Batch #...: Instrument.....:

Dilution Factor:

| PARAMETER | CAS # | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | ND | 0.50 | ug/L |
| Aroclor 1221 | 11104-28-2 | ND | 0.50 | ug/L |
| Aroclor 1232 | 11141-16-5 | ND | 0.50 | ug/L |
| Aroclor 1242 | 53469-21-9 | ND | 0.50 | ug/L |
| Aroclor 1248 | 12672-29-6 | ND | 0.50 | ug/L |
| Aroclor 1254 | 11097-69-1 | ND | 0.50 | ug/L |
| Aroclor 1260 | 11096-82-5 | ND | 0.50 | ug/L |

| SURROGATE | CAS # | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|---|
| Decachlorobiphenyl | 2051-24-3 | 85 | 41 - 138 |
| Tetrachloro-m-xylene | 877-09-8 | 95 | 51 - 122 |

NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

CLEAN HARBORS BATON ROUGE

Client Sample ID:

Compounds, Organophosphorus (8141A)

Lot-Sample #...: Work Order #...: Matrix.....: WATER

Date Sampled...: Date Received..:

Prep Date.....: Analysis Date..:

Prep Batch #...: Instrument.....:

Dilution Factor:

| PARAMETER | CAS # | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|---|
| Anilazine | 101-05-3 | ND | 10 | ug/L |
| Atrazine | 1912-24-9 | ND | 10 | ug/L |
| Disulfoton | 298-04-4 | ND | 2.0 | ug/L |
| Famphur | 52-85-7 | ND | 10 | ug/L |
| Methyl parathion | 298-00-0 | ND | 10 | ug/L |
| Ethyl parathion | 56-38-2 | ND | 10 | ug/L |
| Phorate | 298-02-2 | ND | 2.0 | ug/L |
| Propazine | 139-40-2 | ND | 10 | ug/L |
| Simazine | 122-34-9 | ND | 10 | ug/L |
| Thionazin | 297-97-2 | ND | 10 | ug/L |

| SURROGATE | CAS # | PERCENT RECOVERY | | RECOVERY LIMITS |
|---|---|---|---|---|
| Chlormefos | 24934-91-6 | 1530 | * | 48 - 114 |
| Ethyl Pirimifos | 23505-41-1 | 68 | | 68 - 98 |

NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

* Surrogate recovery is outside stated control limits.

CLEAN HARBORS BATON ROUGE

Client Sample ID:

Herbicides (8151A)

Lot-Sample #...:
Work Order #...:
Matrix.....: WATER

Date Sampled...:
Date Received..:

Prep Date.....:
Analysis Date..:

Prep Batch #...:
Instrument.....:

Dilution Factor:

| PARAMETER | CAS # | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|---|
| 2,4-D | 94-75-7 | ND | 0.50 | ug/L |
| 2,4,5-TP (Silvex) | 93-72-1 | ND | 0.20 | ug/L |
| 2,4,5-T | 93-76-5 | ND | 0.10 | ug/L |

| SURROGATE | CAS # | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|---|
| DCAA | 19719-28-9 | 94 | 39 - 135 |

NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

CLEAN HARBORS BATON ROUGE

Client Sample ID:

TOTAL Metals

Lot-Sample #...:

Matrix.....: WATER

Date Sampled...:

Date Received..:

| PARAMETER | CAS # | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | DIL. |
|---|---|---|---|---|---|---|---|
| **Prep Batch #...:** | | | | | | | |
| Mercury | 7439-97-6 | ND | 0.0020 | mg/L | SW846 7470A | | 1 |

NOTE(S):

Calculations are performed before rounding to avoid roundoff errors in calculated results

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Prep Batch #...:** | 4085649 | | | | | | |
| Antimony | 7440-36-0 | ND | 0.30 | mg/L | SW846 6010B | 3/31/2004 | 1 |
| Arsenic | 7440-38-2 | ND | 0.020 | mg/L | SW846 6010B | 3/31/2004 | 1 |
| Lead | 7439-92-1 | ND | 0.040 | mg/L | SW846 6010B | 3/31/2004 | 1 |
| Selenium | 7782-49-2 | ND | 0.0050 | mg/L | SW846 6010B | 3/31/2004 | 1 |
| Silver | 7440-22-4 | ND | 0.050 | mg/L | SW846 6010B | 3/31/2004 | 1 |
| Thallium | 7440-28-0 | ND | 0.40 | mg/L | SW846 6010B | 3/31/2004 | 1 |
| Tin | 7440-31-5 | ND | 8.0 | mg/L | SW846 6010B | 3/31/2004 | 1 |
| Cadmium | 7440-43-9 | ND | 0.0050 | mg/L | SW846 6010B | 3/31/2004 | 1 |
| Cobalt | 7440-48-4 | ND | 0.070 | mg/L | SW846 6010B | 3/31/2004 | 1 |
| **Barium** | **7440-39-3** | **0.45** | **0.020** | **mg/L** | **SW846 6010B** | **3/31/2004** | **1** |
| Nickel | 7440-02-0 | ND | 0.050 | mg/L | SW846 6010B | 3/31/2004 | 1 |
| Beryllium | 7440-41-7 | ND | 0.010 | mg/L | SW846 6010B | 3/31/2004 | 1 |
| Vanadium | 7440-62-2 | ND | 0.080 | mg/L | SW846 6010B | 3/31/2004 | 1 |
| Zinc | 7440-66-6 | ND | 0.020 | mg/L | SW846 6010B | 3/31/2004 | 1 |
| Chromium | 7440-47-3 | ND | 0.020 | mg/L | SW846 6010B | 3/31/2004 | 1 |
| Copper | 7440-50-8 | ND | 0.060 | mg/L | SW846 6010B | 3/31/2004 | 1 |

NOTE(S):

Calculations are performed before rounding to avoid roundoff errors in calculated results

CLEAN HARBORS BATON ROUGE

Client Sample ID:

General Chemistry

Lot-Sample #...: Matrix.....: WATER

Date Sampled...: Date Received..:

| PARAMETER | CAS # | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | DIL. |
|---|---|---|---|---|---|---|---|
| **Prep Batch #...:** | | | | | | | |
| Total Sulfide | Q608 | ND | 1.0 | mg/L | SW846 9030B/90 | | 1 |

NOTE(S):

Calculations are performed before rounding to avoid roundoff errors in calculated results

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Prep Batch #...:** | | | | | | | |
| Cyanide, Total | 57-12-5 | ND | 0.010 | mg/L | SW846 9012A | | 1 |

NOTE(S):

Calculations are performed before rounding to avoid roundoff errors in calculated results

# APPENDIX C

# REGULATORY CORRESPONDENCE SUMMARY

**2007 ANNUAL GROUNDWATER REPORT**

**CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P**

**CAMERON-COLE, LLC**

# CLEAN HARBORS BATON ROUGE, LLC
## LDEQ CHRONOLOGICAL CORRESPONDENCE LOG
## JANUARY 1, 2007 THRU DECEMBER 31, 2007

**LDEQ(RSD) = Remediation Services Division**
**LDEQ(OEA) = Office of Environmental Assessment**
**LDEQ(ETD) = Environmental Technology Division**
**LDEQ(ED) = Enforcement Division**
**JCA = John Arbuthnot** **CH = Clean Harbors**
**EPA = Environmental Protection Agency Region VI**
**LDEQ(EAD) = Environmental Assistance Division**
**LDEQ(OES) = Office of Environmental Services**

| SECTION | DATE | TO | FROM | SUBJECT |
|---|---|---|---|---|
| LDEQ(RSD) | 1/22/2007 | Keith Casanova<br>LDEQ | JCA<br>CH | Progress Report - December 1 thru December 31, 2006 |
| LDEQ(RSD) | 2/15/2007 | Keith Casanova<br>LDEQ | JCA<br>CH | Progress Report - January 1 thru January 31, 2007 |
| LDEQ(ETD) | 2/21/2007 | JCA<br>CH | R. Frischertz<br>LDEQ | Notification of New Team Leader |
| LDEQ(RSD) | 3/1/2007 | Keith Casanova<br>LDEQ | JCA<br>CH | Submittal of 2006 Annual Groundwater Monitoring Report |
| LDEQ(RSD) | 3/7/2007 | Keith Casanova<br>LDEQ | JCA<br>CH | Progress Report - February 1 thru February 28, 2007 |
| LDEQ(RSD) | 4/13/2007 | Keith Casanova<br>LDEQ | JCA<br>CH | Progress Report - March 1 thru March 31, 2007. |
| LDEQ(RSD) | 5/15/2007 | Keith Casanova<br>LDEQ | JCA<br>CH | Progress Report - April 1 thru April 30, 2007 |
| LDEQ(RSD) | 6/18/2007 | Keith Casanova<br>LDEQ | JCA<br>CH | Progress Report - May 1 thru May 31, 2007 |

# CLEAN HARBORS BATON ROUGE, LLC
## LDEQ CHRONOLOGICAL CORRESPONDENCE LOG
## JANUARY 1, 2007 THRU DECEMBER 31, 2007

**LDEQ(RSD) = Remediation Services Division**
**LDEQ(OEA) = Office of Environmental Assessment**
**LDEQ(ETD) = Environmental Technology Division**
**LDEQ(ED) = Enforcement Division**
**JCA = John Arbuthnot** **CH = Clean Harbors**
**EPA = Environmental Protection Agency Region VI**
**LDEQ(EAD) = Environmental Assistance Division**
**LDEQ(OES) = Office of Environmental Services**

| SECTION | DATE | TO | FROM | SUBJECT |
|---|---|---|---|---|
| LDEQ(RSD) | 7/6/2007 | Keith Casanova<br>LDEQ | JCA<br>CH | Progress Report - June 1 thru June 30, 2007 |
| LDEQ(RSD) | 8/21/2007 | Keith Casanova<br>LDEQ | JCA<br>CH | Progress Report - July 1 thru July 31, 2007 |
| LDEQ(RSD) | 8/31/2007 | Keith Casanova<br>LDEQ | JCA<br>CH | Submittal of 2007 Semi-Annual Groundwater Monitoring Report |
| LDEQ(RSD) | 9/12/2007 | Keith Casanova<br>LDEQ | JCA<br>CH | Progress Report - August 1 thru August 31, 2007 |
| LDEQ(RSD) | 10/15/2007 | Keith Casanova<br>LDEQ | JCA<br>CH | Progress Report - September 1 thru September 30, 2007 |
| LDEQ(RSD) | 11/15/2007 | Keith Casanova<br>LDEQ | JCA<br>CH | Progress Report - October 1 thru October 31, 2007 |
| LDEQ(RSD) | 12/14/2007 | Keith Casanova<br>LDEQ | JCA<br>CH | Progress Report - November 1 thru November 30, 2007 |

# APPENDIX D

# AREA/UNIT MONITOR WELL LOCATIONS

**2007 ANNUAL GROUNDWATER REPORT**

**CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P**

**CAMERON-COLE, LLC**

# APPENDIX D
# AREA/UNIT MONITORING WELL LOCATIONS
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC LAD010395127-P
# CAMERON-COLE, LLC

| | UNIT 3 | UNIT 4 | UNIT 6 | UNIT 8 |
|---|---|---|---|---|
| **AREA 0** | 1A<br>2A<br>3A<br>14A<br>a-SM-10 | 1B<br>14B<br>OB-33 | a-DM-1 | 1C<br>14C |
| **AREA 1** | 4A<br>23A<br>24A<br>32A<br>42A<br>43A<br>51A<br>a-SM-1<br>a-SM-6<br>a-SM-7<br>a-SM-8<br>SM-2<br>SM-4<br>SM-5 | 4B-1<br>23B-1<br>31B-1U<br>31B-1L<br>32B-1<br>42B-1<br>AT-31<br>AT-32<br>50B-1<br>51B-1<br>a-SM-9<br>AT-18<br>AT-19<br>AT-20<br>AT-36 | 4B<br>4B-2<br>23B-2<br>24B-2<br>31B-2<br>32B-2<br>a-DM-2<br>AT-29<br>AT-37<br>a-DM-4<br>a-DM-5<br>a-DM-6<br>AT-1<br>AT-3<br>AT-5<br>AT-7<br>AT-33<br>AT-8<br>AT-9<br>AT-10<br>AT-11<br>AT-12R<br>AT-13<br>AT-14<br>AT-34<br>AT-15<br>AT-16<br>AT-17<br>AT-24<br>AT-25<br>DM-3<br>AT-28<br>AT-35 | 3C<br>4C<br>4CU<br>4CL<br>23C<br>24C<br>24CL<br>AT-27<br>31C<br>a-LM-1<br>a-LM-2<br>AT-2<br>AT-4<br>AT-6<br>AT-26<br>AT-30 |
| **AREA 2** | 5AR<br>33A | 5A<br>5B<br>5B-1<br>33B-1 | 5B-2<br>33B-2<br>49B-2 | 5C<br>5CU<br>52C<br>33CU<br>33CL |
| **AREA 3** | 6A<br>7A<br>8A<br>8AR<br>12A<br>13A<br>13AR<br>15A<br>22AW<br>35A<br>36A<br>37A<br>41A<br>SM-3 | 6B<br>7B<br>8B<br>8B-1<br>13B<br>13B-1<br>15B<br>17B-1<br>20A<br>21A<br>22A<br>35B-1<br>36B-1<br>37B-1<br>47B-1 | 6B-R<br>8B-2<br>13B-2<br>17B-2<br>21B-1<br>35B-2<br>22B-1<br>37B-2<br>AT-21<br>AT-22 | 6B-2R<br>6CR<br>8C<br>13C<br>AT-23<br>53C |
| **AREA 4** | 10A<br>P-26* | 9A<br>9AW<br>46B-1<br>10AW<br>22B-1<br>38A | 9B-1<br>10B<br>38B-1 | 9CR |
| **AREA 5** | 11A<br>16A<br>39A<br>40A | — | 11B<br>39B-2<br>40B-2 | 11C |
| **AREA 6** | 25A<br>27A<br>28A<br>34A<br>48A | 26A<br>54B-1<br>34B-1 | 25B-1<br>28B-1<br>30B-1 | — |

"a-" represents off-site monitoring well belonging to ExxonMobil Chemical Americas - Baton Rouge Polyolefins Plant.
* no permeable unit indicated in soil boring logs.

# APPENDIX E

# WELL CONSTRUCTION DETAILS

**2007 ANNUAL GROUNDWATER REPORT**

**CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P**

**CAMERON-COLE, LLC**

# APPENDIX E
# WELL CONSTRUCTION DETAILS
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC LAD010395127-P
# CAMERON-COLE, LLC

| WELL NO. | DATE INST. | UNIT (ZONE) MONITORED | UNIT THICKNESS | TOTAL DEPTH* | PLANT COORD. NORTH/EAST | GROUND ELEV.[2] | CASING ELEV.[2][4] | SCREEN RANGE DEPTH (ft.) | SCREEN RANGE ELEV.[2] | CONSTRUCTION[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MONITORING WELLS | | | | | |
| 1A | 12/80 | 3(A) | 5 | 33.30 | 2263/3294 | 78.6 | 80.90 | 24 - 29 | 55 - 50 | 2/CS/SS |
| 1B | 12/80 | 4(B-1) | 15 | 69.38 | 2268/3306 | 78.6 | 80.90 | 63 - 68 | 16 - 11 | 2/CS/SS |
| 1C | 11/80 | 8(C) | 15 | 131.45 | 2270/3315 | 78.3 | 81.38 | 115 - 125 | -37 - -47 | 4/CS/SS |
| 2A | 12/80 | 3(A) | 2 | 37.12 | 1010/4348 | 78.3 | 80.09 | 29 - 34 | 49 - 44 | 2/CS/SS |
| 3A | 12/80 | 3(A) | 4 | 40.46 | 427/2790 | 79.9 | 82.02 | 34 - 39 | 46 - 41 | 2/CS/SS |
| 3C | 10/91 | 8(C) | 22 | 128.91 | 430/2780 | 80.0 | 82.63 | 117 - 126 | -37- -46 | 2/SS/SS |
| 4A | 12/80 | 3(A) | 9 | 40.11 | 57/1962 | 78.5 | 80.21 | 31 - 39 | 48 - 40 | 2/CS/SS |
| 4B | 12/80 | 6(B-2) | 14 | 69.44 | 53/1950 | 78.4 | 80.13 | 73 - 78 | 5 - 0 | 2/CS/SS |
| 4B-1 | 9/90 | 4(B-1) | 10 | 52.70 | 42/1908 | 77.5 | 79.90 | 40 - 50 | 38 - 28 | 2/SS/SS |
| 4B-2 | 4/85 | 6(B-2) | 14 | 78.44 | -107/1816 | 77.2 | 78.77 | 67 - 73 | 10 - 4 | 2/PVC/SS |
| 4C# | 12/80 | 8(C) | 20 | 131.32 | 52/1914 | 78.0 | 80.78 | 115 - 125 | -37 - -47 | 4/CS/SS |
| 4C-U | 9/92 | 8(C-U) | 29 | 121.17 | 48/1891 | 76.4 | 79.83 | 107 - 117 | -31 - -41 | 2/SS/SS |
| 4C-L | 10/92 | 8(C-L) | 29 | 128.96 | 58/1889 | 76.4 | 79.89 | 116 - 126 | -40 - 50 | 2/SS/SS |
| 5A# | 12/80 | 4(B-1) | 9 | 48.85 | 794/1808 | 80.3 | 81.90 | 44 - 49 | 35 - 30 | 2/CS/SS |
| 5A-R | 1/89 | 3(A) | 3 | 32.65 | 812/1807 | 80.3 | 82.05 | 25 - 30 | 54 - 49 | 2/SS/SS |
| 5B | 4/85 | 4(B-1) | 8 | 63.18 | 782/1810 | 80.3 | 83.21 | 52 - 57 | 28 - 23 | 2/PVC/SS |
| 5B-1 | 3/89 | 4(B-1) | 9 | 60.96 | 696/1723 | 79.6 | 81.87 | 48 - 58 | 31 - 21 | 2/SS/SS |
| 5B-2 | 2/89 | 6(B-2) | 18 | 96.26 | 821/1805 | 80.1 | 81.91 | 86 - 96 | -6 - -16 | 2/SS/SS |
| 5C | 4/89 | 8(C) | 28 | 131.83 | 830/1804 | 80.0 | 81.77 | 121 - 131 | -42 - -52 | 2/SS/SS |

(1) No permeable unit indicated in soil boring logs.
(2) Clean Harbors Baton Rouge, LLC Plant Datum Elevations (subtract 3.09 ft. from Plant Datum to obtain NGVD).
(3) Well Diameter/Casing Material/Screen Material
(CS: Carbon Steel; SS: Stainless Steel; PVC: Polyvinyl Chloride)
(4) Casing elevations represent reference points for water level measurements.
(5) New top-of-casing elevation as of 12/99 survey.
* Total well depth (in feet) obtained from well installation construction details.
\# Wells converted to piezometer status under Final Modified Permit effective February 8, 1993
** Isolated Unit.
$ Active Recovery Well.

# APPENDIX E
# WELL CONSTRUCTION DETAILS
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC LAD010395127-P
# CAMERON-COLE, LLC

| WELL NO. | DATE INST. | UNIT (ZONE) MONITORED | UNIT THICKNESS | TOTAL DEPTH* | PLANT COORD. NORTH/EAST | GROUND ELEV.[2] | CASING ELEV.[2][4] | SCREEN RANGE DEPTH (ft.) | SCREEN RANGE ELEV.[2] | CONSTRUCTION[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| 5C-U | 10/92 | 8(C) | 28 | 116.92 | 818/1790 | 77.8 | 80.77 | 103 - 113 | -25 - -35 | 2/SS/SS |
| 6A | 12/80 | 3(A) | 6 | 43.62 | 1439/1434 | 81.0 | 84.17 | 34 - 39 | 47 - 42 | 2/CS/SS |
| 6B | 12/80 | 4(B-1) | 4 | 57.38 | 1436/1423 | 81.0 | 83.81 | 54 - 59 | 27 - 22 | 2/CS/SS |
| 6B-R | 1/89 | 6(B-2) | 8 | 73.58 | 1365/1472 | 78.2 | 80.87 | 60 - 70 | 17 - 7 | 2/SS/SS |
| 6B-2R | 3/05 | 8(C) | 10 | 96.96 | 1340/1494 | 78.3 | 80.95 | 84-94 | -6 - -16 | 2/SS/SS |
| 6CR | 3/05 | 8(C) | 19 | 121.31 | 1334/1471 | 78.1 | 80.09 | 109-119 | -31 - -41 | 2/SS/SS |
| 7A | 12/80 | 3(A) | 10 | 37.22 | 1098/532 | 80.0 | 82.54 | 29 - 34 | 52 - 47 | 2/CS/SS |
| 7B | 12/80 | 4(B-1) | 15 | 68.75 | 1092/518 | 81.0 | 82.84 | 70 - 75 | 11 - 6 | 2/CS/SS |
| 8A | 12/80 | 3(A) | 4 | 33.86 | 924/-2 | 79.0 | 80.95 | 25 - 30 | 54 - 49 | 2/CS/SS |
| 8A-R | 2/89 | 3(A) | 4 | 33.58 | 924/-8 | 78.0 | 81.20 | 29 - 34 | 48 - 43 | 2/SS/SS |
| 8B | 12/80 | 4(B-1) | 6 | 56.80 | 915/-3 | 79.0 | 80.11 | 49 - 54 | 30 - 25 | 2/CS/SS |
| 8B-1 | 3/89 | 4(B-1) | 9 | 65.80 | 916/-8 | 77.8 | 81.02 | 52 - 62 | 25 - 15 | 2/SS/SS |
| 8B-2 | 4/89 | 6(B-2) | 12 | 90.12 | 924/-15 | 77.9 | 81.38 | 76 - 86 | 1 - -9 | 2/SS/SS |
| 8C | 4/89 | 8(C) | 8 | 129.92 | 916/-15 | 77.7 | 81.22 | 118 - 125 | -41 - -48 | 2/SS/SS |
| 9A (OB-28) | 3/85 | 4(B-1) | 17 | 46.46 | 1785/-8 | 78.4 | 81.30 | 33 - 43 | 45 - 35 | 2/PVC/PVC |
| 9A-W | 4/89 | 4(B-1) | 16 | 33.82 | 1547/-239 | 57.7 | 59.80 | 21 - 30 | 36 - 27 | 2/PVC/PVC |
| 9B-1 | 6/89 | 6(B-2) | 4 | 76.55 | 1685/5 | 80.9 | 82.38 | 72 - 74 | 8 - 6 | 2/SS/SS |
| 9C | 12/80 | - | - | - | (REMOVED 1/86) | -- | 82.83 | 115 - 125 | -36 - -46 | 4/CS/SS |
| 9C-R | 12/85 | 8(C) | 18 | 140.64 | 1686/-5 | 78.3 | 80.19 | 126 - 136 | -48 - -58 | 4/PVC/SS |
| 10A | 1/81 | 3(A) | 11 | 40.96 | 2240/5 | 79.7 | 82.29 | 31 - 36 | 48 - 43 | 2/CS/SS |
| 10A-W | 8/89 | 4(B-1) | 14 | 31.13 | 2044/-102 | 61.4 | 63.81 | 18 - 27 | 43 - 34 | 2/PVC/PVC |

(1) No permeable unit indicated in soil boring logs.
(2) Clean Harbors Baton Rouge, LLC Plant Datum Elevations (subtract 3.09 ft. from Plant Datum to obtain NGVD).
(3) Well Diameter/Casing Material/Screen Material
(CS: Carbon Steel; SS: Stainless Steel; PVC: Polyvinyl Chloride)
(4) Casing elevations represent reference points for water level measurements.
(5) New top-of-casing elevation as of 12/99 survey.
* Total well depth (in feet) obtained from well installation construction details.
\# Wells converted to piezometer status under Final Modified Permit effective February 8, 1993
** Isolated Unit.
$ Active Recovery Well.

# APPENDIX E
# WELL CONSTRUCTION DETAILS
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC LAD010395127-P
# CAMERON-COLE, LLC

| WELL NO. | DATE INST. | UNIT (ZONE) MONITORED | UNIT THICKNESS | TOTAL DEPTH* | PLANT COORD. NORTH/EAST | GROUND ELEV.[2] | CASING ELEV.[2][4] | SCREEN RANGE DEPTH (ft.) | SCREEN RANGE ELEV.[2] | CONSTRUCTION[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| 10B | 1/81 | 6(B-2) | 5 | 68.76 | 2250/6 | 79.7 | 82.21 | 59 - 64 | 20 - 15 | 2/CS/SS |
| 11A | 12/80 | 3(A) | 3 | 37.46 | 2428/1154 | 77.7 | 79.43 | 29 - 34 | 49 - 44 | 2/CS/SS |
| 11B | 12/80 | 6(B-2) | 5 | 70.18 | 2428/1144 | 78.2 | 79.49 | 63 - 68 | 15 - 10 | 2/CS/SS |
| 11C | 12/80 | 8(C) | 10 | 133.77 | 2428/1133 | 78.2 | 79.95 | 119 - 129 | -41 - -51 | 4/CS/SS |
| 12A | 3/83 | 3(A) | 11 | 42.86 | 1213/750 | 82.0 | 84.34 | 33 - 38 | 49 - 44 | 2/PVC/PVC |
| 13A# | 3/83 | 3(A) | 13 | 42.43 | 1146/657 | 81.9 | 83.20 | 35 - 40 | 46 - 41 | 2/PVC/PVC |
| 13A-R | 1/89 | 3(A) | 20 | 41.17 | 1069/657 | 77.9 | 80.41 | 28 - 38 | 49 - 39 | 2/SS/SS |
| 13B# | 3/83 | 4(B-1) | 21 | 59.60 | 1144/652 | 81.9 | 83.38 | 51 - 56 | 30 - 25 | 2/PVC/PVC |
| 13B-1 | 3/89 | 4(B-1) | 20 | 53.27 | 1070/661 | 77.9 | 80.21 | 41 - 51 | 37 - 27 | 2/SS/SS |
| 13B-2 | 4/89 | 6(B-2) | 13 | 88.10 | 1067/653 | 78.0 | 80.26 | 75 - 85 | 2 - -8 | 2/SS/SS |
| 13C | 4/89 | 8(C) | 16 | 113.88 | 1066/649 | 78.0 | 80.33 | 101 - 111 | -23 - -33 | 2/SS/SS |
| 14A | 5/84 | 3(A) | 3 | 38.06 | 3237/2720 | 78.1 | 80.40 | 29 - 34 | 49 - 44 | 2/PVC/PVC |
| 14B | 5/84 | 4(B-1) | 6 | 73.92 | 3237/2730 | 78.1 | 80.52 | 65 - 70 | 13 - 8 | 2/PVC/PVC |
| 14C | 5/84 | 8(C) | 14 | 121.22 | 3237/2740 | 78.1 | 80.60 | 107 - 117 | -29 - -39 | 4/PVC/PVC |
| 15A | 7/84 | 3(A) | 3 | 42.37 | 602/-248 | 79.3 | 81.56 | 33 - 38 | 46 - 41 | 2/PVC/PVC |
| 15B | 7/84 | 4(B-1) | 5 | 66.04 | 591/-247 | 79.3 | 81.73 | 57 - 62 | 22 - 17 | 2/PVC/PVC |
| 16A | 4/85 | 3(A) | 9 | 40.83 | 2517/1173 | 79.0 | 81.63 | 30 - 35 | 49 - 44 | 2/PVC/SS |
| 17B-1 | 4/85 | 4(B-1) | 10 | 60.92 | 878/135 | 79.7 | 81.52 | 50 - 55 | 29 - 24 | 2/PVC/SS |
| 17B-2 | 4/85 | 6(B-2) | 3 | 78.42 | 874/126 | 79.7 | 81.45 | 68 - 73 | 11 - 6 | 2/PVC/SS |

(1) No permeable unit indicated in soil boring logs.
(2) Clean Harbors Baton Rouge, LLC Plant Datum Elevations (subtract 3.09 ft. from Plant Datum to obtain NGVD).
(3) Well Diameter/Casing Material/Screen Material
(CS: Carbon Steel; SS: Stainless Steel; PVC: Polyvinyl Chloride)
(4) Casing elevations represent reference points for water level measurements.
(5) New top-of-casing elevation as of 12/99 survey.
* Total well depth (in feet) obtained from well installation construction details.
\# Wells converted to piezometer status under Final Modified Permit effective February 8, 1993
** Isolated Unit.
$ Active Recovery Well.

# APPENDIX E
# WELL CONSTRUCTION DETAILS
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC LAD010395127-P
# CAMERON-COLE, LLC

| WELL NO. | DATE INST. | UNIT (ZONE) MONITORED | UNIT THICKNESS | TOTAL DEPTH* | PLANT COORD. NORTH/EAST | GROUND ELEV.[2] | CASING ELEV.[2][4] | SCREEN RANGE DEPTH (ft.) | SCREEN RANGE ELEV.[2] | CONSTRUCTION[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| 20A | 4/85 | 4(B-1) | 12 | 58.82 | 906/ 804 | 78.4 | 81.82 | 43 - 53 | 35 - 25 | 2/PVC/SS |
| 21A | 11/88 | 4(B-1) | 26 | 69.76 | 1743/386 | 91.0 | 93.07 | 54 - 64 | 37 - 27 | 4/SS/SS |
| 21B-1 | 11/88 | 6(B-2) | 10 | 85.04 | 1744/381 | 91.0 | 92.93 | 76 - 81 | 15 - 10 | 2/SS/SS |
| 22A(OB-30) | 3/85 | 4(B-1) | 8 | 56.66 | 1389/-14 | 76.7 | 79.86 | 43 - 53 | 34 - 24 | 2/PVC/PVC |
| 22A-W | 5/90 | 3(A) | 14 | 25.20 | 1389/-104 | 58.4 | 61.78 | 12 - 22 | 47 - 37 | 2/SS/SS |
| 22B-1 | 5/90 | 4(B-1) | 20 | 35.25 | 1379/-105 | 59.2 | 61.77 | 22 - 32 | 37 - 27 | 2/SS/SS |
| 23A | 2/89 | 3(A) | 15 | 41.06 | 161/2225 | 81.1 | 83.40 | 28 - 38 | 52 - 42 | 2/SS/SS |
| 23B-1 | 3/89 | 4(B-1) | 7 | 64.71 | 158/2216 | 81.1 | 83.35 | 55 - 62 | 26 - 19 | 2/SS/SS |
| 23B-2 | 11/91 | 6(B-2) | 7 | 81.91 | 165/2235 | 80.5 | 83.47 | 74 - 78 | 6 - 2 | 2/SS/SS |
| 23C | 11/91 | 8(C) | 22 | 131.06 | 170/2247 | 80.4 | 82.95 | 119 - 128 | -38 - -47 | 2/SS/SS |
| 24A | 1/89 | 3(A) | 6 | 41.14 | 353/1864 | 79.5 | 81.04 | 33 - 38 | 46 - 41 | 2/SS/SS |
| 24B-2 | 3/89 | 6(B-2) | 11 | 85.30 | 370/1860 | 79.7 | 82.03 | 72 - 82 | 8 - -2 | 2/SS/SS |
| 24C | 7/90 | 8(C) | 20.5 | 115.41 | 383/1859 | 79.7 | 82.12 | 102 - 112 | -23 - -33 | 2/SS/SS |
| 24C-L | 11/92 | 8(C) | 20.5 | 132.59 | 397/1858 | 79.7 | 81.99 | 120 - 130 | -40 - -50 | 2/SS/SS |
| 25A | 5/89 | 3(A) | 6 | 40.16 | 2413/1366 | 78.7 | 81.11 | 28 - 38 | 51 - 41 | 4/SS/SS |
| 25B-1 | 5/89 | 6(B-2) | 12 | 68.98 | 2425/1349 | 78.5 | 81.15 | 54 - 64 | 24 - 14 | 2/SS/SS |
| 26A | 1/89 | 4(B-1) | 18 | 50.16 | 2239/1805 | 78.2 | 79.99 | 38 - 48 | 40 - 30 | 2/SS/SS |
| 27A | 1/89 | 3(A) | 13 | 45.95 | 1688/1592 | 79.2 | 82.13 | 33 - 43 | 46 - 36 | 2/SS/SS |
| 28A | 2/89 | 3(A) | 16 | 43.79 | 1927/1546 | 77.8 | 80.89 | 30 - 40 | 47 - 37 | 4/SS/SS |

(1) No permeable unit indicated in soil boring logs.
(2) Clean Harbors Baton Rouge, LLC Plant Datum Elevations (subtract 3.09 ft. from Plant Datum to obtain NGVD).
(3) Well Diameter/Casing Material/Screen Material
(CS: Carbon Steel; SS: Stainless Steel; PVC: Polyvinyl Chloride)
(4) Casing elevations represent reference points for water level measurements.
(5) New top-of-casing elevation as of 12/99 survey.
* Total well depth (in feet) obtained from well installation construction details.
\# Wells converted to piezometer status under Final Modified Permit effective February 8, 1993
** Isolated Unit.
$ Active Recovery Well.

# APPENDIX E
# WELL CONSTRUCTION DETAILS
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC LAD010395127-P
# CAMERON-COLE, LLC

| WELL NO. | DATE INST. | UNIT (ZONE) MONITORED | UNIT THICKNESS | TOTAL DEPTH* | PLANT COORD. NORTH/EAST | GROUND ELEV.[2] | CASING ELEV.[2][4] | SCREEN RANGE DEPTH (ft.) | SCREEN RANGE ELEV.[2] | CONSTRUCTION[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| 28B-1 | 2/89 | 6(B-2) | 8 | 67.12 | 1929/1549 | 77.6 | 81.01 | 60 - 65 | 17 - 12 | 2/SS/SS |
| 30B-1 | 5/89 | 6(B-2) | 6 | 76.64 | 1821/1332 | 81.6 | 84.28 | 69 - 74 | 13 - 8 | 2/SS/SS |
| 31B-1U | 10/92 | 4(B-1) | 16 | 42.97 | -21/1622 | 77.0 | 79.33 | 35 - 40 | 42 - 37 | 2/PVC/PVC |
| 31B-1L | 10/92 | 4(B-1) | 16 | 54.36 | -22/1632 | 77.0 | 79.46 | 41 - 51 | 36 - 26 | 2/PVC/PVC |
| 31B-2 | 9/89 | 6(B-2) | 17 | 82.43 | -18/1654 | 77.4 | 79.60 | 70 - 80 | 7 - -3 | 4/SS/SS |
| 31C | 7/90 | 8(C) | 8 | 130.33 | -23/1644 | 77.5 | 79.14 | 118 - 128 | -41 - -51 | 2/SS/SS |
| 32A | 3/90 | 3(A) | 3 | 29.50 | 601/1831 | 79.9 | 81.49 | 25 - 27 | 55 - 53 | 2/SS/SS |
| 32B-1 | 3/90 | 4(B-1) | 14 | 66.39 | 595/1832 | 79.9 | 81.46 | 54 - 64 | 25 - 15 | 2/SS/SS |
| 32B-2 | 9/89 | 6(B-2) | 13 | 84.60 | 582/1834 | 79.9 | 81.42 | 75 - 85 | 4 - -6 | 2/SS/SS |
| 33A | 5/90 | 3(A) | 10 | 35.48 | 1080/1735 | 77.9 | 80.64 | 27 - 32 | 51 - 46 | 2/SS/SS |
| 33B-1 | 5/90 | 4(B-1) | 7 | 56.58 | 1090/1733 | 77.9 | 80.69 | 48 - 53 | 30 - 25 | 2/SS/SS |
| 33B-2 | 5/90 | 6(B-2) | 5 | 93.67 | 1100/1732 | 77.9 | 80.82 | 85 - 90 | -7 - -12 | 2/SS/SS |
| 33C-U | 10/92 | 8(C-U) | 28 | 115.40 | 1072/1736 | 77.6 | 80.56 | 102 - 112 | -24 - -34 | 2/SS/SS |
| 33C-L | 10/92 | 8(C-L) | 28 | 129.86 | 1061/1737 | 77.5 | 80.57 | 116 - 126 | -38 - -48 | 2/SS/SS |
| 34A | 4/90 | 3(A) | 6 | 39.92 | 1398/1689 | 78.4 | 79.67 | 33 - 38 | 45 - 40 | 2/SS/SS |
| 34B-1 | 4/90 | 4(B-1) | 14 | 67.56 | 1378/1692 | 78.1 | 79.44 | 56 - 66 | 22 - 12 | 2/SS/SS |
| 35A | 4/90 | 3(A) | 8 | 37.66 | 1226/1075 | 78.6 | 79.76 | 31 - 36 | 47 - 42 | 2/SS/SS |
| 35B-1 | 5/90 | 4(B-1) | 5 | 65.24 | 1223/1069 | 78.6 | 79.98 | 58 - 63 | 20 - 15 | 2/SS/SS |
| 35B-2# | 5/90 | ** | 2 | 78.49 | 1220/1061 | 78.6 | 80.28 | 74 - 76 | 4 - 2 | 2/SS/SS |

(1) No permeable unit indicated in soil boring logs.
(2) Clean Harbors Baton Rouge, LLC Plant Datum Elevations (subtract 3.09 ft. from Plant Datum to obtain NGVD).
(3) Well Diameter/Casing Material/Screen Material
(CS: Carbon Steel; SS: Stainless Steel; PVC: Polyvinyl Chloride)
(4) Casing elevations represent reference points for water level measurements.
(5) New top-of-casing elevation as of 12/99 survey.
* Total well depth (in feet) obtained from well installation construction details.
\# Wells converted to piezometer status under Final Modified Permit effective February 8, 1993
** Isolated Unit.
$ Active Recovery Well.

# APPENDIX E
# WELL CONSTRUCTION DETAILS
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC LAD010395127-P
# CAMERON-COLE, LLC

| WELL NO. | DATE INST. | UNIT (ZONE) MONITORED | UNIT THICKNESS | TOTAL DEPTH* | PLANT COORD. NORTH/EAST | GROUND ELEV.[2] | CASING ELEV.[2][4] | SCREEN RANGE DEPTH (ft.) | SCREEN RANGE ELEV.[2] | CONSTRUCTION[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| 36A | 4/90 | 3(A) | 2 | 35.32 | 938/-362 | 78.5 | 79.76 | 32 - 34 | 46 - 44 | 2/SS/SS |
| 36B-1 | 4/90 | 4(B-1) | 2.5 | 62.48 | 945/-363 | 78.5 | 79.82 | 56 - 61 | 22 - 17 | 2/SS/SS |
| 37A | 4/90 | 3(A) | 12 | 27.71 | 1178/-99 | 59.8 | 63.01 | 14 - 24 | 45 - 35 | 2/SS/SS |
| 37B-1 | 4/90 | 4(B-1) | 5 | 54.91 | 1170/-98 | 59.8 | 63.00 | 49 - 51 | 11 - 9 | 2/SS/SS |
| 37B-2 | 4/90 | 6(B-2) | 5 | 62.80 | 1163/-98 | 59.8 | 63.40 | 54 - 59 | 5 - 0 | 2/SS/SS |
| 38A | 5/90 | 4(B-1) | 10 | 34.80 | 1996/-105 | 60.6 | 63.54 | 22 - 32 | 39 - 29 | 2/SS/SS |
| 38B-1 | 4/90 | 6(B-2) | 6 | 56.92 | 2008/-105 | 60.7 | 63.64 | 49 - 54 | 12 - 7 | 2/SS/SS |
| 39A | 4/90 | 3(A) | 4 | 30.16 | 2542/339 | 76.9 | 79.13 | 25 - 28 | 52 - 49 | 2/SS/SS |
| 39B-2 | 5/90 | 6(B-2) | 7 | 91.79 | 2541/331 | 77.1 | 79.45 | 84 - 89 | -7 - -12 | 2/SS/SS |
| 40A | 4/90 | 3(A) | 3 | 32.58 | 2515/740 | 78.3 | 81.50 | 24 - 29 | 54 - 49 | 2/SS/SS |
| 40B-2 | 5/90 | 6(B-2) | 9 | 89.79 | 2516/734 | 78.0 | 82.10 | 76 - 86 | 2 - -8 | 2/SS/SS |
| 41A | 10/90 | 3(A) | 4 | 36.36 | 896/309 | 78.4 | 81.07 | 29 - 34 | 49 - 44 | 2/PVC/PVC |
| 42A | 10/90 | 3(A) | 10 | 43.23 | 221/1472 | 78.4 | 81.33 | 30 - 40 | 48 - 38 | 2/PVC/PVC |
| 42B-1 | 9/90 | 4(B-1) | 10 | 53.36 | 226/1477 | 78.5 | 81.29 | 40 - 50 | 38 - 28 | 2/SS/SS |
| 43A | 10/90 | 3(A) | 4 | 40.44 | 693/2493 | 77.0 | 79.59 | 35 - 38 | 42 - 39 | 2/SS/SS |
| 46B-1 | 12/92 | 4(B-1) | 5 | 27.85 | 1409/-366 | 57.9 | 60.27 | 20 - 25 | 38 - 33 | 2/PVC/PVC |
| 47B-1 | 9/92 | 4(B-1) | 8 | 53.74 | 873/604 | 78.2 | 81.10 | 45 - 50 | 33 - 28 | 2/PVC/PVC |
| 48A | 10/92 | 3(A) | 7 | 43.07 | 1211/1577 | 78.0 | 80.03 | 30 - 40 | 48 - 38 | 2/PVC/PVC |

(1) No permeable unit indicated in soil boring logs.
(2) Clean Harbors Baton Rouge, LLC Plant Datum Elevations (subtract 3.09 ft. from Plant Datum to obtain NGVD).
(3) Well Diameter/Casing Material/Screen Material
(CS: Carbon Steel; SS: Stainless Steel; PVC: Polyvinyl Chloride)
(4) Casing elevations represent reference points for water level measurements.
(5) New top-of-casing elevation as of 12/99 survey.
* Total well depth (in feet) obtained from well installation construction details.
\# Wells converted to piezometer status under Final Modified Permit effective February 8, 1993
** Isolated Unit.
$ Active Recovery Well.

# APPENDIX E
# WELL CONSTRUCTION DETAILS
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC LAD010395127-P
# CAMERON-COLE, LLC

| WELL NO. | DATE INST. | UNIT (ZONE) MONITORED | UNIT THICKNESS | TOTAL DEPTH* | PLANT COORD. NORTH/EAST | GROUND ELEV.[2] | CASING ELEV.[2][4] | SCREEN RANGE DEPTH (ft.) | SCREEN RANGE ELEV.[2] | CONSTRUCTION[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| 49B-2 | 10/92 | 6(B-2) | 6.5 | 89.23 | 935/1612 | 78.0 | 82.01 | 75 - 85 | 3 - 7 | 2/PVC/PVC |
| 50B-1 | 9/92 | 4(B-1) | 7 | 56.83 | 186/1201 | 76.6 | 79.63 | 43 - 53 | 34 - 24 | 2/PVC/PVC |
| 51A | 9/92 | 3(A) | 10 | 36.65 | -80/1362 | 76.3 | 79.67 | 24 - 34 | 53 - 43 | 2/PVC/PVC |
| 51B-1 | 9/92 | 4(B-1) | 14 | 48.82 | -82/1367 | 76.3 | 79.39 | 35 - 45 | 41 - 31 | 2/PVC/PVC |
| 52C | 5/95 | 8(C) | 22 | 127.62 | 752/1587 | 78.2 | 80.74 | 114 - 124 | -36 - -46 | 2/PVC/PVC |
| 53C | 6/95 | 8(C) | 16 | 107.55 | 876/505 | 78.2 | 80.33 | 95 - 105 | -17 - -27 | 2/PVC/PVC |
| 54B-1 | 6/95 | 4(B-1) | 20 | 49.07 | 2575/1794 | 77.6 | 80.02 | 36 - 46 | 42 - 32 | 2/PVC/PVC |
| SM-2 | 5/82 | 3(A) | 4 | 35.63 | 647/1694 | 78.1 | 79.67 | 27 - 32 | 51 - 46 | 2/PVC/PVC |
| SM-3 | 5/82 | 3(A) | 17 | 38.63 | 1064/724 | 78.5 | 80.12 | 30 - 35 | 49 - 44 | 2/PVC/PVC |
| SM-4# | 5/82 | 3(A) | 4 | 42.89 | 21/156 | 78.1 | 80.01 | 34 - 39 | 44 - 39 | 2/PVC/PVC |
| SM-5# | 5/82 | 3(A) | 12 | 43.26 | 86/924 | 77.4 | 79.54 | 34 - 39 | 43 - 38 | 2/PVC/PVC |
| OB-33 | 3/85 | 4(B-1) | 13 | 70.30 | 1299/2279 | 81.3 | 85.35 | 57 - 67 | 24 - 14 | 2/PVC/PVC |
| DM-3 | 5/82 | 6(B-2) | 11 | 88.81 | 652/1693 | 78.1 | 79.44 | 80 - 85 | - 2 - -7 | 2/PVC/PVC |
| P-26 | 3/85 | [1] | - | 31.97 | 2205/-8 | 77.9 | 81.12 | 20 - 30 | 58 - 48 | 2/PVC/PVC |
| AT-1 | 4/88 | 6(B-2) | 9 | 80.78 | -818/899 | 75.0 | 77.66 | 73 - 78 | 2 - -3 | 2/PVC/PVC |
| AT-2 | 5/88 | 8(C) | 19 | 116.43 | -821/892 | 75.6 | 77.98 | 104 - 114 | -28 - -38 | 2/PVC/PVC |
| AT-3 | 4/88 | 6(B-2) | 21 | 86.76 | -690/1026 | 75.1 | 79.22 | 72 - 82 | 3 - -7 | 2/PVC/PVC |
| AT-4 | 5/88 | 8(C) | 19 | 112.02 | -694/1016 | 75.2 | 79.43 | 98 - 108 | -23 - -33 | 2/PVC/PVC |
| AT-5# | 5/88 | 6(B-2) | 6 | 80.27 | 85/940 | 77.7 | 79.68 | 73 - 78 | 5 - 0 | 2/PVC/PVC |
| AT-6# | 5/88 | 8(C) | 9 | 123.27 | 83/944 | 77.2 | 80.12 | 115 - 120 | -38 - -43 | 2/PVC/PVC |

[1] No permeable unit indicated in soil boring logs.
[2] Clean Harbors Baton Rouge, LLC Plant Datum Elevations (subtract 3.09 ft. from Plant Datum to obtain NGVD).
[3] Well Diameter/Casing Material/Screen Material
(CS: Carbon Steel; SS: Stainless Steel; PVC: Polyvinyl Chloride)
[4] Casing elevations represent reference points for water level measurements.
[5] New top-of-casing elevation as of 12/99 survey.
* Total well depth (in feet) obtained from well installation construction details.
\# Wells converted to piezometer status under Final Modified Permit effective February 8, 1993
** Isolated Unit.
$ Active Recovery Well.

# APPENDIX E
# WELL CONSTRUCTION DETAILS
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC LAD010395127-P
# CAMERON-COLE, LLC

| WELL NO. | DATE INST. | UNIT (ZONE) MONITORED | UNIT THICKNESS | TOTAL DEPTH* | PLANT COORD. NORTH/EAST | GROUND ELEV.[2] | CASING ELEV.[2][4] | SCREEN RANGE DEPTH (ft.) | SCREEN RANGE ELEV.[2] | CONSTRUCTION[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| AT-7 | 2/89 | 6(B-2) | 14 | 83.27 | -708/1104 | 76.1 | 78.38 | 65 - 80 | 11 - -4 | 4/PVC/PVC |
| AT-8 | 12/89 | 6(B-2) | 5 | 77.42 | -995/805 | 74.2 | 77.10 | 70 - 75 | 7 - -2 | 4/PVC/PVC |
| AT-9 | 9/89 | 6(B-2) | 12 | 80.29 | 35/1228 | 76.6 | 78.94 | 68 - 78 | 9 - -1 | 2/PVC/PVC |
| AT-10 | 10/89 | 6(B-2) | 22 | 87.22 | -388/1001 | 77.7 | 80.10 | 74 - 84 | 4 - -6 | 2/PVC/PVC |
| AT-11 | 9/89 | 6(B-2) | 13 | 84.27 | -841/690 | 75.0 | 77.55 | 73 - 83 | 3 - -7 | 2/PVC/PVC |
| AT-12R | 2/05 | 6(B-2) | 12 | 85.40 | -1115/719 | 75.6 | 78.37 | 72-82 | 3 - -7 | 2/PVC/PVC |
| AT-13 | 10/89 | 6(B-2) | 10 | 83.40 | -1182/885 | 75.9 | 78.30 | 70 - 80 | 6 - -4 | 2/PVC/PVC |
| AT-14 | 1/91 | 6(B-2) | 14 | 85.37 | -1256/817 | 75.5 | 78.41 | 72 - 82 | 4 - -6 | 2/PVC/PVC |
| AT-15 | 4/91 | 6(B-2) | 8 | 84.13 | -1382/958 | 76.3 | 79.32 | 70 - 80 | 6 - -4 | 2/PVC/PVC |
| AT-16 | 4/91 | 6(B-2) | 13 | 80.58 | -1387/1123 | 76.3 | 78.73 | 67 - 77 | 9 - -1 | 2/PVC/PVC |
| AT-17 | 4/91 | 6(B-2) | 11 | 81.57 | -1291/1297 | 76.1 | 78.77 | 68 - 78 | 8 - -2 | 2/PVC/PVC |
| AT-18 | 5/92 | 4(B-1) | 10 | 65.07 | 45/2378 | 77.0 | 79.54 | 51 - 61 | 25 - 15 | 2/PVC/PVC |
| AT-19 | 5/92 | 4(B-1) | 8 | 51.88 | -208/2213 | 76.8 | 79.51 | 39 - 49 | 38 - 28 | 2/PVC/PVC |
| AT-20 | 5/92 | 4(B-1) | 12 | 53.79 | -138/1949 | 77.1 | 79.80 | 41 - 51 | 37 - 27 | 2/PVC/PVC |
| AT-21 | 11/92 | 6(B-2) | 29 | 85.45 | 572/729 | 77.6 | 80.47 | 72 - 82 | 6 - -4 | 2/PVC/PVC |
| AT-22 | 11/92 | 6(B-2) | 29 | 100.90 | 578/734 | 77.7 | 80.40 | 87 - 97 | -9 - -19 | 2/PVC/PVC |
| AT-23 | 1/93 | 8(C) | 10 | 113.91 | 579/735 | 78.0 | 80.32 | 100 - 110 | -22 - -32 | 2/PVC/PVC |
| AT-24 | 11/92 | 6(B-2) | 19 | 84.20 | 19/677 | 77.8 | 80.89 | 70 - 80 | 8 - -2 | 2/PVC/PVC |
| AT-25 | 11/92 | 6(B-2) | 19 | 96.61 | 19/681 | 77.8 | 80.86 | 82 - 92 | -4 - -14 | 2/PVC/PVC |
| AT-26 | 1/93 | 8(C) | 14 | 110.10 | 17/685 | 77.8 | 81.61 | 96 - 106 | -18 - -28 | 2/PVC/PVC |
| AT-27 | 6/95 | 8(C) | 42 | 125.74 | -1192/1155 | 75.5 | 78.39 | 112 - 122 | -37 - -47 | 2/PVC/PVC |
| AT-28 | 6/95 | 6(B-2) | 22 | 70.70 | -1189/1162 | 75.5 | 77.97 | 58 - 68 | 18 - 8 | 2/PVC/PVC |
| AT-29 | 6/95 | 6(B-2) | 22 | 85.66 | -1187/1171 | 75.5 | 78.07 | 72 - 82 | 4 - -6 | 2/PVC/PVC |
| AT-30 | 6/95 | 8(C) | 42 | 105.60 | -1184/1180 | 75.5 | 78.31 | 92 - 102 | -17 - -27 | 2/PVC/PVC |
| AT-31 | 7/95 | 4(B-1) | 12 | 53.67 | -319/2397 | 76.0 | 79.04 | 40 - 50 | 36 - 26 | 2/PVC/PVC |
| AT-32 | 7/95 | 4(B-1) | 14 | 53.68 | -399/2106 | 76.0 | 79.06 | 40 - 50 | 36 - 26 | 2/PVC/PVC |

(1) No permeable unit indicated in soil boring logs.
(2) Clean Harbors Baton Rouge, LLC Plant Datum Elevations (subtract 3.09 ft. from Plant Datum to obtain NGVD).
(3) Well Diameter/Casing Material/Screen Material
(CS: Carbon Steel; SS: Stainless Steel; PVC: Polyvinyl Chloride)
(4) Casing elevations represent reference points for water level measurements.
(5) New top-of-casing elevation as of 12/99 survey.
* Total well depth (in feet) obtained from well installation construction details.
\# Wells converted to piezometer status under Final Modified Permit effective February 8, 1993
** Isolated Unit.
$ Active Recovery Well.

# APPENDIX E
# WELL CONSTRUCTION DETAILS
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC LAD010395127-P
# CAMERON-COLE, LLC

| WELL NO. | DATE INST. | UNIT (ZONE) MONITORED | UNIT THICKNESS | TOTAL DEPTH* | PLANT COORD. NORTH/EAST | GROUND ELEV.[2] | CASING ELEV.[2][4] | SCREEN RANGE DEPTH (ft.) | SCREEN RANGE ELEV.[2] | CONSTRUCTION[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| AT-33 | 7/95 | 6(B-2) | 8 | 77.64 | -400/2097 | 76.0 | 79.08 | 64 - 74 | 12 - 2 | 2/PVC/PVC |
| AT-34 | 7/95 | 6(B-2) | 10 | 57.50 | -1601/975 | 57.0 | 59.65 | 44 - 54 | 13 - 3 | 2/PVC/PVC |
| AT-35 | 8/95 | 6(B-2) | 16 | 63.86 | -1451/821 | 54.3 | 56.99 | 50 - 60 | 4 - -6 | 2/PVC/PVC |
| AT-36 | 8/95 | 4(B-1) | 8 | 39.40 | -1822/952 | 53.6 | 56.81 | 26 - 36 | 27 - 17 | 2/PVC/PVC |
| AT-37 | 8/95 | 6(B-2) | 10 | 57.58 | -1800/952 | 53.9 | 56.93 | 44 - 54 | 10 - 0 | 2/PVC/PVC |
| **OBSERVATION WELLS/PIEZOMETERS** | | | | | | | | | | |
| 6B-2 | 4/89 | 8(C) | 10 | 97.53 | 1367/1477 | 78.2 | 80.92 | 84 - 94 | -6 - -16 | 2/SS/SS |
| 6C | 5/89 | 8(C) | 19 | 122.98 | 1368/1482 | 78.2 | 80.81 | 110 - 120 | -32 - -42 | 2/SS/SS |
| AT-12 | 12/89 | ** | - | (Removed 10/31-11/01/2005) | | -- | 78.29 | 72 - 82 | 6 - -4 | 2/PVC/PVC |
| OB-21A | 3/85 | 3(A) | 10 | 40.34 | 2320/-1499 | 79.4 | 81.47 | 28 - 38 | 51 - 41 | 2/PVC/PVC |
| OB-21B | 3/85 | ** | 30 | 109.31 | 2323/-1504 | 79.4 | 81.95 | 97 - 107 | -18 - -28 | 2/PVC/PVC |
| OB-22 | 3/85 | 3(A) | 13 | 44.03 | 2605/-806 | 80.3 | 82.95 | 30 - 40 | 50 - 40 | 2/PVC/PVC |
| OB-23 | 3/85 | 3(A) | 18 | 37.30 | 2597/-210 | 78.4 | 81.35 | 24 - 34 | 54 - 44 | 2/PVC/PVC |
| OB-24 | 3/85 | 4(B-1) | 9 | 37.27 | 2195/-1010 | 63.7 | 67.14 | 27 - 37 | 36 - 26 | 2/PVC/PVC |
| OB-25A | 3/85 | 3(A) | 14 | 27.98 | 2202/-401 | 65.7 | 68.21 | 16 - 26 | 50 - 40 | 2/PVC/PVC |
| OB-25B | 3/85 | 4(B-1) | 13 | 52.45 | 2196/-405 | 65.0 | 67.45 | 39 - 49 | 26 - 16 | 2/PVC/PVC |
| OB-27 | 3/85 | 4(B-1) | 29 | 54.73 | 1998/-1405 | 78.8 | 81.91 | 42 - 52 | 37 - 27 | 2/PVC/PVC |
| OB-28 | 3/85 | Note: OB-28 renamed 9A. | | | | | | | | |
| OB-29 | 3/85 | 3(A) | 18 | 43.90 | 1782/-604 | 62.9 | 65.47 | 29 - 39 | 34 - 24 | 2/PVC/PVC |
| OB-30 | 3/85 | Note: OB-30 renamed 22A. | | | | | | | | |
| OB-31 | 3/85 | 3(A) | 9 | 27.29 | 1400/-813 | 62.7 | 64.81 | 15 - 25 | 48 - 38 | 2/PVC/PVC |
| P-21A | 3/85 | (1) | - | 31.16 | 2325/-1499 | 79.4 | 82.57 | 18 - 28 | 61 - 51 | 2/PVC/PVC |
| P-22A | 3/85 | (1) | - | 32.08 | 2606/-805 | 80.3 | 82.92 | 19 - 29 | 61 - 51 | 2/PVC/PVC |
| P-23 | 3/91 | 4(B-1) | 6 | 65.38 | 146/2200 | 81.5 | 83.69 | 57 - 62 | 24 - 19 | 2/PVC/PVC |

(1) No permeable unit indicated in soil boring logs.
(2) Clean Harbors Baton Rouge, LLC Plant Datum Elevations (subtract 3.09 ft. from Plant Datum to obtain NGVD).
(3) Well Diameter/Casing Material/Screen Material
(CS: Carbon Steel; SS: Stainless Steel; PVC: Polyvinyl Chloride)
(4) Casing elevations represent reference points for water level measurements.
(5) New top-of-casing elevation as of 12/99 survey.
* Total well depth (in feet) obtained from well installation construction details.
\# Wells converted to piezometer status under Final Modified Permit effective February 8, 1993
** Isolated Unit.
* Active Recovery Well.

# APPENDIX E
# WELL CONSTRUCTION DETAILS
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC LAD010395127-P
# CAMERON-COLE, LLC

| WELL NO. | DATE INST. | UNIT (ZONE) MONITORED | UNIT THICKNESS | TOTAL DEPTH* | PLANT COORD. NORTH/EAST | GROUND ELEV.[2] | CASING ELEV.[2][4] | SCREEN RANGE DEPTH (ft.) | SCREEN RANGE ELEV.[2] | CONSTRUCTION[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| P-29 | 3/85 | [1] | - | - | (Removed 12/87) | -- | 82.37 | 18 - 28 | 62 - 52 | 2/PVC/PVC |
| P-32 | 3/85 | 3(A) | 6 | 37.77 | 610/-257 | 78.9 | 81.07 | 26 - 36 | 53 - 43 | 2/PVC/PVC |
| P-35 | 3/85 | 3(A) | 19 | 38.53 | 87/933 | 77.6 | 80.77 | 25 - 35 | 53 - 43 | 2/PVC/PVC |
| P-36 | 3/85 | 3(A) | 3 | 36.18 | 250/86 | 78.4 | 81.09 | 25 - 35 | 53 - 43 | 2/PVC/PVC |
| P-44 | 10/90 | ** | - | | (Removed 9/93) | -- | 79.44 | 90 - 100 | -13 - -23 | 2/PVC/PVC |
| P-45 | 4/91 | 4(B-1) | 17 | 65.43 | 1746/351 | 88.9 | 91.62 | 52 - 62 | 37 - 27 | 2/PVC/PVC |
| P-46 | 12/91 | 3(A) | 6 | 33.28 | 2610/1 | 78.6 | 81.94 | 25 - 30 | 54 - 49 | 2/PVC/PVC |
| P-47 | 12/91 | 3(A) | 5 | 27.06 | 3258/1221 | 73.9 | 76.80 | 19 - 24 | 55 - 50 | 2/PVC/PVC |
| P-48 | 12/91 | 3(A) | 3 | 33.42 | 3617/-33 | 78.1 | 80.99 | 20 - 30 | 58 - 48 | 2/PVC/PVC |
| P-48A | 3/92 | [1] | - | 15.02 | 3620/-24 | 77.7 | 80.83 | 7 - 12 | 71 - 66 | 2/PVC/PVC |
| P-49 | 12/91 | 3(A) | 5 | 33.34 | 3501/-836 | 79.1 | 81.98 | 20 - 30 | 59 - 49 | 2/PVC/PVC |
| P-49A | 3/92 | [1] | - | 15.06 | 3502/-843 | 79.1 | 81.71 | 7 - 12 | 72 - 67 | 2/PVC/PVC |
| P-50 | 12/91 | 3(A) | 6 | 33.48 | 3288/-1583 | 79.8 | 83.14 | 25 - 30 | 55 - 50 | 2/PVC/PVC |
| P-51 | 12/91 | 3(A) | 6 | 33.32 | 4214/-1490 | 75.6 | 78.80 | 20 - 30 | 56 - 46 | 2/PVC/PVC |
| P-52 | 12/91 | 3(A) | 5 | 33.28 | 4361/-5 | 78.0 | 81.15 | 20 - 30 | 58 - 48 | 2/PVC/PVC |
| P-53 | 12/91 | 3(A) | 4 | 28.56 | 4177/998 | 76.6 | 79.28 | 20 - 25 | 57 - 52 | 2/PVC/PVC |
| B-282 | 5/87 | 4(B-1) | 5 | 68.42 | 3200/-800 | 78.8 | 81.76 | 60 - 65 | 19 - 14 | 2/PVC/PVC |
| PR-1 | 9/89 | 6(B-2) | 16 | 83.93 | -152/1697 | 76.4 | 77.53 | 68 - 83 | 8 - -7 | 6/PVC/PVC |
| | | | | | **SUPPLY WELLS** | | | | | |
| EB-886 | 8/70 | "600-foot" | | 384 | 1926/1815 | 78.6 | 78.46 | 344-384 | -265- -305 | 10/CS/SS |
| EB-1153 | 9/87 | "1200-foot" | | 977 | 3145/2728 | 77.4 | 79.29 | 825-975 | -745- -895 | 16/CS/SS |

(1) No permeable unit indicated in soil boring logs.
(2) Clean Harbors Baton Rouge, LLC Plant Datum Elevations (subtract 3.09 ft. from Plant Datum to obtain NGVD).
(3) Well Diameter/Casing Material/Screen Material
(CS: Carbon Steel; SS: Stainless Steel; PVC: Polyvinyl Chloride)
(4) Casing elevations represent reference points for water level measurements.
(5) New top-of-casing elevation as of 12/99 survey.
* Total well depth (in feet) obtained from well installation construction details.
\# Wells converted to piezometer status under Final Modified Permit effective February 8, 1993
** Isolated Unit.
$ Active Recovery Well.

# APPENDIX E
# WELL CONSTRUCTION DETAILS
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC LAD010395127-P
# CAMERON-COLE, LLC

| WELL NO. | DATE INST. | UNIT (ZONE) MONITORED | UNIT THICKNESS | TOTAL DEPTH* | PLANT COORD. NORTH/EAST | GROUND ELEV.[2] | CASING ELEV.[2][4] | SCREEN RANGE DEPTH (ft.) | SCREEN RANGE ELEV.[2] | CONSTRUCTION[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | **INTERCEPTOR WELLS*** ** | | | | | |
| I-1$ | 9/81 | 6(B-2) | 5 | 86 | 74/ 1944 | 81.0 | 83.30 | 73 - 83 | 8 - -2 | 10/CS/SS |
| I-2$ | 9/81 | 3(A) | 16 | 50 | 81/ 1953 | 81.2 | 83.20 | 32 - 47 | 49 - 34 | 10/CS/SS |
| I-1R$ | 10/90 | 6(B-2) | 24 | 85 | 77/1934 | 81.4 | 83.51 | 69 - 86 | 12 - -5 | 6/SS/SS |
| I-2R$ | 10/90 | 3(A) | 18 | 50 | 73/1920 | 81.0 | 83.54 | 29 - 49 | 52 - 32 | 6/SS/SS |
| I-3$ | 3/83 | 4(B-1) | 6 | 68 | 956/72 | 82.7 | 85.04 | 60 - 65 | 23 - 18 | 10/CS/SS |
| I-4$ | 3/83 | 6(B-2) | 5 | 89 | 1134/535 | 81.5 | 83.65 | 76 - 86 | 6 - - 4 | 10/CS/SS |
| I-5$ | 3/83 | 3(A) | 14 | 58 | 1170/640 | 81.7 | 84.38 | 34 - 39 | 48 - 43 | 10/CS/SS |
| | 3/83 | 4(B-1) | 21 | 58 | 1170/640 | 81.7 | 84.38 | 50 - 55 | 32 - 27 | 10/CS/SS |
| I-6$ | 10/89 | 6(B-2) | 7 | 84 | 340/1865 | 78.6 | 81.36 | 74 - 84 | 4 - -6 | 6/SS/SS |
| I-7$ | 5/92 | 4(B-1) | 4 | 46 | 108/2080 | 81.8 | 83.71 | 38 - 43 | 44 - 39 | 6/SS/SS |
| I-8$ | 5/92 | 4(B-1) | 9 | 56 | 147/2189 | 81.7 | 82.15 | 43 - 53 | 38 - 28 | 6/SS/SS |
| I-9$ | 5/92 | 4(B-1) | 9 | 64 | 178/2266 | 81.0 | 83.05 | 52 - 62 | 29 - 19 | 6/SS/SS |
| I-10$ | 7/93 | 3/4(A/B-1) | 22 | 61 | 1153/584 | 81.4 | 83.90 | 30 - 60 | 51 - 21 | 6/SS/SS |
| I-11 | 10/95 | 3/4(A/B-1) | 24 | 46 | 1650/-120 | 61.3 | 64.23 | 23 - 43 | 38 - 18 | 6/SS/SS |
| I-12 | 5/96 | 3/4(A/B-1) | 24 | 58 | 1850/69 | 85.6 | 87.16 | 28 - 58 | 58 - 28 | 6/SS/SS |
| I-13 | 7/96 | 3/4(A/B-1) | 26 | 53.5 | 961/732 | 78.0 | 80.01 | 31 - 51 | 47 - 27 | 6/SS/SS |
| | | | | | **RECOVERY WELLS*** ** | | | | | |
| R-1$ | 12/89 | 6(B-2) | 28 | 93 | -152/1697 | 76.4 | 78.69 | 72 - 92 | 5 - -15 | 6/PVC/PVC |
| PR-1B$ | 10/89 | 6(B-2) | 18 | 86 | -160/1694 | 76.4 | 78.16 | 71 - 86 | 5 - -1 | 6/PVC/SS |
| R-2 | 10/89 | 6(B-2) | 18 | 86 | -430/1410 | 76.7 | 79.61 | 77 - 87 | 0 - -10 | 6/PVC/PVC |
| R-3 | 10/89 | 6(B-2) | 22 | 87 | -690/1065 | 76.8 | 79.24 | 66 - 86 | 11 - -9 | 6/PVC/PVC |
| R-4 | 1/91 | 6(B-2) | 18 | 90 | -1128/917 | 76.1 | 78.31 | 75 - 90 | 1 - -14 | 6/PVC/PVC |

(1) No permeable unit indicated in soil boring logs.
(2) Clean Harbors Baton Rouge, LLC Plant Datum Elevations (subtract 3.09 ft. from Plant Datum to obtain NGVD).
(3) Well Diameter/Casing Material/Screen Material
(CS: Carbon Steel; SS: Stainless Steel; PVC: Polyvinyl Chloride)
(4) Casing elevations represent reference points for water level measurements.
(5) New top-of-casing elevation as of 12/99 survey.
* Total well depth (in feet) obtained from well installation construction details.
\# Wells converted to piezometer status under Final Modified Permit effective February 8, 1993
** Isolated Unit.
$ Active Recovery Well.

# APPENDIX E
# WELL CONSTRUCTION DETAILS
# 2007 ANNUAL GROUNDWATER REPORT
# CLEAN HARBORS BATON ROUGE, LLC LAD010395127-P
# CAMERON-COLE, LLC

| WELL NO. | DATE INST. | UNIT (ZONE) MONITORED | UNIT THICKNESS | TOTAL DEPTH* | PLANT COORD. NORTH/EAST | GROUND ELEV.[2] | CASING ELEV.[2][4] | SCREEN RANGE DEPTH (ft.) | SCREEN RANGE ELEV.[2] | CONSTRUCTION[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| R-5[$] | 7/94 | 4(B-1) | 23 | 53 | -34/2011 | 77.3 | 78.36 | 29 - 54 | 51 - 26 | 6/SS/SS |
| 29A[$] | 2/89 | 4(B-1) | 22 | 53.15 | 2080/1679 | 78.5 | 81.85 | 41 - 51 | 37 - 27 | 4/SS/SS |
| 30A[$] | 5/89 | 4(B-1) | 20 | 62.79 | 1822/1325 | 82.2 | 84.47 | 50 - 60 | 32 - 22 | 4/SS/SS |

***(Interceptor and Recovery Wells equipped with stainless steel submersible pumps)
29A and 30A converted from monitor wells to recovery wells on September 1, 1995.

**EXXONMOBIL MONITORING WELLS (Denoted by "a-")**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| a-SM-1 | 1982 | 3(A) | 53 | 41.72 | -144/1950 | 77.0 | 78.56 | 33 - 38 | 44 - 39 | 2/PVC/PVC |
| a-SM-6 | 1982 | 3(A) | 11 | 44.11 | -888/889 | 76.2 | 77.79 | 35 - 40 | 41 - 36 | 2/PVC/PVC |
| a-SM-7 | 1985 | 3(A) | 4 | 42.95 | -702/1189 | 78.0 | 79.30 | 32 - 36 | 46 - 42 | 2/PVC/PVC |
| a-SM-8 | 1985 | 3(A) | 8 | 41.59 | -487/1570 | 78.0 | 79.36 | 34 - 39 | 44 - 39 | 2/PVC/PVC |
| a-SM-9 | 1987 | 4(B-1) | 15 | 53.02 | -47/2141 | 78.0 | 79.35 | 43 - 47 | 35 - 31 | 2/PVC/PVC |
| a-SM-10 | 1987 | 3(A) | 3 | 37.81 | 518/3594 | 75.0 | 76.80 | 28 - 33 | 47 - 42 | 2/PVC/PVC |
| a-DM-1 | 1982 | 6(B-2) | 3 | 76.24 | 236/2872 | 76.5 | 79.39[5] | 67 - 72 | 11 - 6 | 2/PVC/PVC |
| a-DM-2 | 1982 | 6(B-2) | 4 | 76.80 | -149/1951 | 76.9 | 78.40 | 68 - 73 | 9 - 4 | 2/PVC/PVC |
| a-DM-4 | 1982 | 6(B-2) | 12 | 78.93 | -887/894 | 76.3 | 77.67 | 70 - 75 | 6 - 1 | 2/PVC/PVC |
| a-DM-5 | 1985 | 6(B-2) | 8 | 83.01 | -703/1187 | 78.0 | 79.30 | 73 - 78 | 5 - 0 | 2/PVC/PVC |
| a-DM-6 | 1985 | 6(B-2) | 13 | 83.21 | -486/1573 | 78.0 | 79.27 | 77 - 82 | 1 - -4 | 2/PVC/PVC |
| a-LM-1 | 1987 | 8(C) | >10 | 129.10 | -155/1953 | 77.0 | 79.15 | 116 - 126 | -39 - -49 | 4/PVC/PVC |
| a-LM-2 | 1987 | 8(C) | 22 | 130.10 | -885/900 | 76.3 | 78.58 | 115 - 125 | -38 - -48 | 4/PVC/PVC |

(1) No permeable unit indicated in soil boring logs.
(2) Clean Harbors Baton Rouge, LLC Plant Datum Elevations (subtract 3.09 ft. from Plant Datum to obtain NGVD).
(3) Well Diameter/Casing Material/Screen Material
(CS: Carbon Steel; SS: Stainless Steel; PVC: Polyvinyl Chloride)
(4) Casing elevations represent reference points for water level measurements.
(5) New top-of-casing elevation as of 12/99 survey.
* Total well depth (in feet) obtained from well installation construction details.
\# Wells converted to piezometer status under Final Modified Permit effective February 8, 1993
** Isolated Unit.
$ Active Recovery Well.

# APPENDIX F

# CONCENTRATION VERSUS TIME GRAPHS

**2007 ANNUAL GROUNDWATER REPORT**

**CLEAN HARBORS BATON ROUGE, LLC - LAD010395127-P**

**CAMERON-COLE, LLC**

# APPENDIX F
# CONCENTRATION VERSUS TIME GRAPHS

Concentration versus time graphs for VOCs, SVOCs, pesticides/herbicides, pH and specific conductivity are presented in this appendix. These graphs are required by Section VI.J.5.i of the Final Modified Operating Permit and Section VI.J.4.i of the Post-Closure Permits for closed cells 901, 902 and 717. Data is presented historically through 2007. Linear regression trends were developed (as discussed in this report) and are graphically displayed. These graphs represent total concentrations of the constituent groups detected in any monitor well. Graphs were not created for wells which exhibited one-time detections or laboratory artifact constituents. If recent data is not indicated on a particular graph, this may be due to an inability to sample the well during that period (i.e., well was dry, lack of sufficient sampling volume, etc.). The wells that have been dry for more than 5 years, such as wells 8A and 41A, do not have graphs.

Regression analyses were performed to calculate the equation of the "best fit" line through the data points on each graph. The regression equation is presented on each graph. The slope coefficient in each equation indicates the directions and rate of change in constituent concentration over time (positive for increasing and negative for decreasing).

The graphs in this appendix are organized by constituent group, then by the sorting order determined by the database query. Specifically, the graphs are arranged in the following order:

<u>Total VOCs</u>

Wells 04A → 53-C
Wells AT-04 → AT-37
Wells DM-03 and SM-03
Wells I-1 → I-13
Well P-26
Wells R-1 → R-5
Wells a-DM-01 → a-SM-09

<u>Total SVOCs</u>

Wells 04A → 42B-1
Wells AT-08 → AT-36
Well P-26
Wells a-DM-04 and a-SM-01

<u>Total Pest/Herb/PCB</u>

Wells 04A → 50B-1
Wells AT-07 → AT-36
Wells DM-03 and SM-03
Wells a-DM-04 and a-LM-01

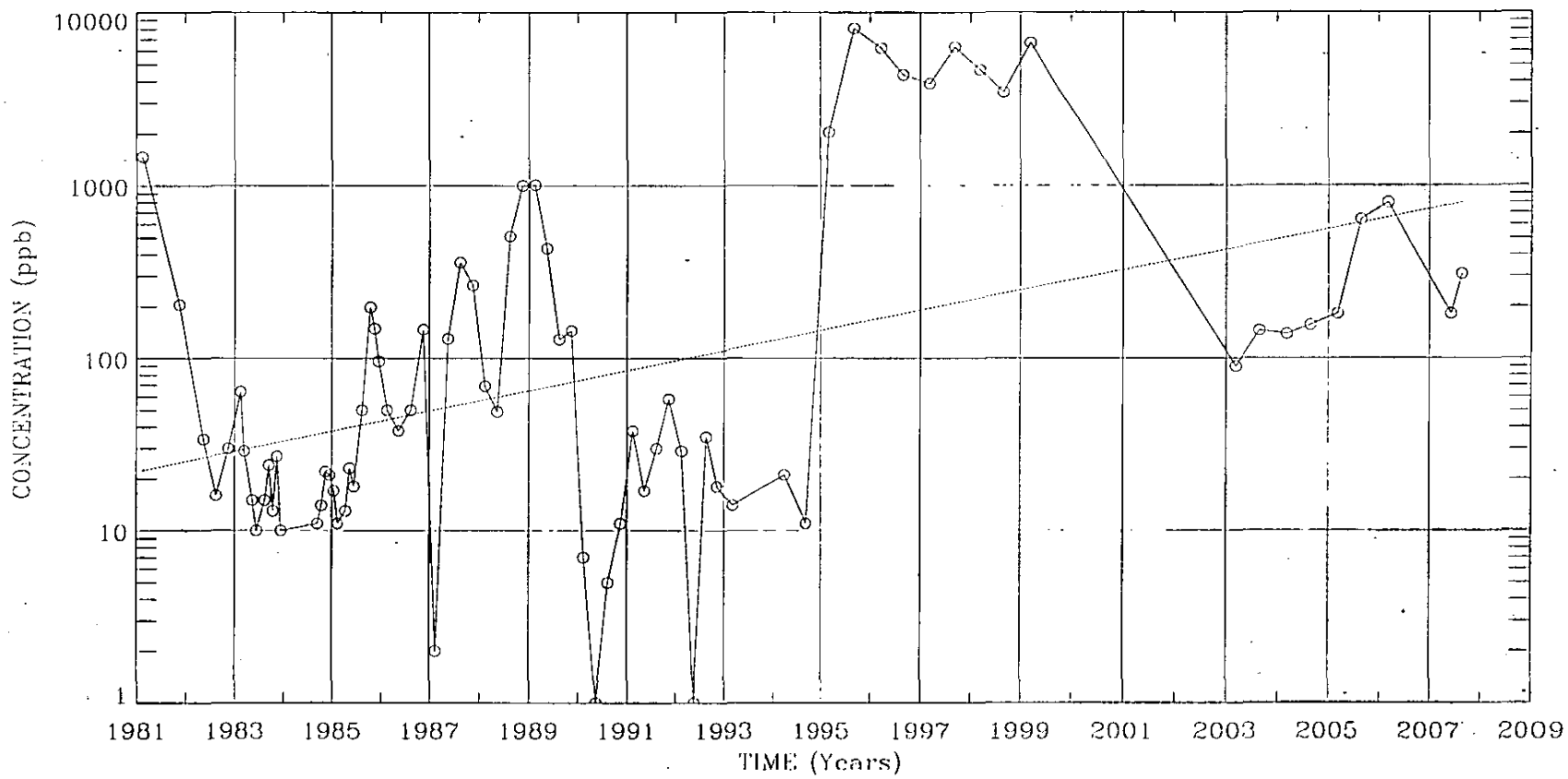
<u>pH</u>

Wells 01A → 54B-1
Wells a-DM-01 → a-SM-10
Wells AT-01 → AT-37
Wells DM-03 and OB-33
Wells PROC #1 and PROC #2
Wells SM-02 → SM-05

<u>Specific Conductivity</u>

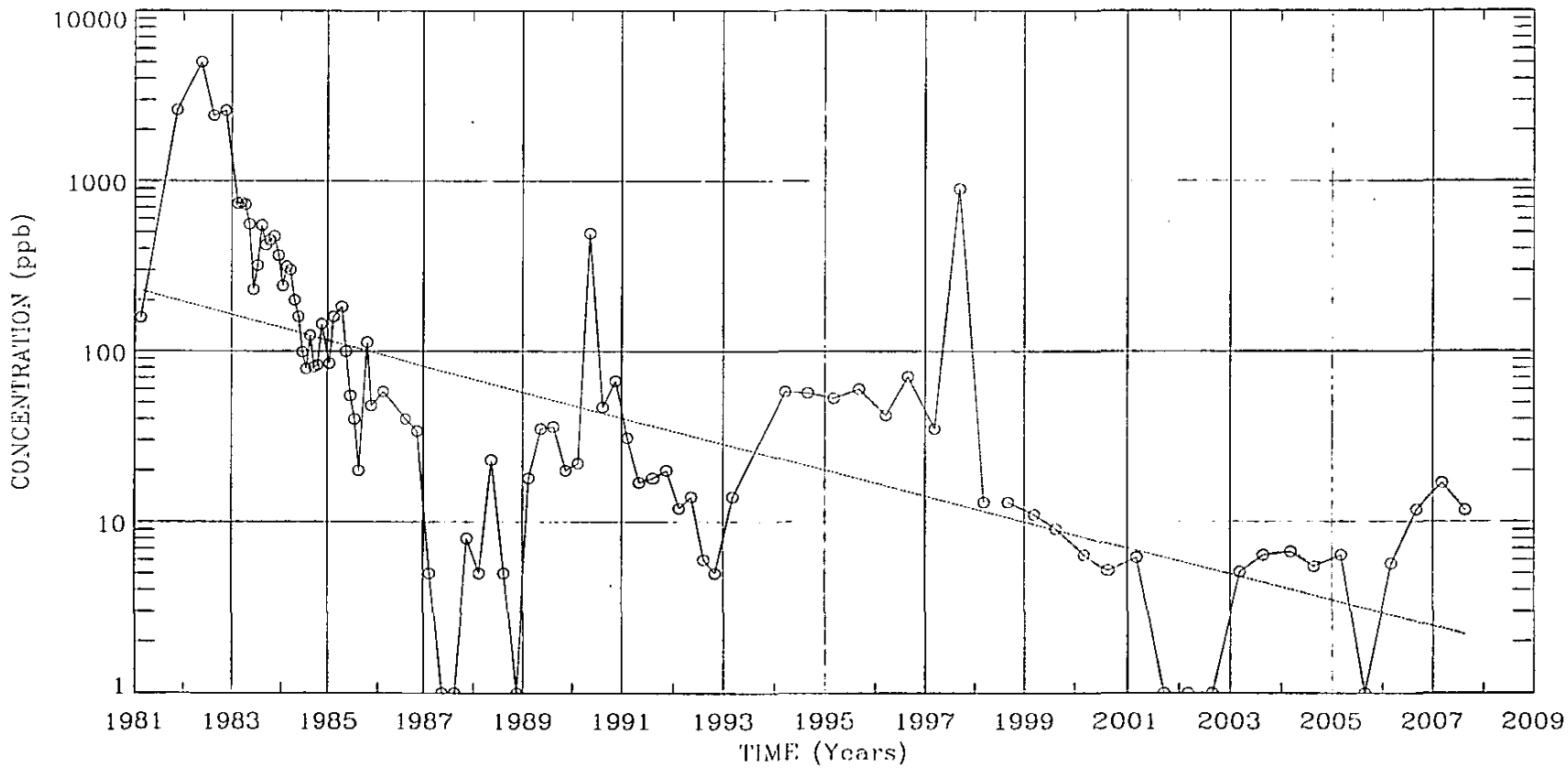
Wells 01A → 54B-1
Wells a-DM-01 → a-SM-10
Wells AT-01 → AT-37
Wells DM-03 and OB-33
Wells PROC #1 and PROC #2
Wells SM-02 → SM-05

Well 04A UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



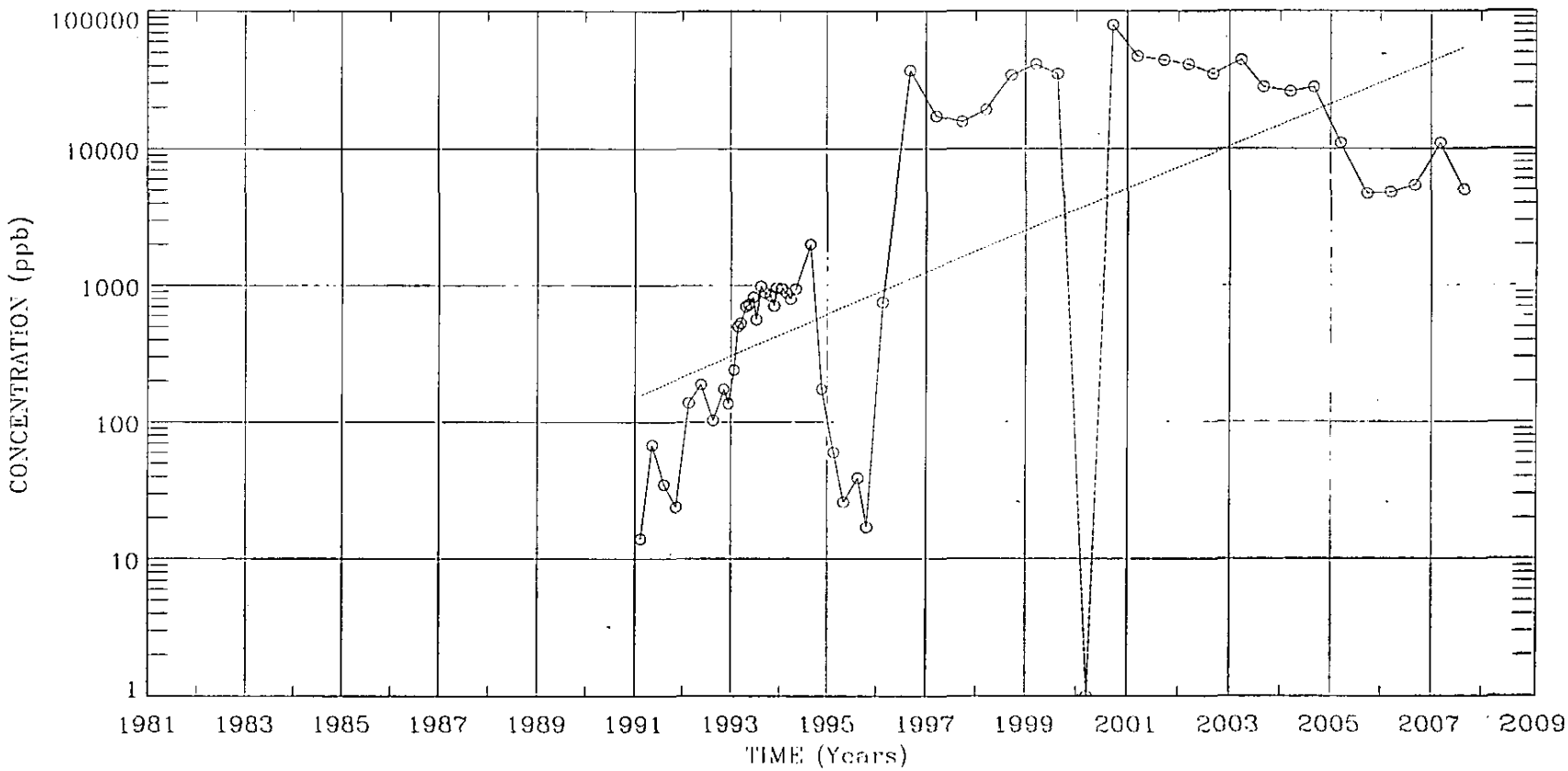

REGRESSION LINE EQUATION: $Y = 3.984E-004e^{0.1348x}$

Well 04B UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



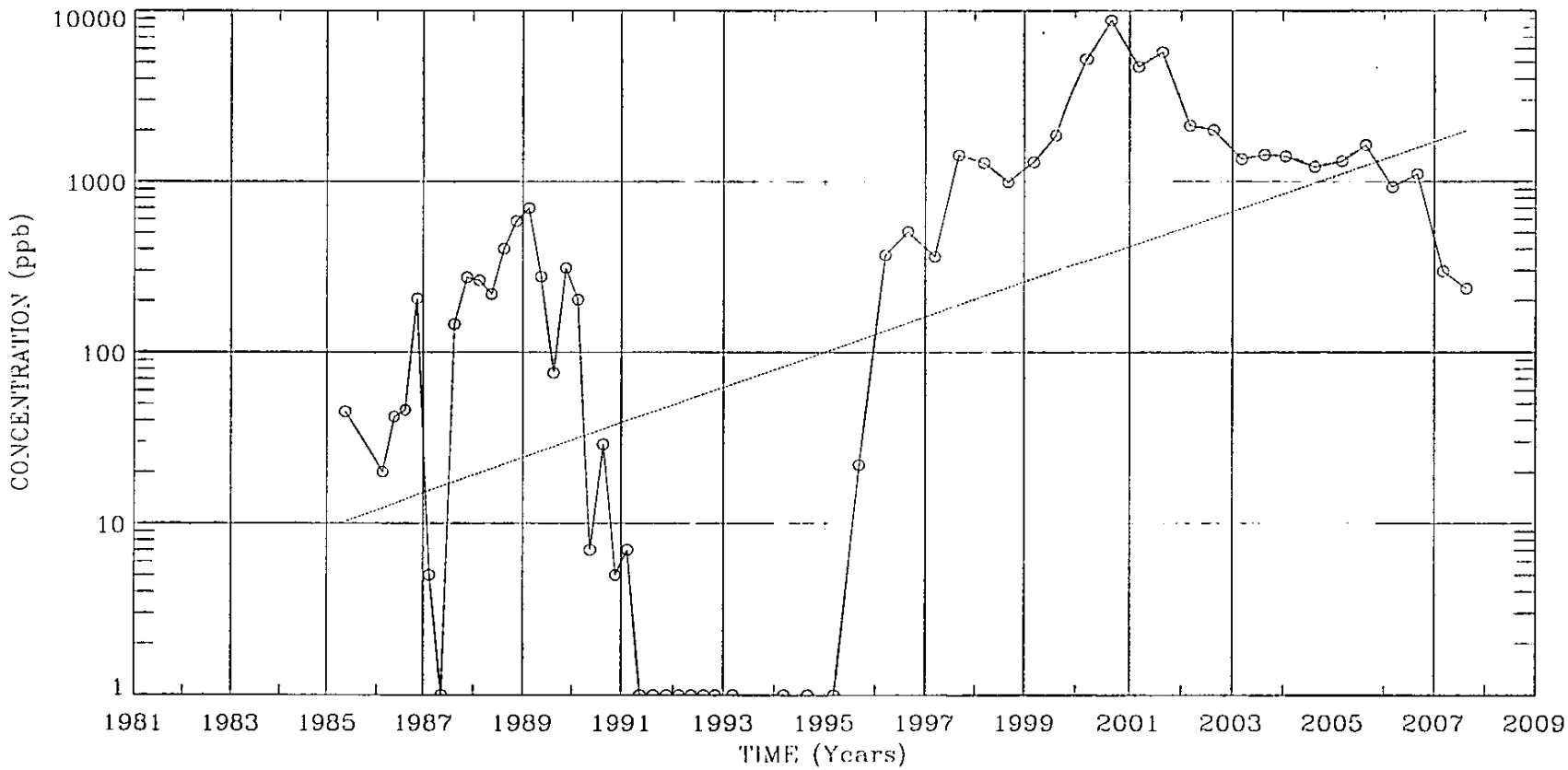

REGRESSION LINE EQUATION: $Y = 3.364E+008e^{0.1751x}$

Well 04B-1 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



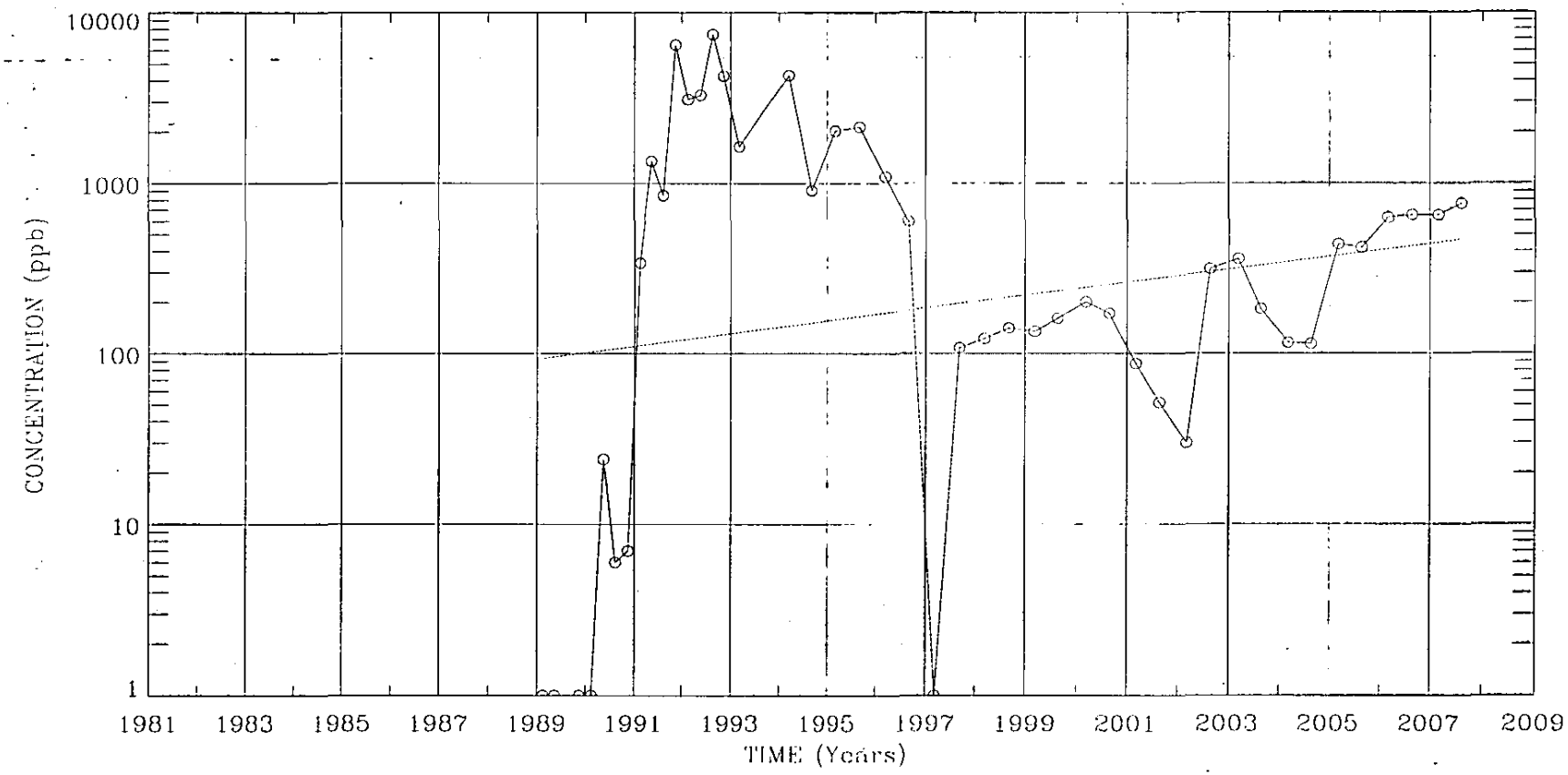

REGRESSION LINE EQUATION: $Y = 1.644E-012e^{0.3532x}$

Well 05B UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



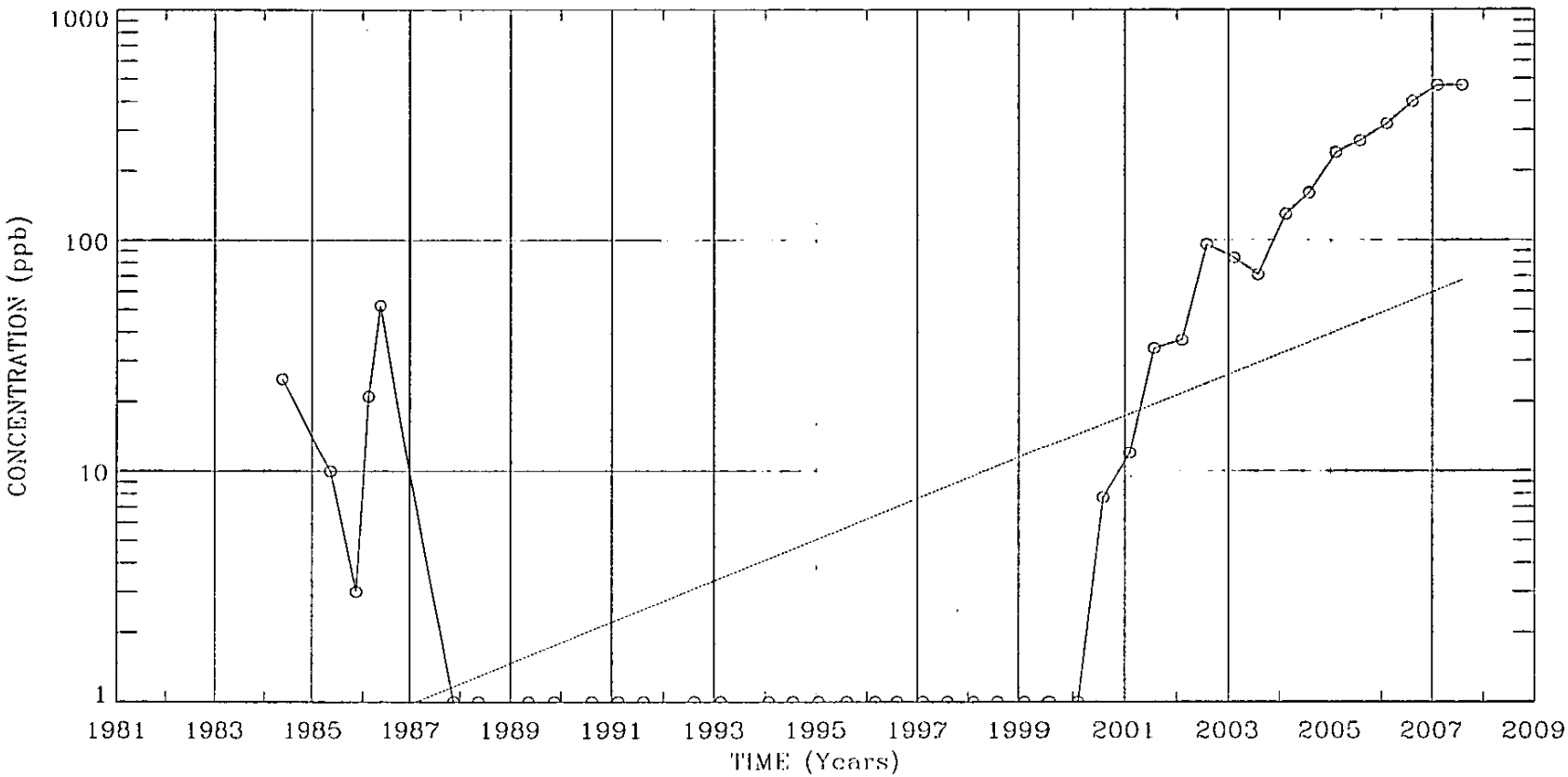

REGRESSION LINE EQUATION: $Y = 1.7291E-008e^{0.2366x}$

Well 05B-2 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



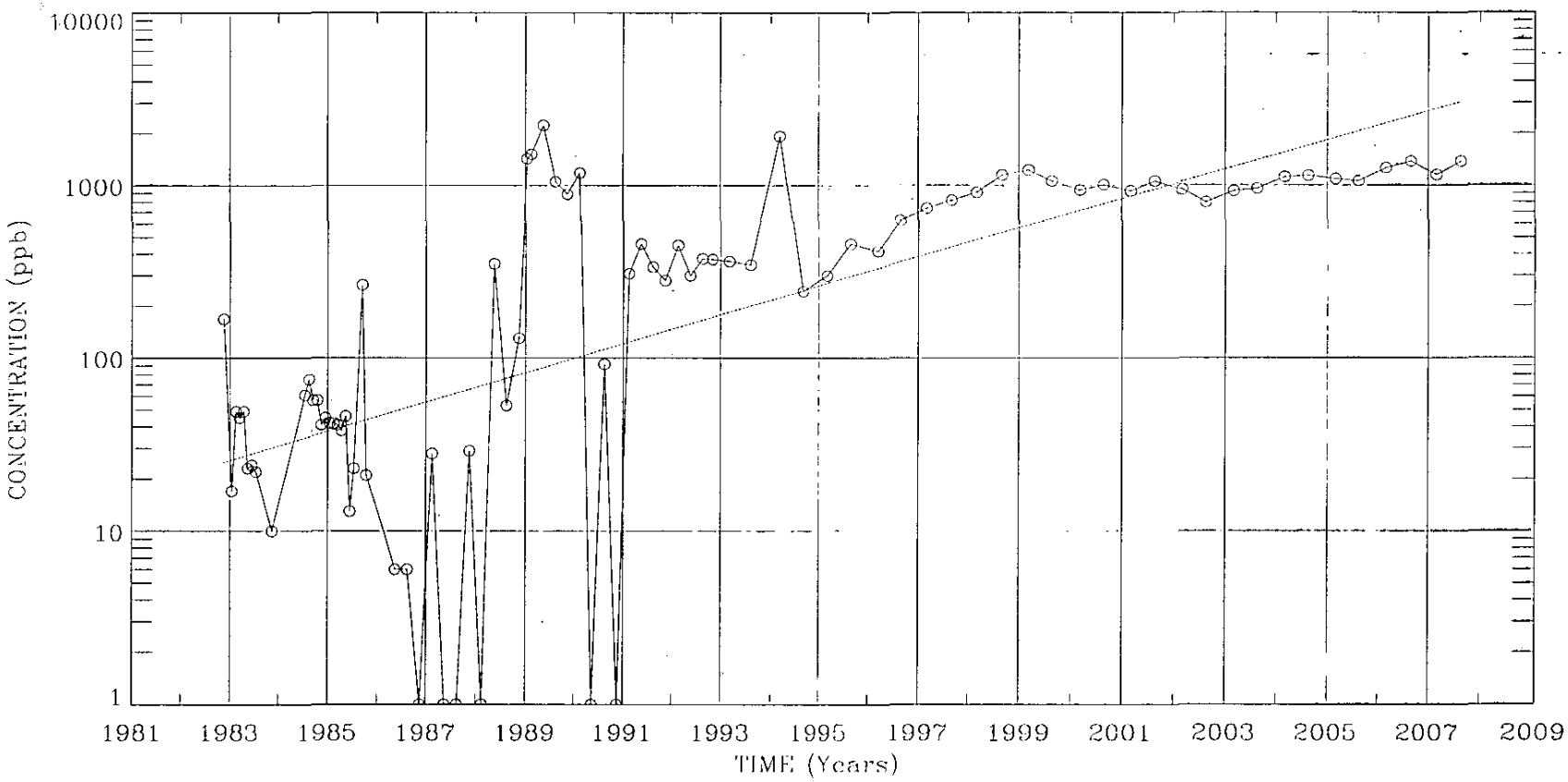

REGRESSION LINE EQUATION: $Y = 4.080E-002e^{0.0868x}$

Well 06A UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



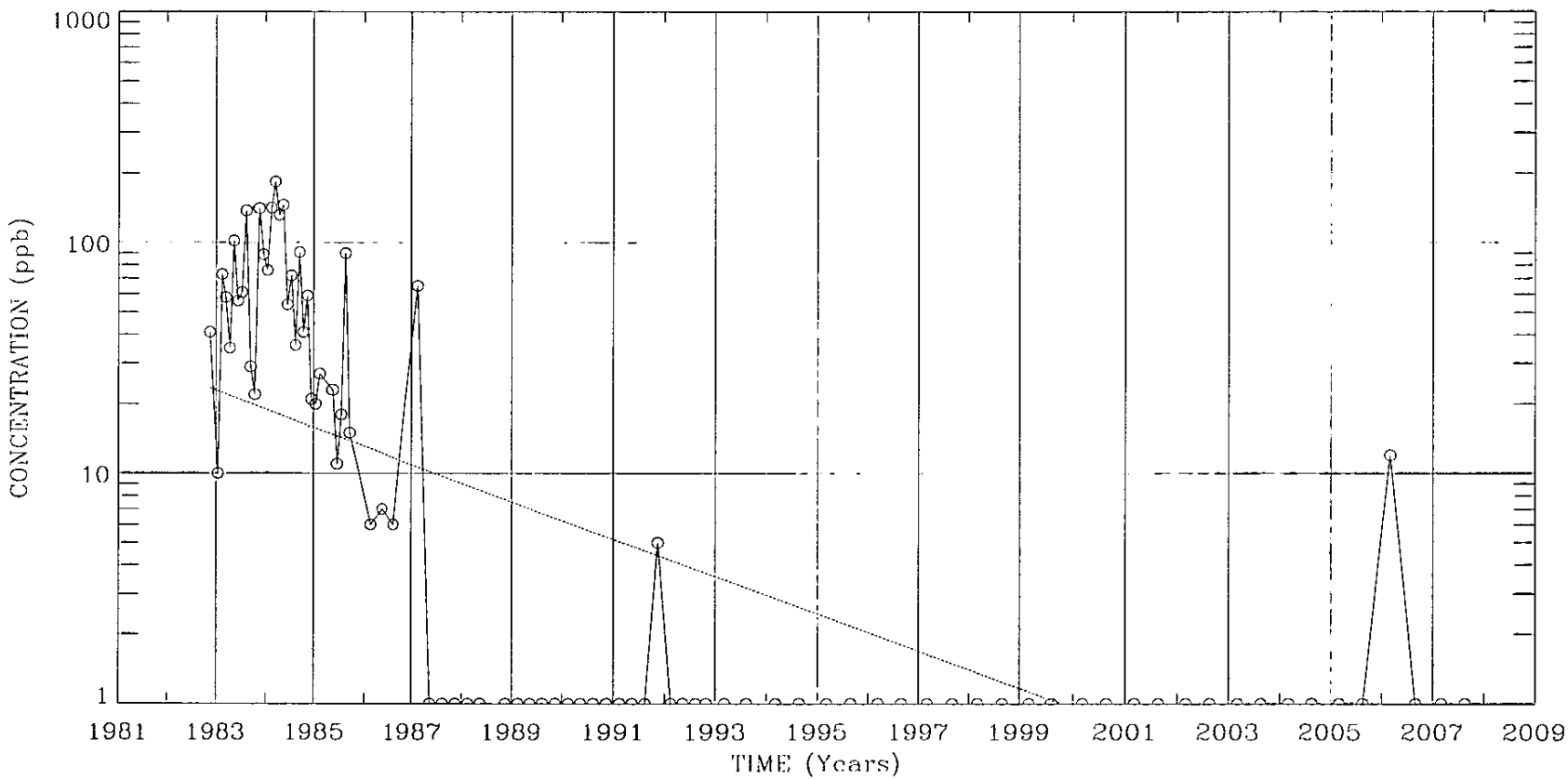

REGRESSION LINE EQUATION: $Y = 1.638E-008e^{0.2057x}$

Well 07B UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



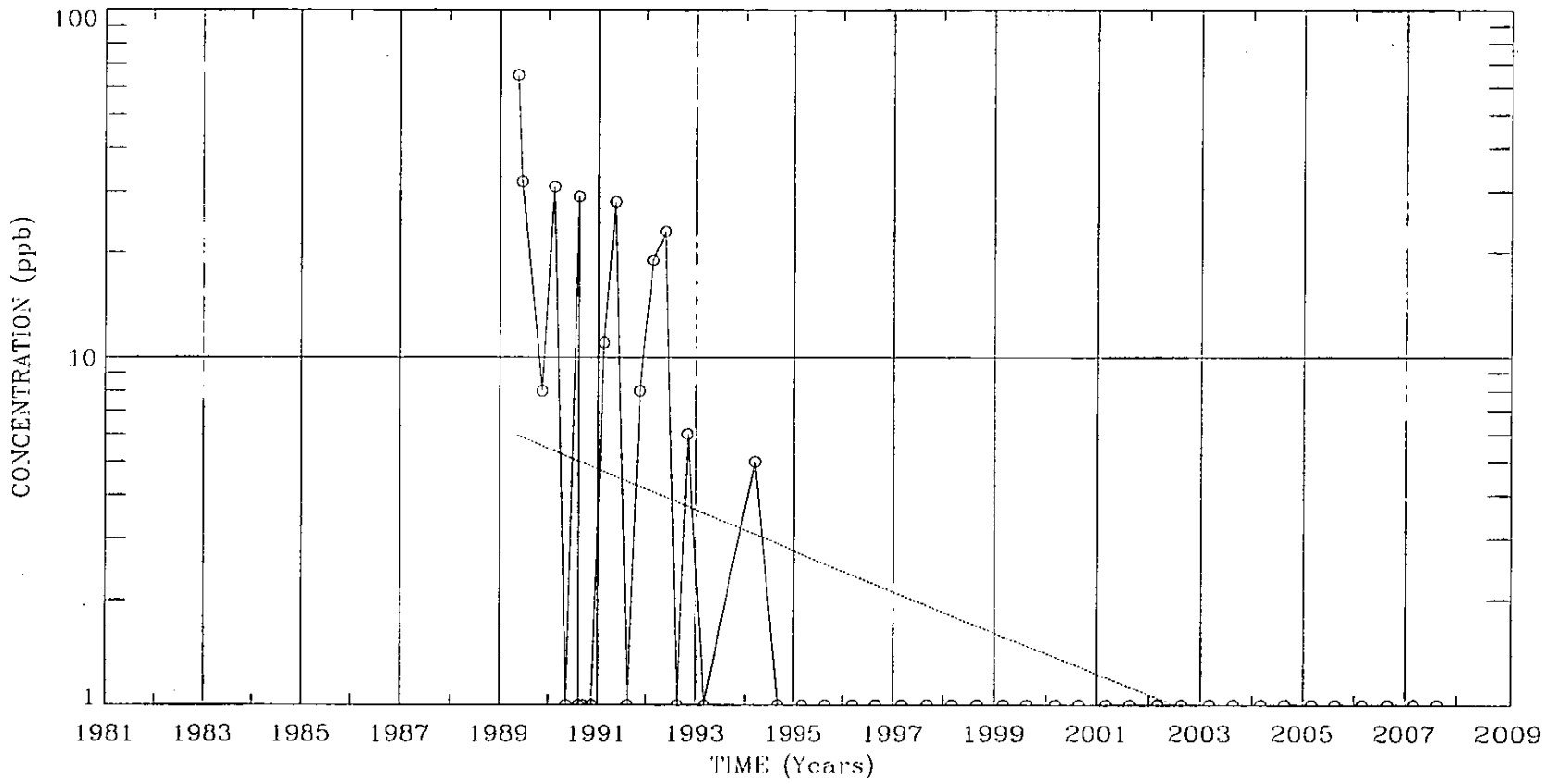

REGRESSION LINE EQUATION: $Y = 2.561E-006e^{0.1942x}$

Well 08B UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



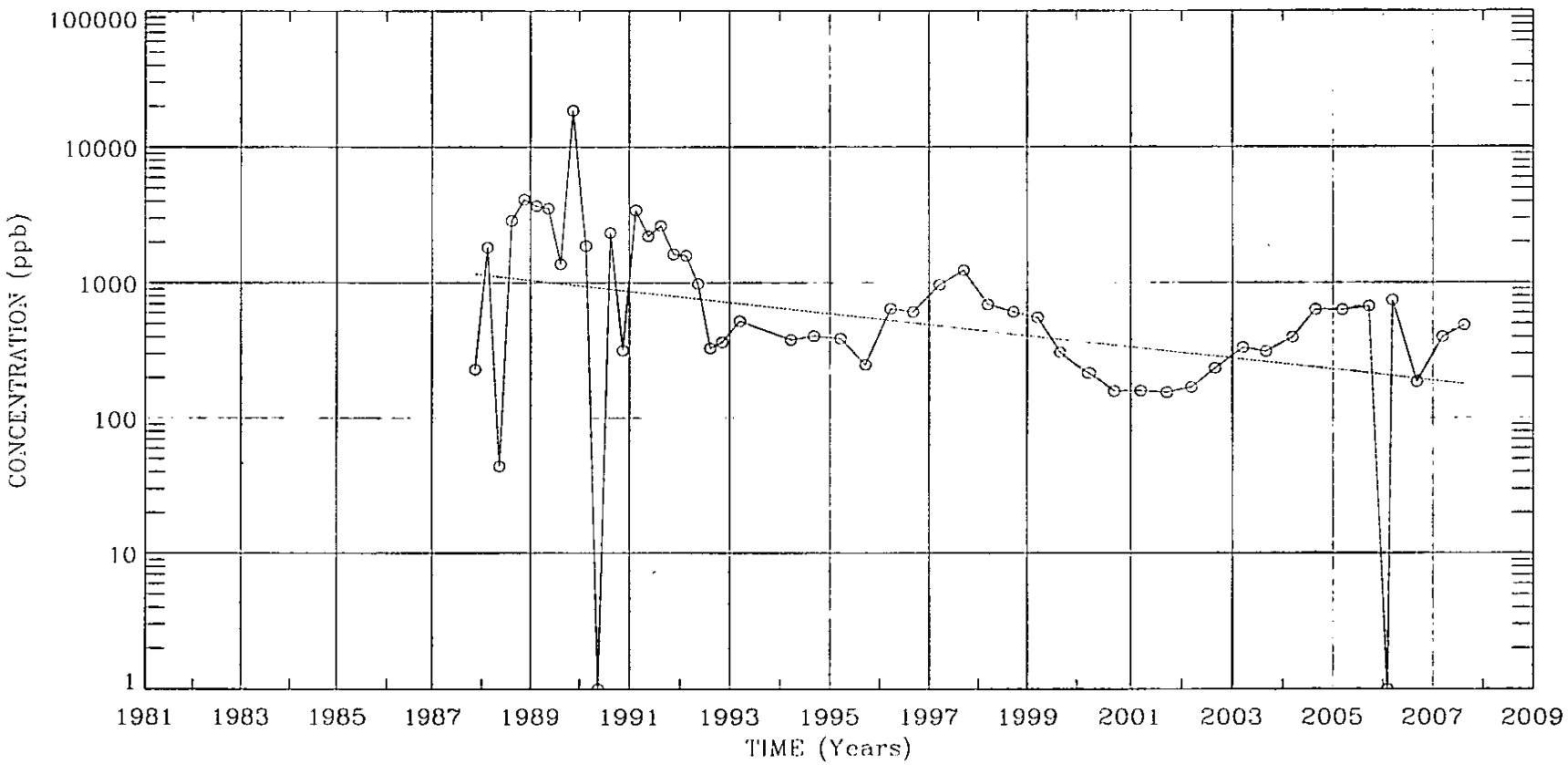

REGRESSION LINE EQUATION: $Y = 1.180E+008e^{-0.1862x}$

Well 08B-1 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



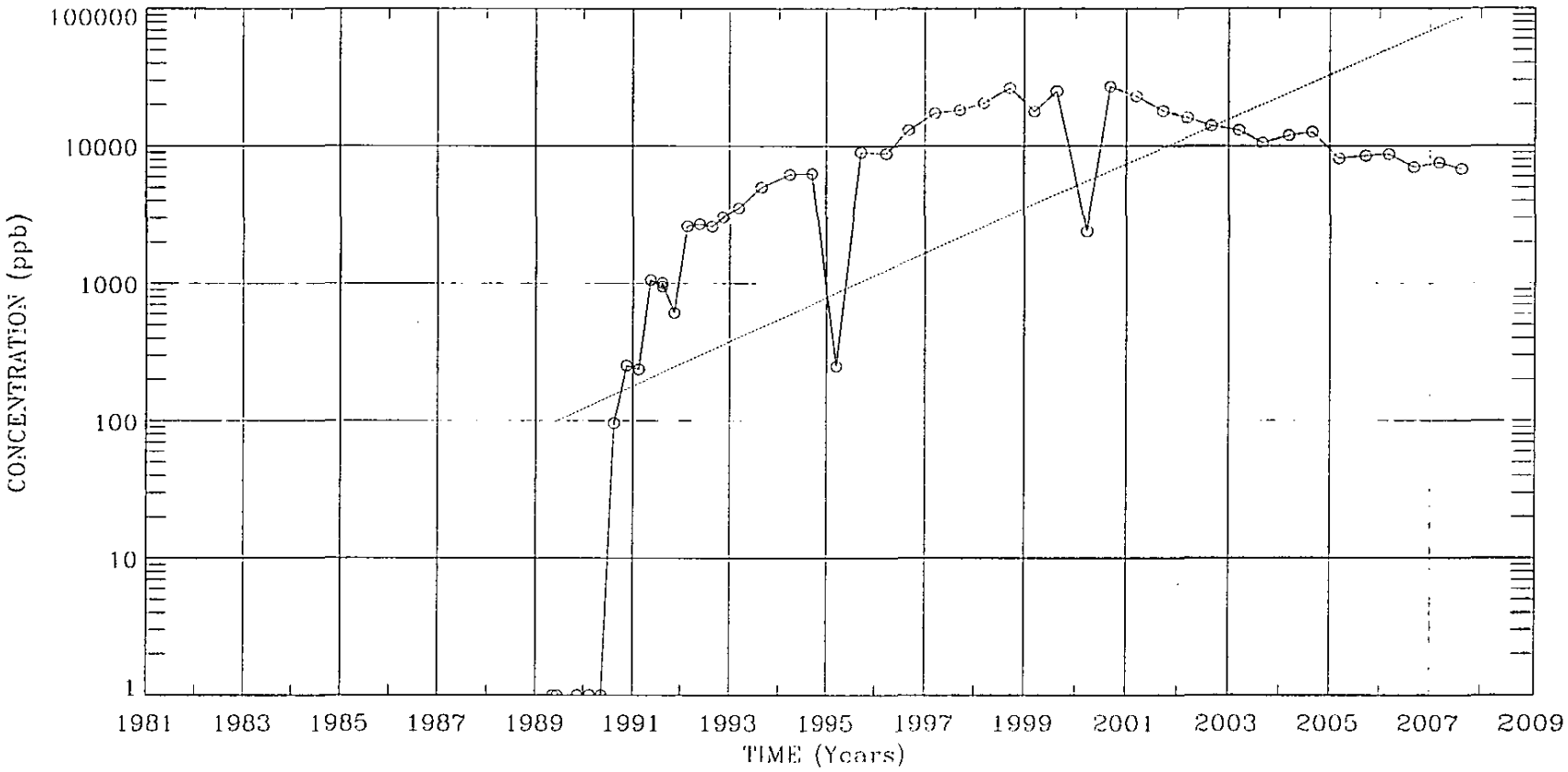

REGRESSION LINE EQUATION: $Y = 1.099E+006e^{0.1357x}$

Well 09A UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



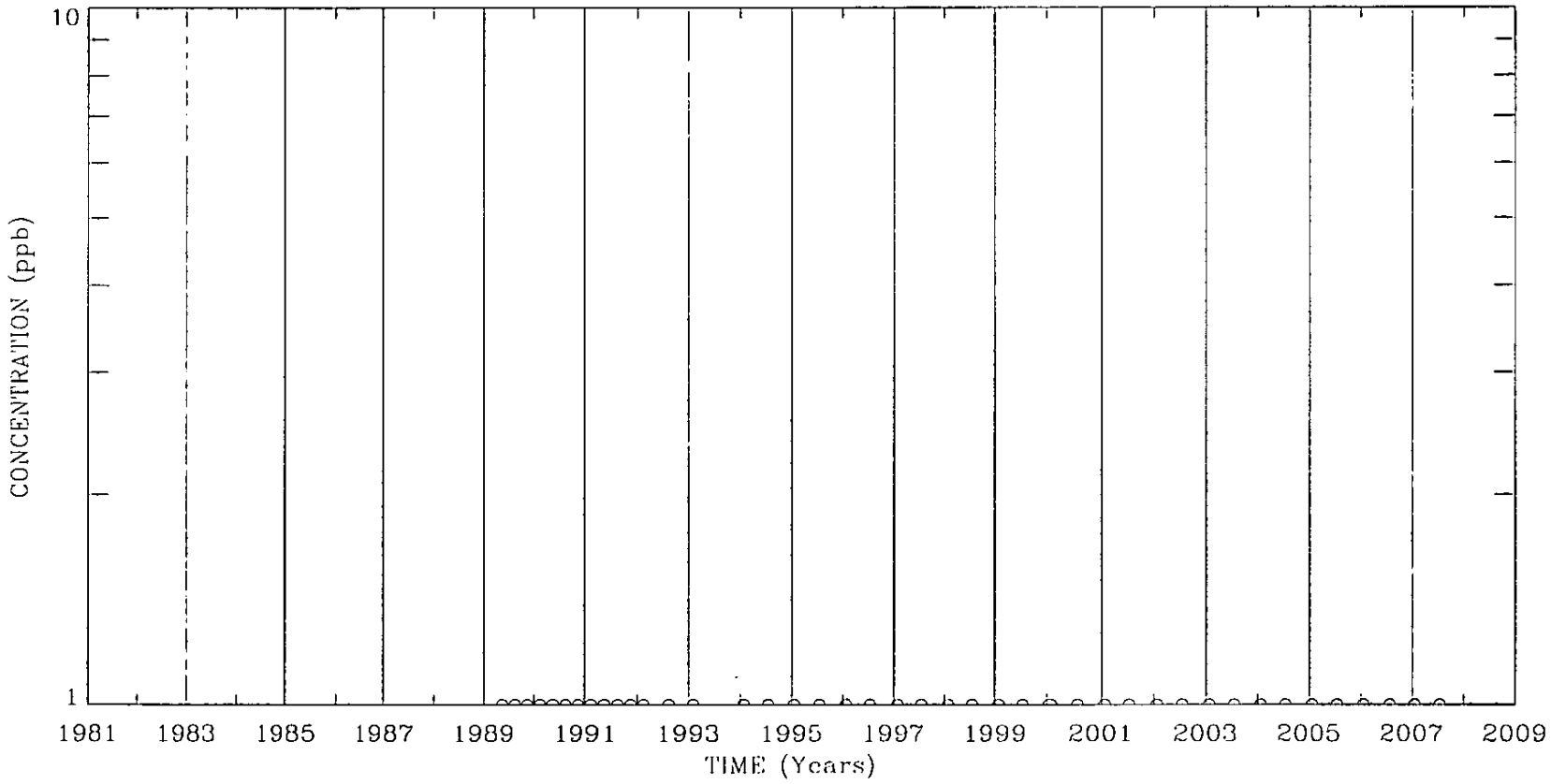

REGRESSION LINE EQUATION: $Y = 4.711E+006e^{0.0946x}$

Well 09AW UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



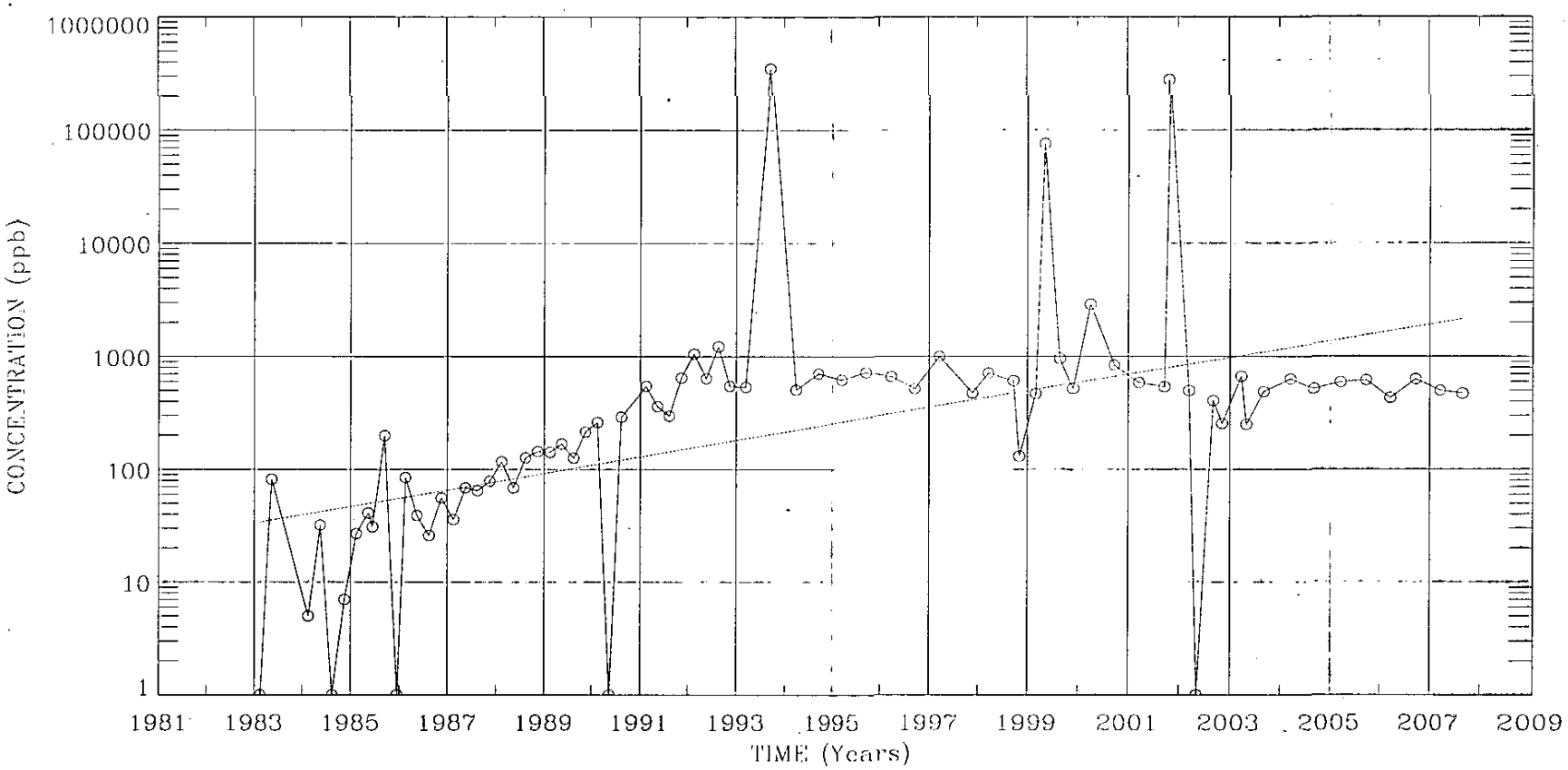

REGRESSION LINE EQUATION: $Y = 3.449E-013e^{0.3723x}$

Well 09B-1 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



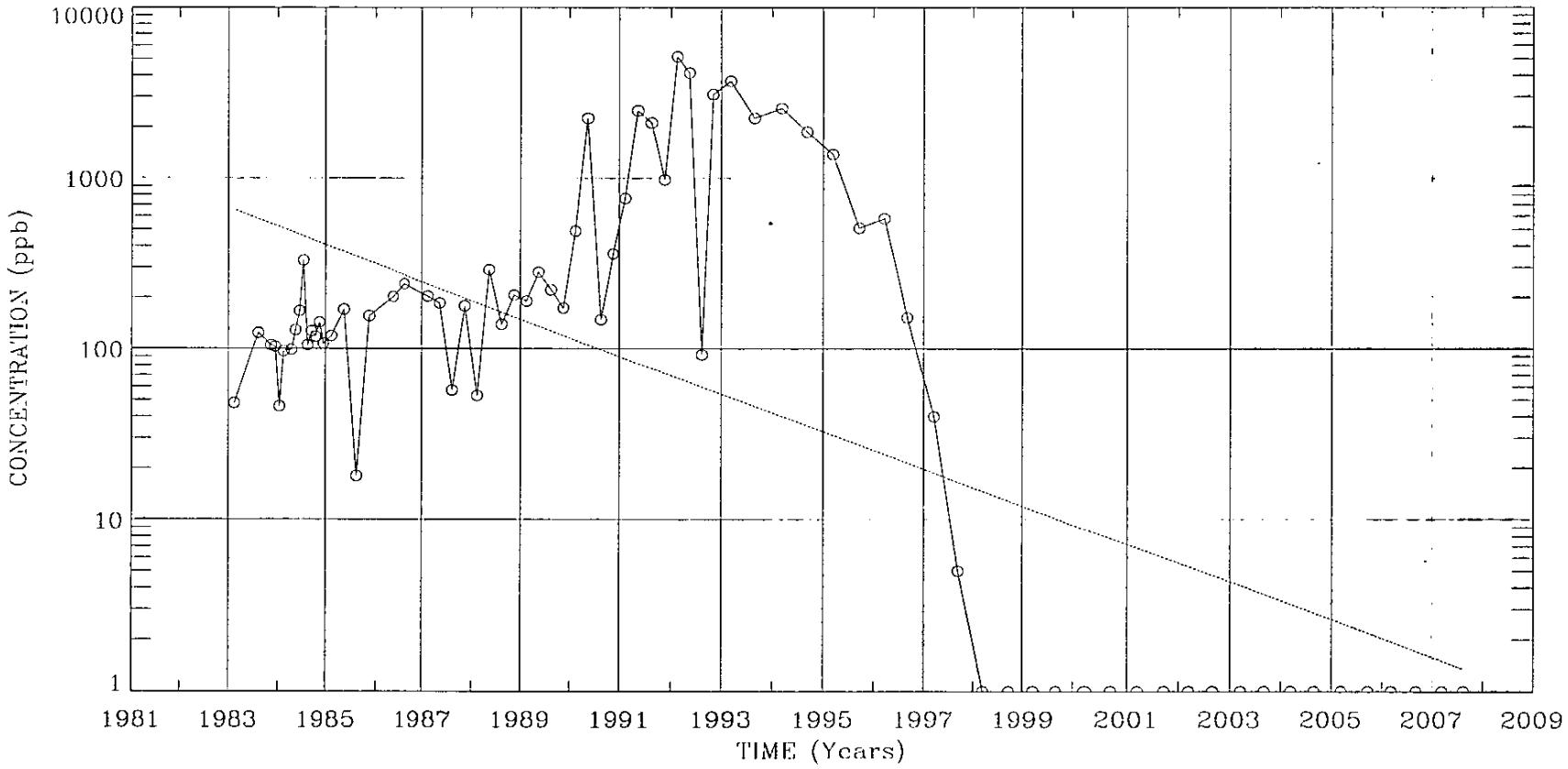

REGRESSION LINE EQUATION: $Y = e^{NaN} e^{NaNx}$

Well 10A UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



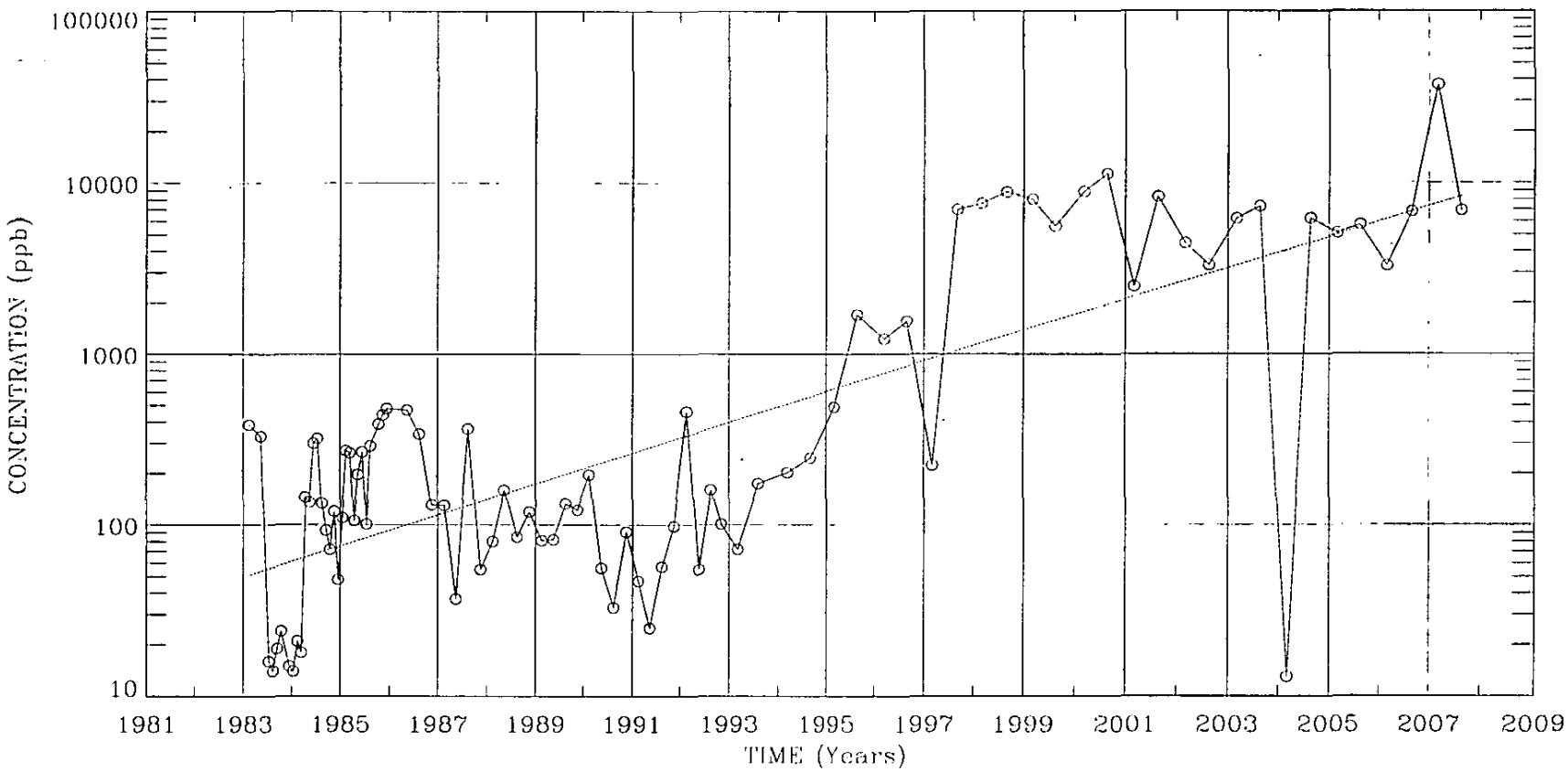

REGRESSION LINE EQUATION: $Y = 2.738E-005e^{0.1689x}$

Well 11A UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



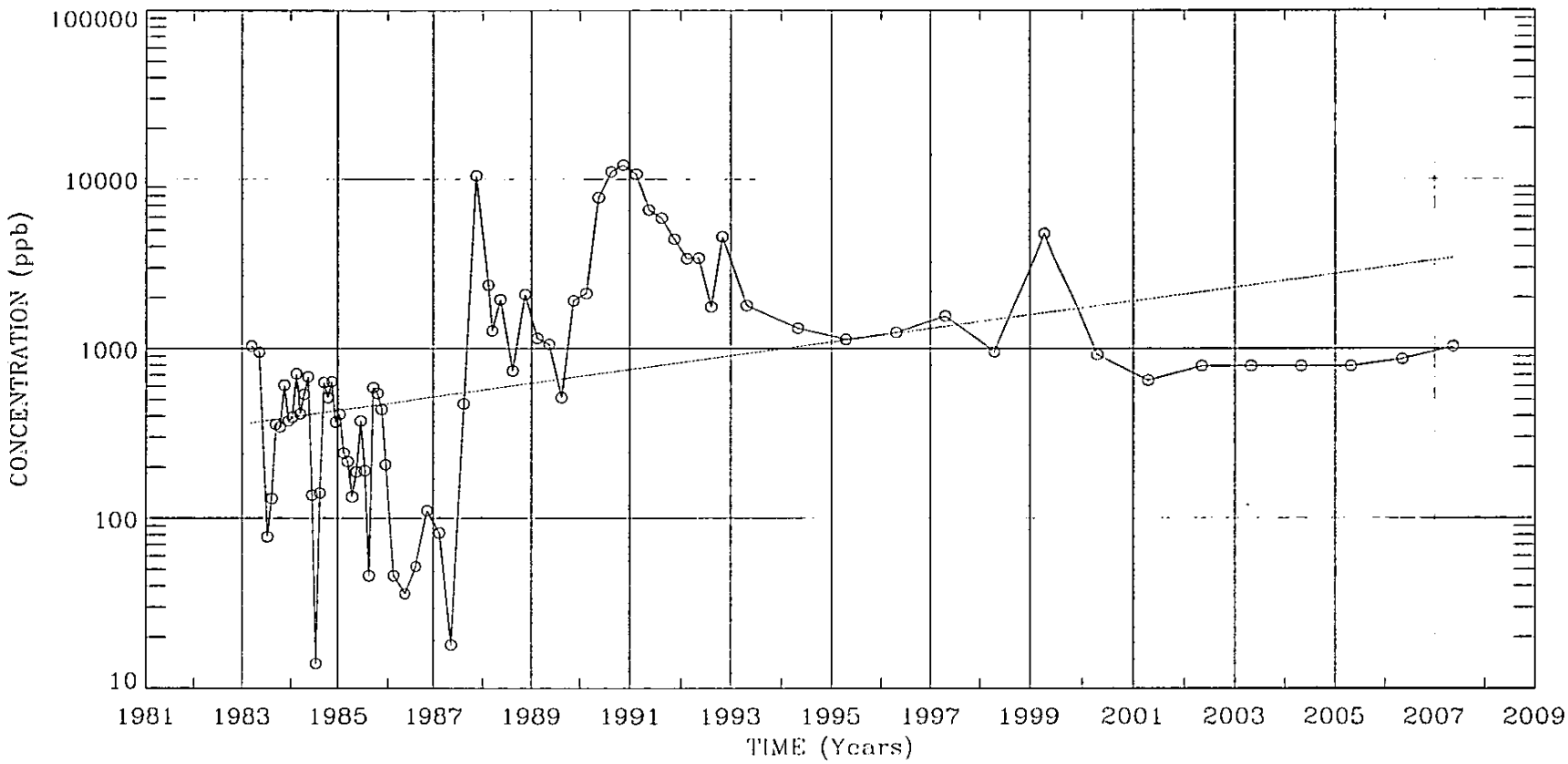

REGRESSION LINE EQUATION: $Y = 8.404E+011e^{0.2523x}$

Well 12A UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



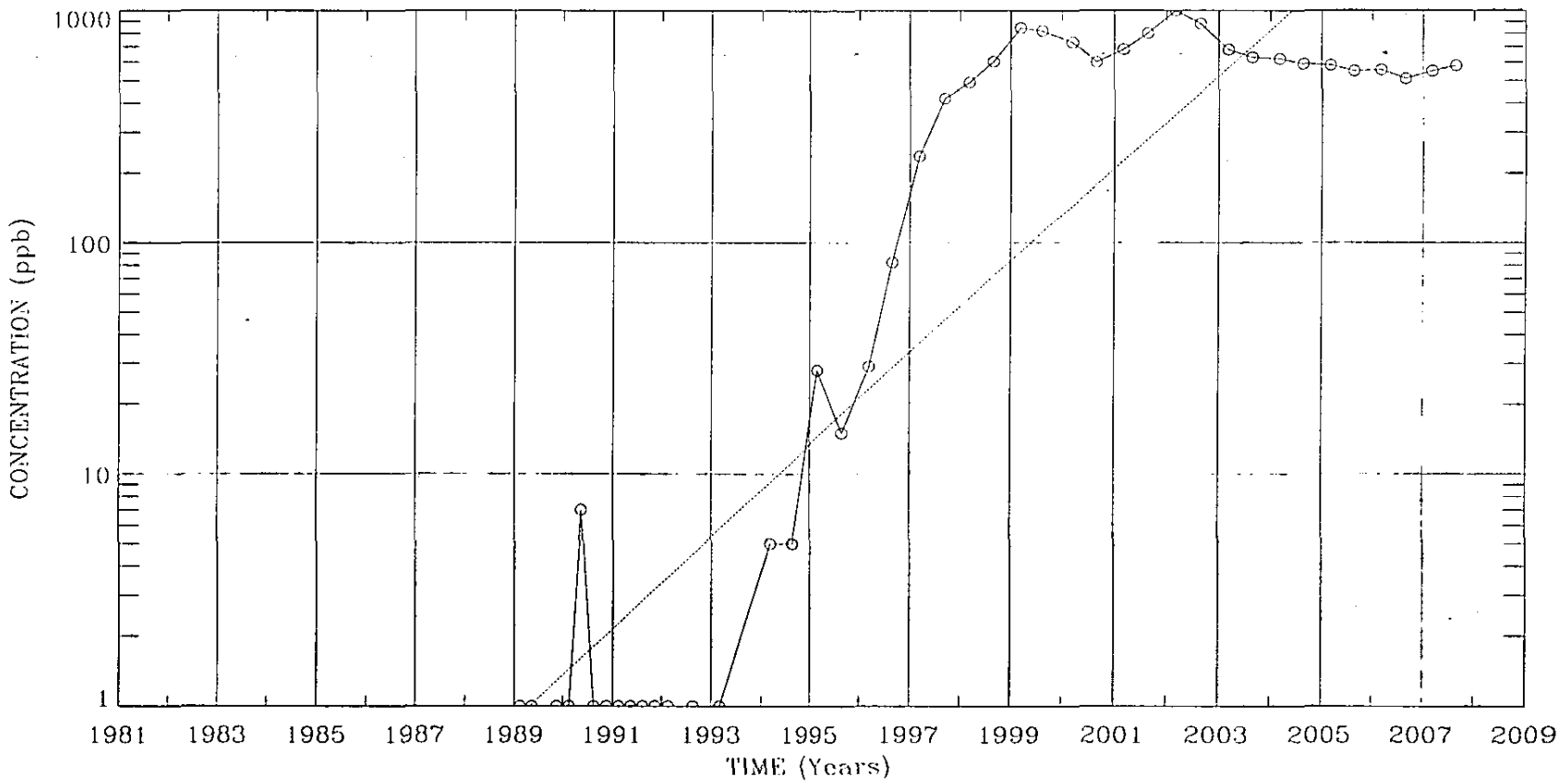

REGRESSION LINE EQUATION: $Y = 1.579E-006e^{0.2080x}$

Well 13A UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



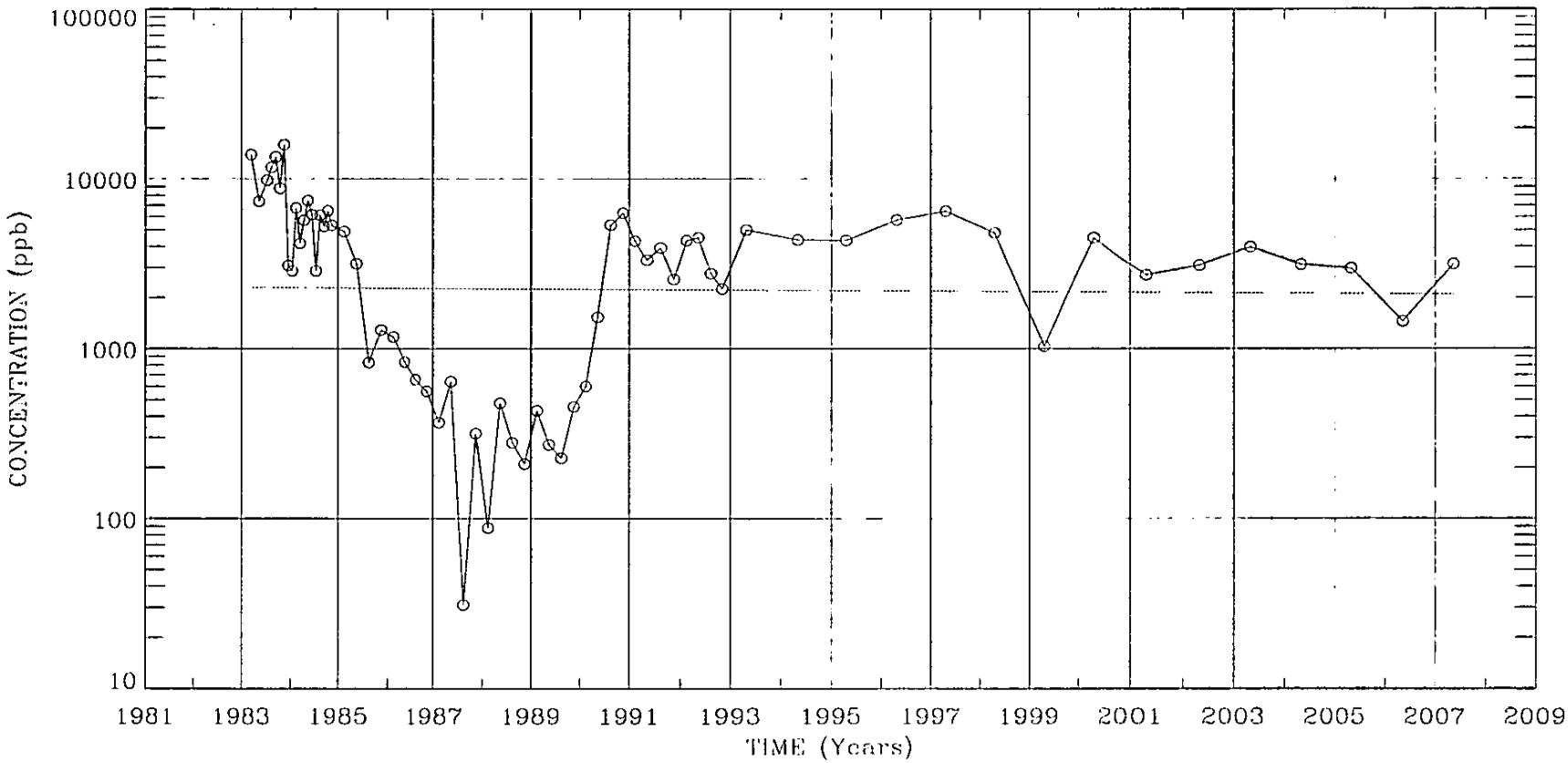

REGRESSION LINE EQUATION: $Y = 1.624E-001e^{0.0928x}$

Well 13AR UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



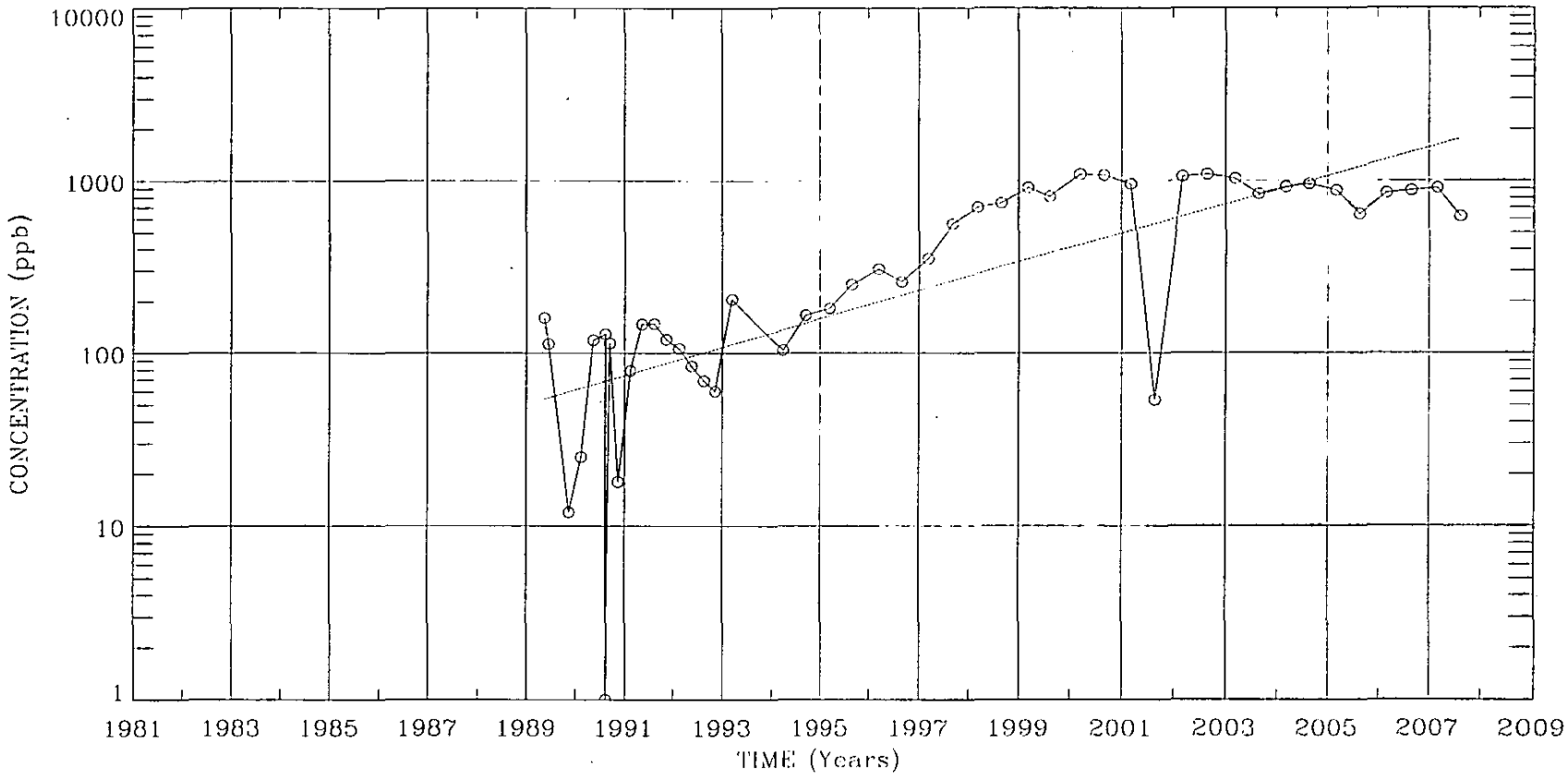

REGRESSION LINE EQUATION: $Y = 1.776E-018e^{0.4576x}$

Well 13B UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



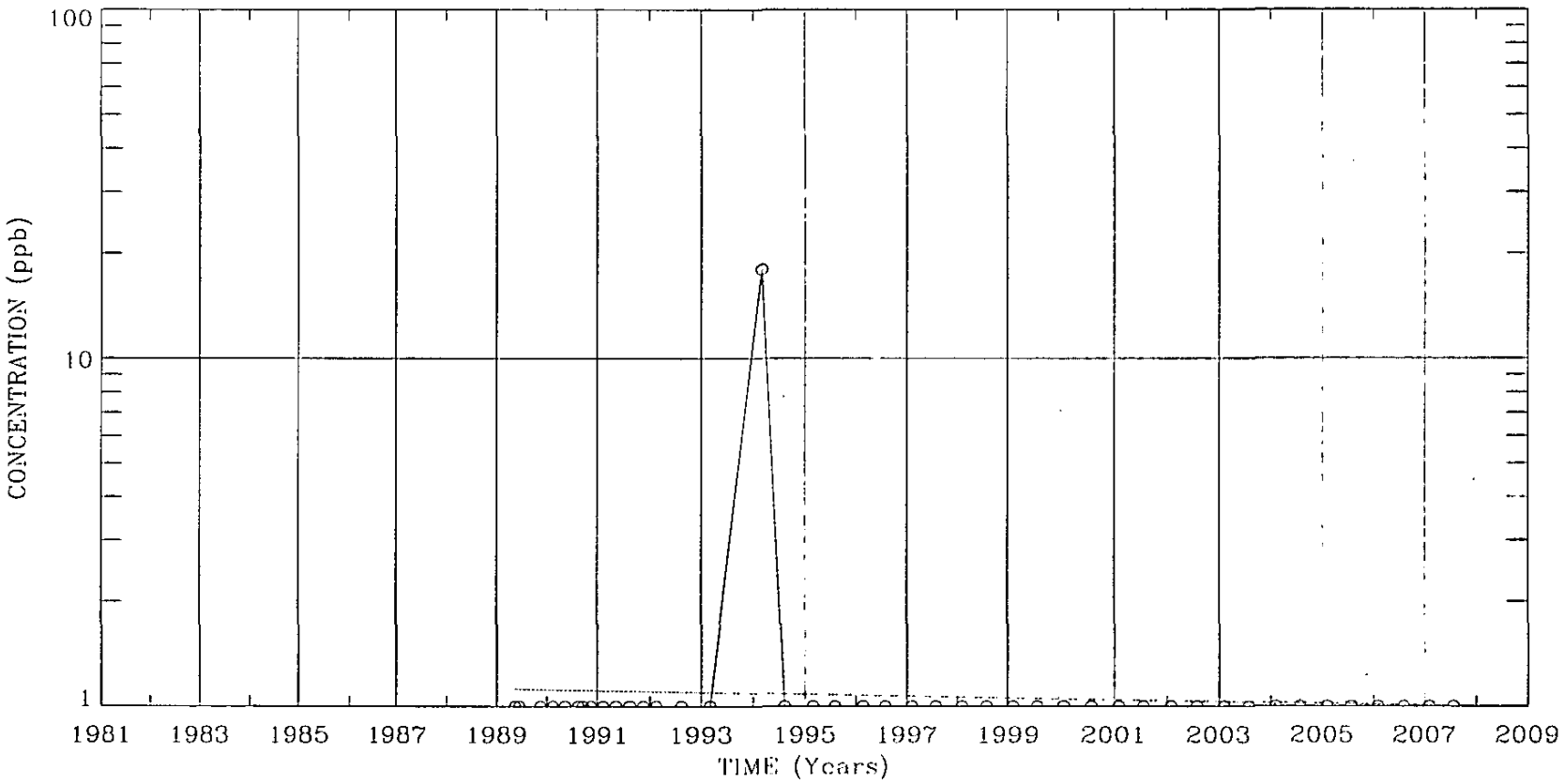

REGRESSION LINE EQUATION: $Y = 3.129E+003e^{0.0037x}$

Well 13B-1 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



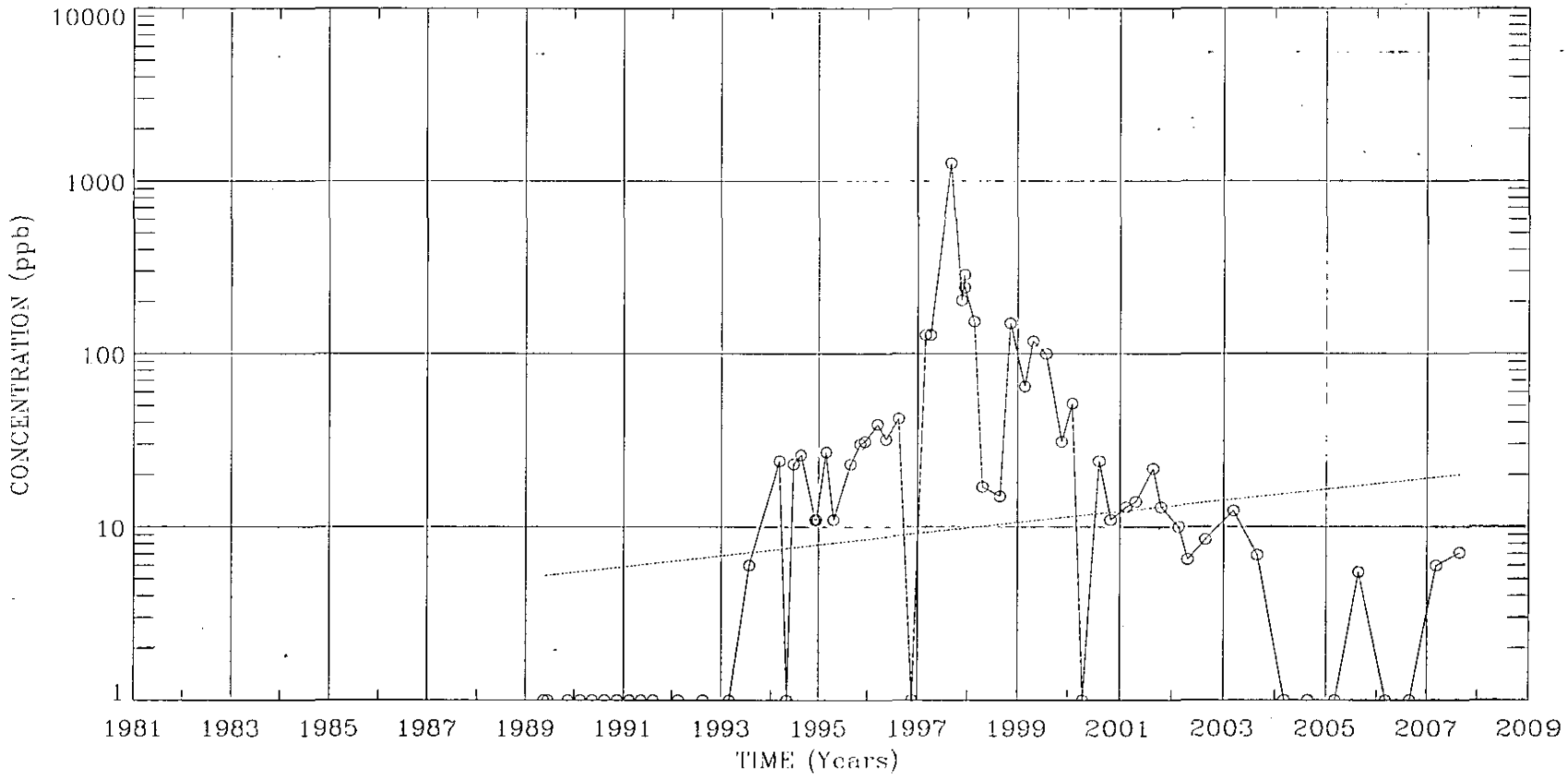

REGRESSION LINE EQUATION: $Y = 2.177E-006e^{0.1906x}$

Well 13B-2 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



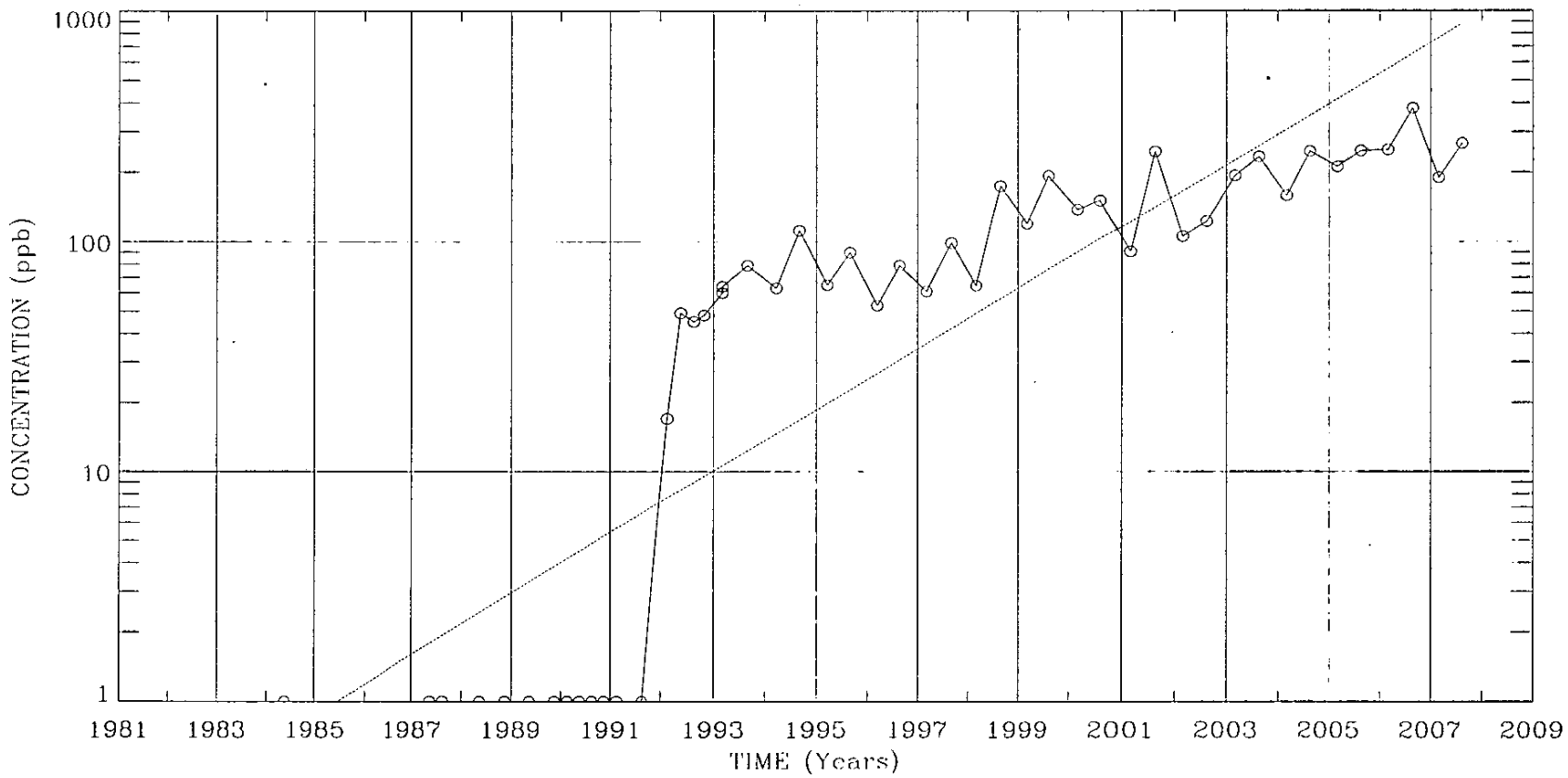

REGRESSION LINE EQUATION: $Y = 1.939E+000e^{0.0061x}$

Well 13C UNIT 8
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



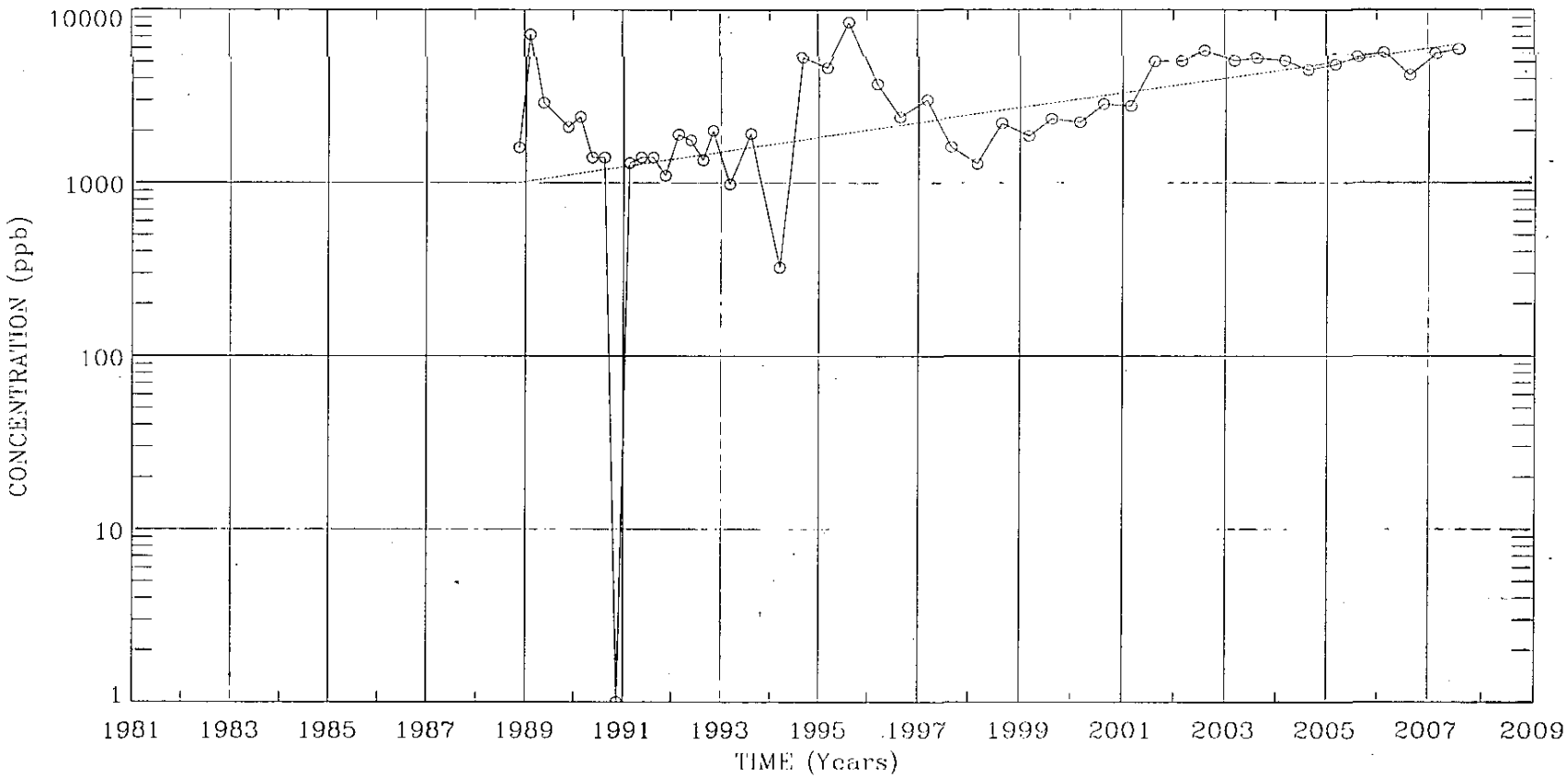

REGRESSION LINE EQUATION: $Y = 7.322E-003e^{0.0735x}$

Well 20A UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



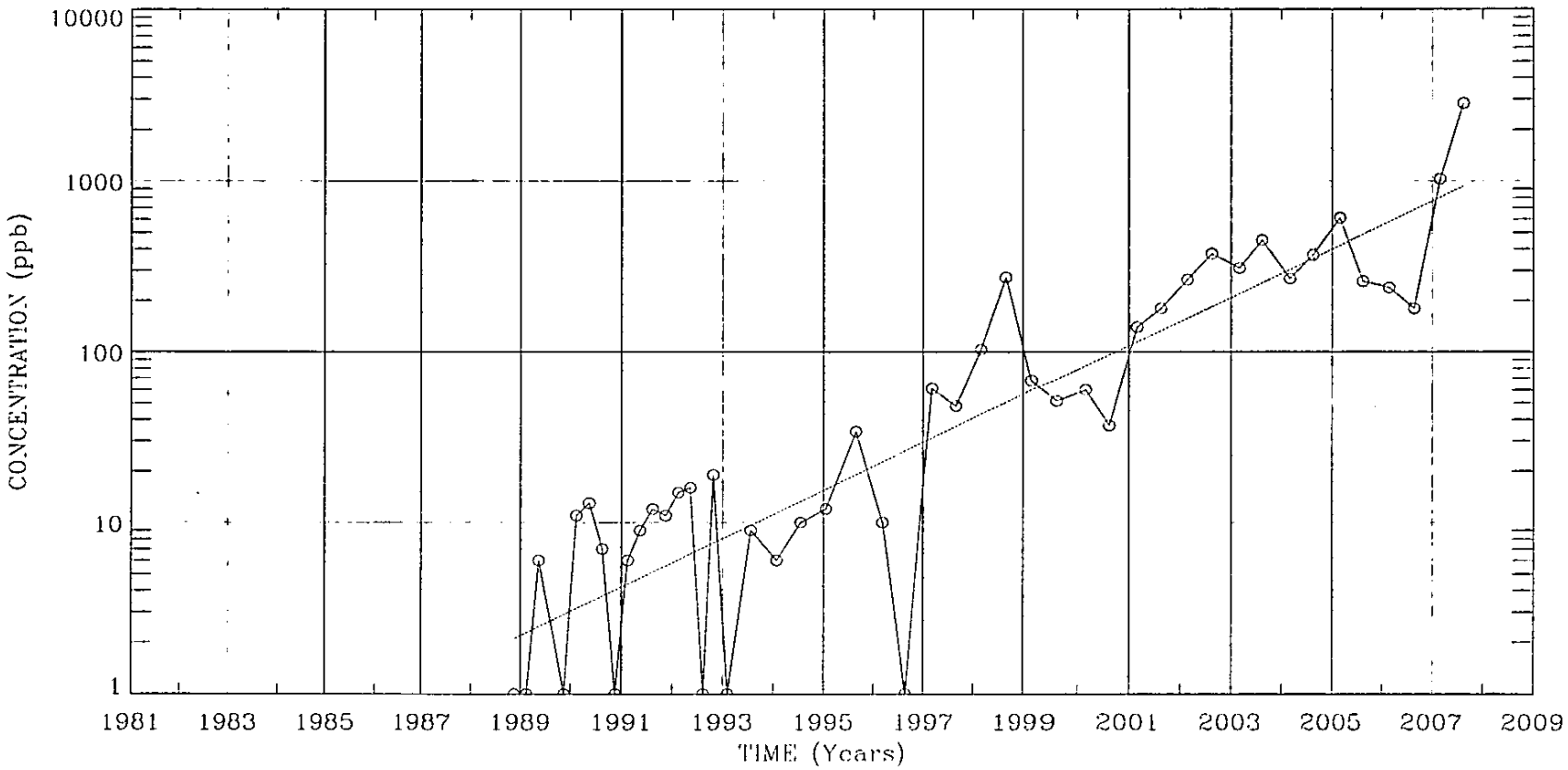

REGRESSION LINE EQUATION: $Y = 4.4261E{-}012e^{0.3059x}$

Well 21A UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



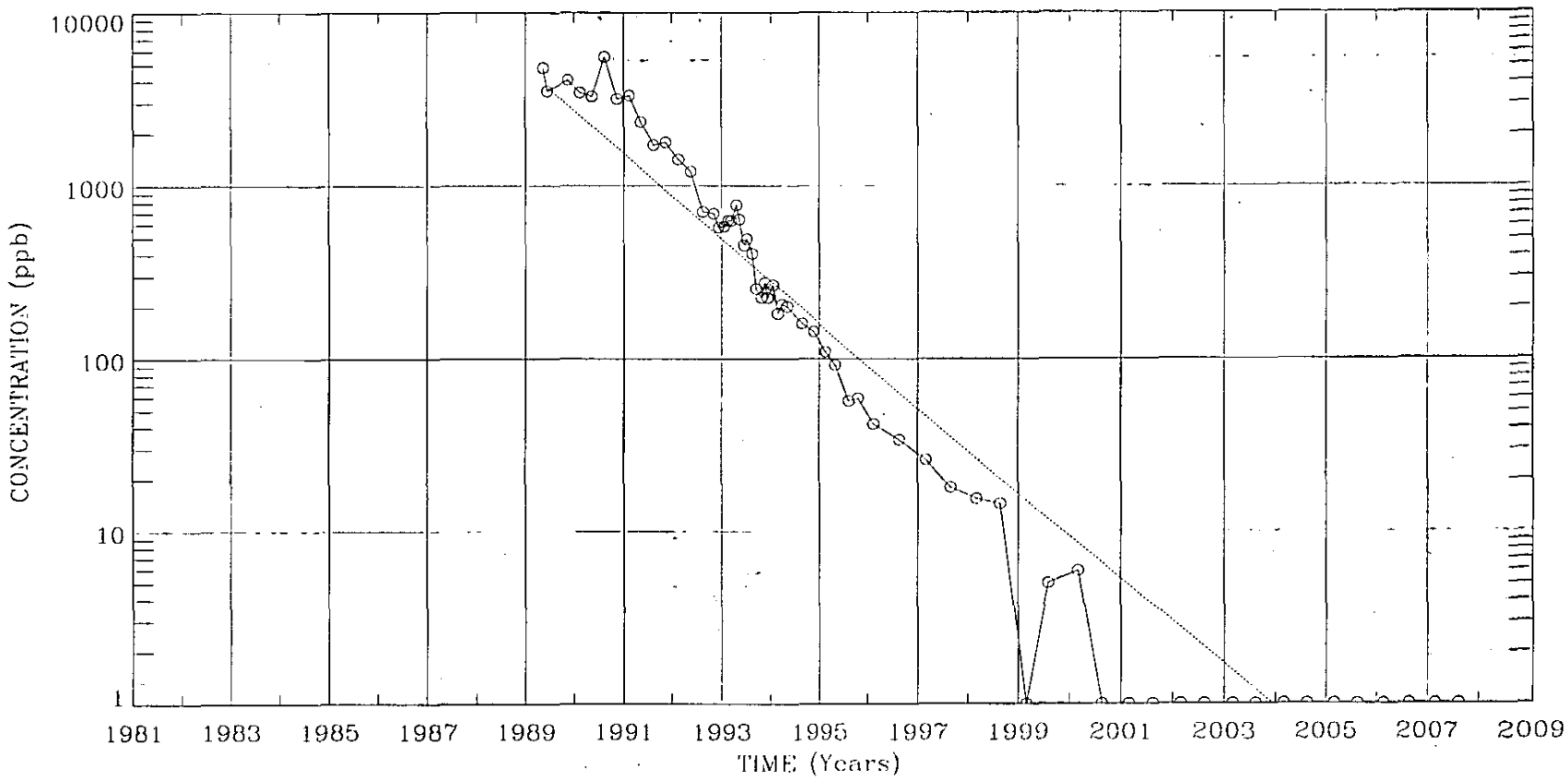

REGRESSION LINE EQUATION: $Y = 1.616E-001e^{0.0983x}$

Well 21B-1 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



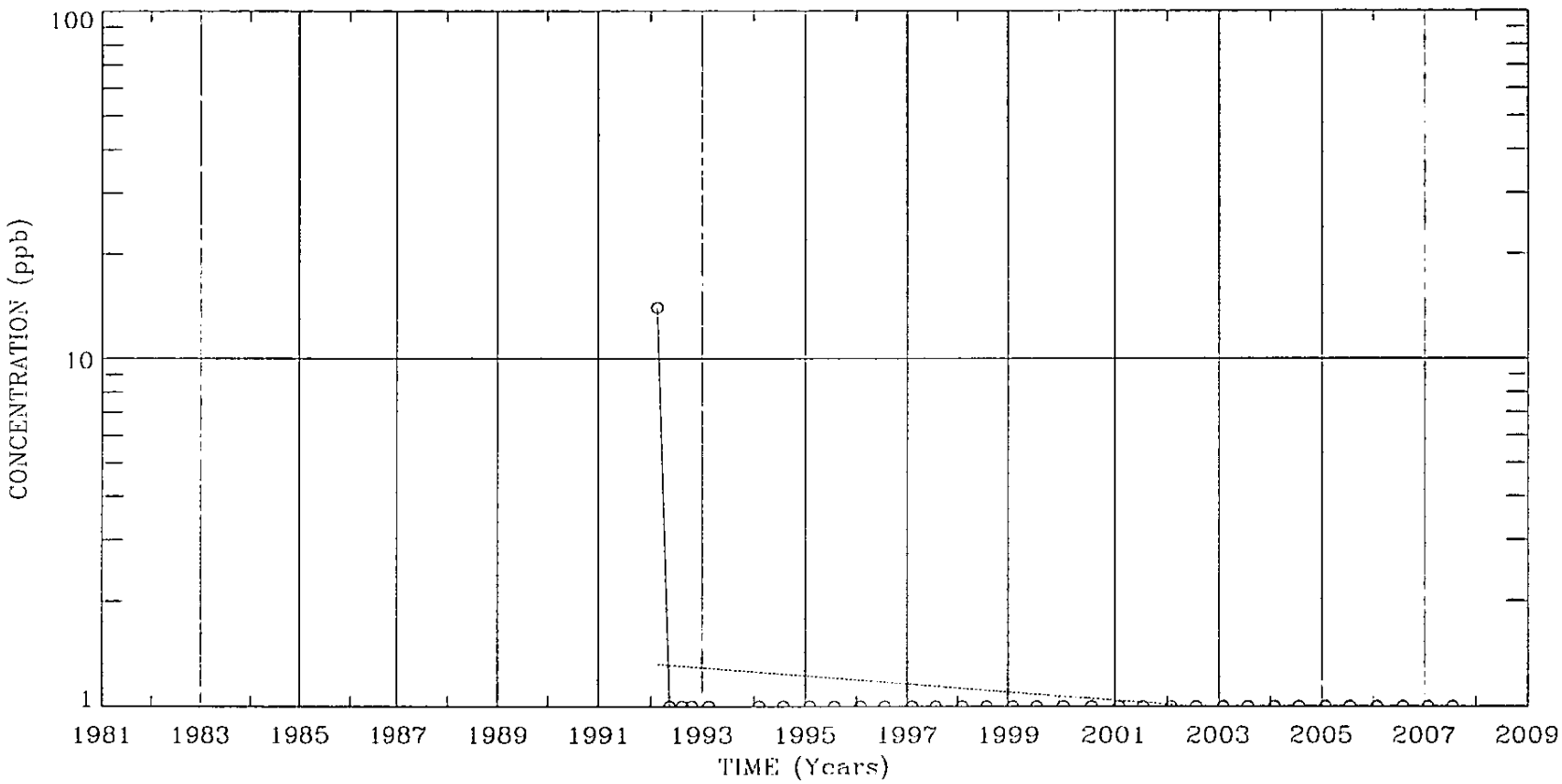

REGRESSION LINE EQUATION: $Y = 5.723E-013e^{0.3255x}$

Well 23B-1 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



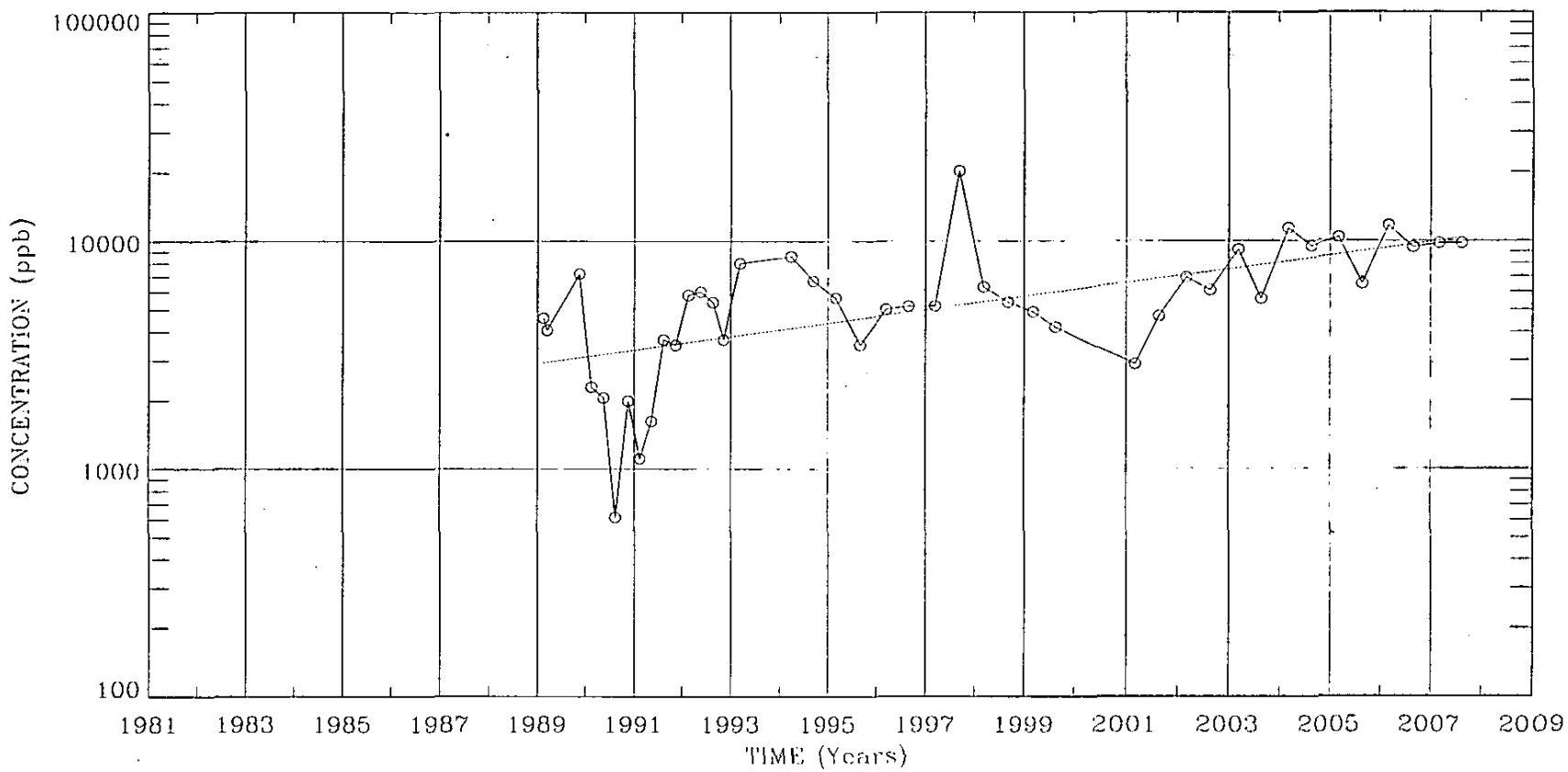

REGRESSION LINE EQUATION: $Y = 4.046E+025e^{0.5672x}$

Well 23B-2 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



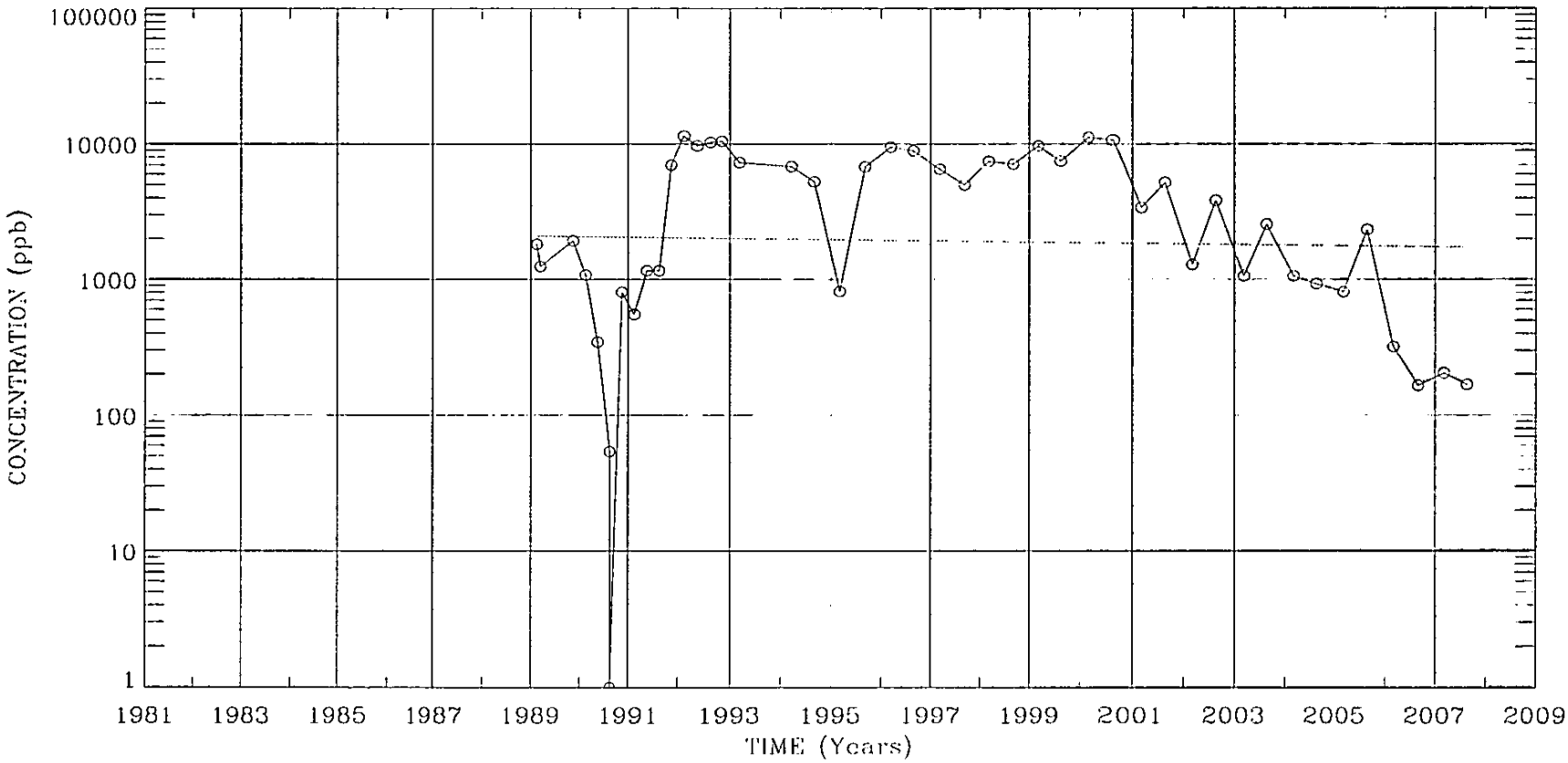

REGRESSION LINE EQUATION: $Y = 1.519E+001e^{0.0265x}$

Well 24A UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



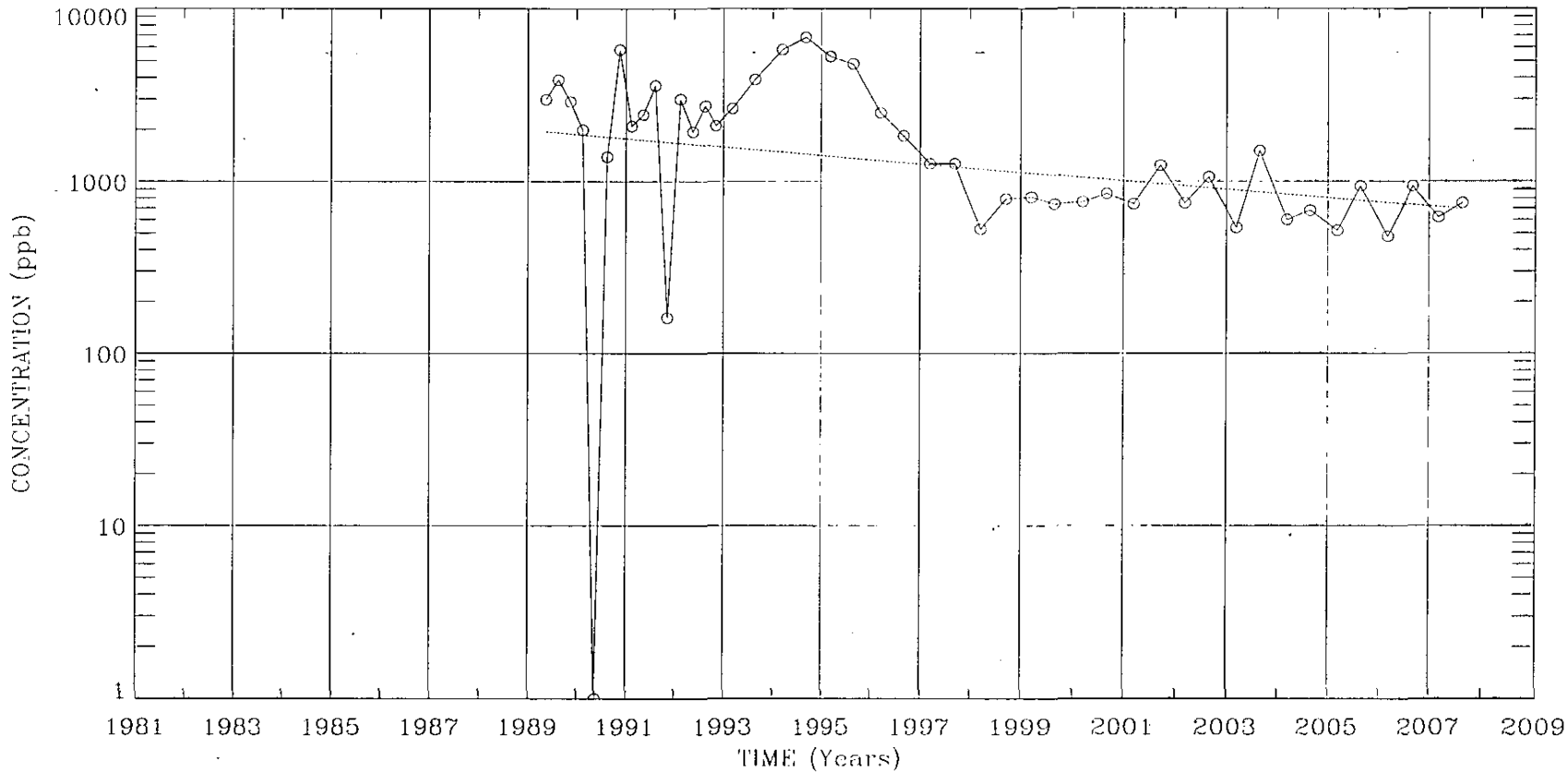

REGRESSION LINE EQUATION: $Y = 6.781E+000e^{0.0681x}$

Well 24B-2 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



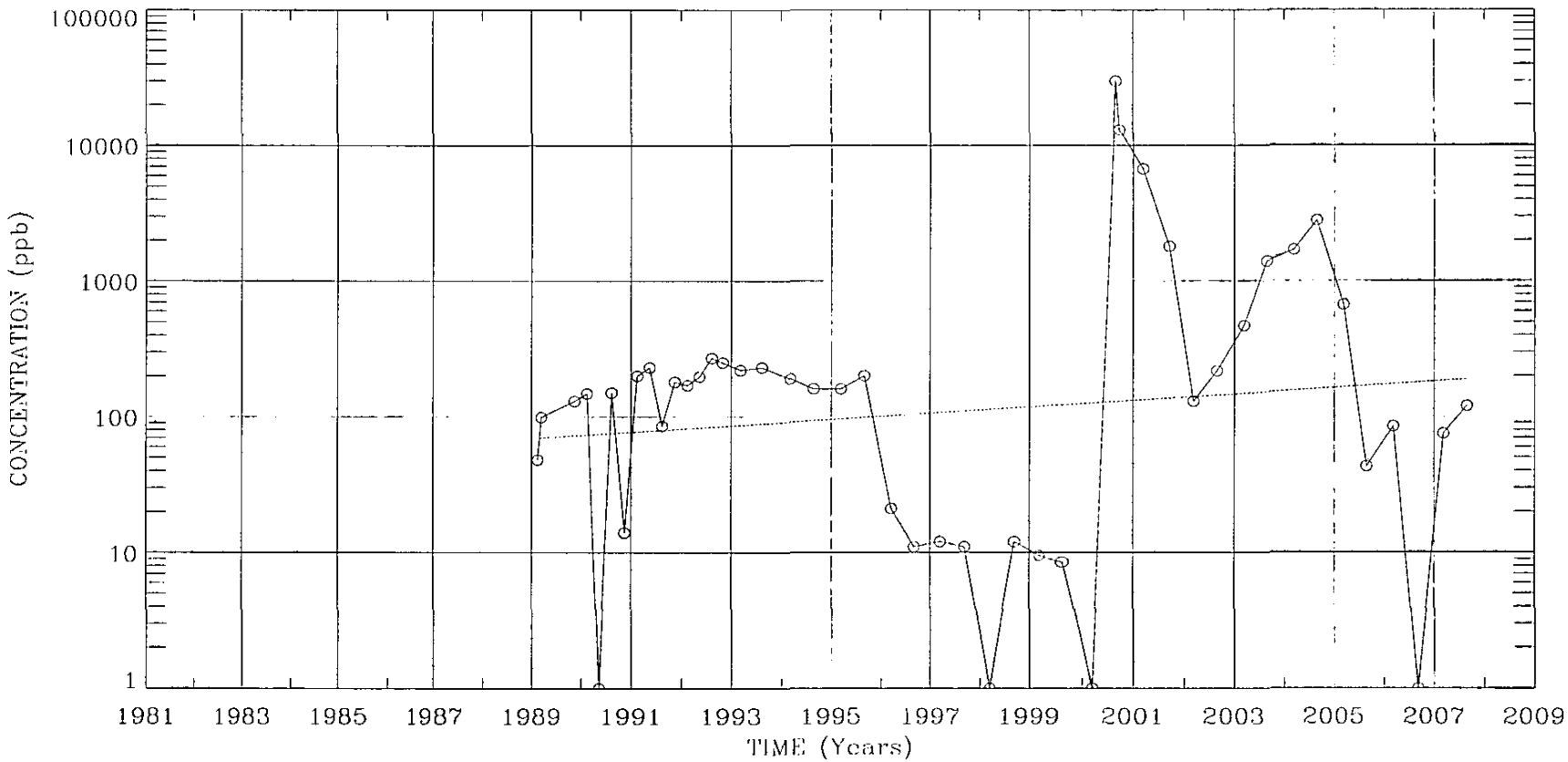

REGRESSION LINE EQUATION: $Y = 5.165E+003e^{0.0101x}$

Well 25A UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



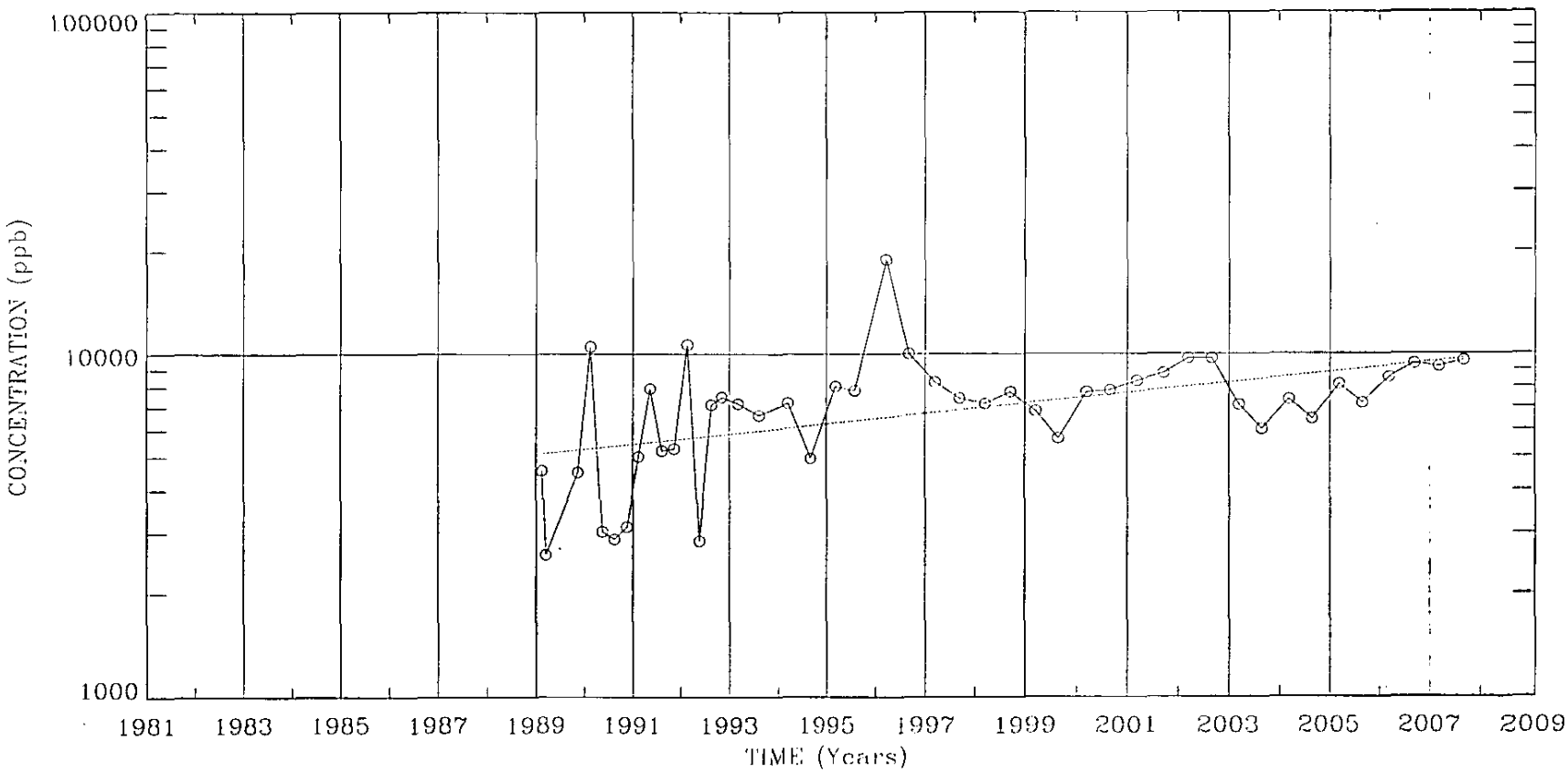

REGRESSION LINE EQUATION: $Y = 2.990E+005e^{0.0564x}$

Well 26A UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



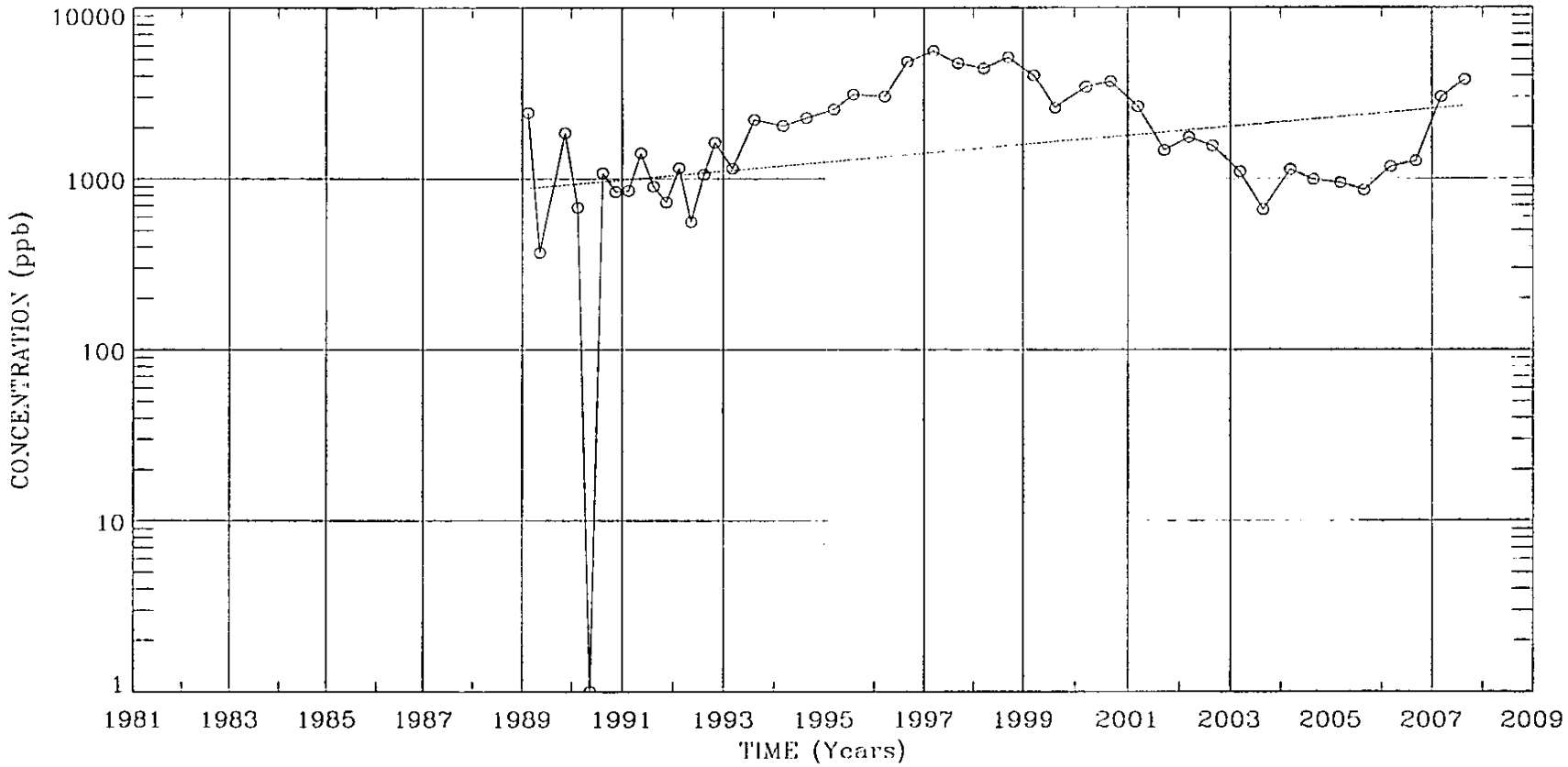

REGRESSION LINE EQUATION: $Y = 5.651E-001e^{0.0540x}$

Well 27A UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



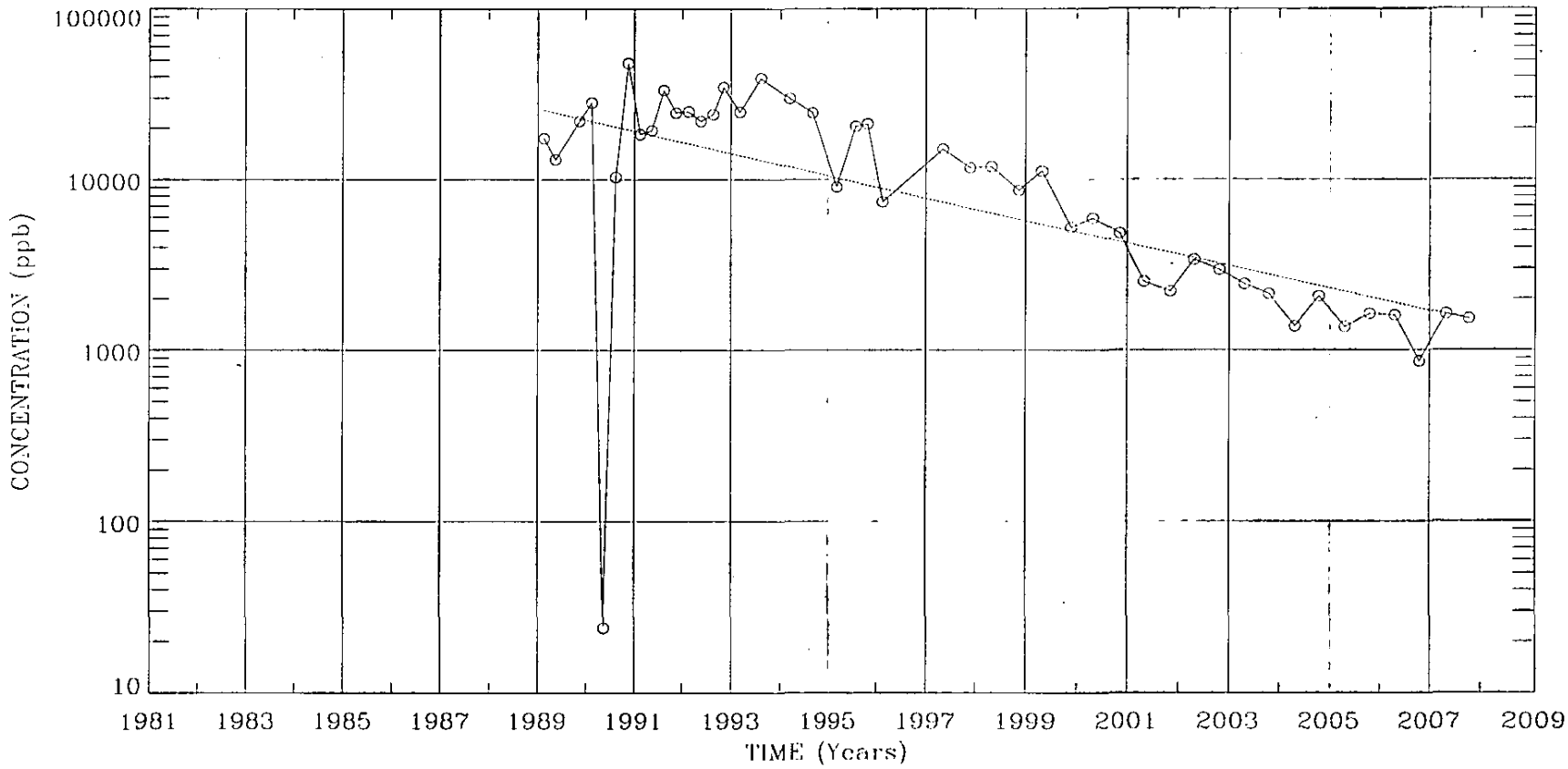

REGRESSION LINE EQUATION: $Y = 2.349E+002e^{0.0346x}$

Well 28A UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



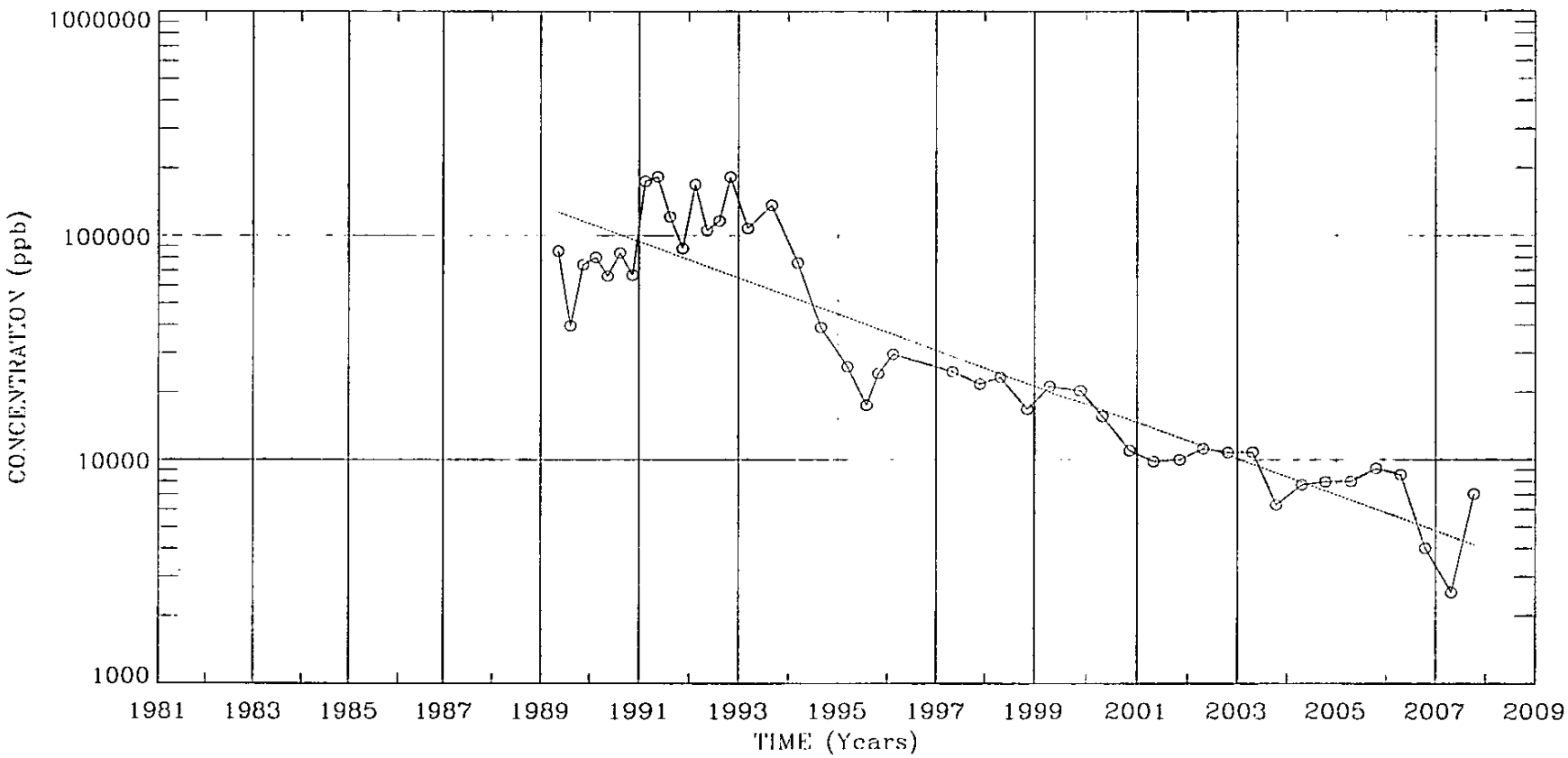

REGRESSION LINE EQUATION: $Y = 4.222E+000e^{0.0599x}$

Well 29A UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



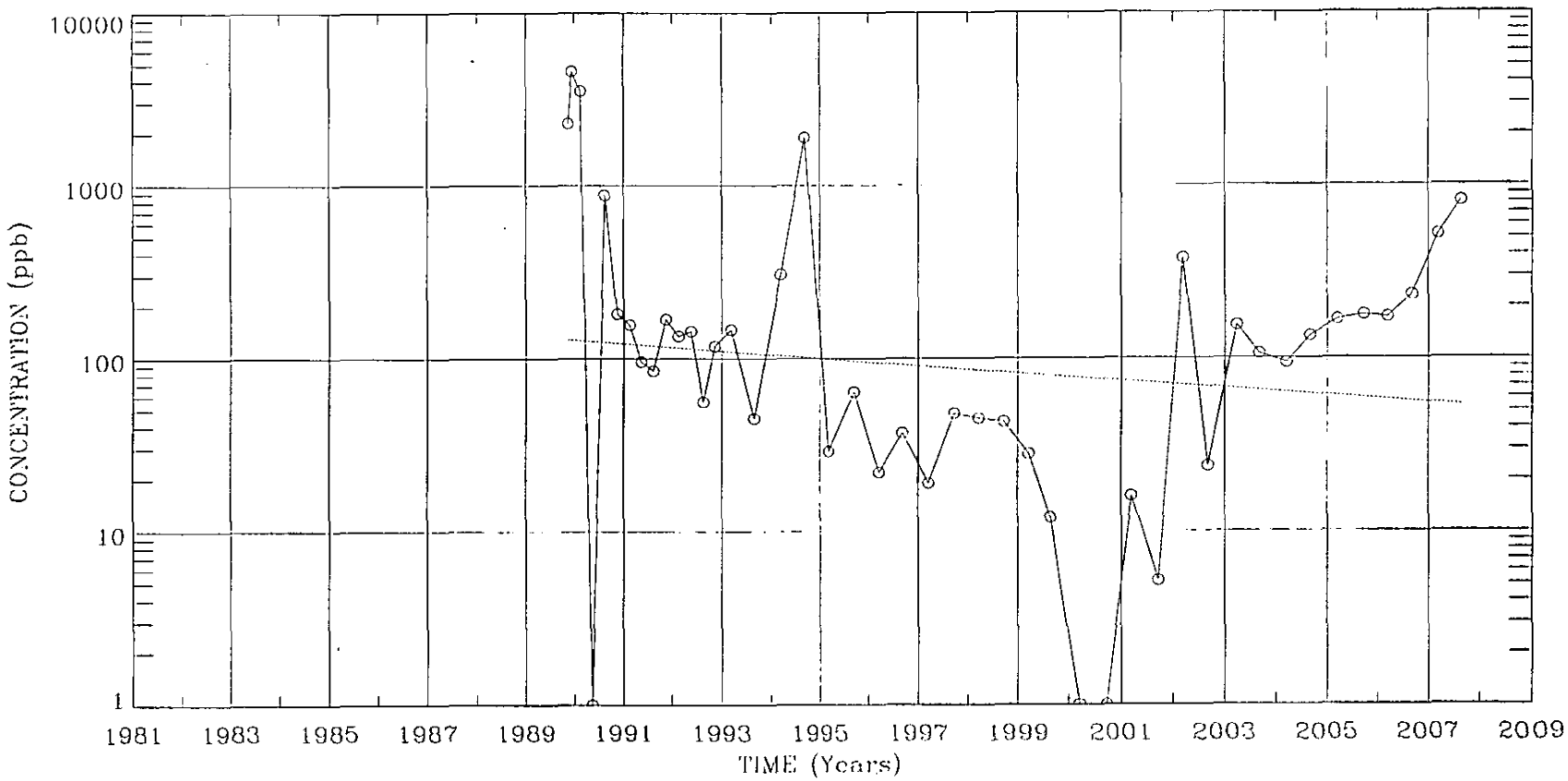

REGRESSION LINE EQUATION: $Y = 1.852E+010e^{0.1514x}$

Well 30A UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



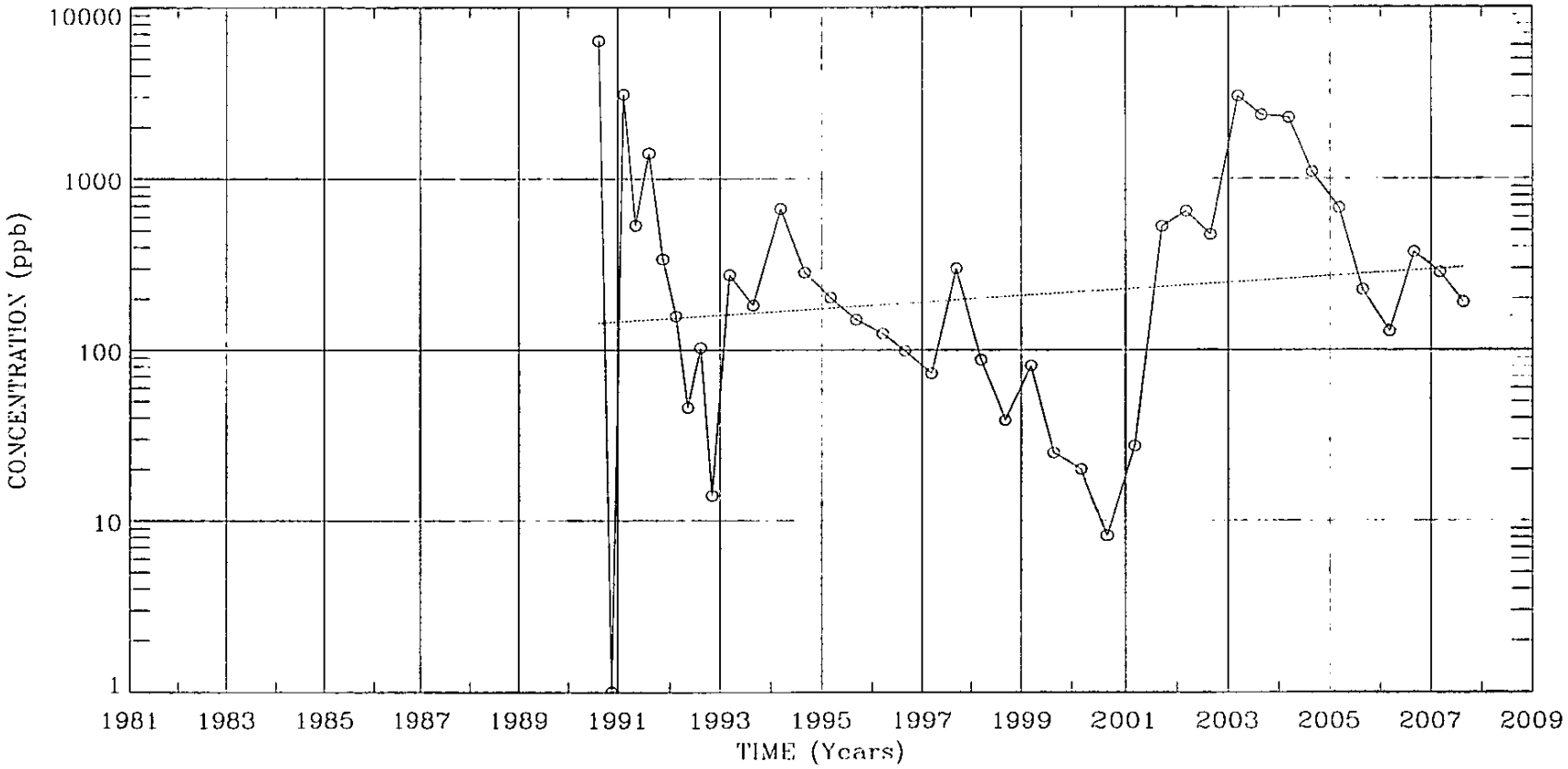

REGRESSION LINE EQUATION: $Y = 2.062E+012e^{0.1857x}$

Well 31B-2 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



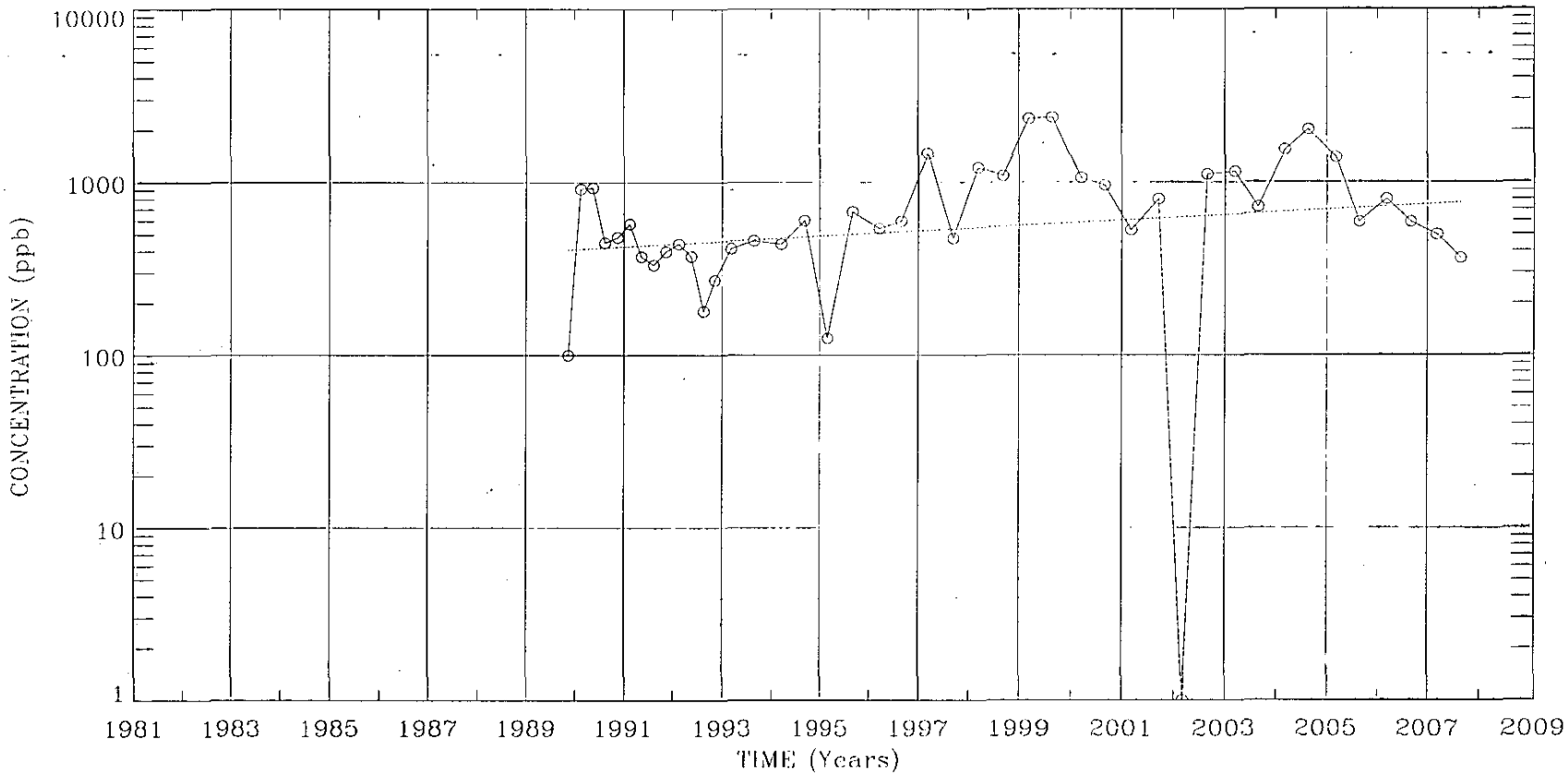

REGRESSION LINE EQUATION: $Y = 1.119E+004e^{0.0496x}$

Well 32B-1 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



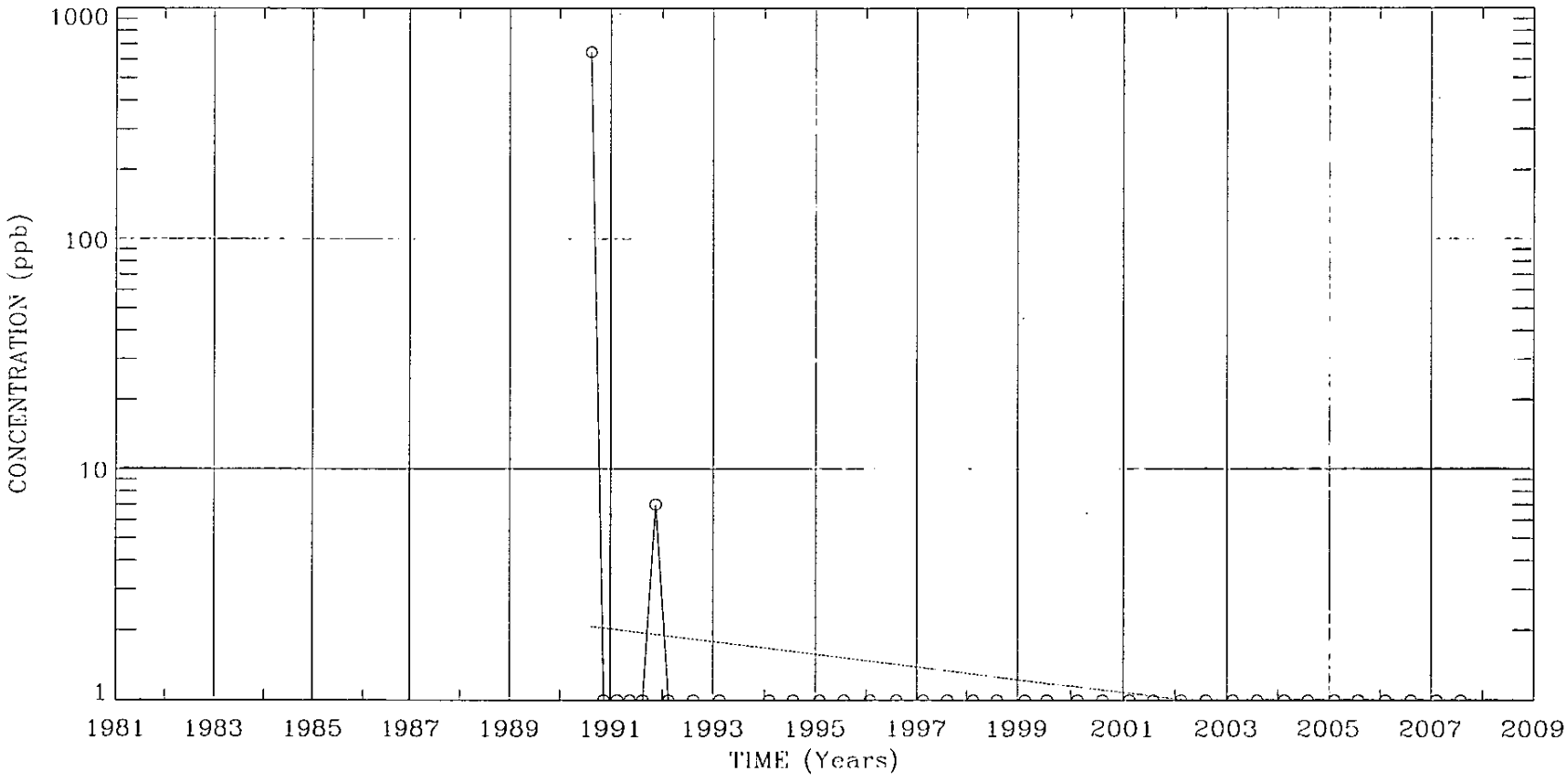

REGRESSION LINE EQUATION: $Y = 2.644E+000e^{0.0441x}$

Well 32B-2 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



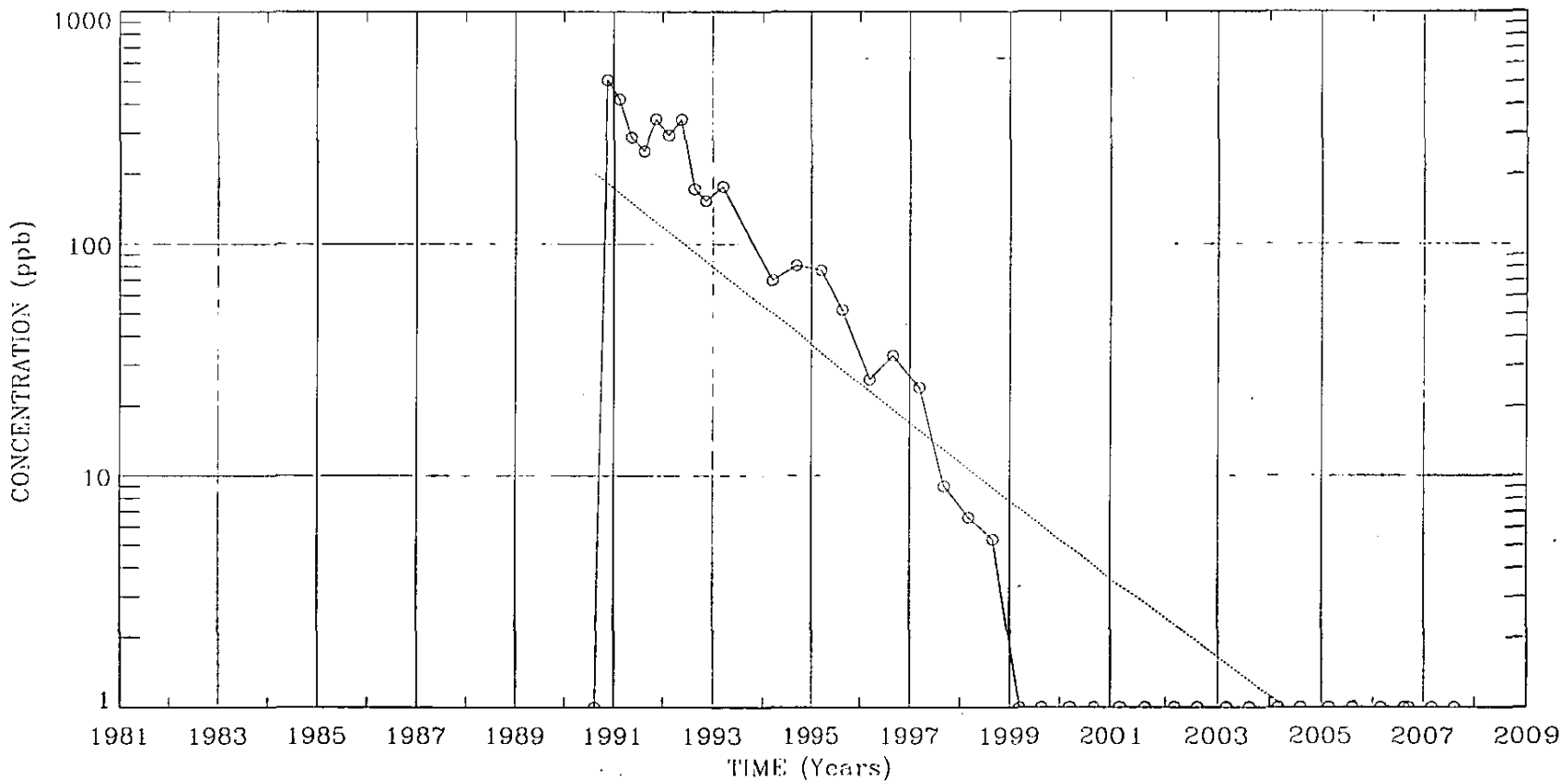

REGRESSION LINE EQUATION: $Y = 1.695E+001e^{0.0354x}$

Well 33B-1 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



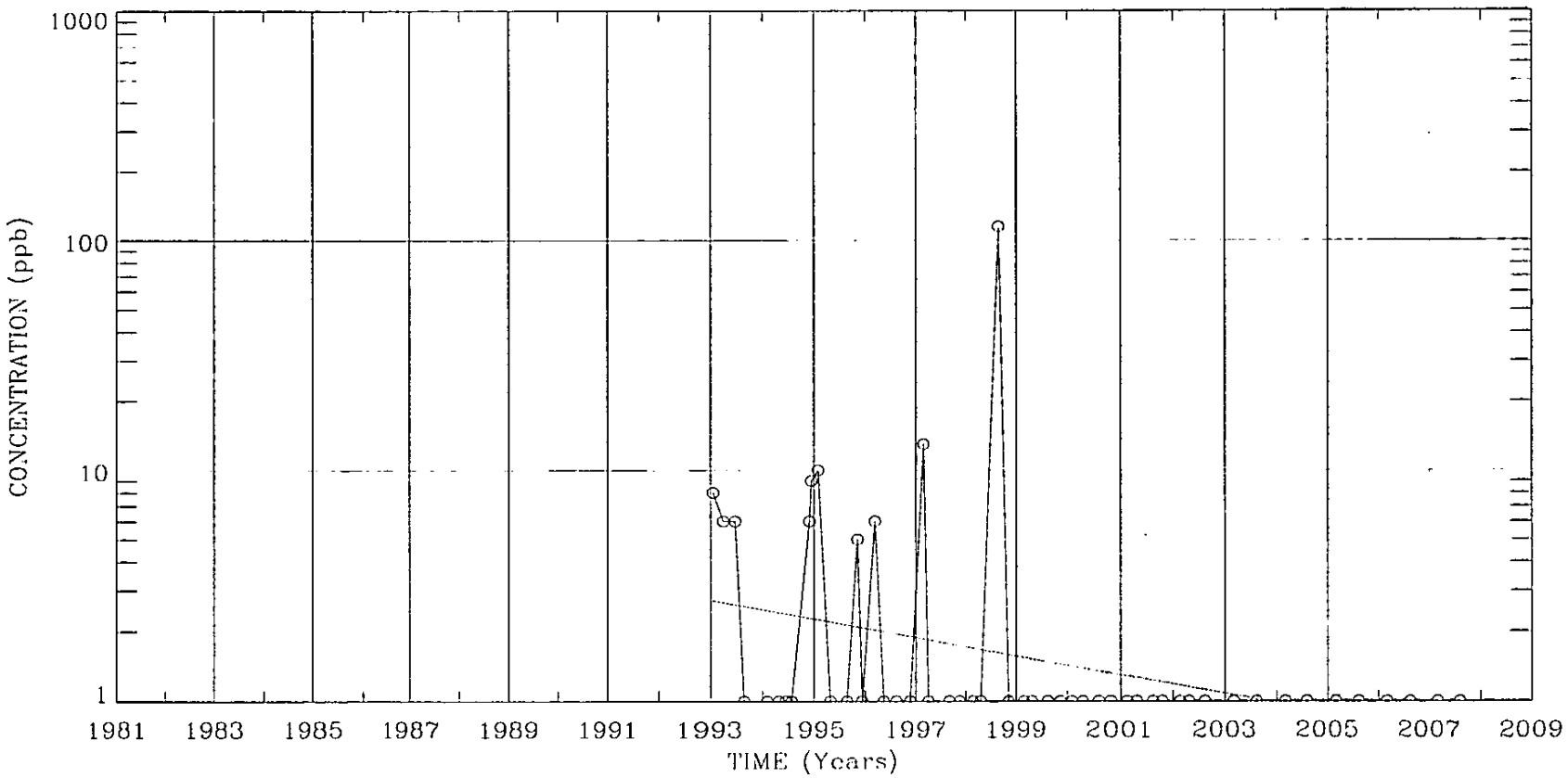

REGRESSION LINE EQUATION: $Y = 6.222E+002e^{0.0629x}$

Well 33B-2 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



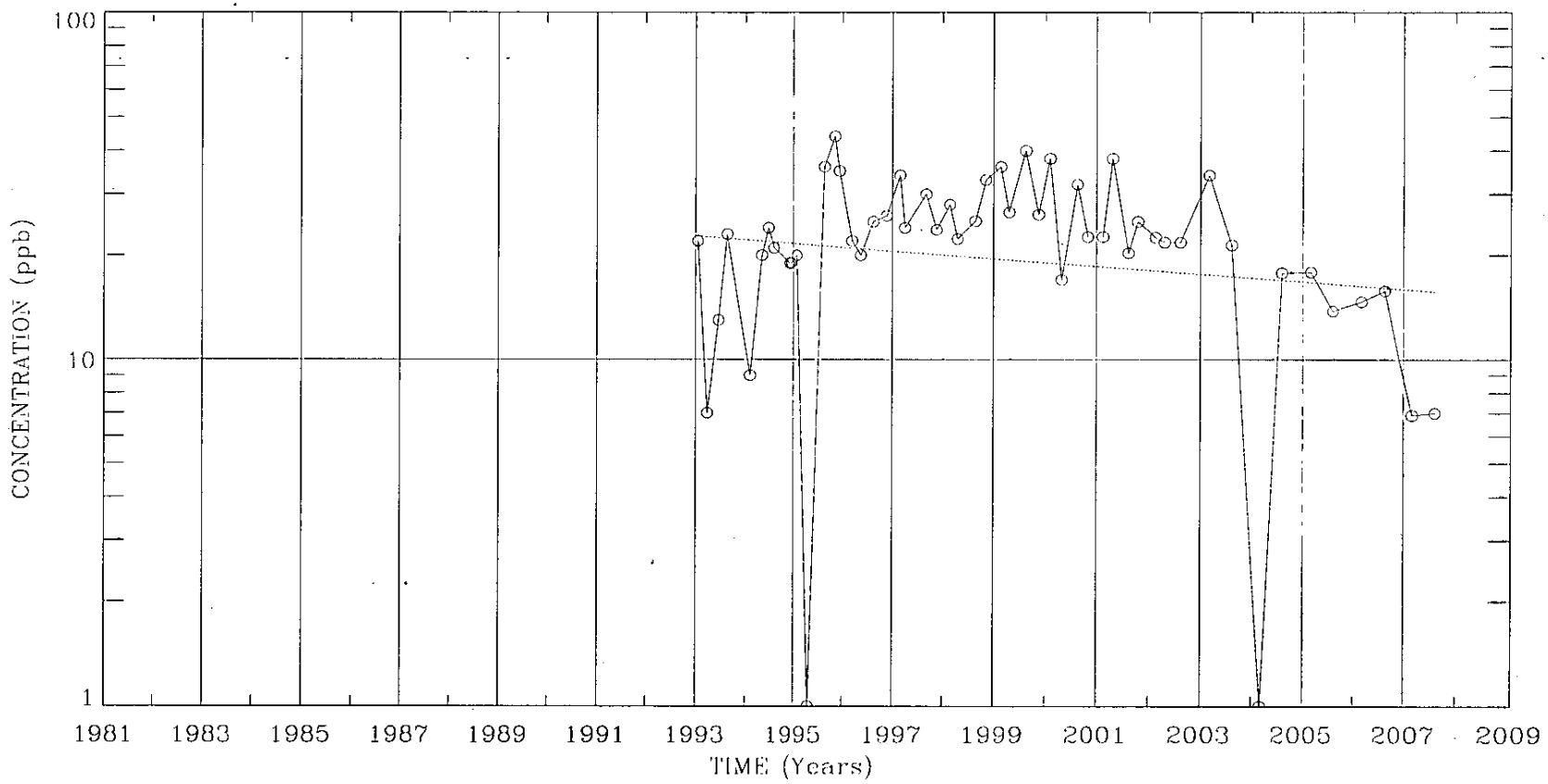

REGRESSION LINE EQUATION: $Y = 3.770E+017e^{-0.3881x}$

Well 33CL UNIT 8
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



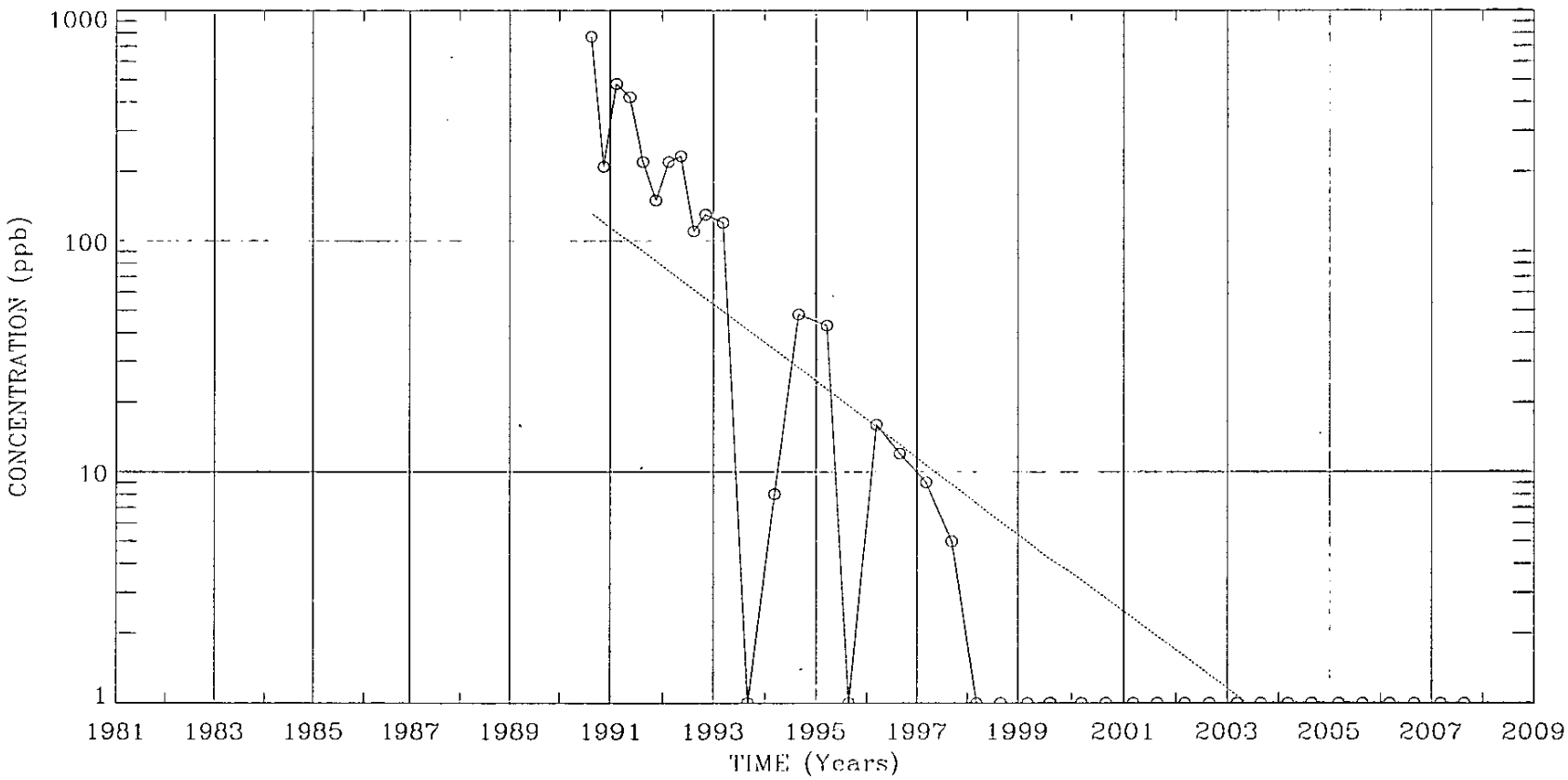

REGRESSION LINE EQUATION: $Y = 1.471E+004e^{0.0924x}$

Well 33CU UNIT 8
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



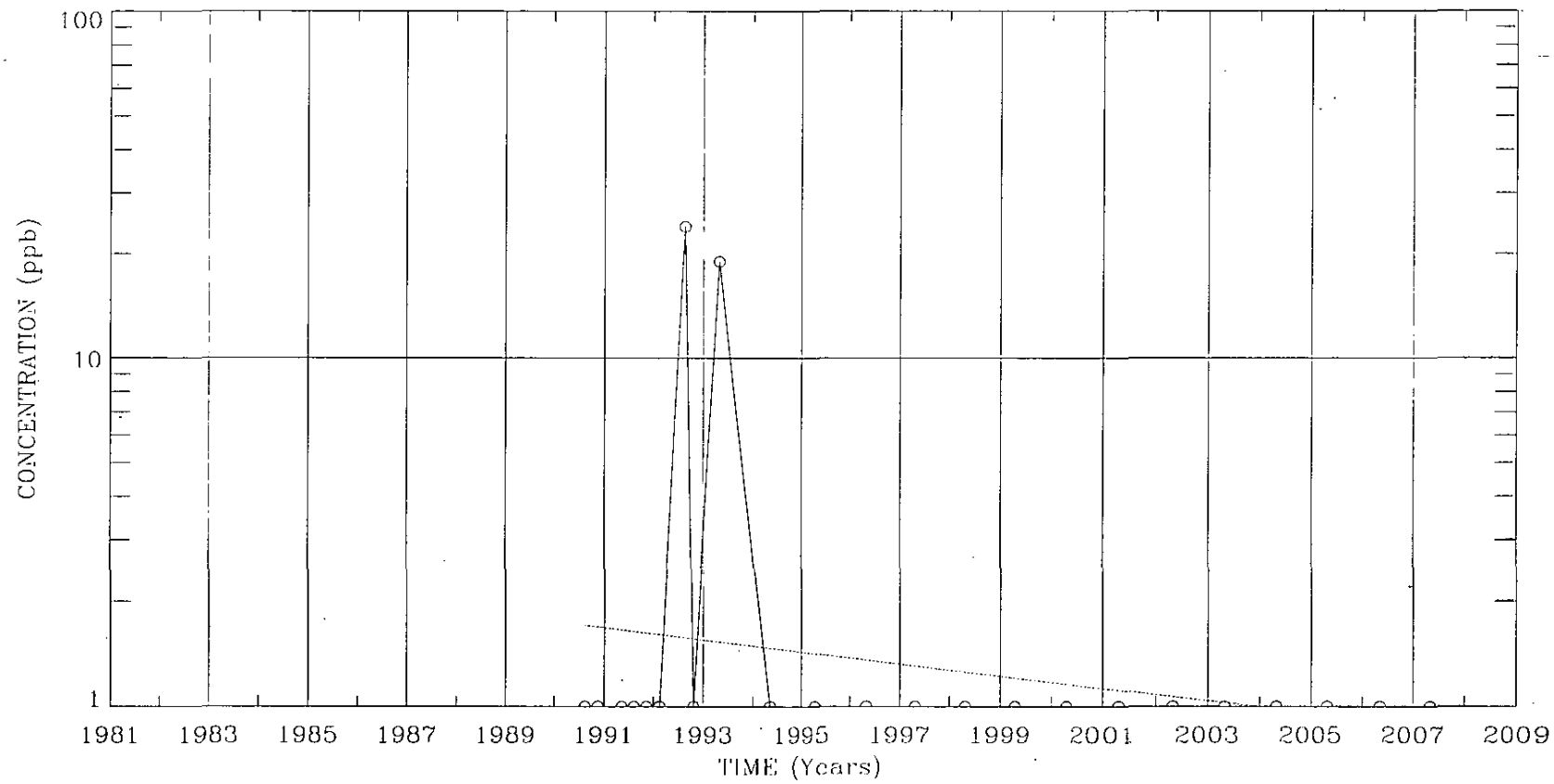

REGRESSION LINE EQUATION: $Y = 2.393E+002e^{0.0253x}$

Well 34A UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



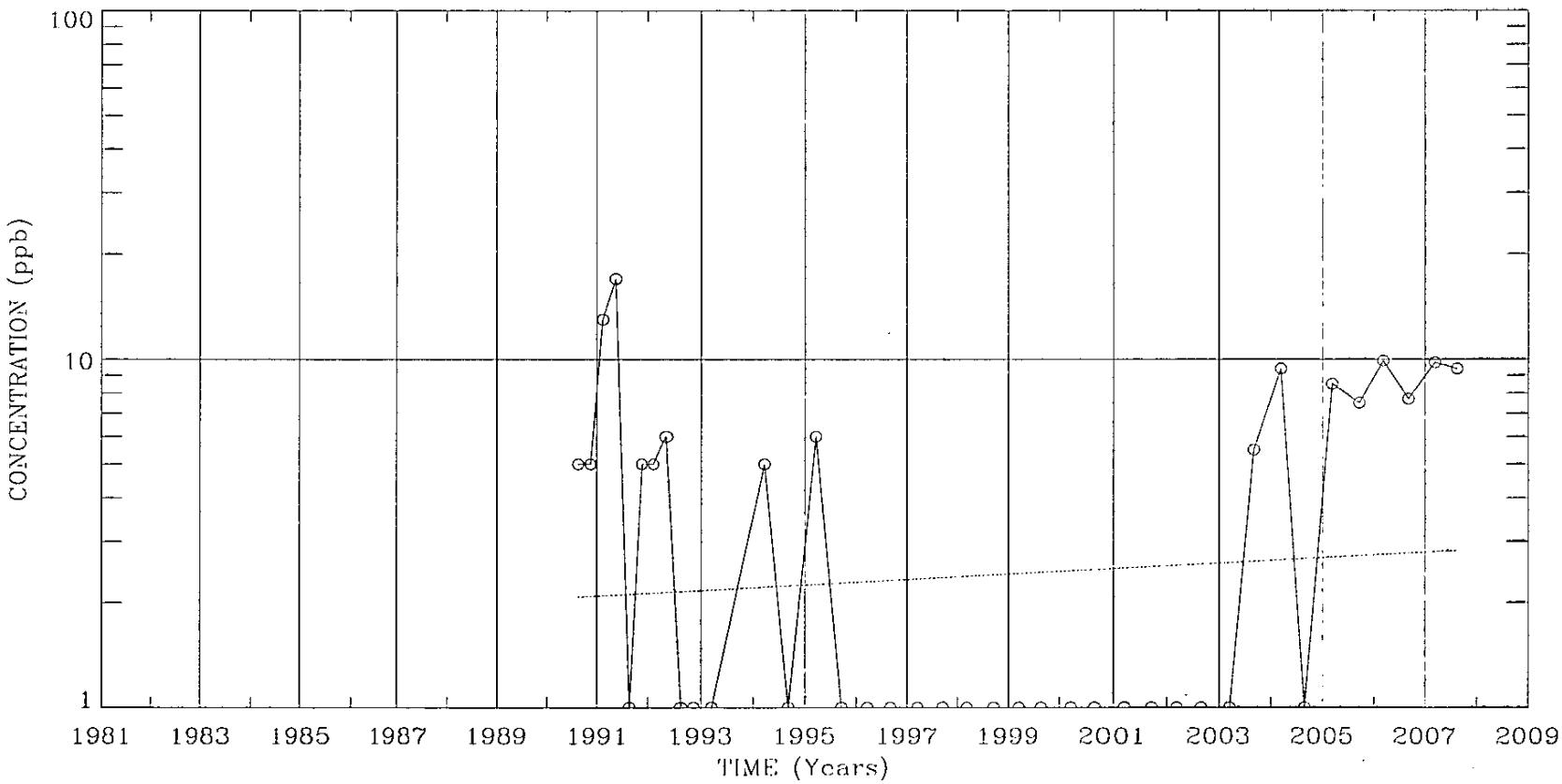

REGRESSION LINE EQUATION: $Y = 1.5141E+017e^{-0.3826x}$

Well 35B-2 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



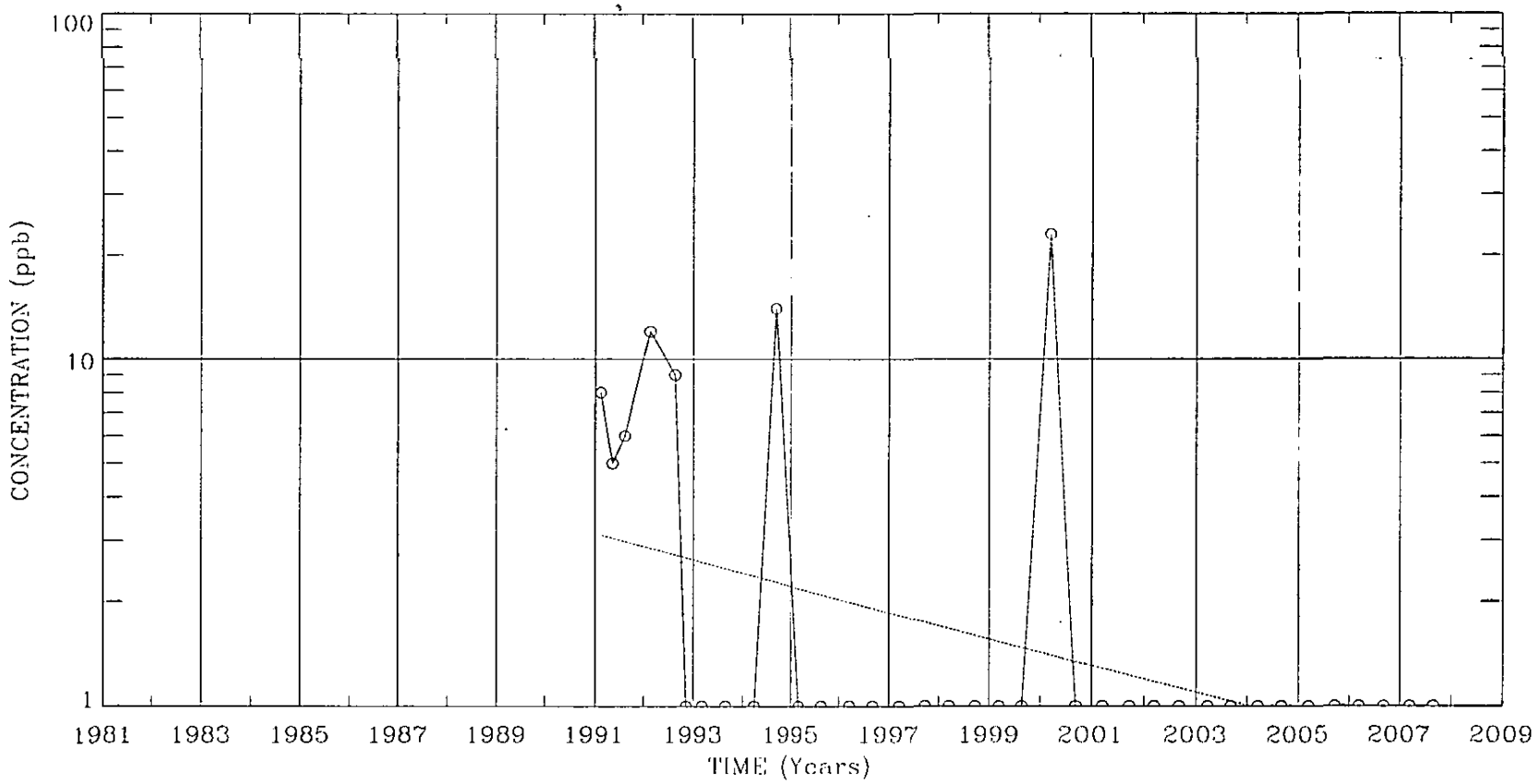

REGRESSION LINE EQUATION: $Y = 6.435E+001e^{-0.0400x}$

Well 37A UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



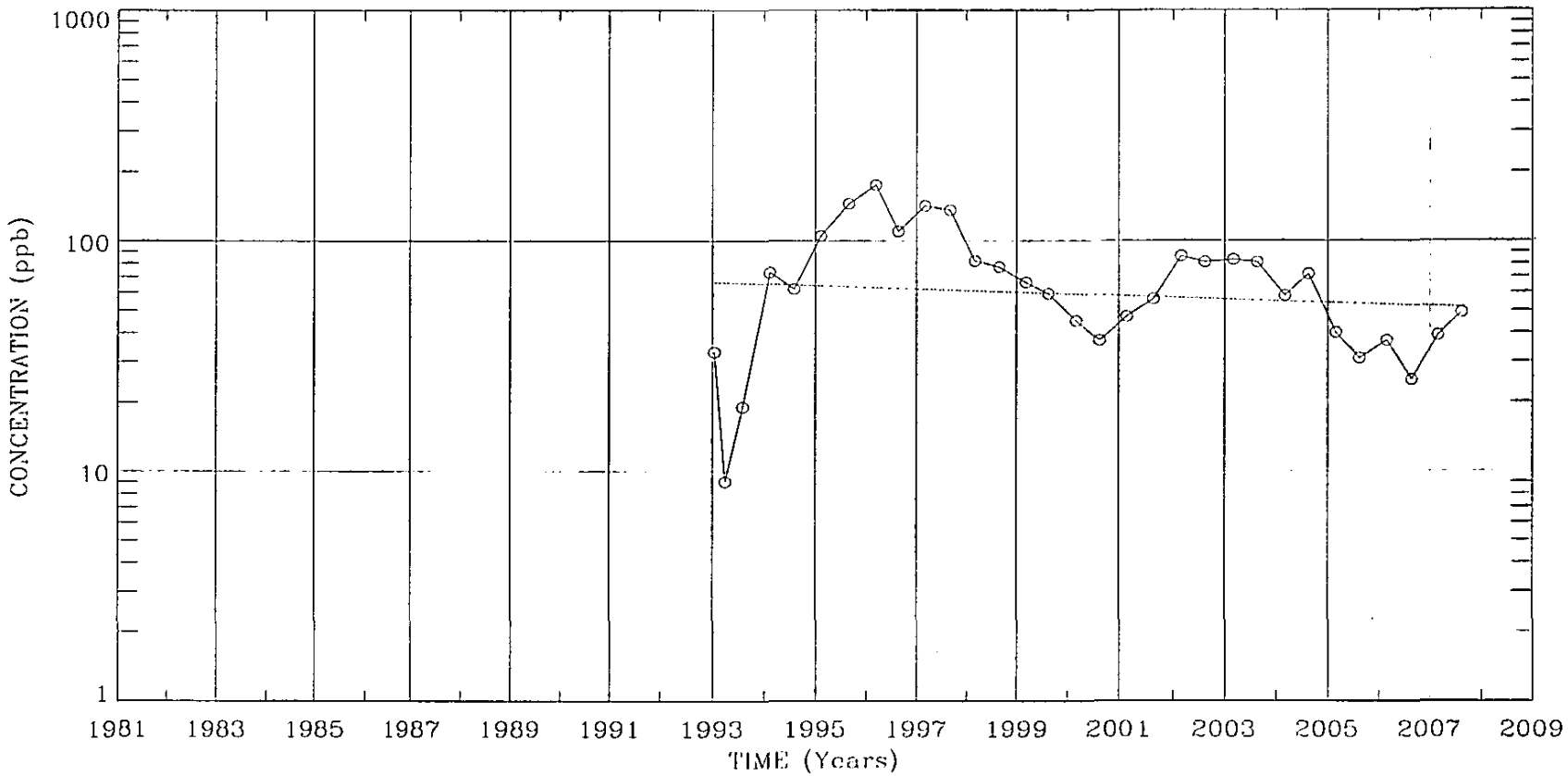

REGRESSION LINE EQUATION: $Y = 4.007E-001e^{0.0182x}$

Well 42B-1 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



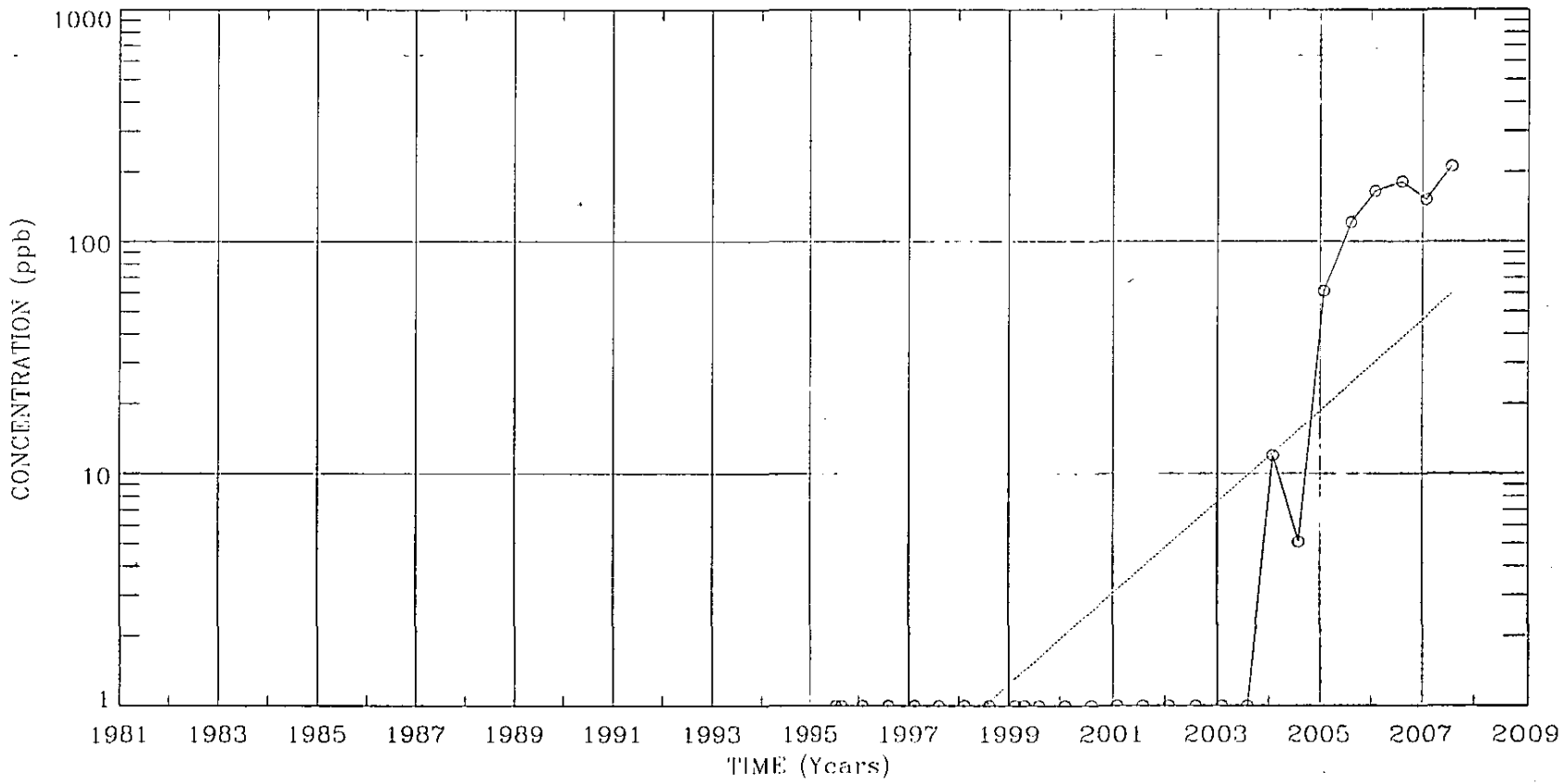

REGRESSION LINE EQUATION: $Y = 9.161E+003e^{-0.0877x}$

Well 50B-1 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



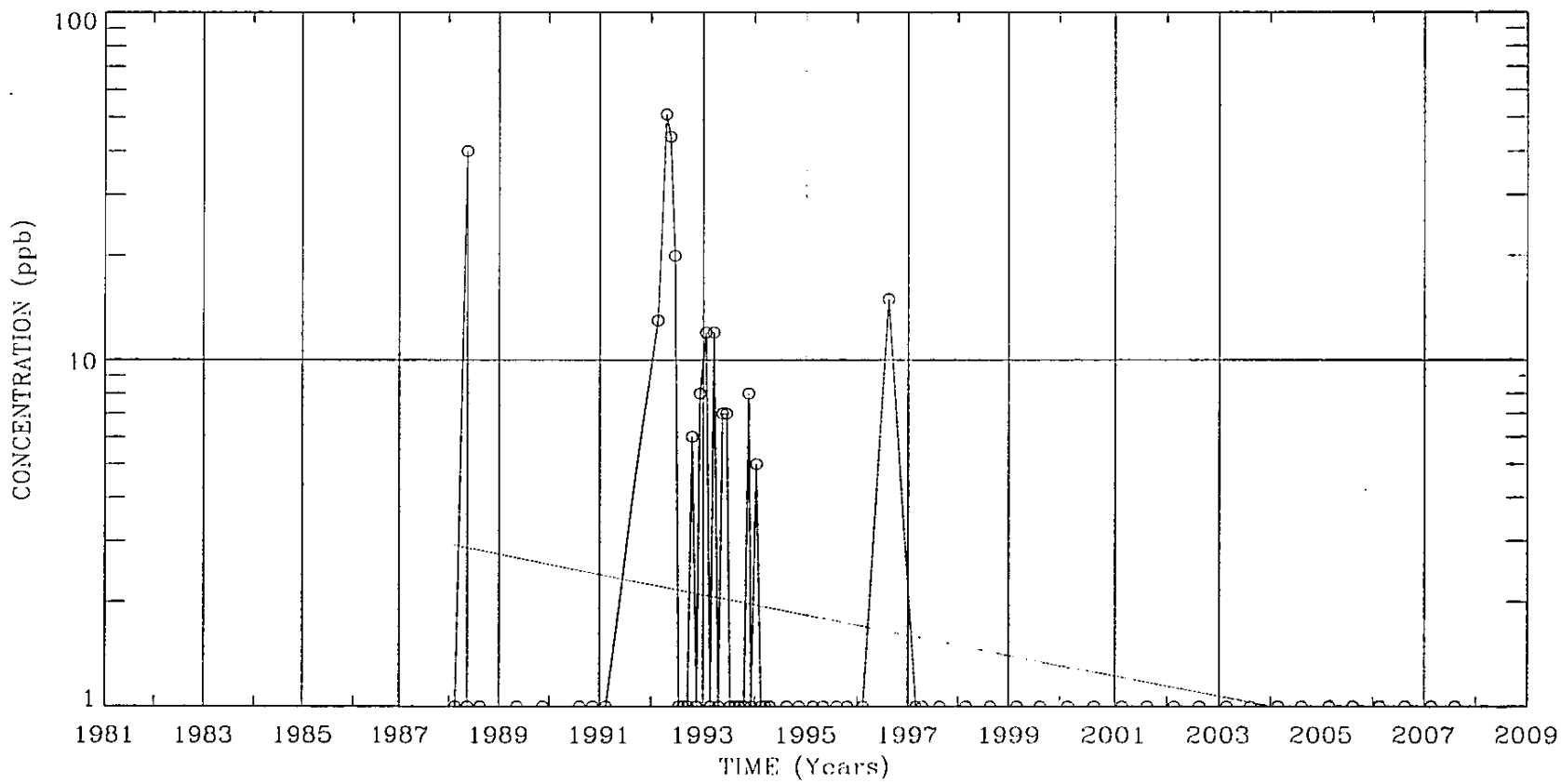

REGRESSION LINE EQUATION: $Y = 3.231E+002e^{0.0170x}$

Well 53C UNIT 8
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



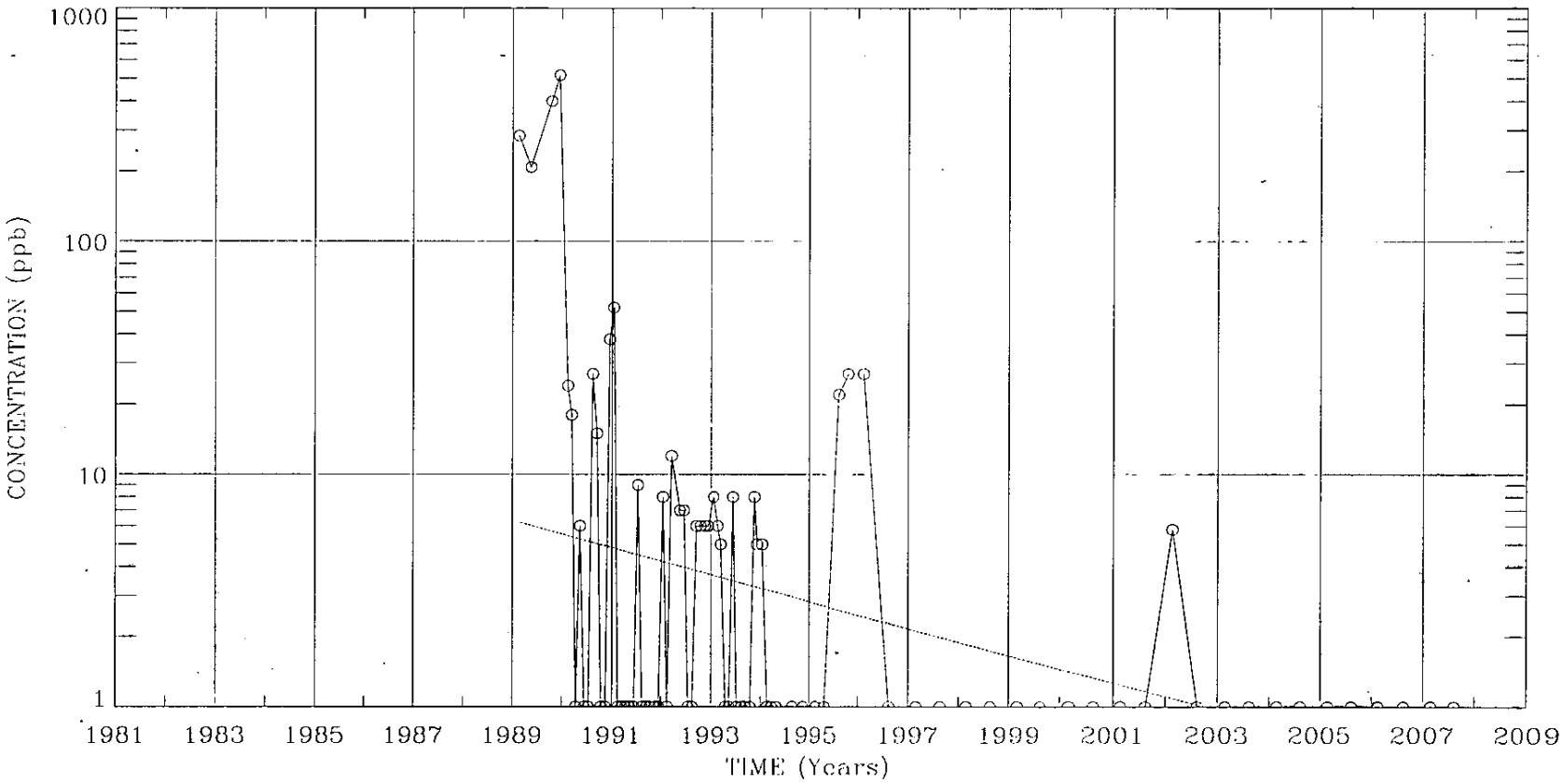

REGRESSION LINE EQUATION: $Y = 4.810E-020e^{0.4515x}$

Well AT-04 UNIT 8
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



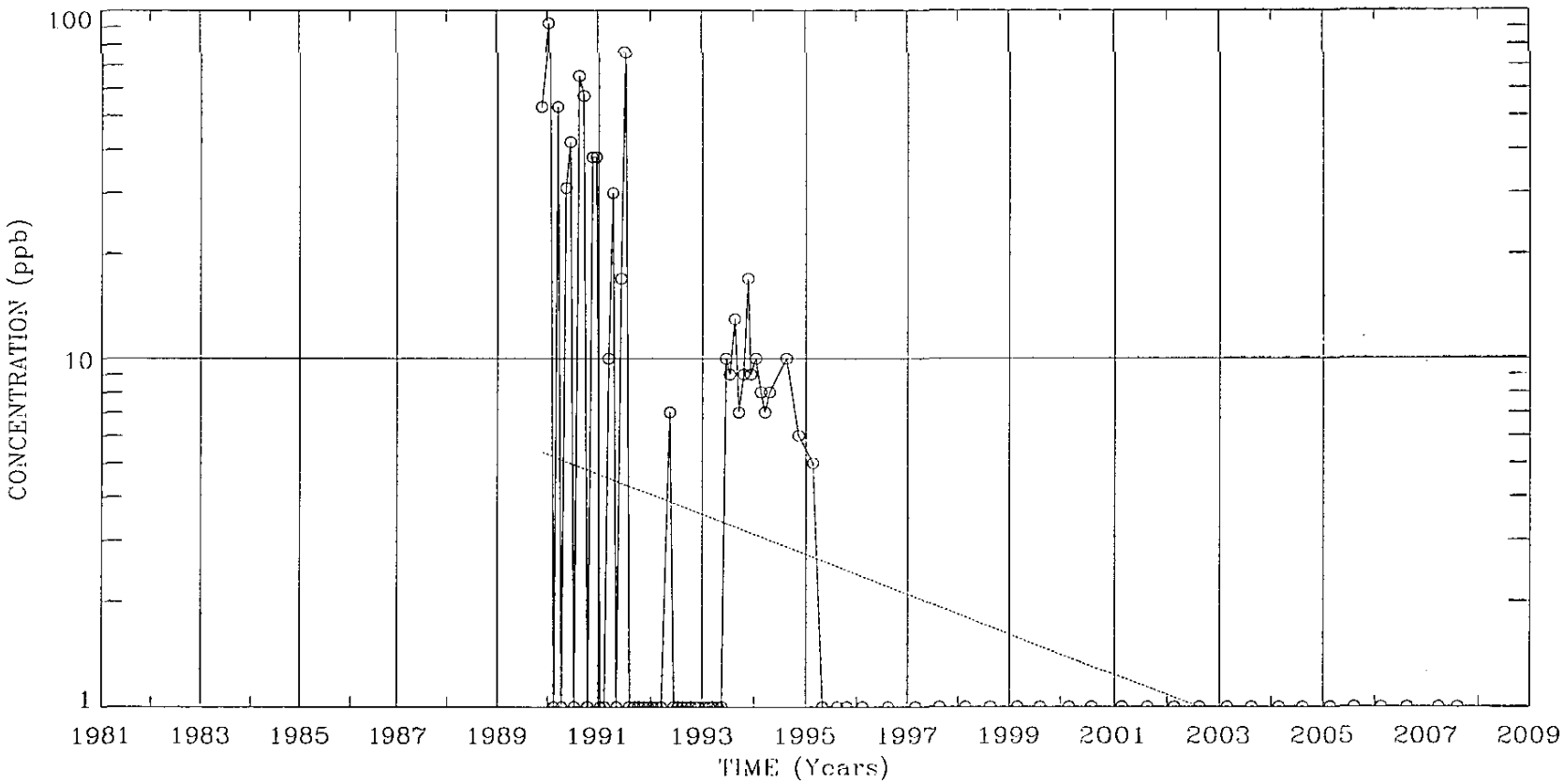

REGRESSION LINE EQUATION: $Y = 1.083E+003e^{0.0672x}$

Well AT-07 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



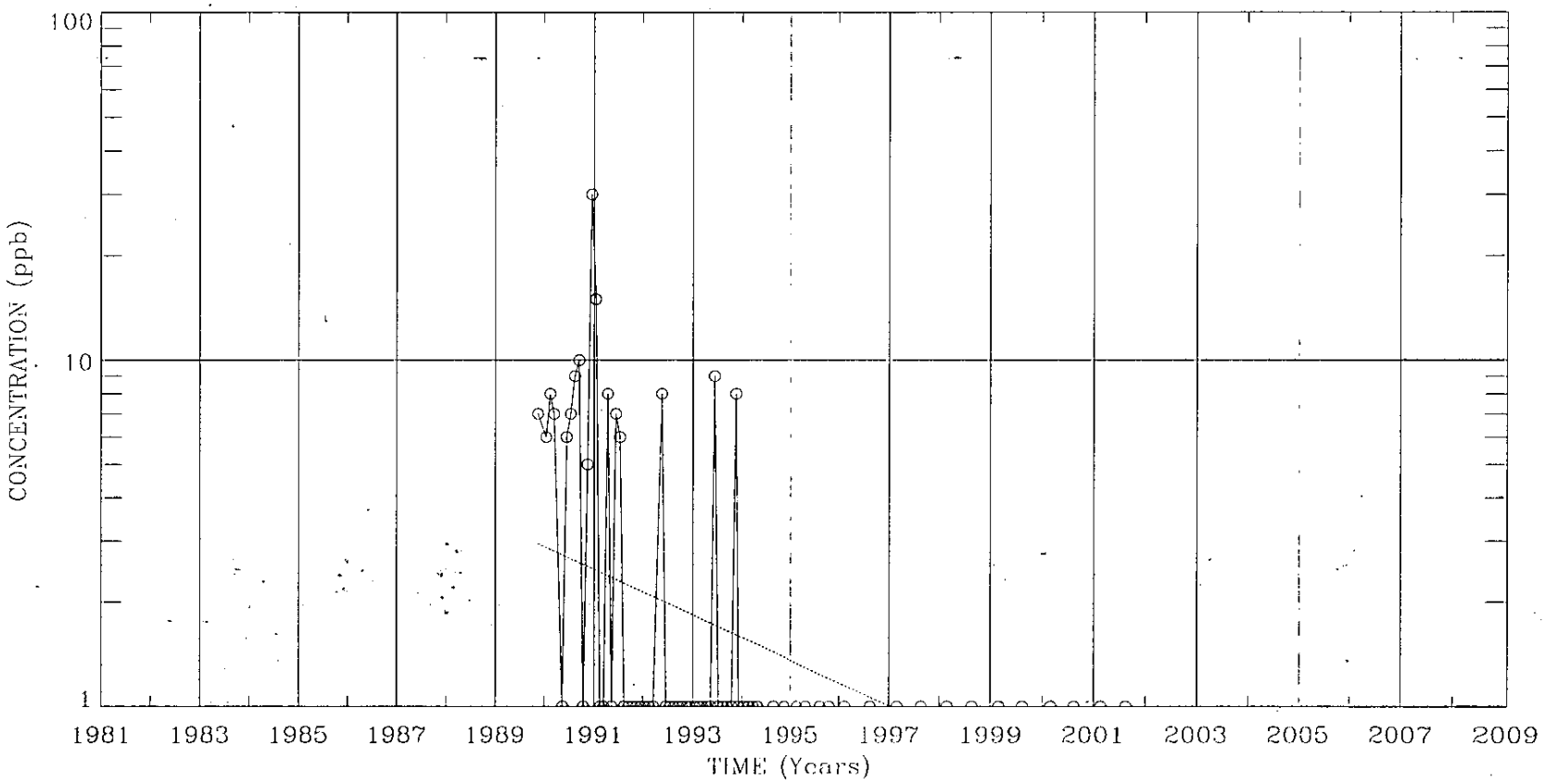

REGRESSION LINE EQUATION: $Y = 9.740E+005e^{0.1342x}$

Well AT-08 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



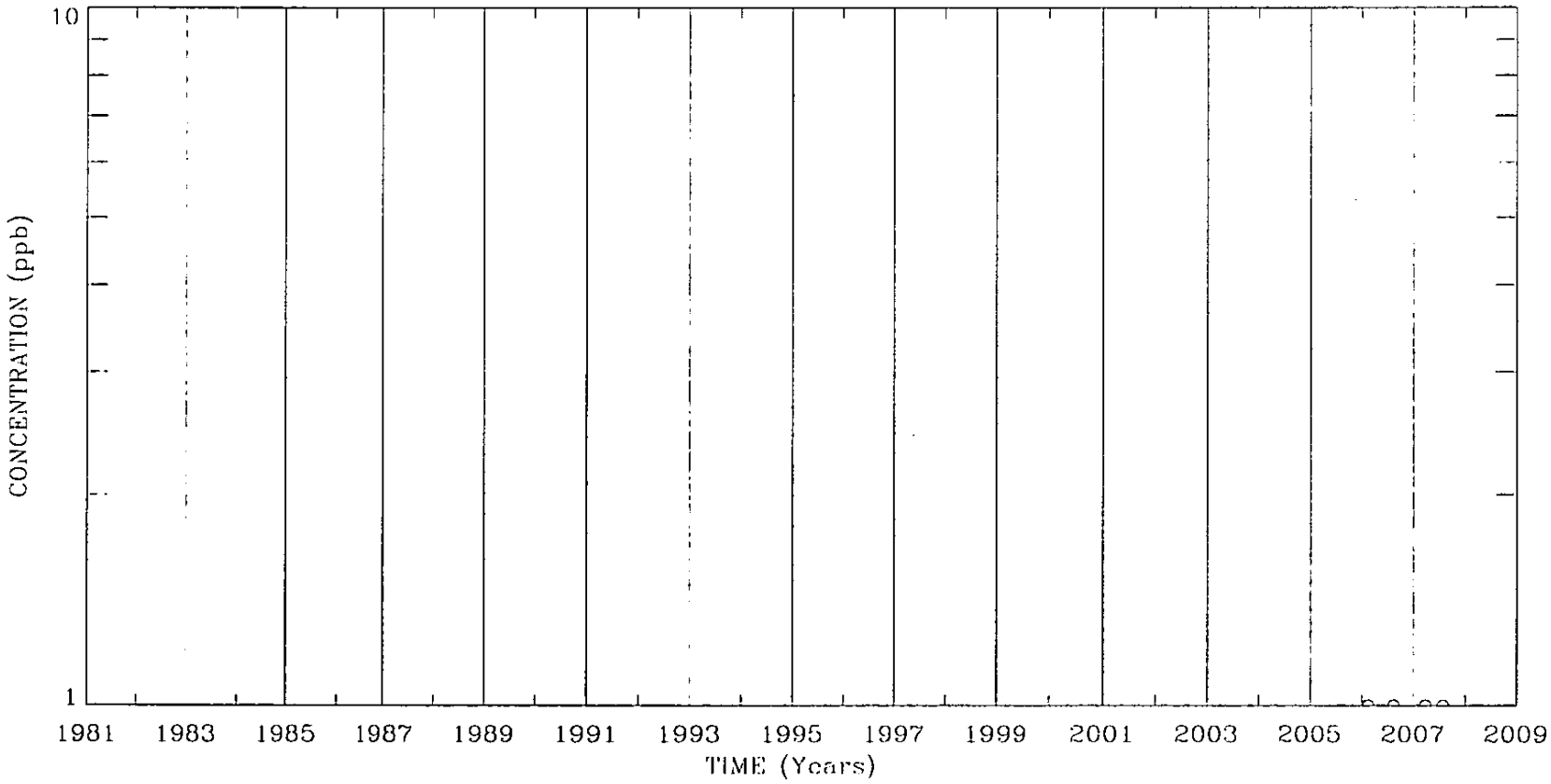

REGRESSION LINE EQUATION: $Y = 7.891E+005e^{0.1323x}$

Well AT-12 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



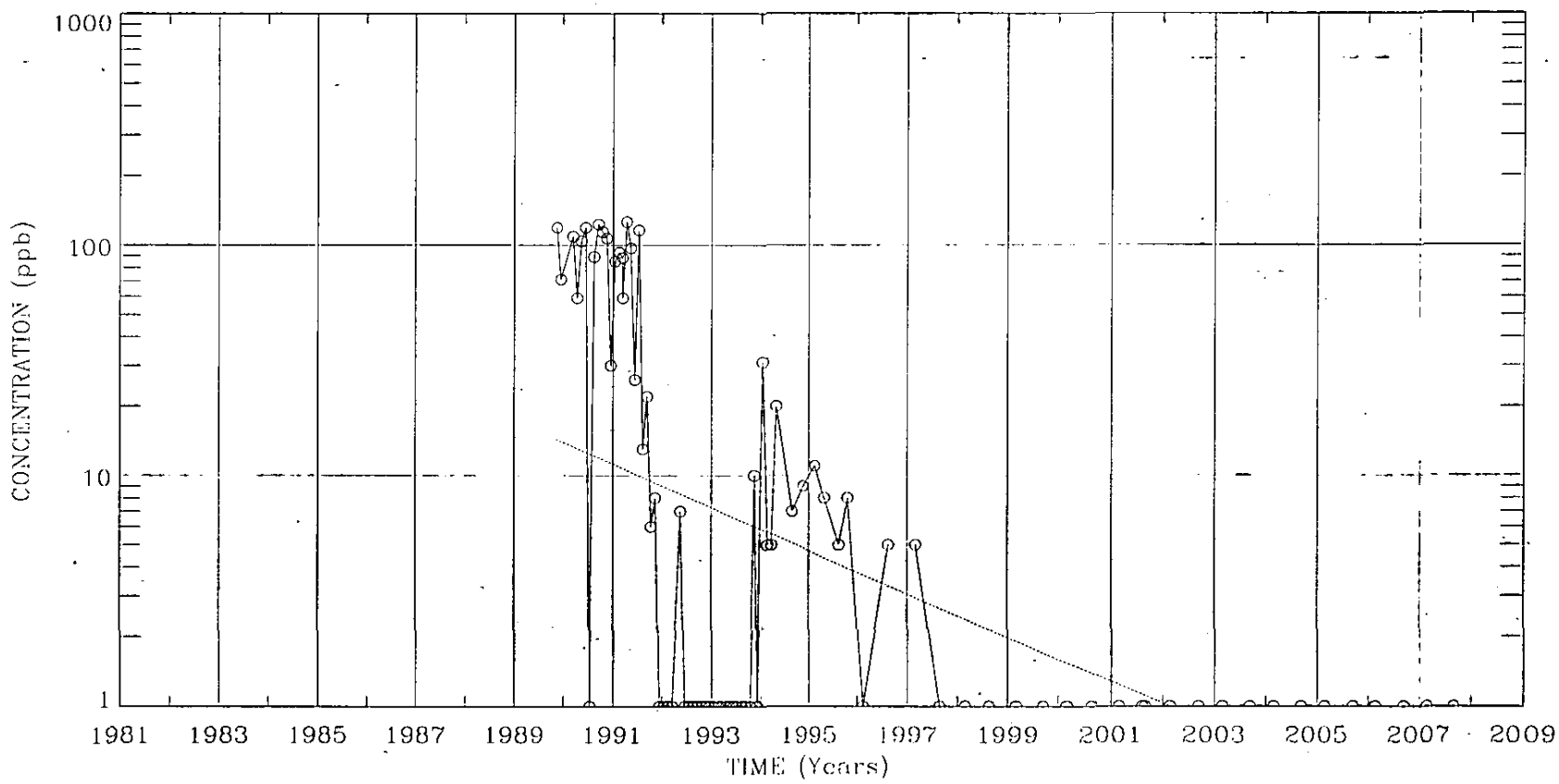

REGRESSION LINE EQUATION: $Y = 2.331E+006e^{0.1511x}$

Well AT-12R Unit 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



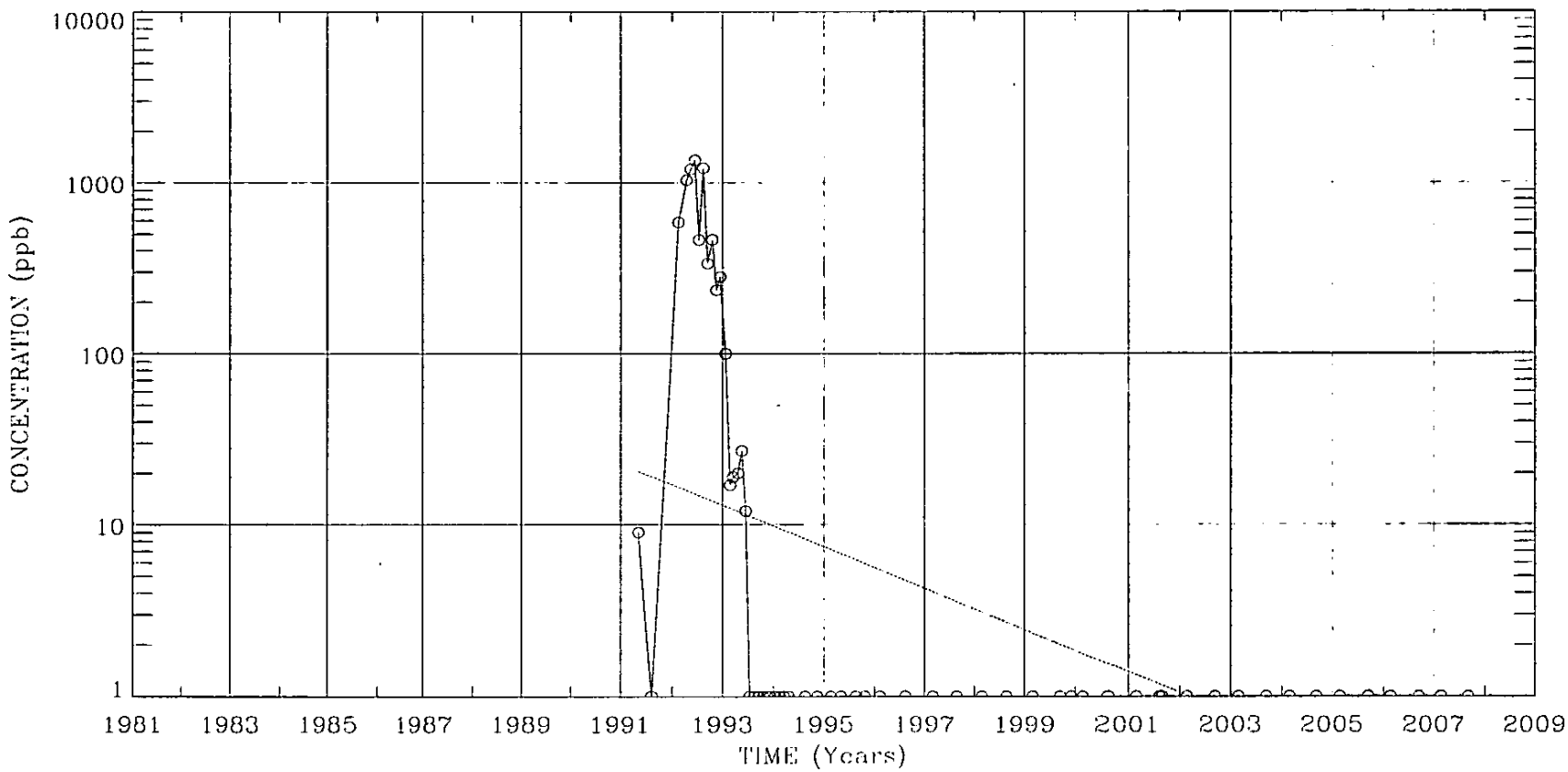

REGRESSION LINE EQUATION: $Y = e^{NaN} e^{NoNx}$

Well AT-13 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



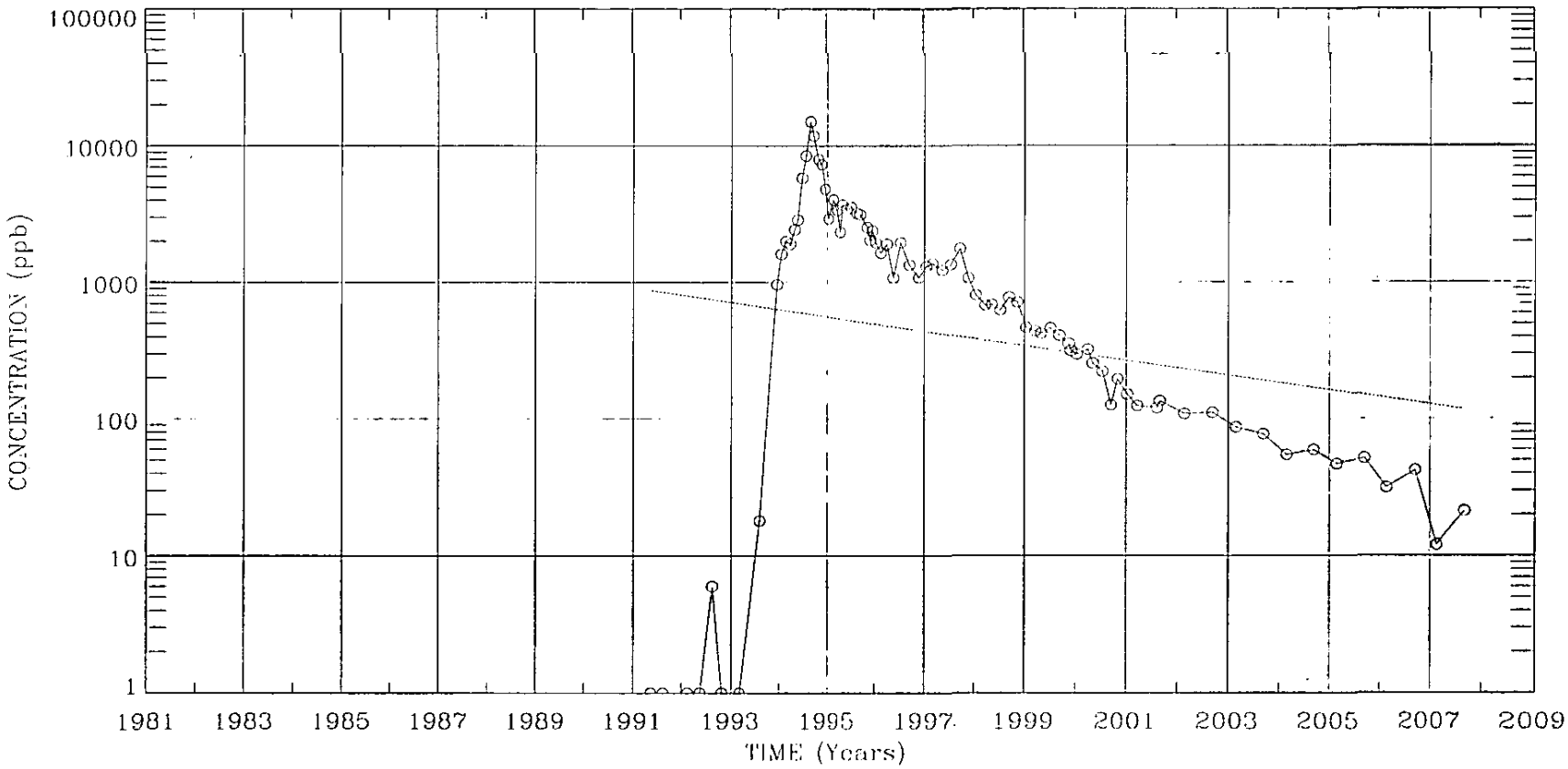

REGRESSION LINE EQUATION: $Y = 4.159E+009e^{-0.2168x}$

Well AT-14 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



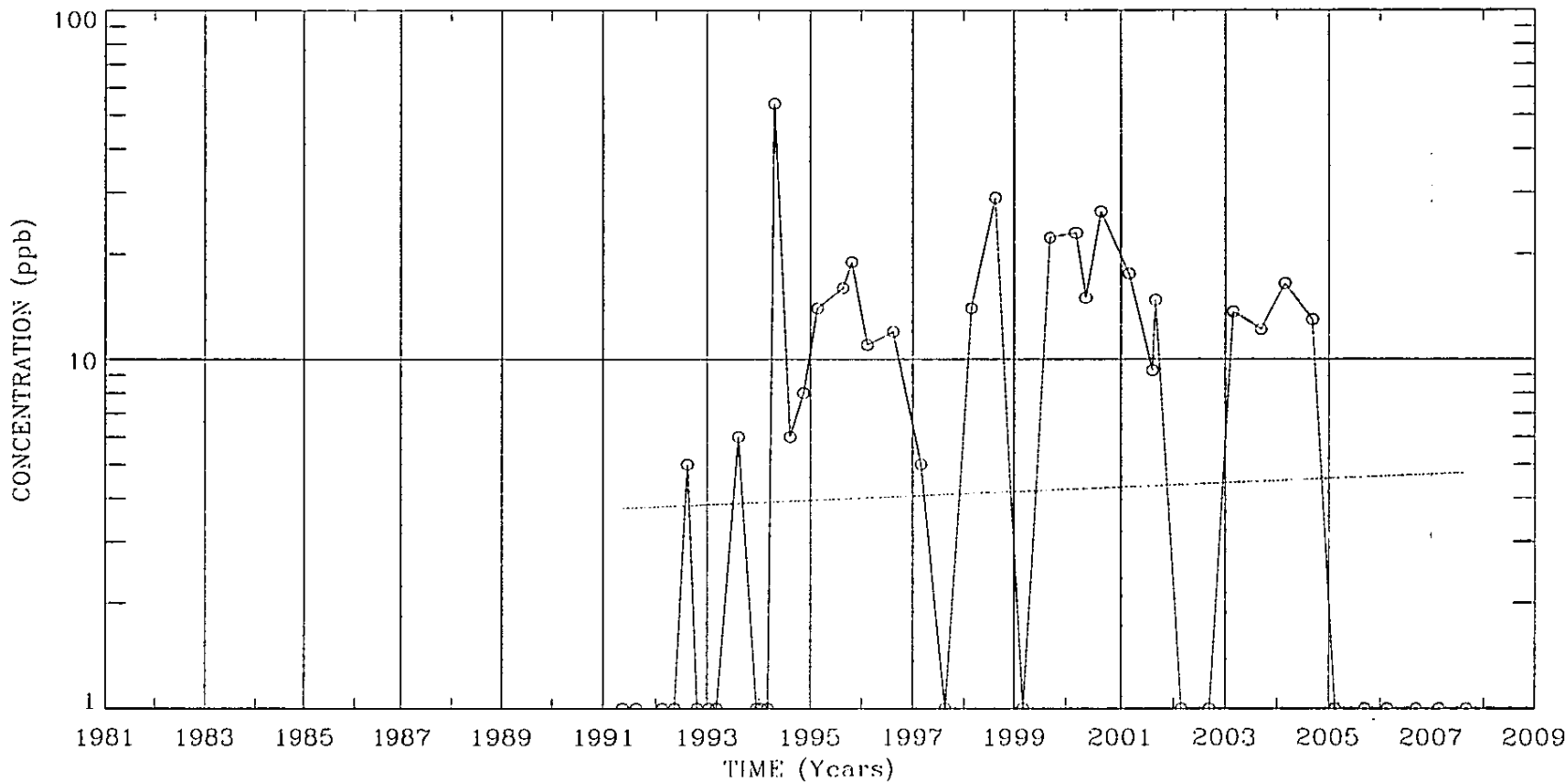

REGRESSION LINE EQUATION: $Y = 2.3461E+012e^{0.2787x}$

Well AT-15 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



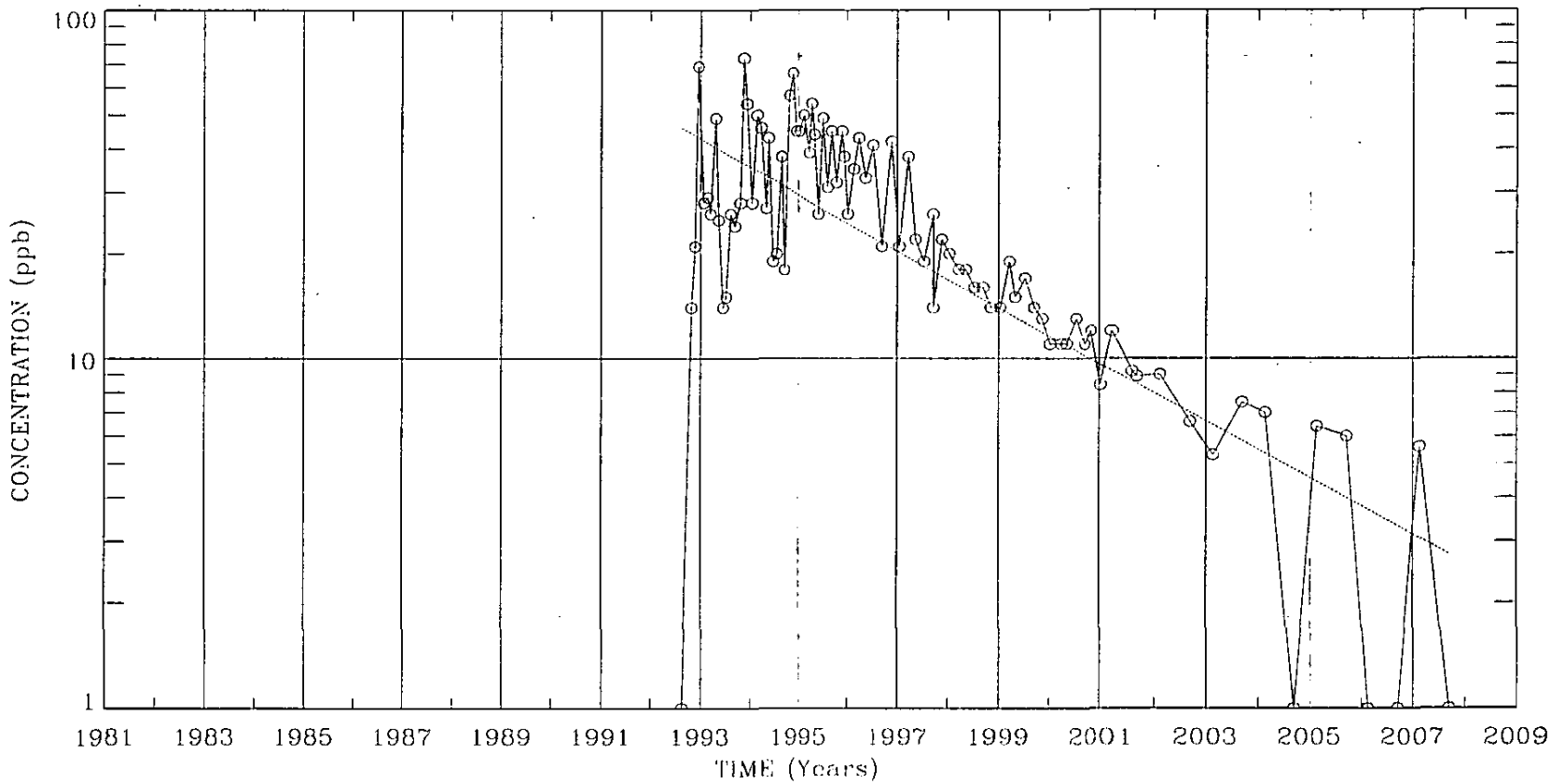

REGRESSION LINE EQUATION: $Y = 6.537E+007e^{-0.1229x}$

Well AT-16 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



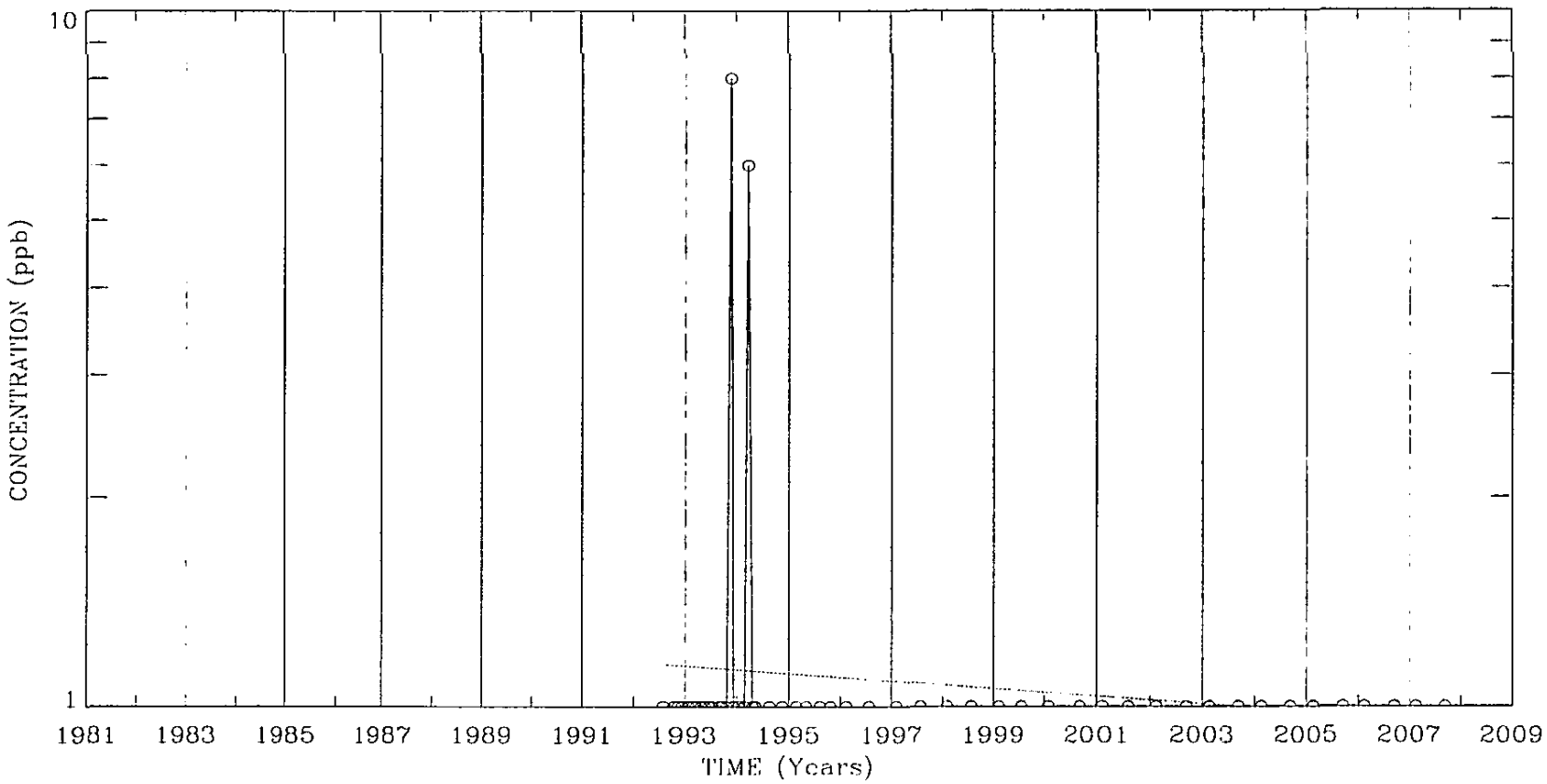

REGRESSION LINE EQUATION: $Y = 1.002E+000e^{0.0144x}$

Well AT-19 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



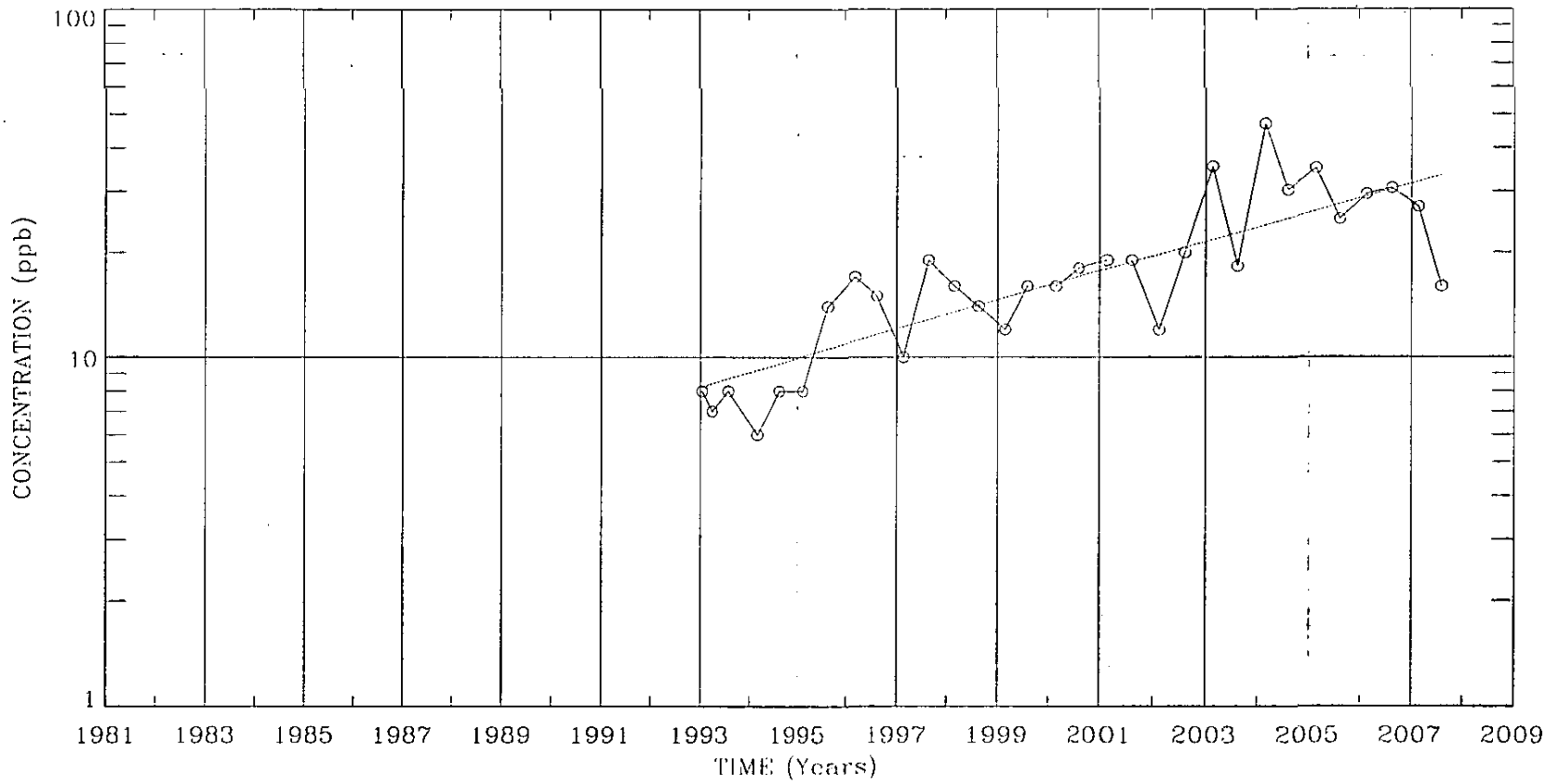

REGRESSION LINE EQUATION: $Y = 1.473E+009e^{-0.1866x}$

Well AT-20 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



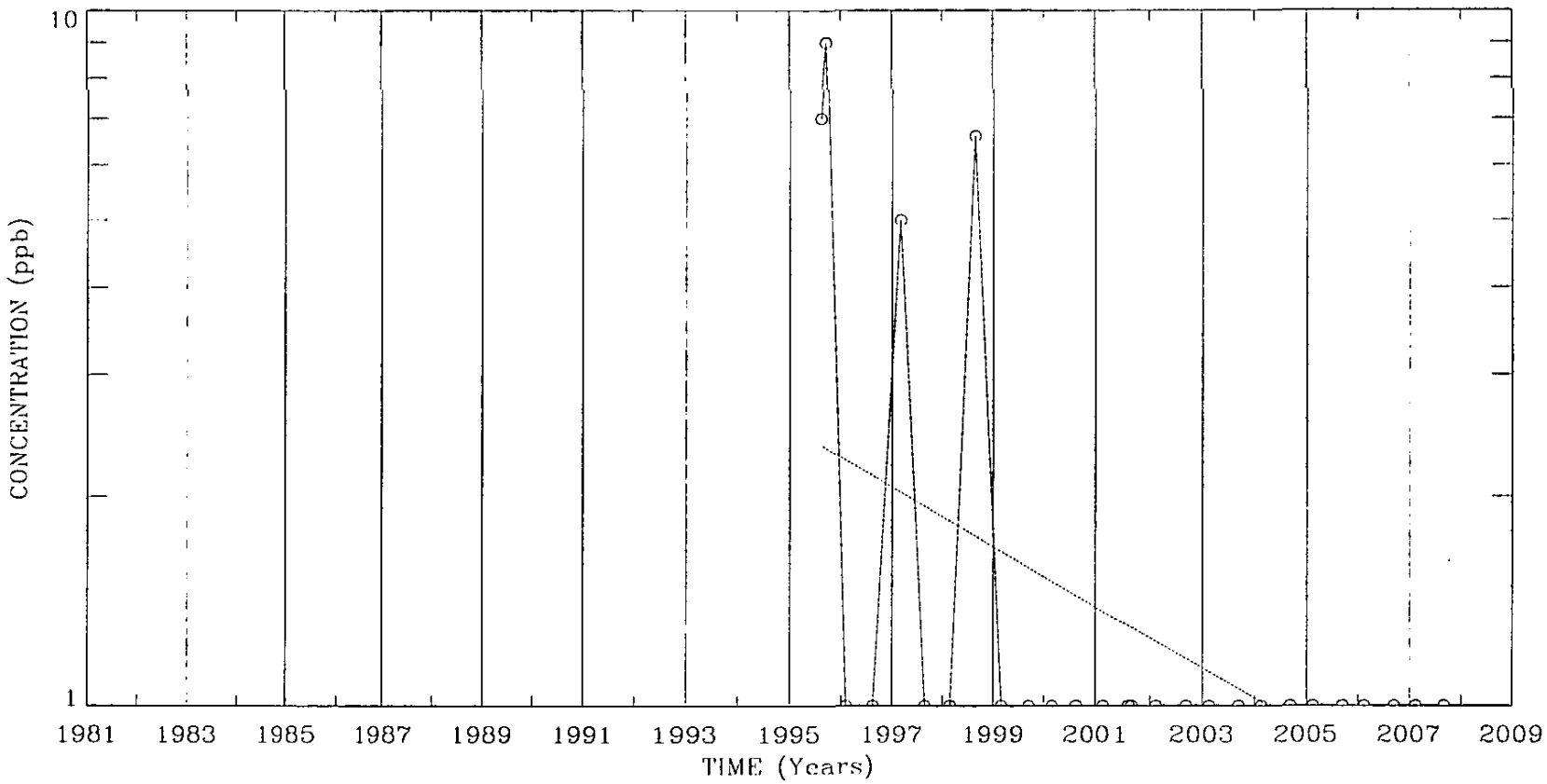

REGRESSION LINE EQUATION: $Y = 3.686E+000e^{0.0126x}$

Well AT-21 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



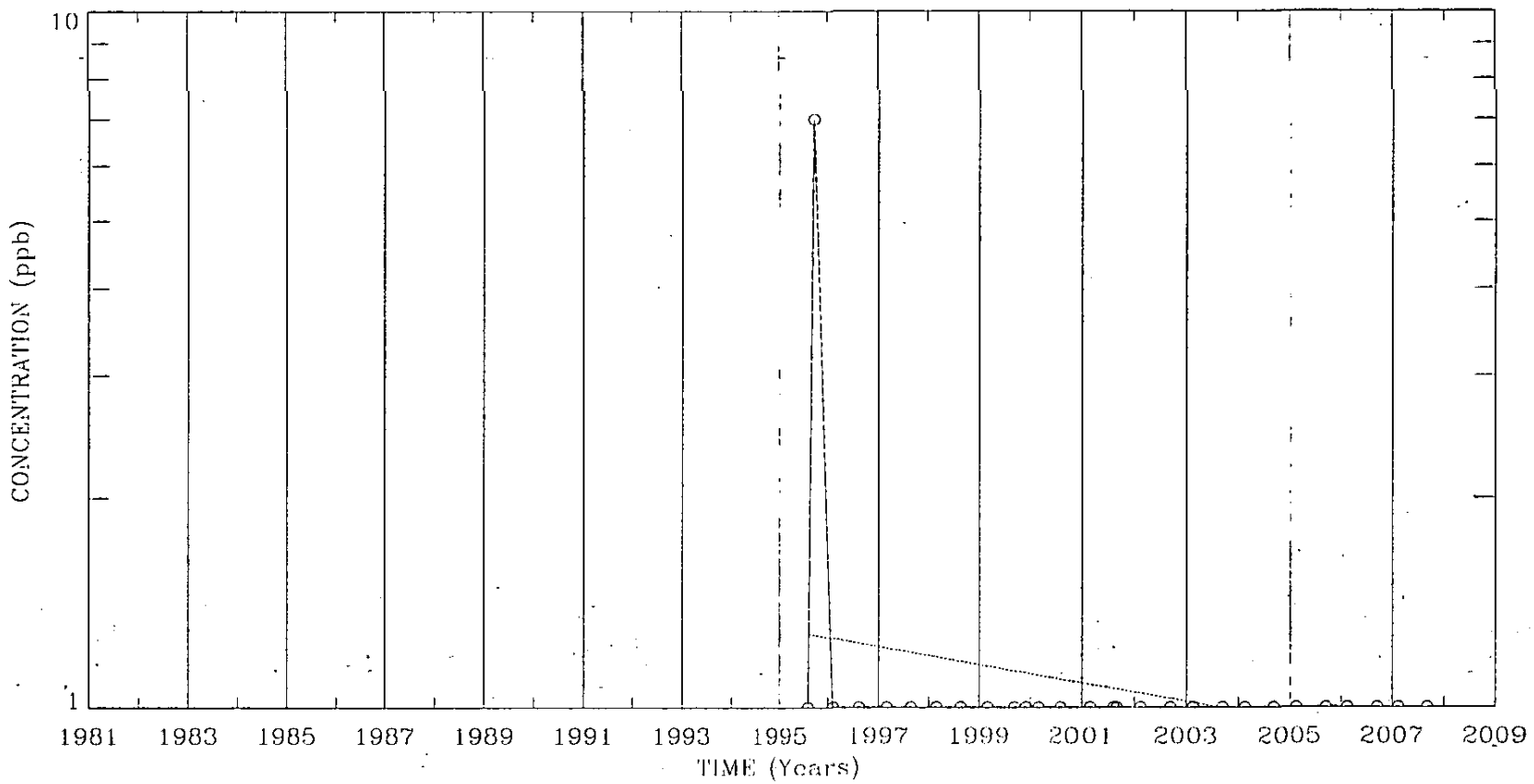

REGRESSION LINE EQUATION: $Y = 1.072E-003e^{0.0962x}$

Well AT-28 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



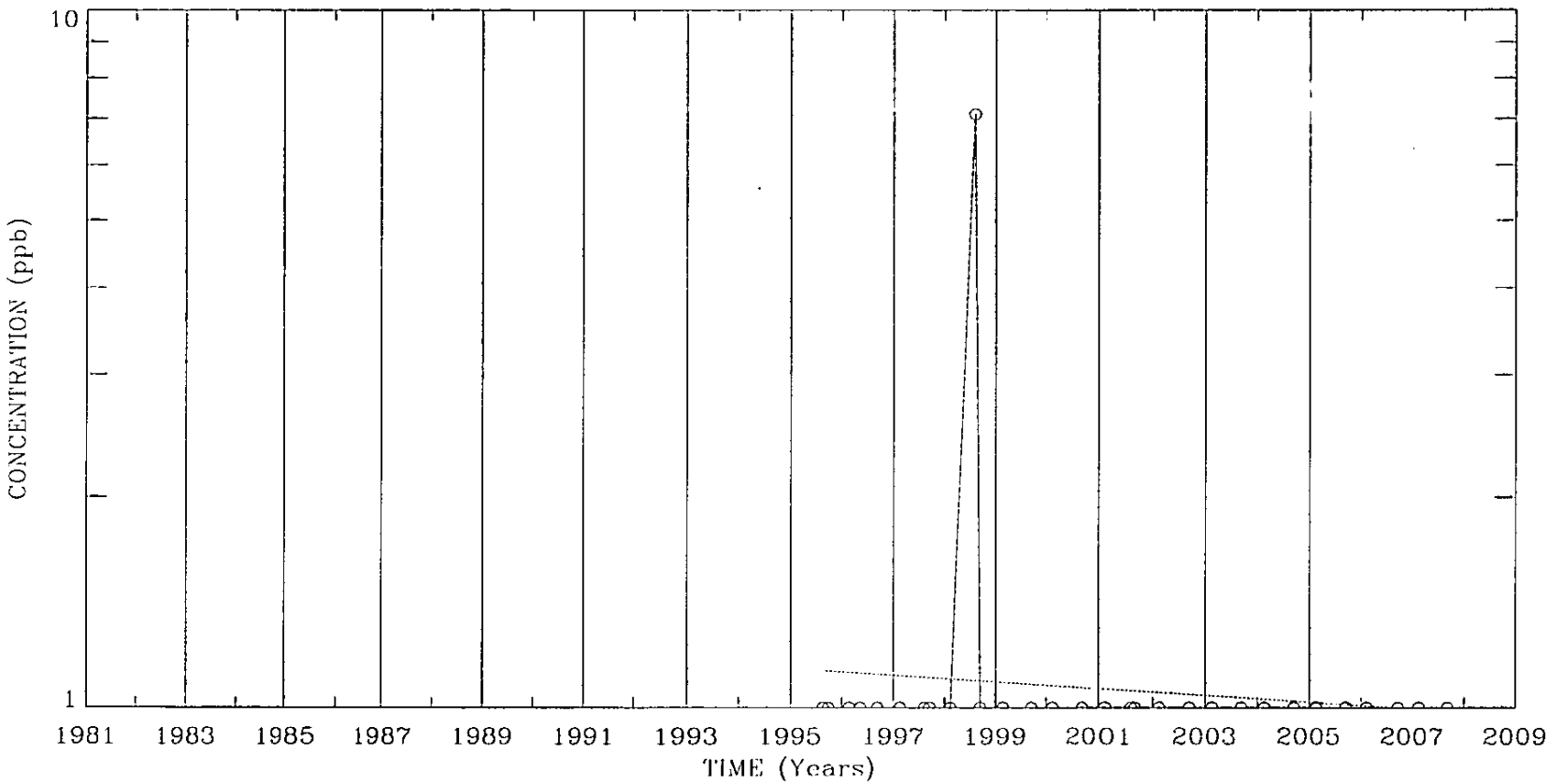

REGRESSION LINE EQUATION: $Y = 3.332E+004e^{0.0999x}$

Well AT-29 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



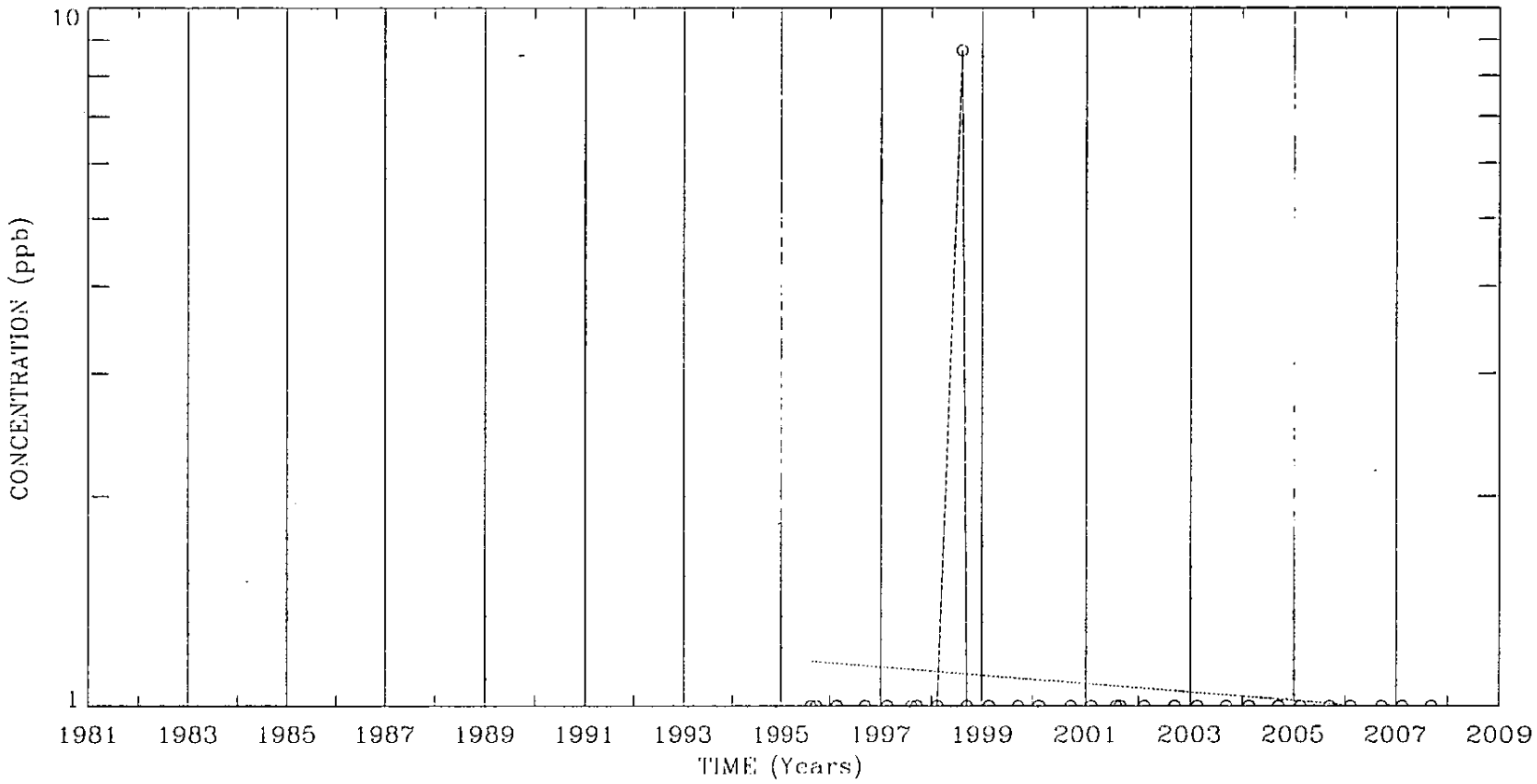

REGRESSION LINE EQUATION: $Y = 2.319E+001e^{-0.0303x}$

Well AT-31 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



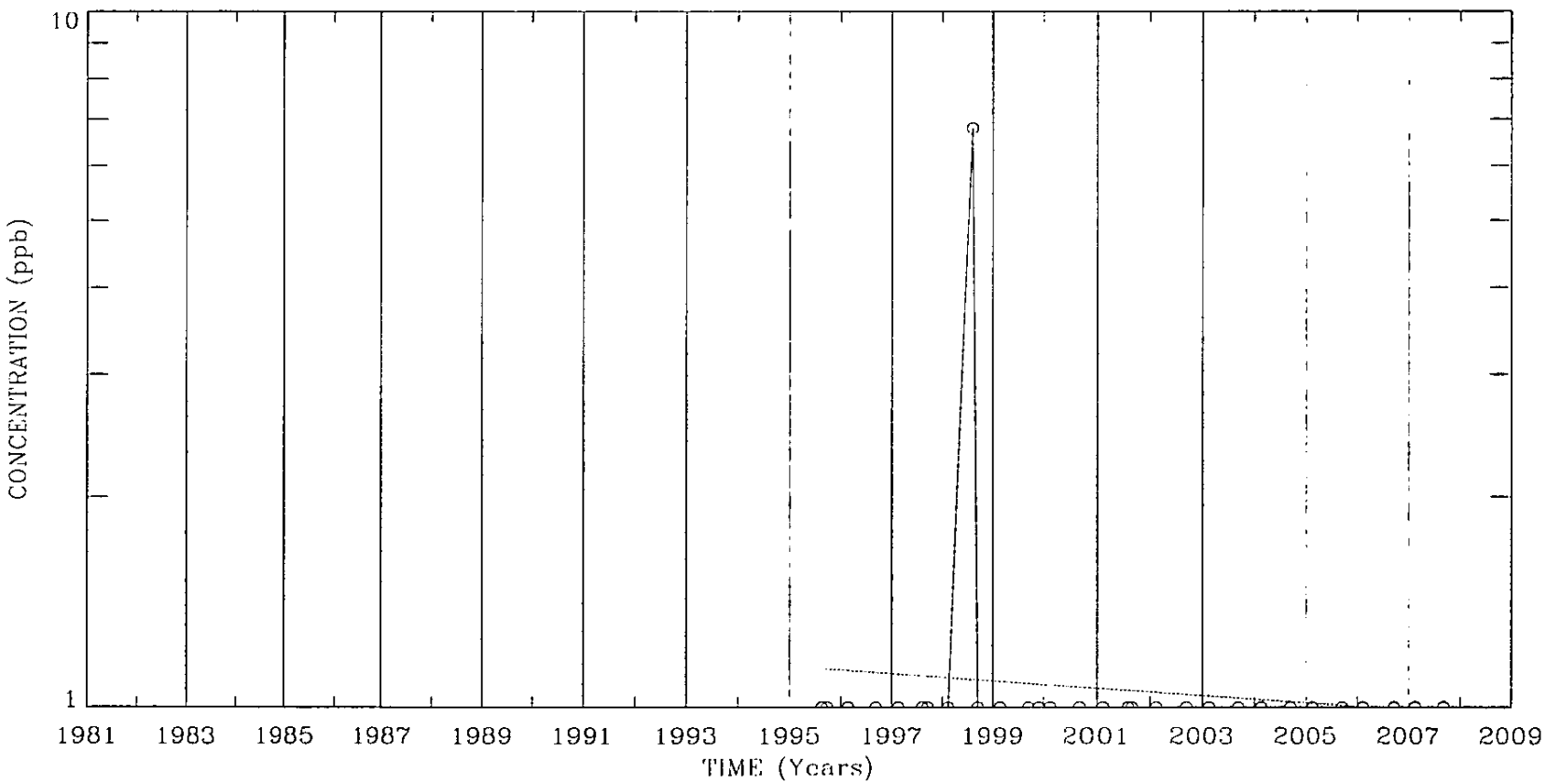

REGRESSION LINE EQUATION: $Y = 3.262E+000e^{0.0111x}$

Well AT-32 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



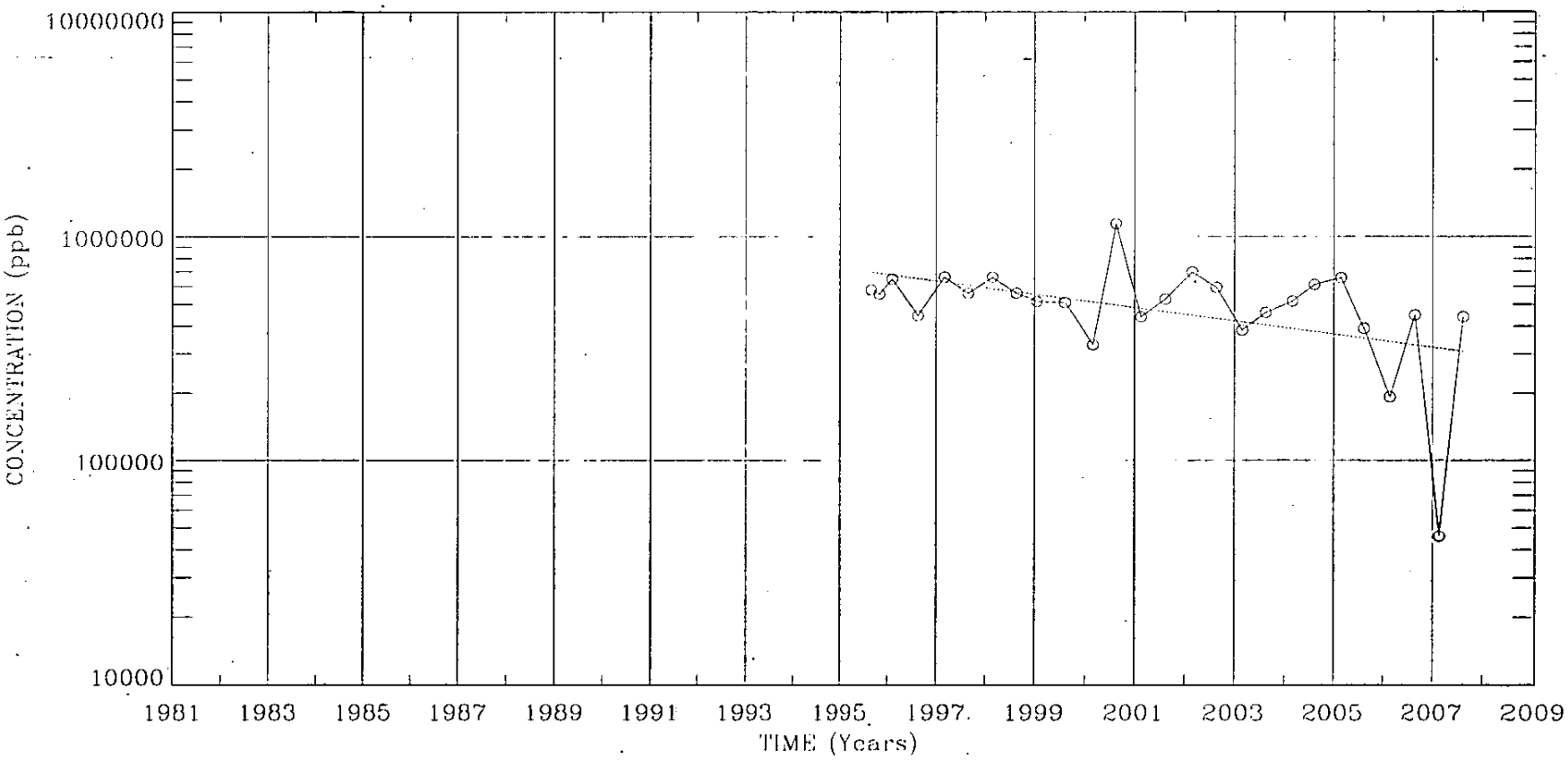

REGRESSION LINE EQUATION: $Y = 4.319E+000e^{0.0138x}$

Well AT-33 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



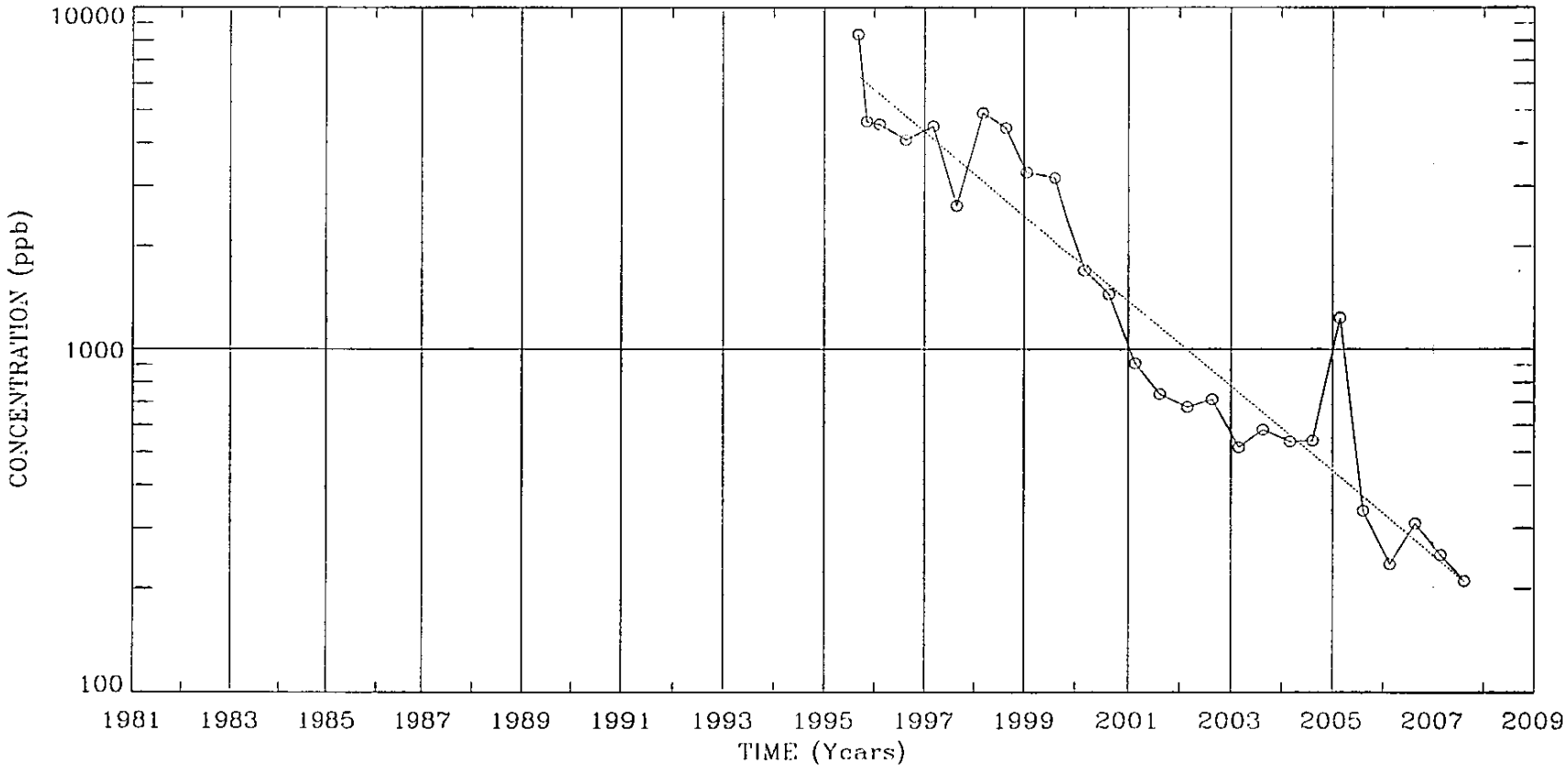

REGRESSION LINE EQUATION: $Y = 3.565E+000e^{0.0120x}$

Well AT-34 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



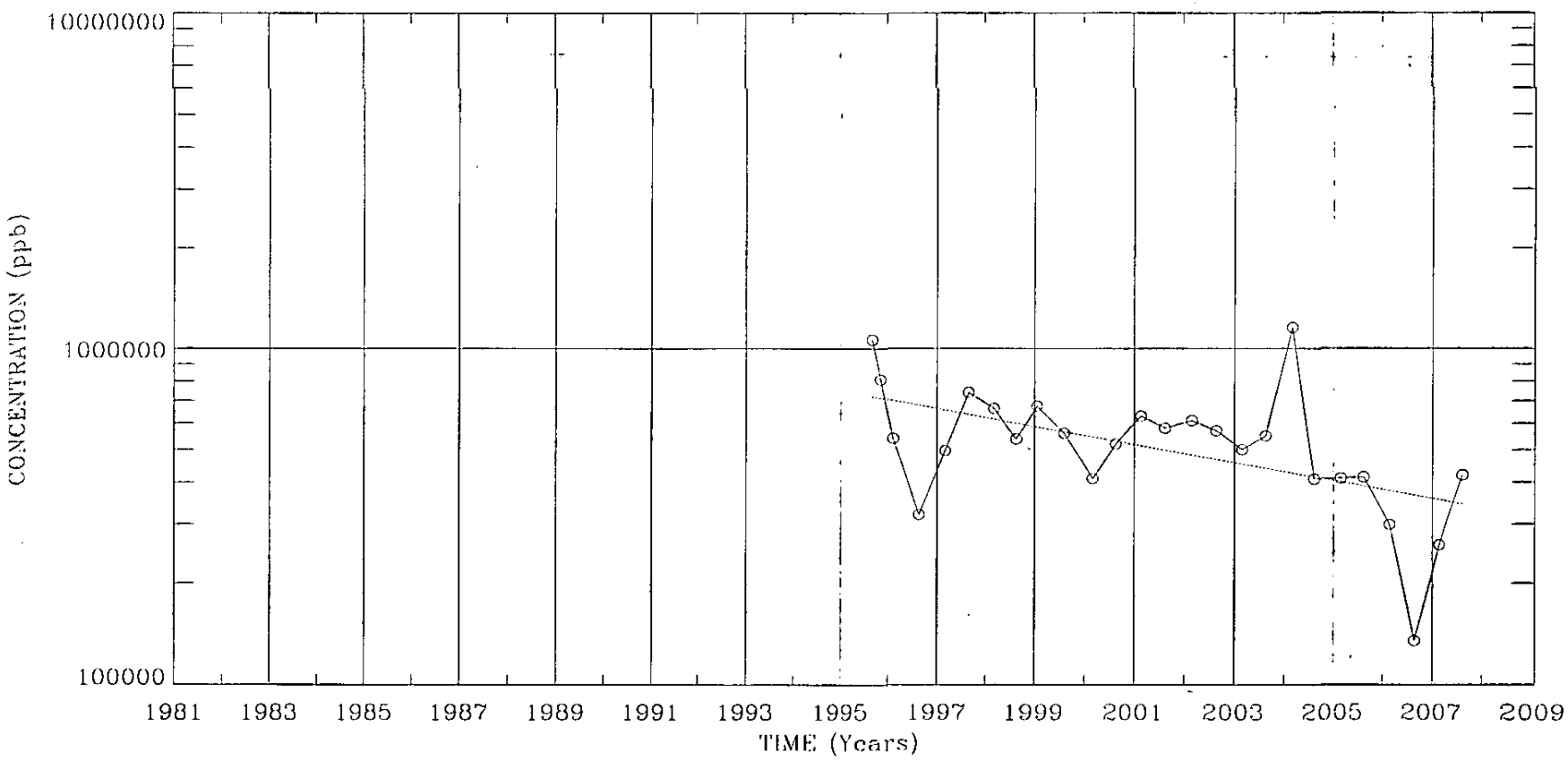

REGRESSION LINE EQUATION: $Y = 4.685E+008e^{-0.0681x}$

Well AT-35 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



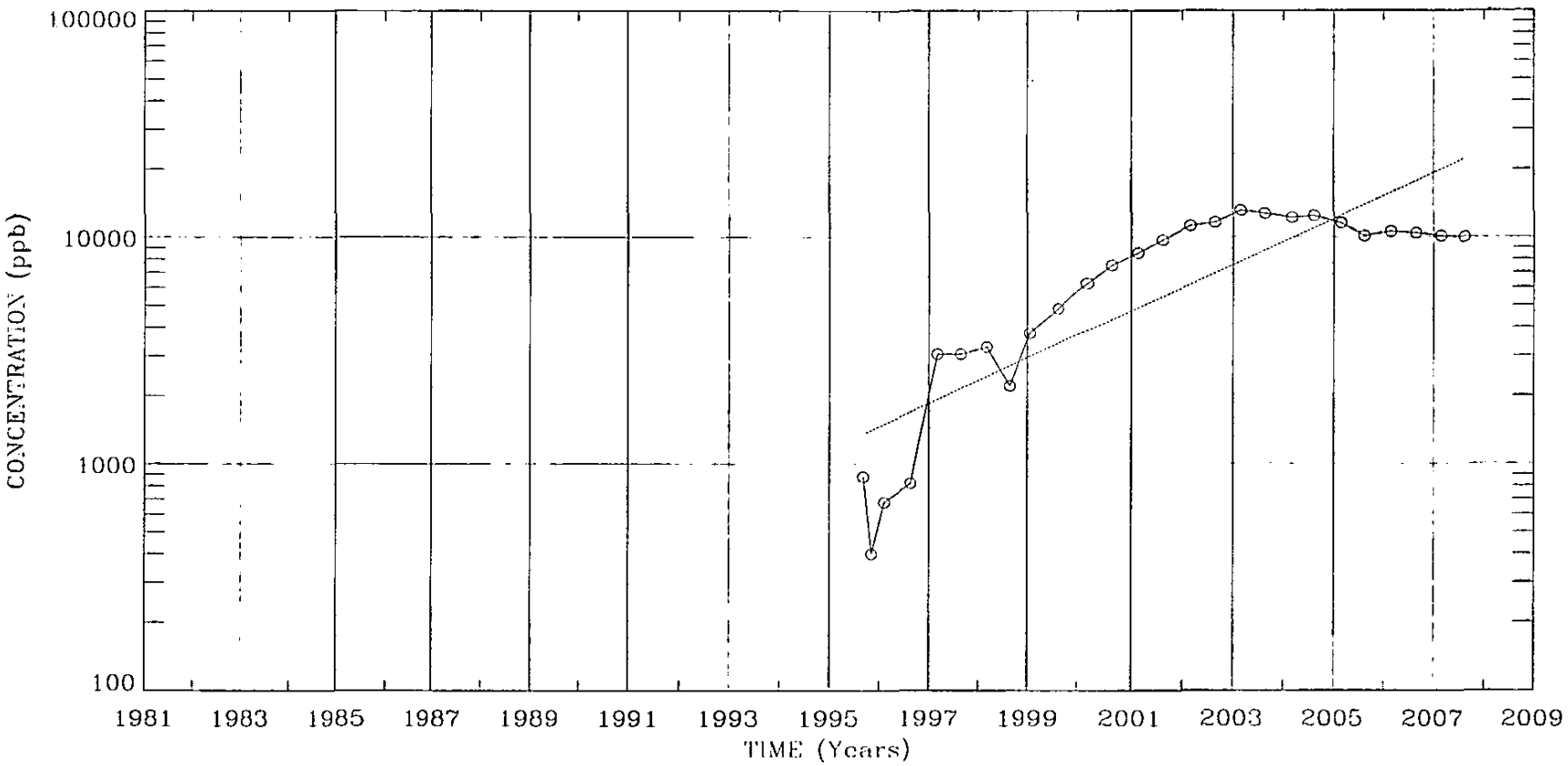

REGRESSION LINE EQUATION: $Y = 4.4161E+015e^{0.2851x}$

Well AT-36 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



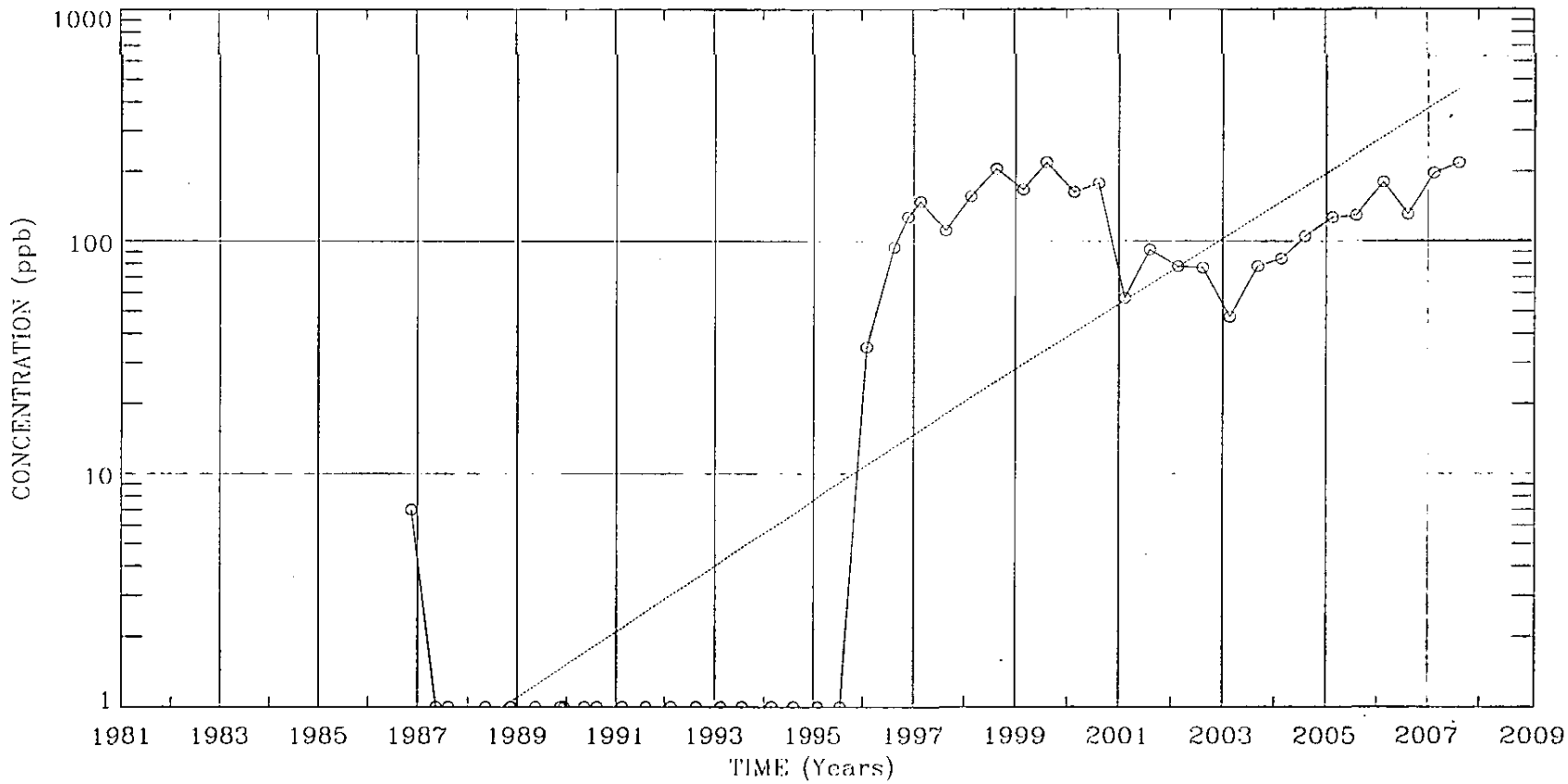

REGRESSION LINE EQUATION: $Y = 2.628E+008e^{0.0617x}$

Well AT-37 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



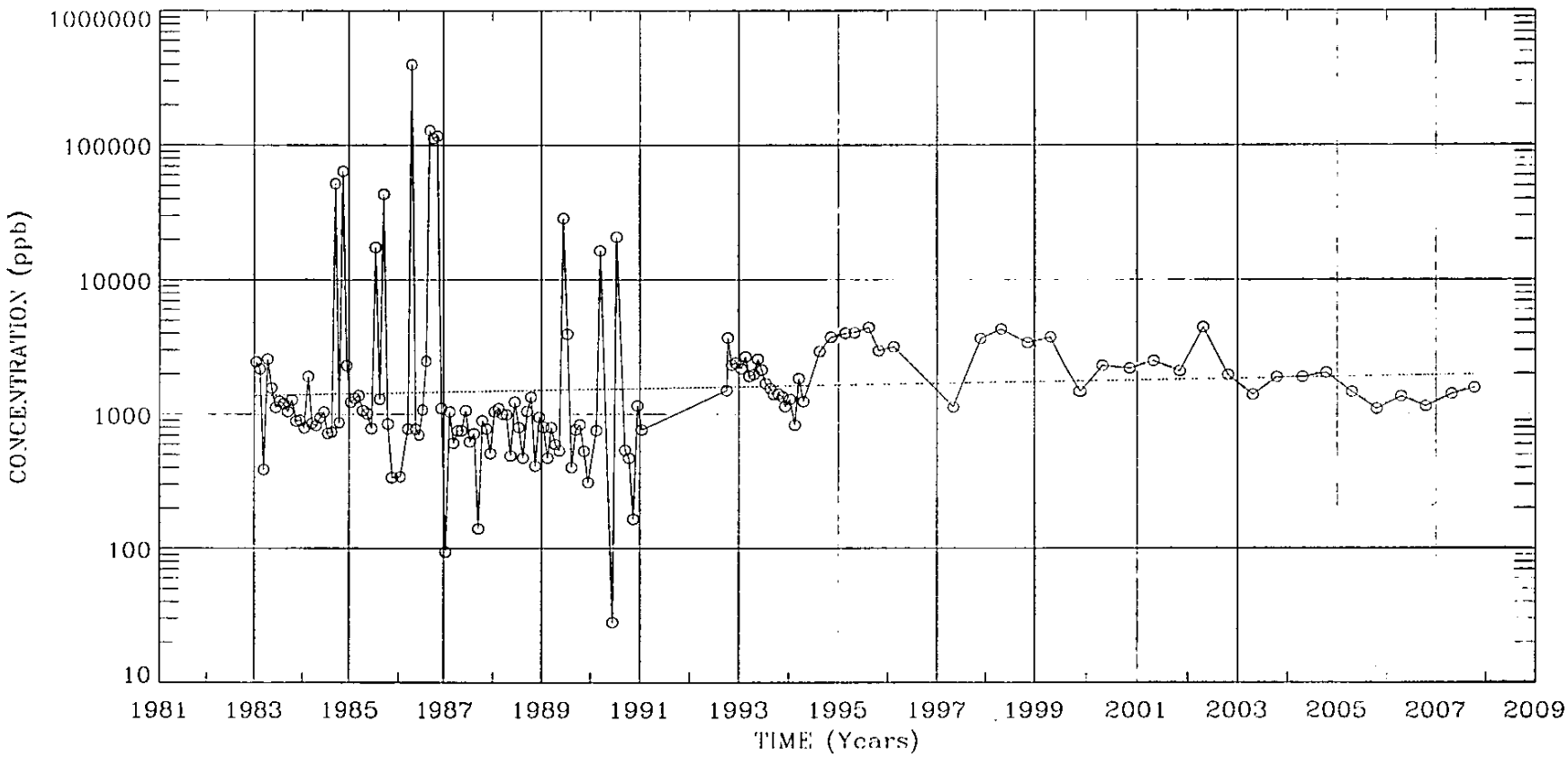

REGRESSION LINE EQUATION: $Y = 2.496E-007e^{0.2343x}$

Well DM-03 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



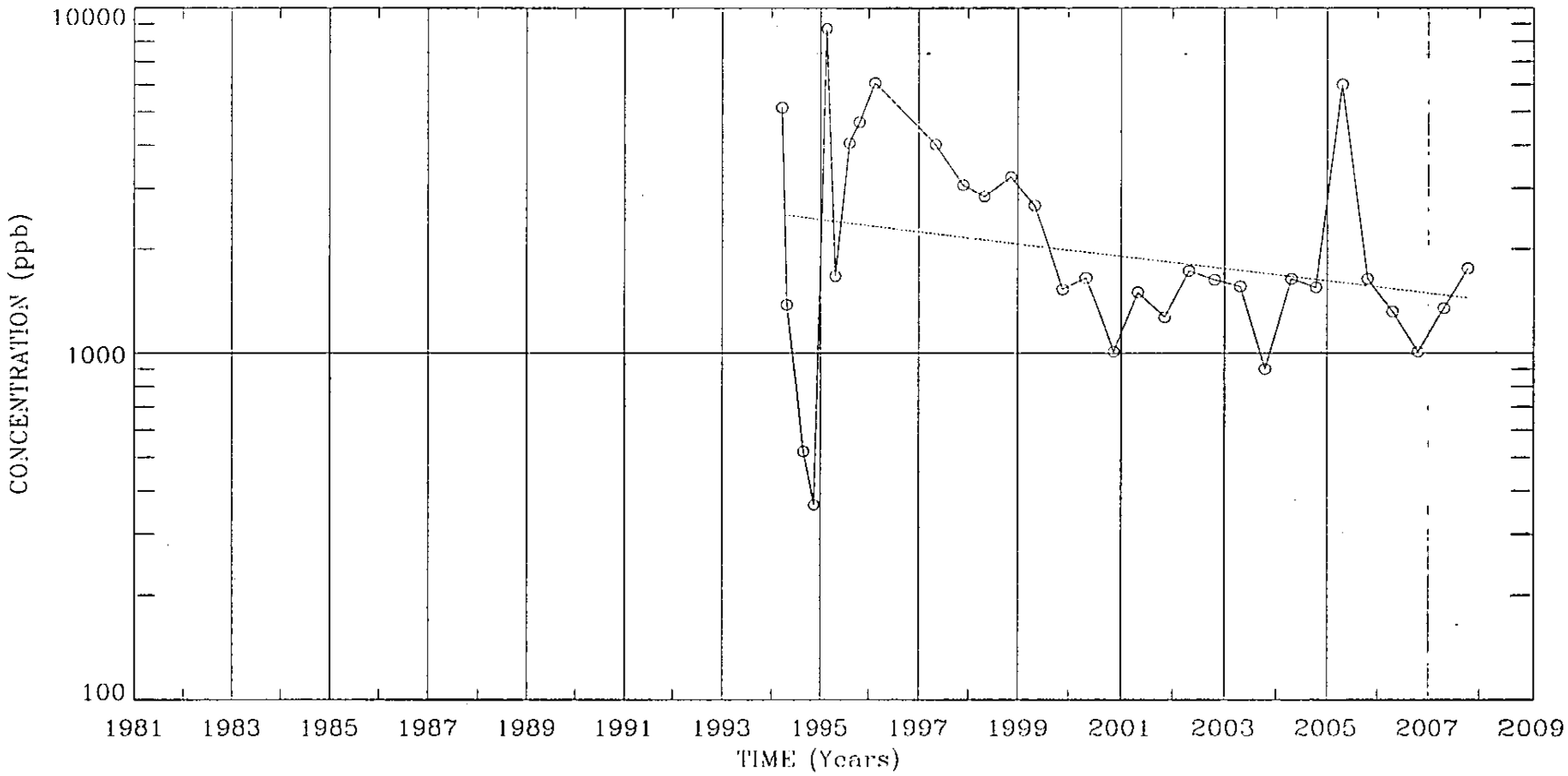

REGRESSION LINE EQUATION: $Y = 3.271E-013e^{0.3241x}$

Well I-1 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



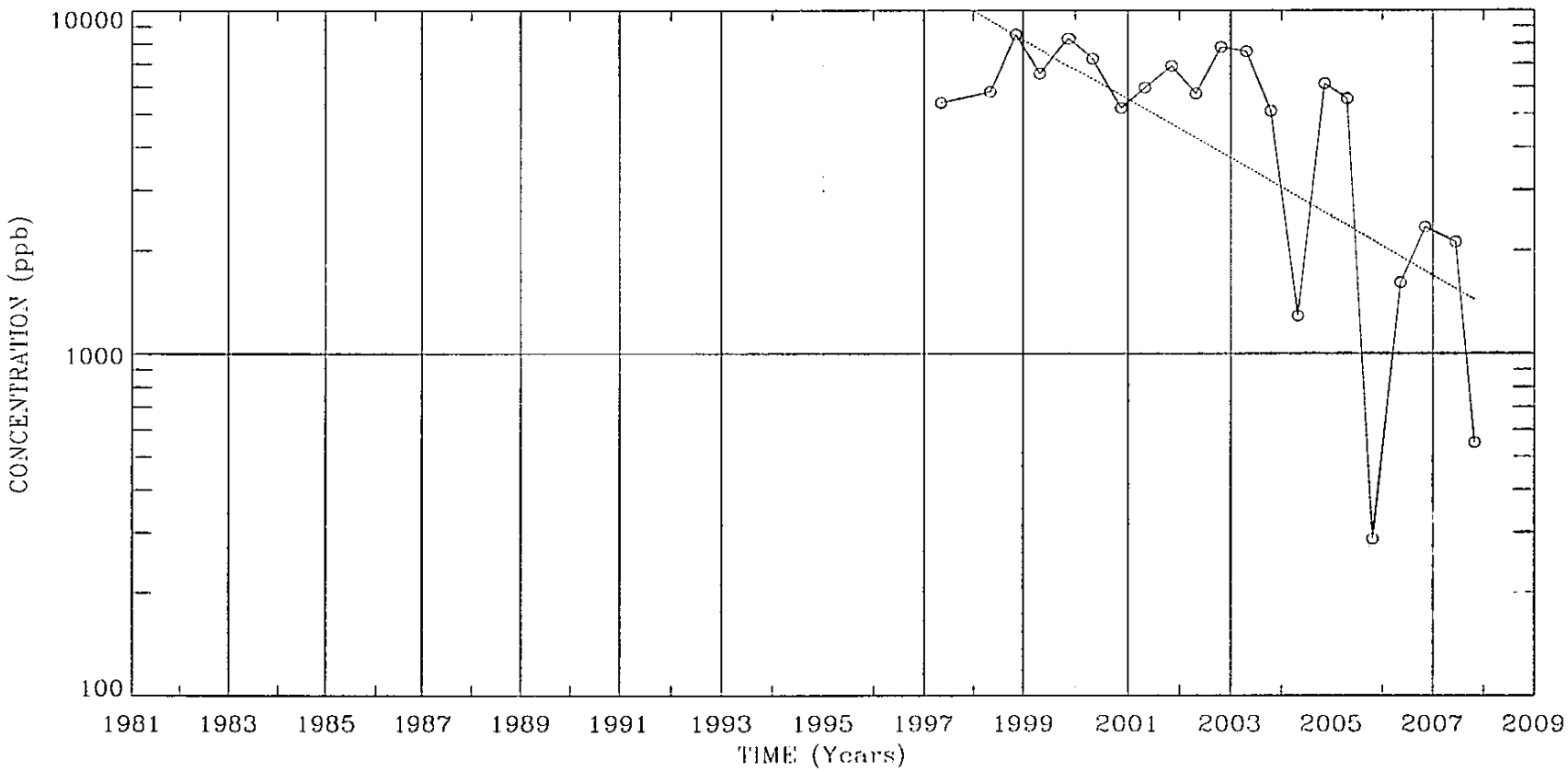

REGRESSION LINE EQUATION: $Y = 4.036E+002e^{0.0148x}$

Well I-10 UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



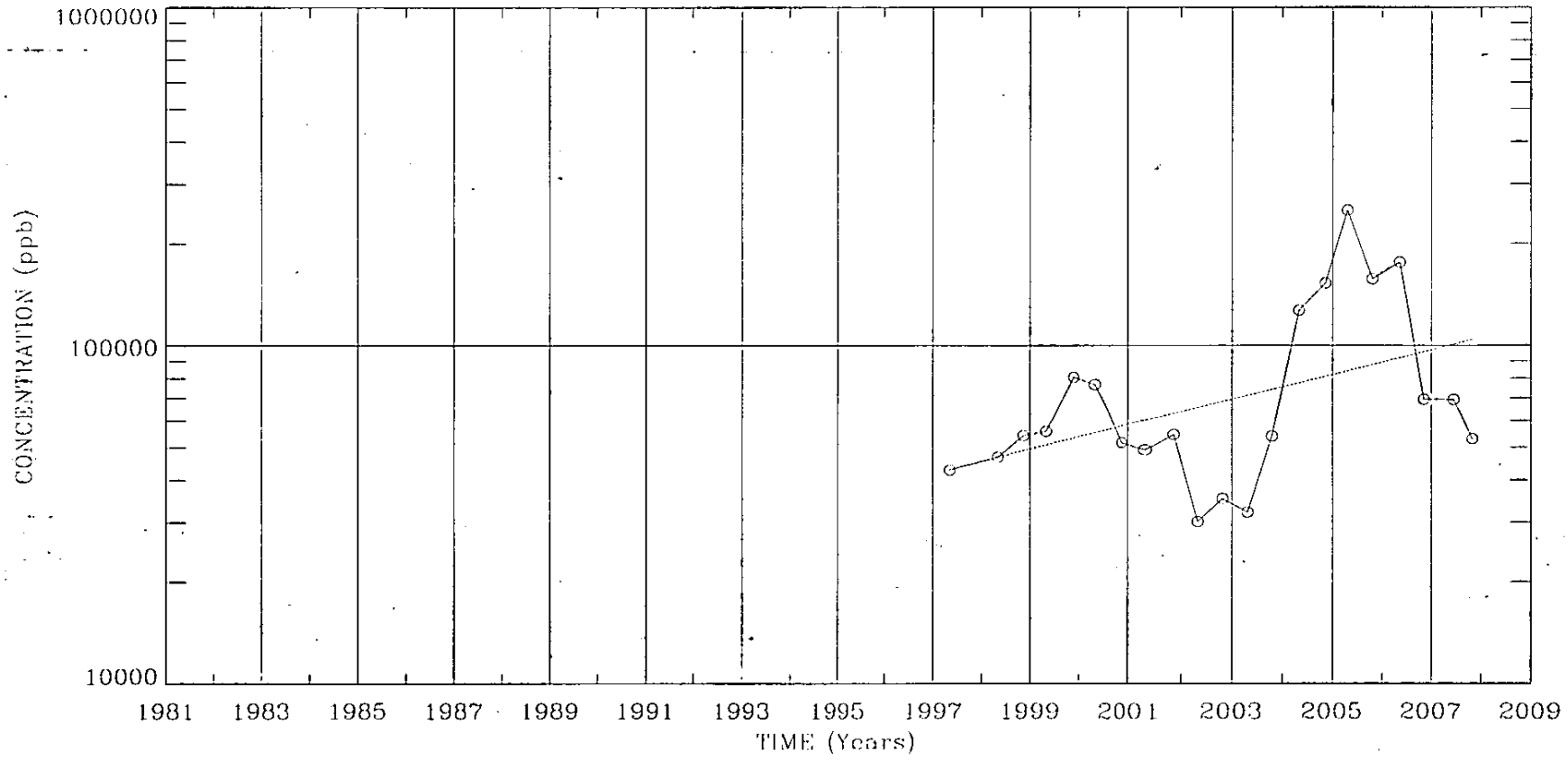

REGRESSION LINE EQUATION: $Y = 1.174E+005e^{0.0408x}$

Well I-11 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



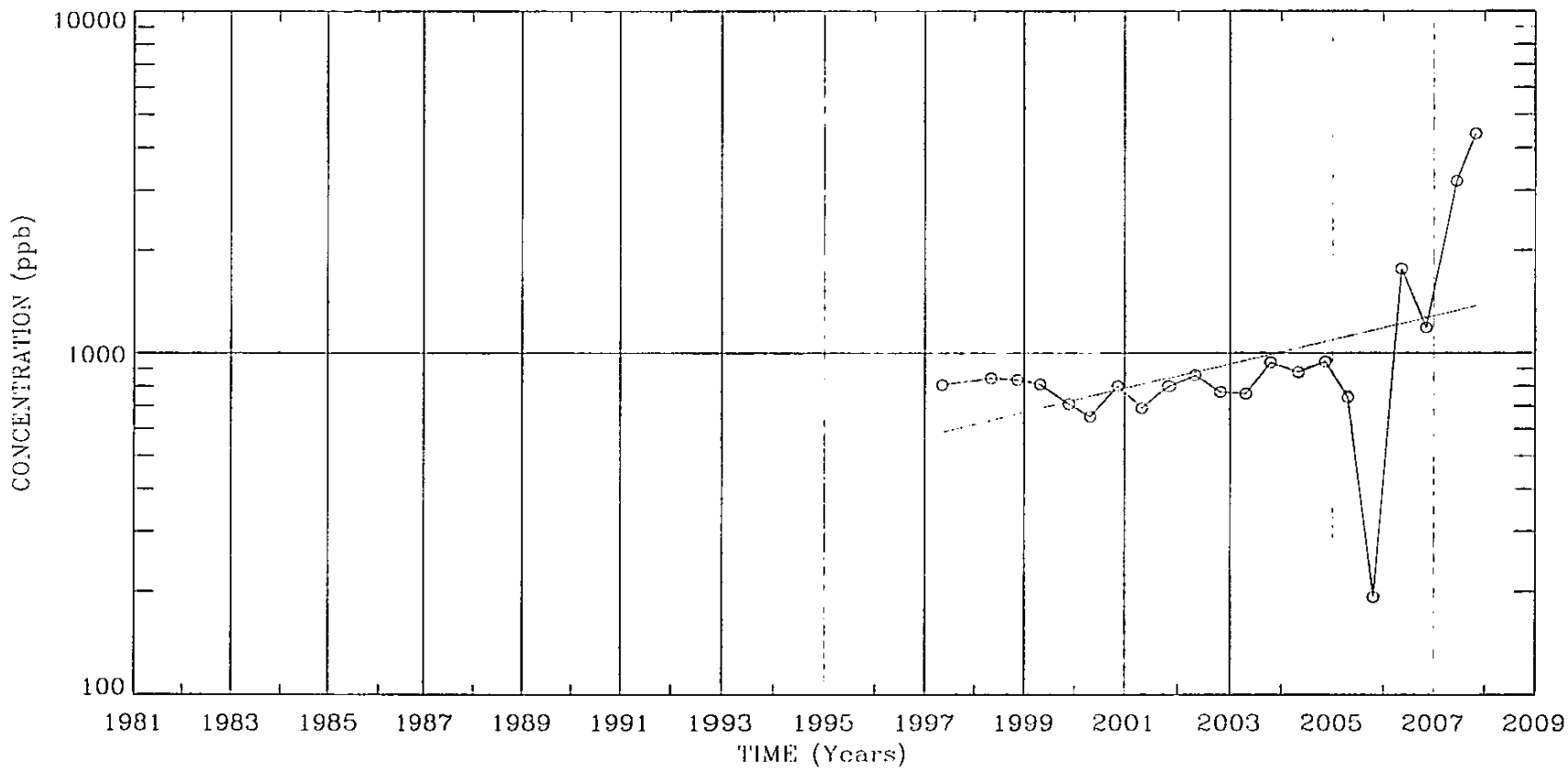

REGRESSION LINE EQUATION: $Y = 2.482E+012e^{0.1972x}$

Well I-12 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



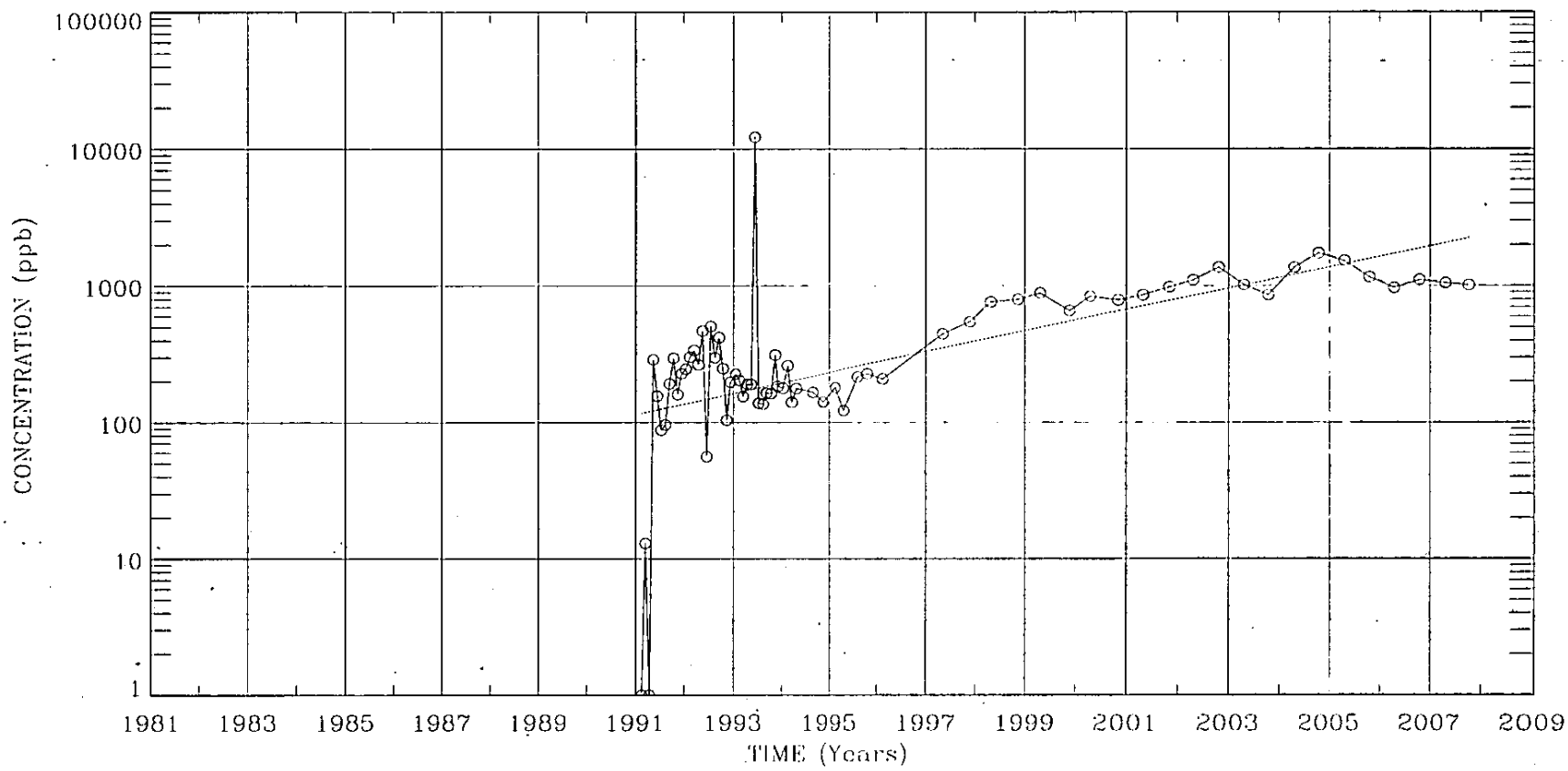

REGRESSION LINE EQUATION: $Y = 1.185E+001e^{0.0842x}$

Well I-13 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



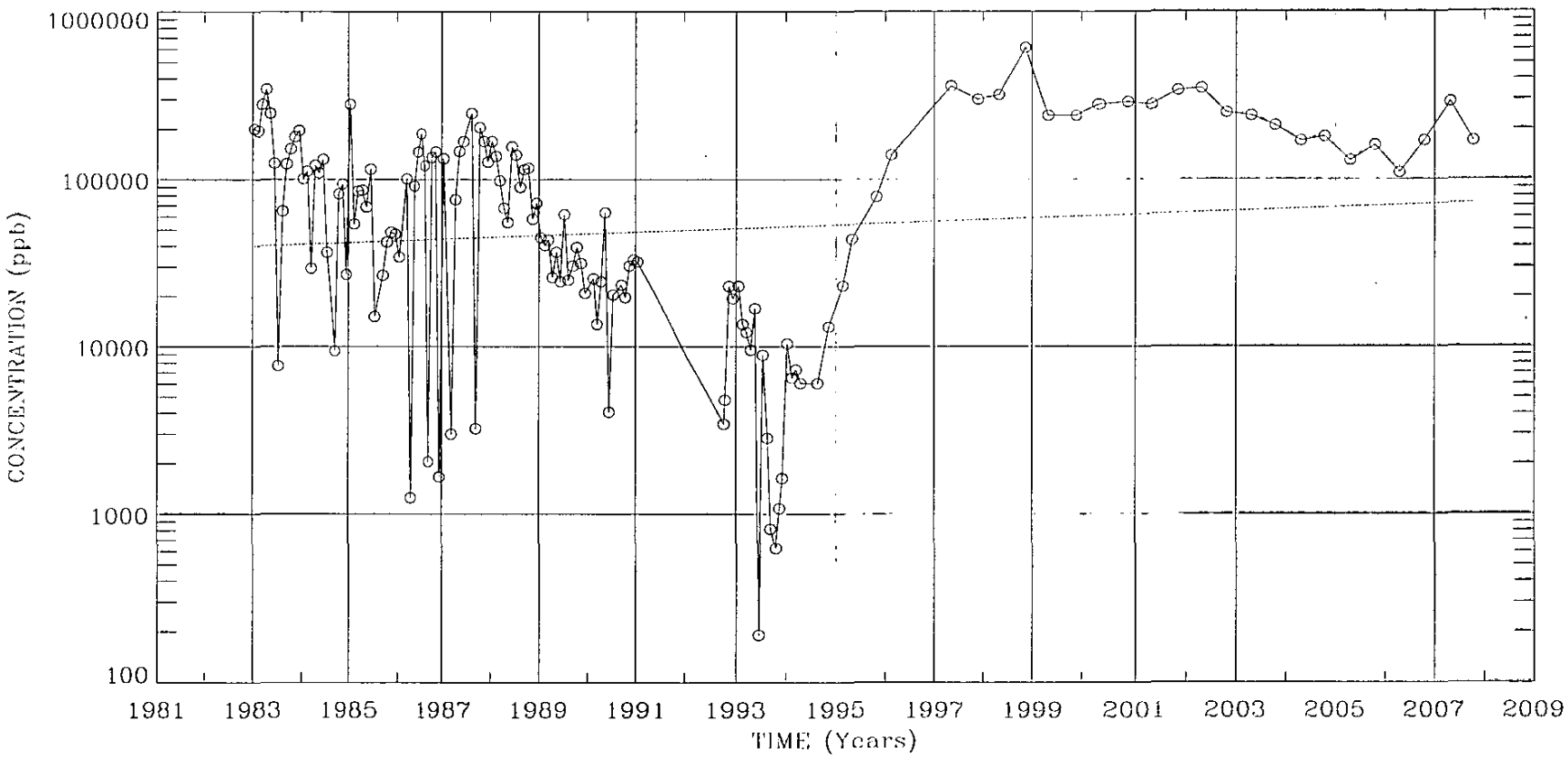

REGRESSION LINE EQUATION: $Y = 2.110E-001e^{0.0815x}$

Well I-1R UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



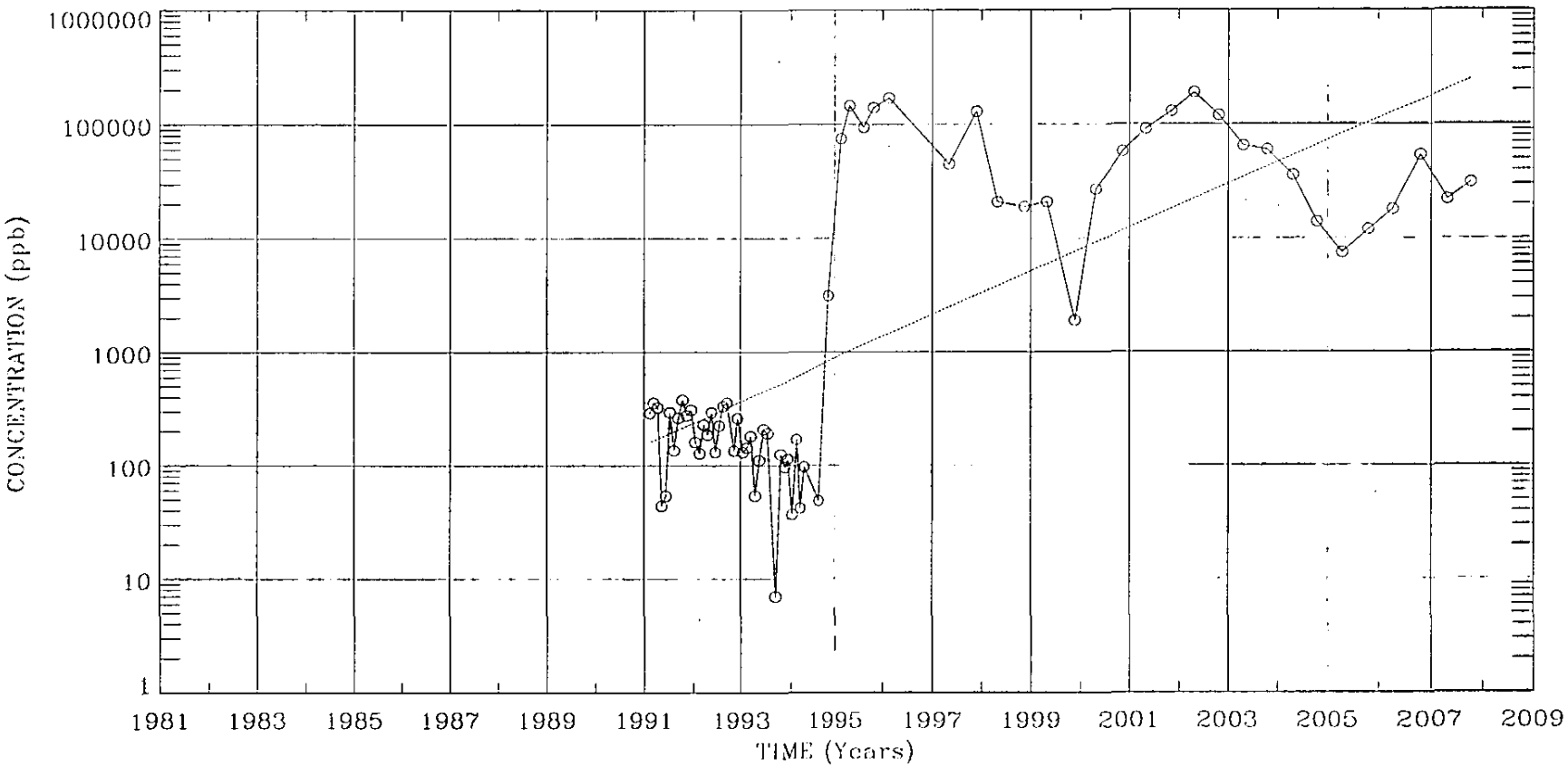

REGRESSION LINE EQUATION: $Y = 1.067E-005e^{0.1778x}$

Well I-2 UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



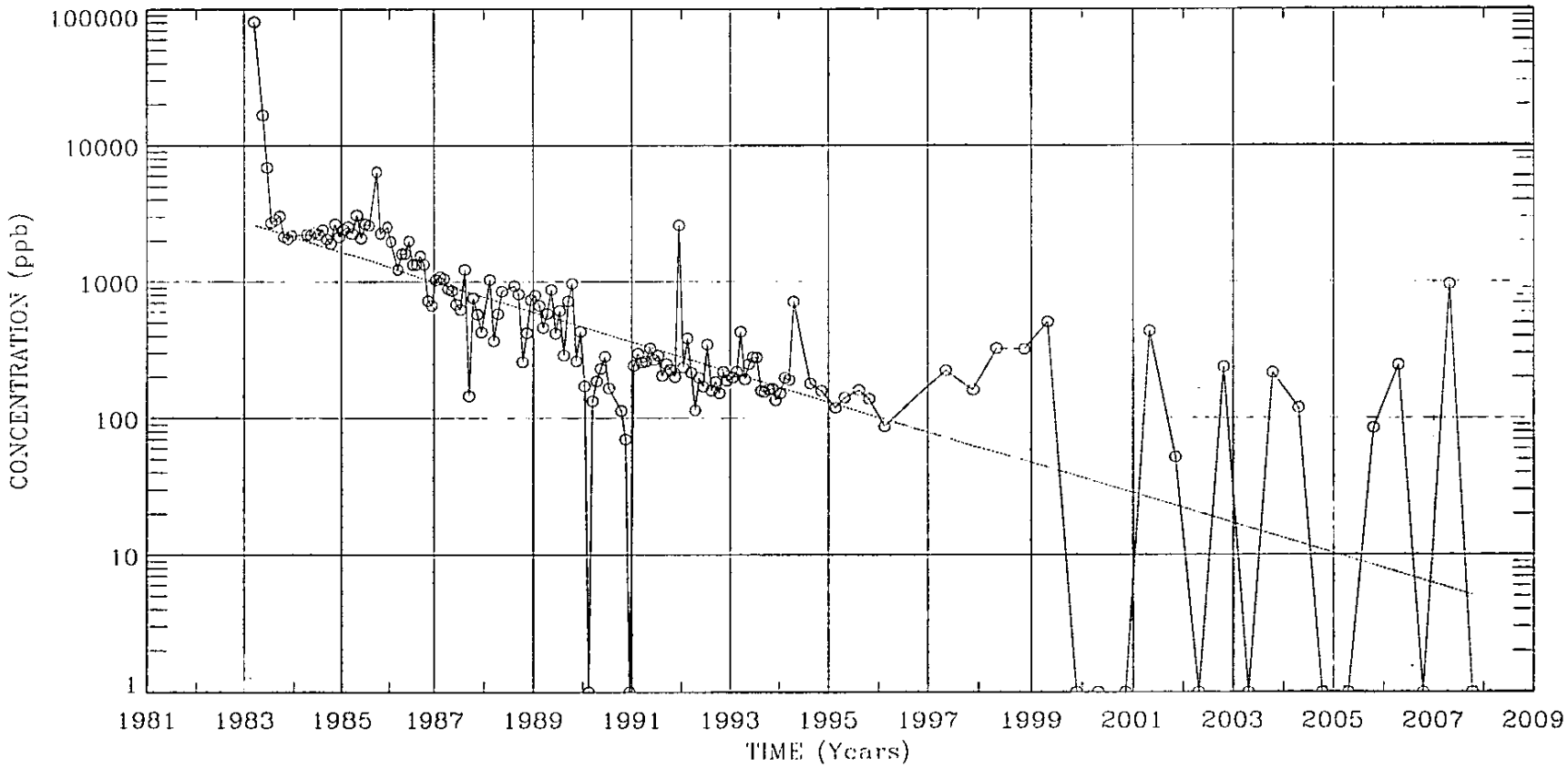

REGRESSION LINE EQUATION: $Y = 5.350E+003e^{0.0242x}$

Well I-2R UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



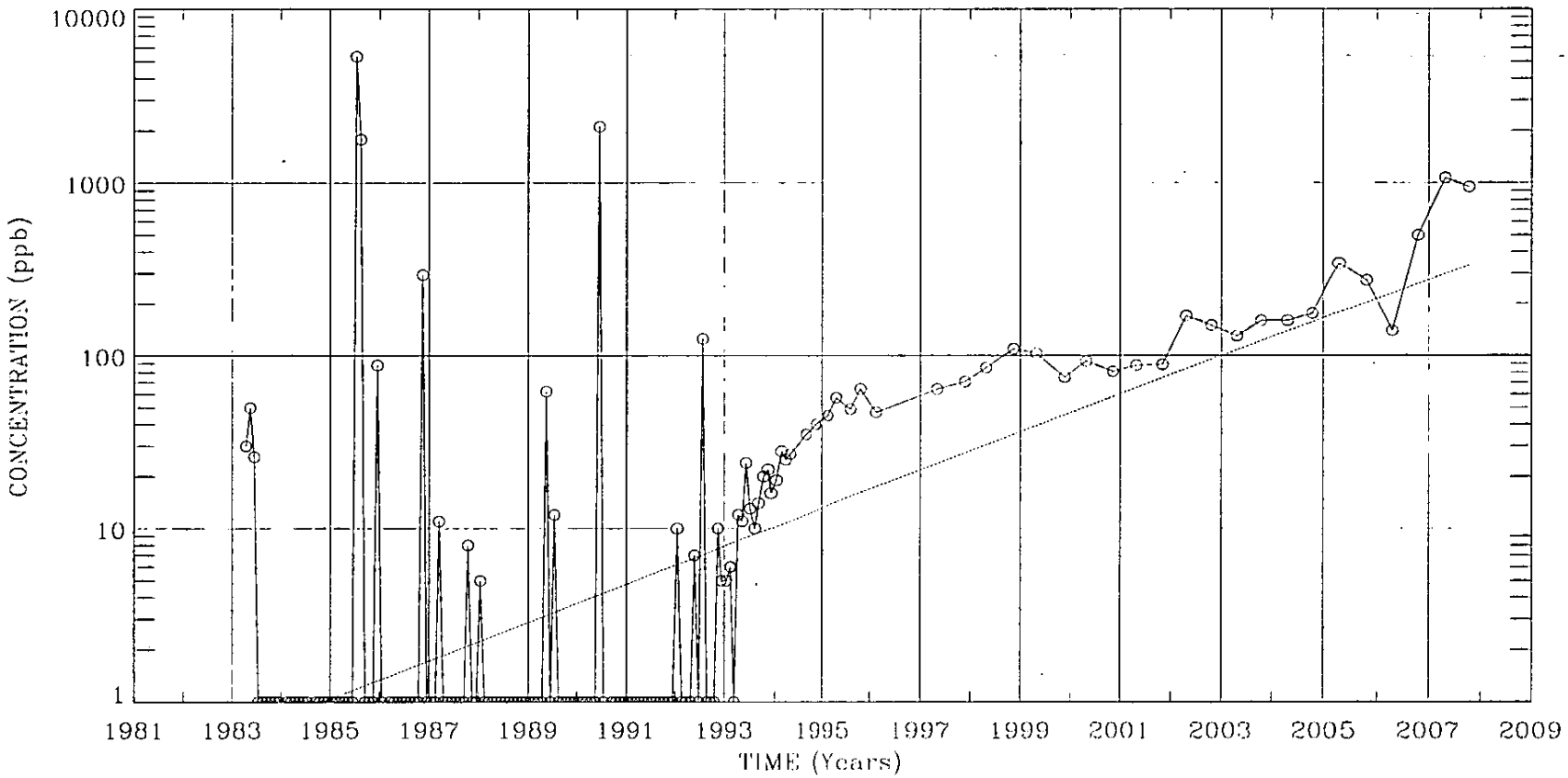

REGRESSION LINE EQUATION: $Y = 5.650E-016e^{0.4410x}$

Well I-3 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



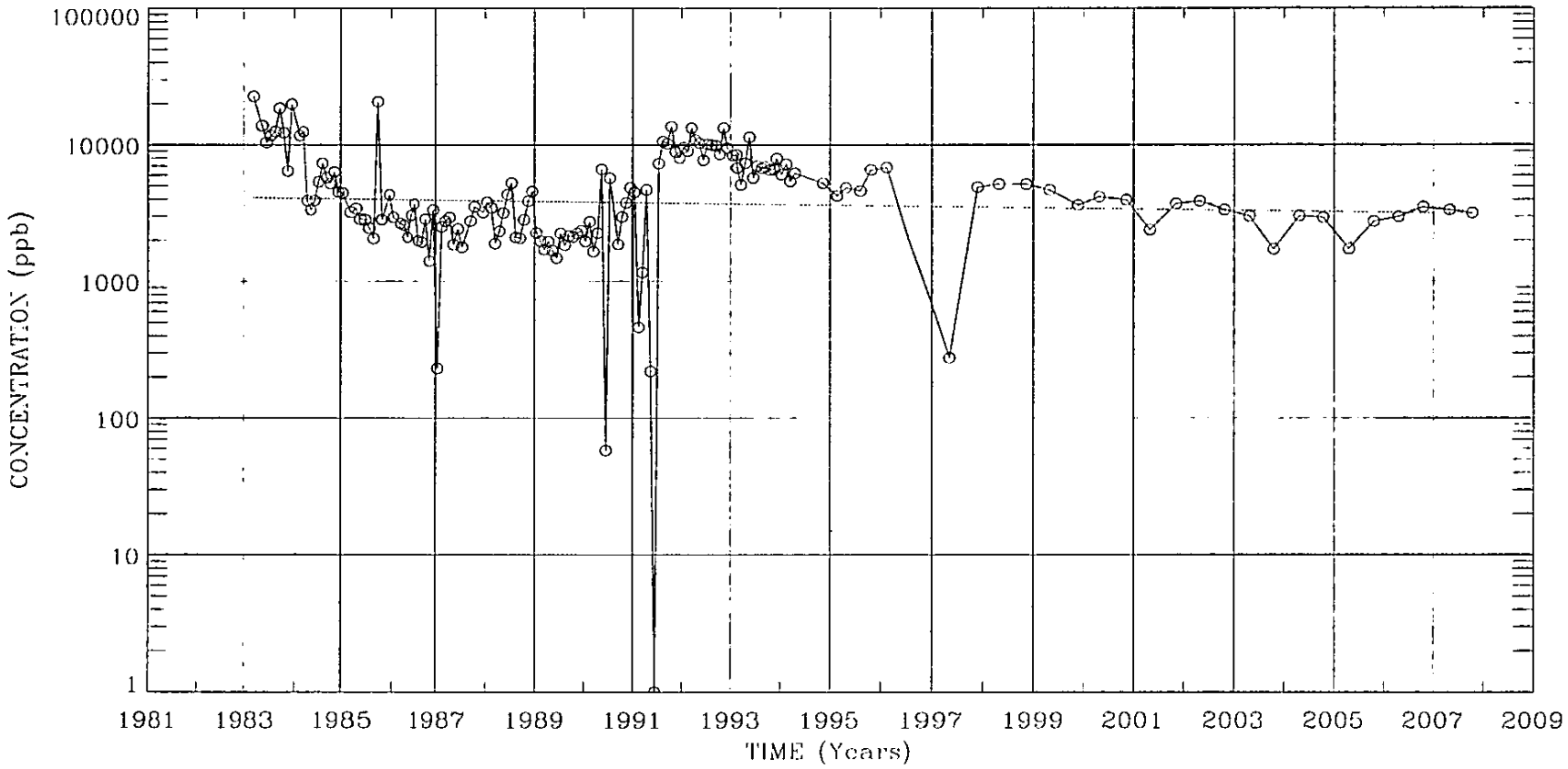

REGRESSION LINE EQUATION: $Y = 3.918E+012e^{0.2539x}$

Well I-4 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



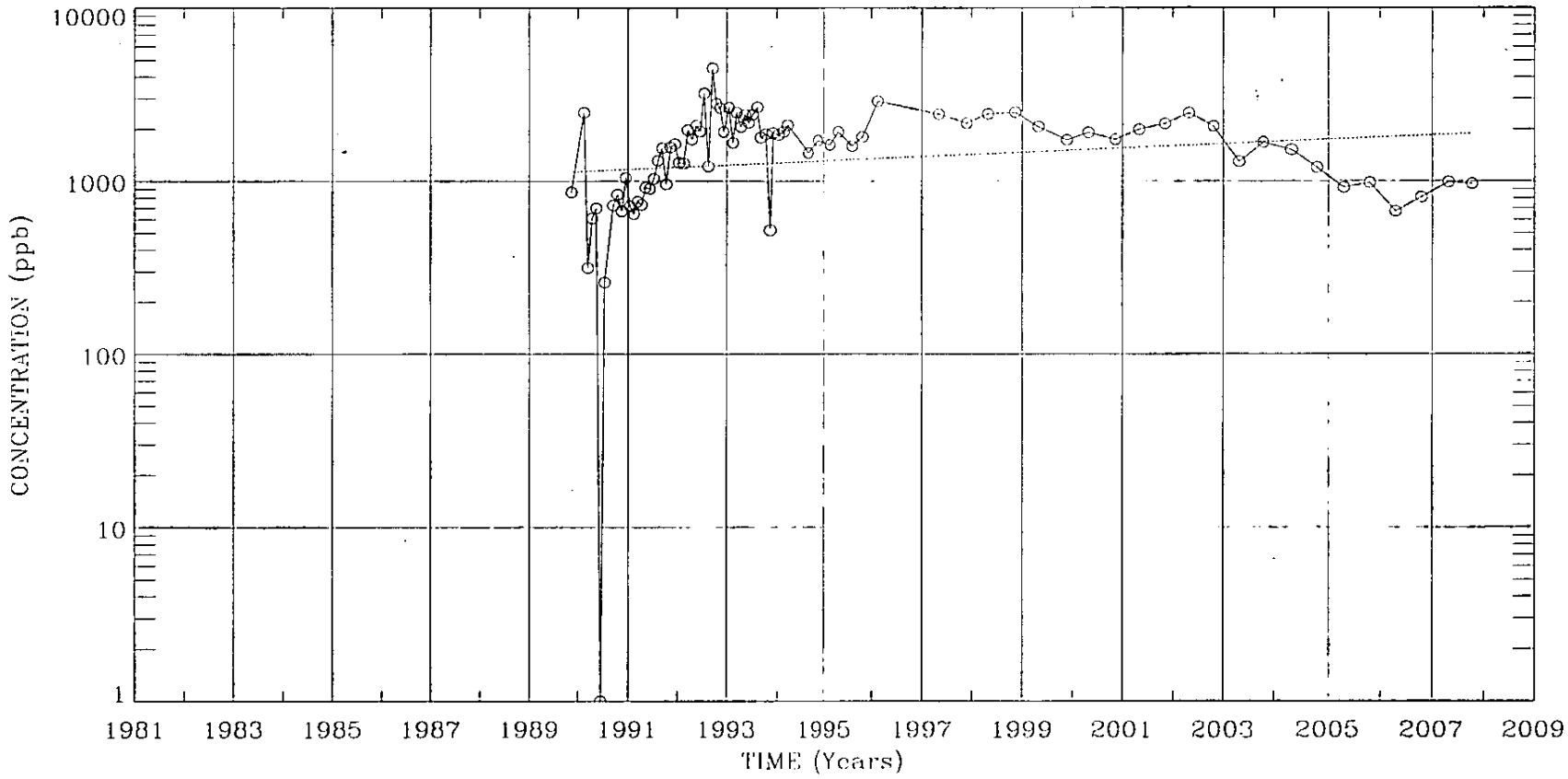

REGRESSION LINE EQUATION: $Y = 4.469E-010e^{0.2537x}$

Well I-5 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



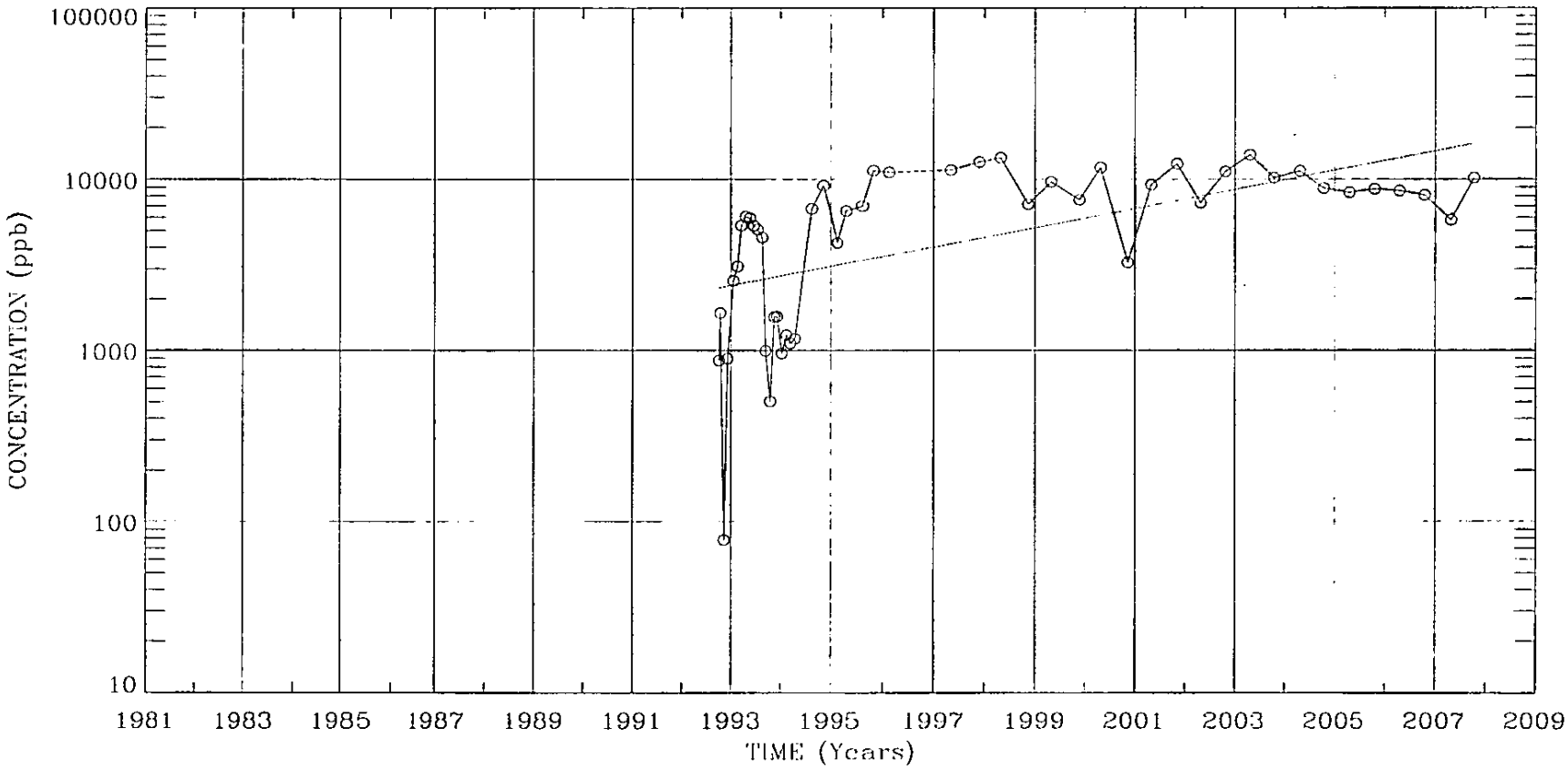

REGRESSION LINE EQUATION: $Y = 1.000E+004e^{0.0107x}$

Well I-6 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



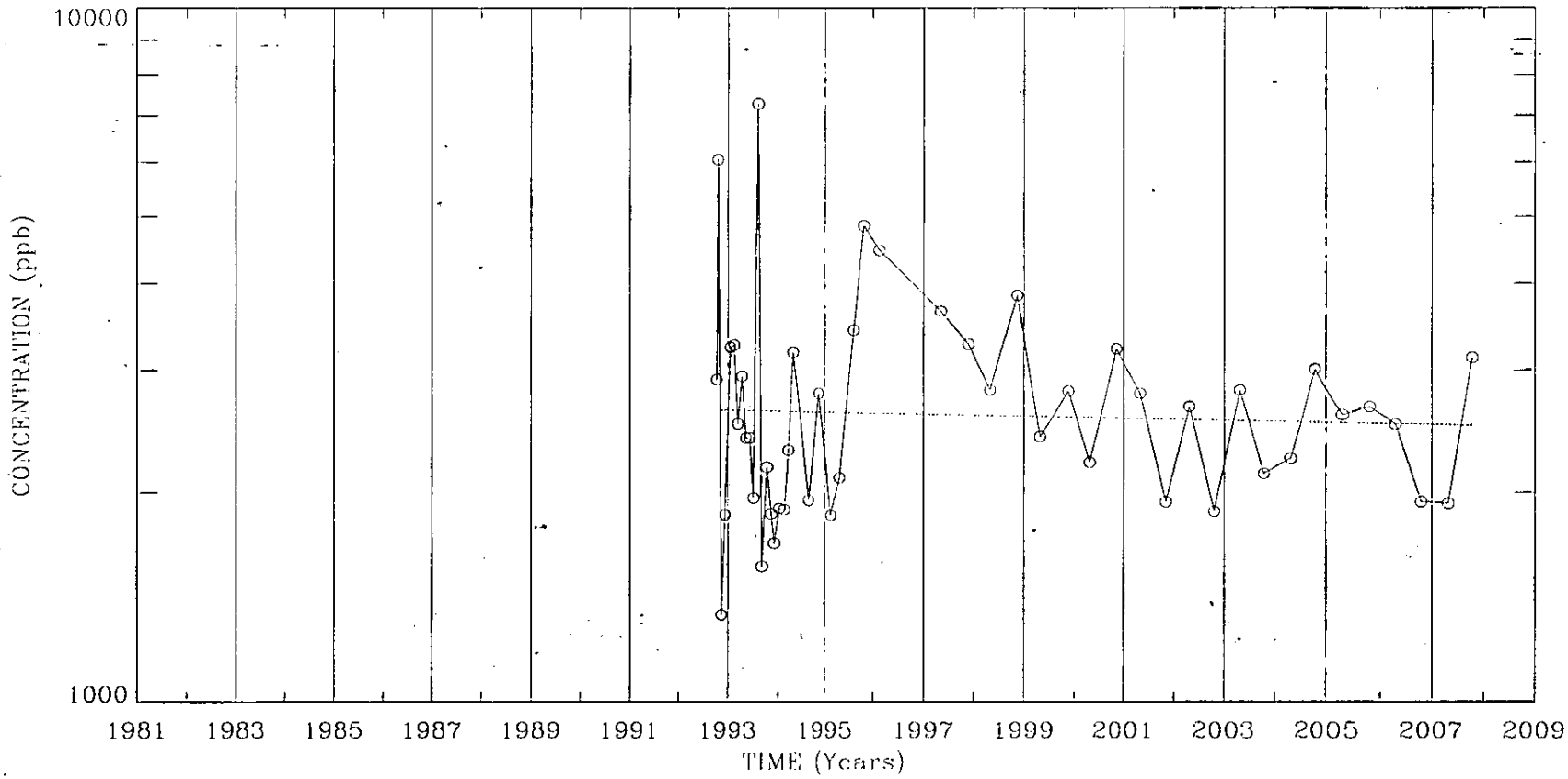

REGRESSION LINE EQUATION: $Y = 8.585E+001e^{0.0287x}$

Well I-7 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



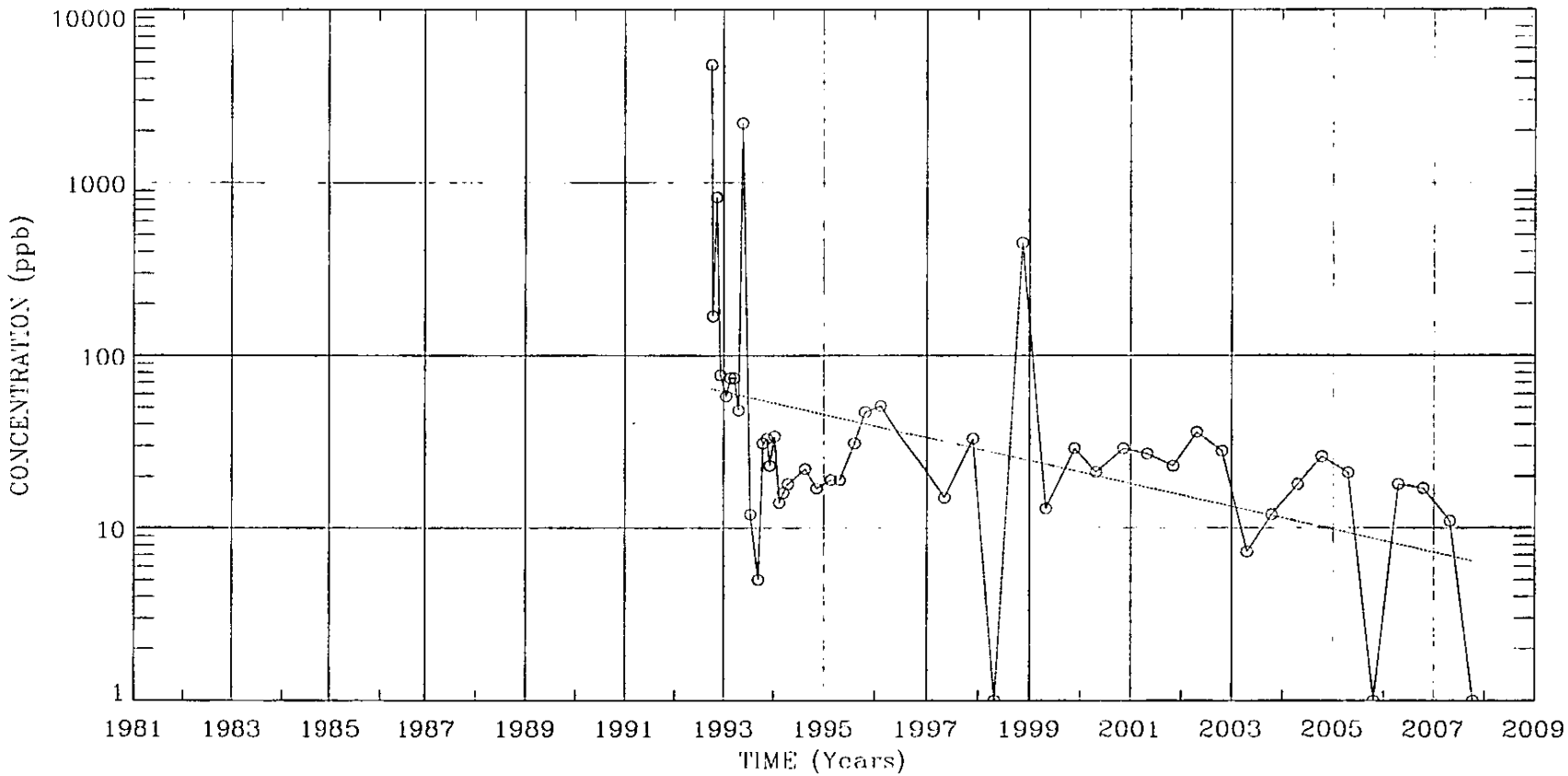

REGRESSION LINE EQUATION: $Y = 1.447E-002e^{0.1292x}$

Well I-8 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



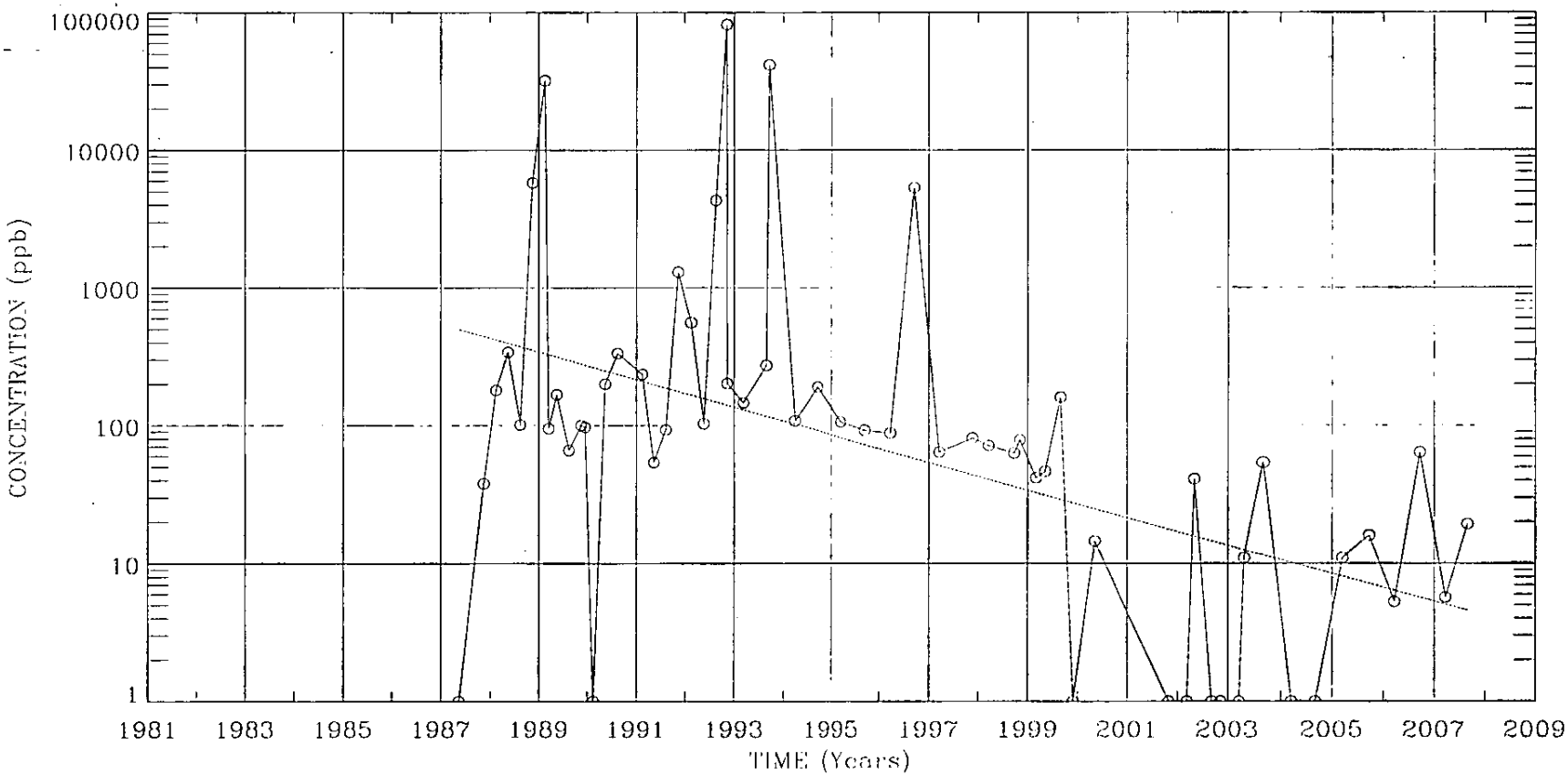

REGRESSION LINE EQUATION: $Y = 3.602E+003e^{0.0034x}$

Well I-9 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



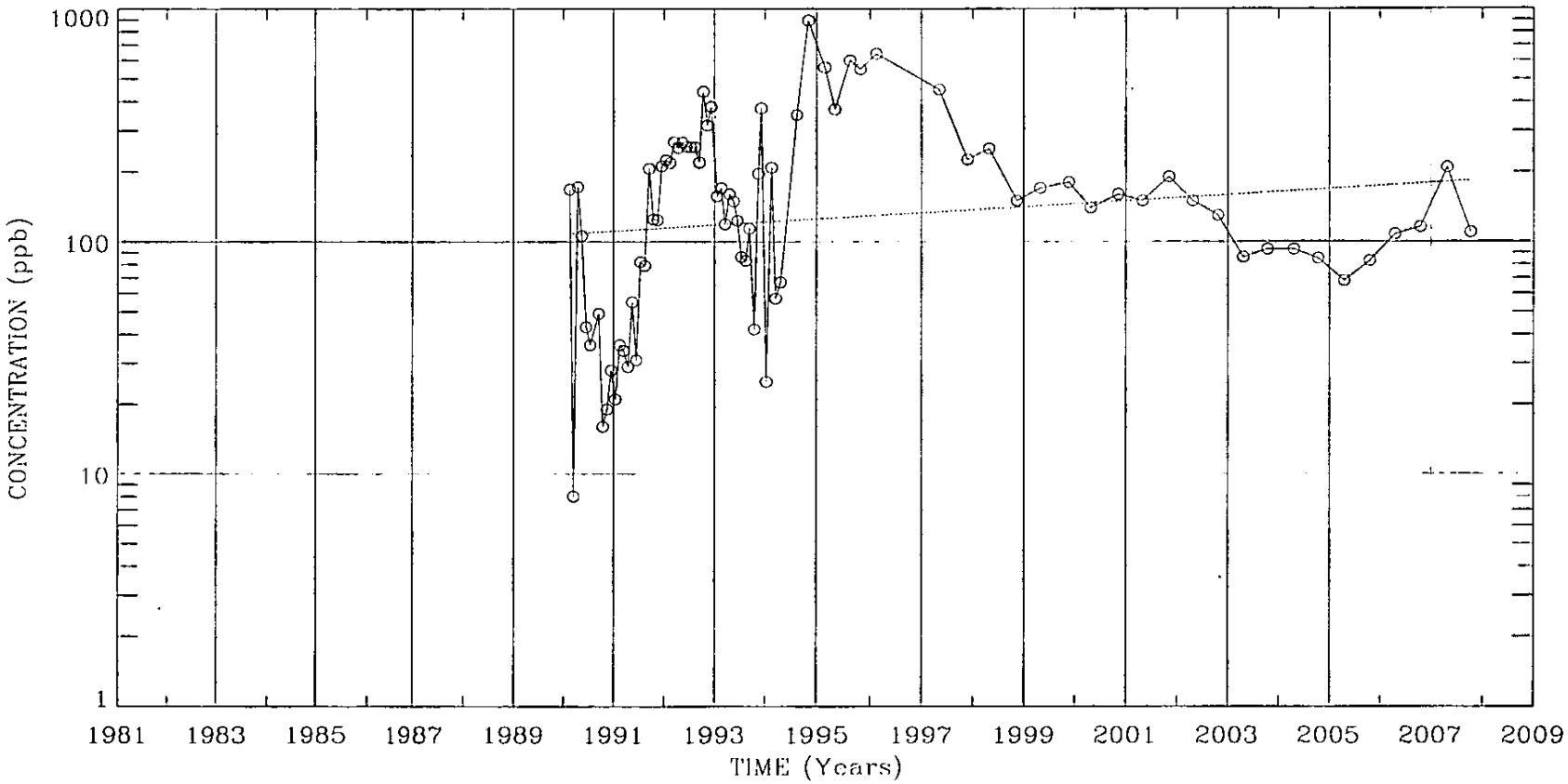

REGRESSION LINE EQUATION: $Y = 9.575E+007e^{-0.1532x}$

Well P-26 UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



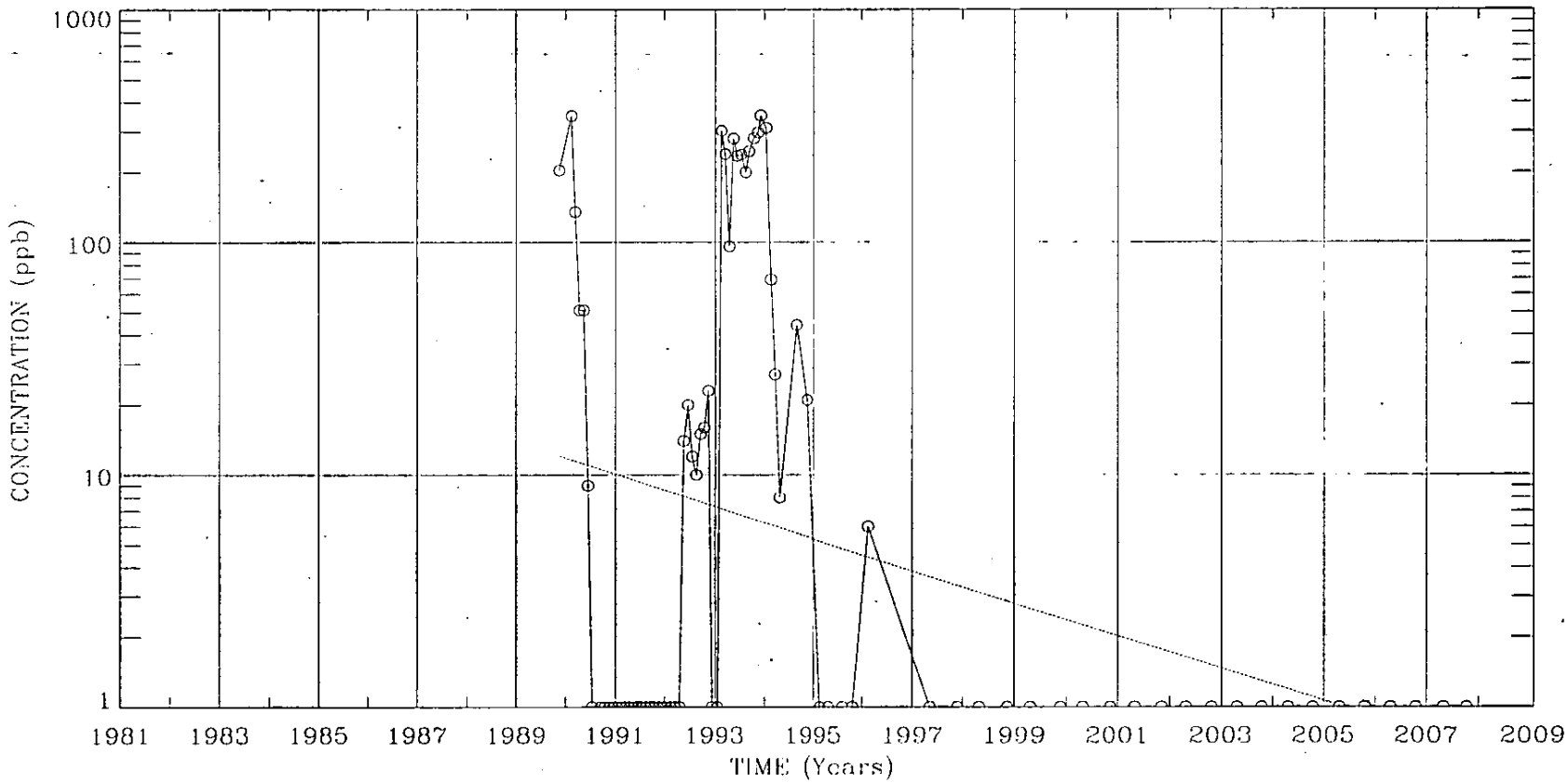

REGRESSION LINE EQUATION: $Y = 2.933E+011e^{0.2311x}$

Well R-1 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



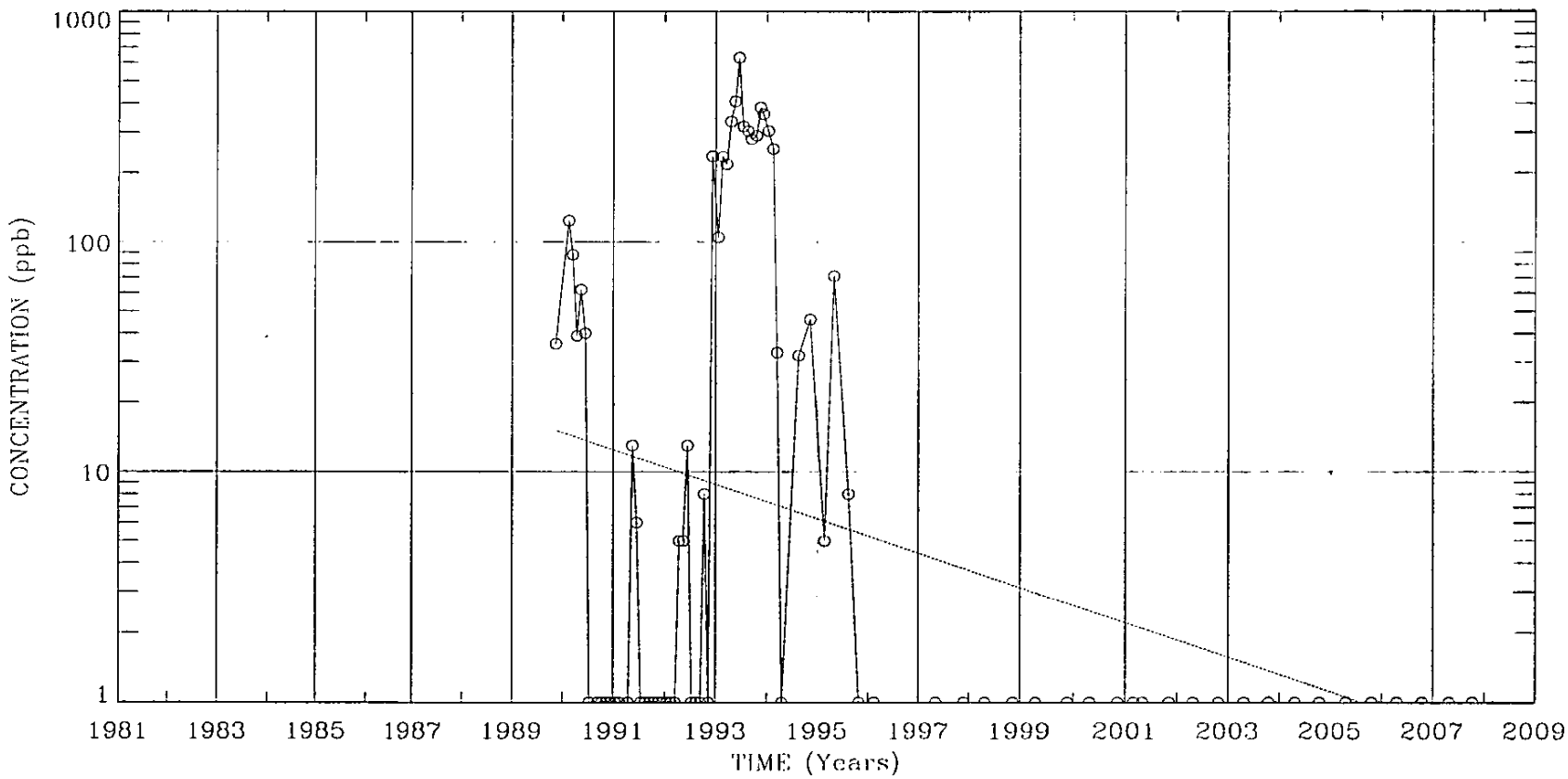

REGRESSION LINE EQUATION: $Y = 7.295E+000e^{0.0299x}$

Well R-2 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



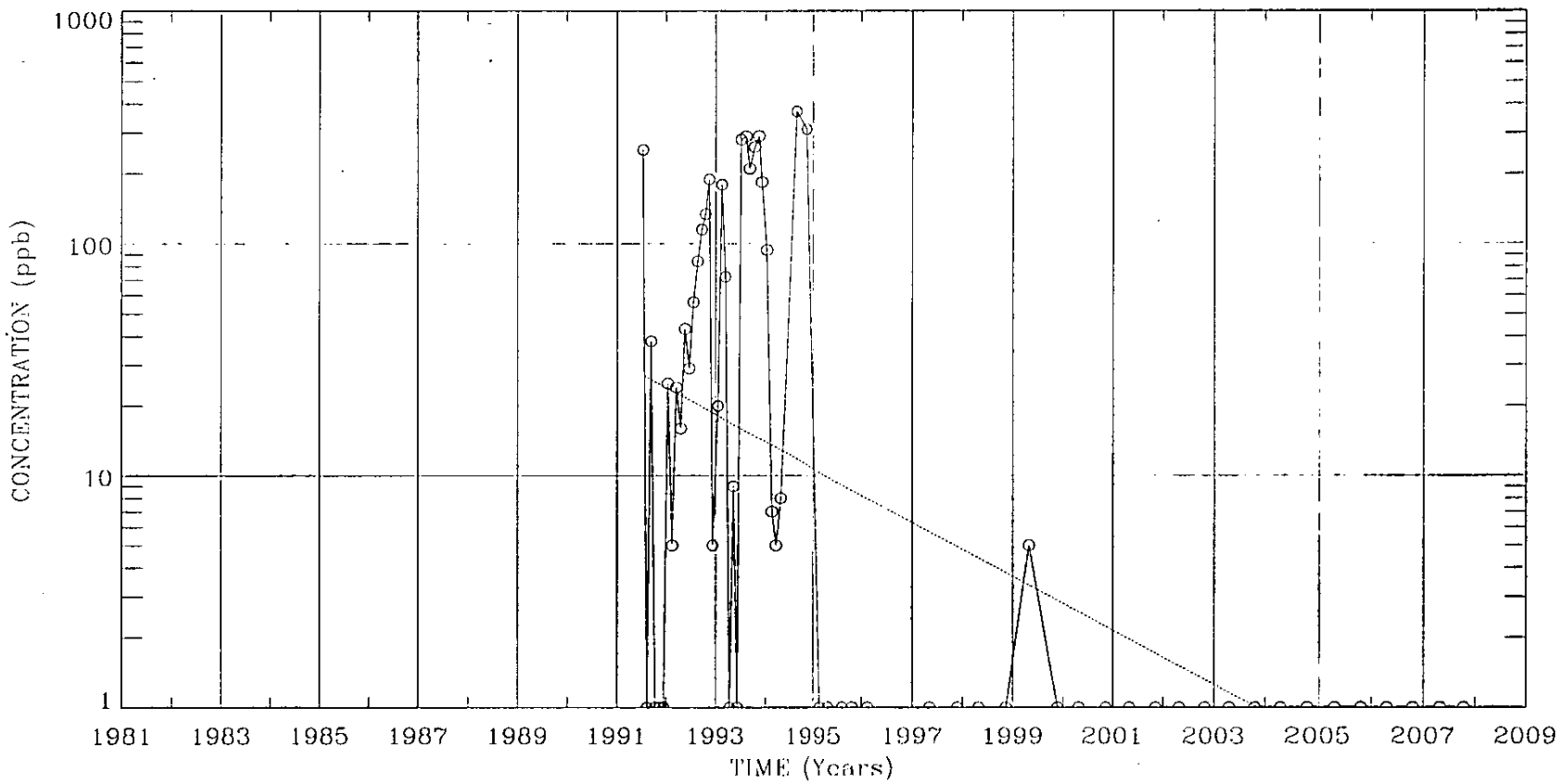

REGRESSION LINE EQUATION: $Y = 2.216E+007e^{-0.1605x}$

Well R-3 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



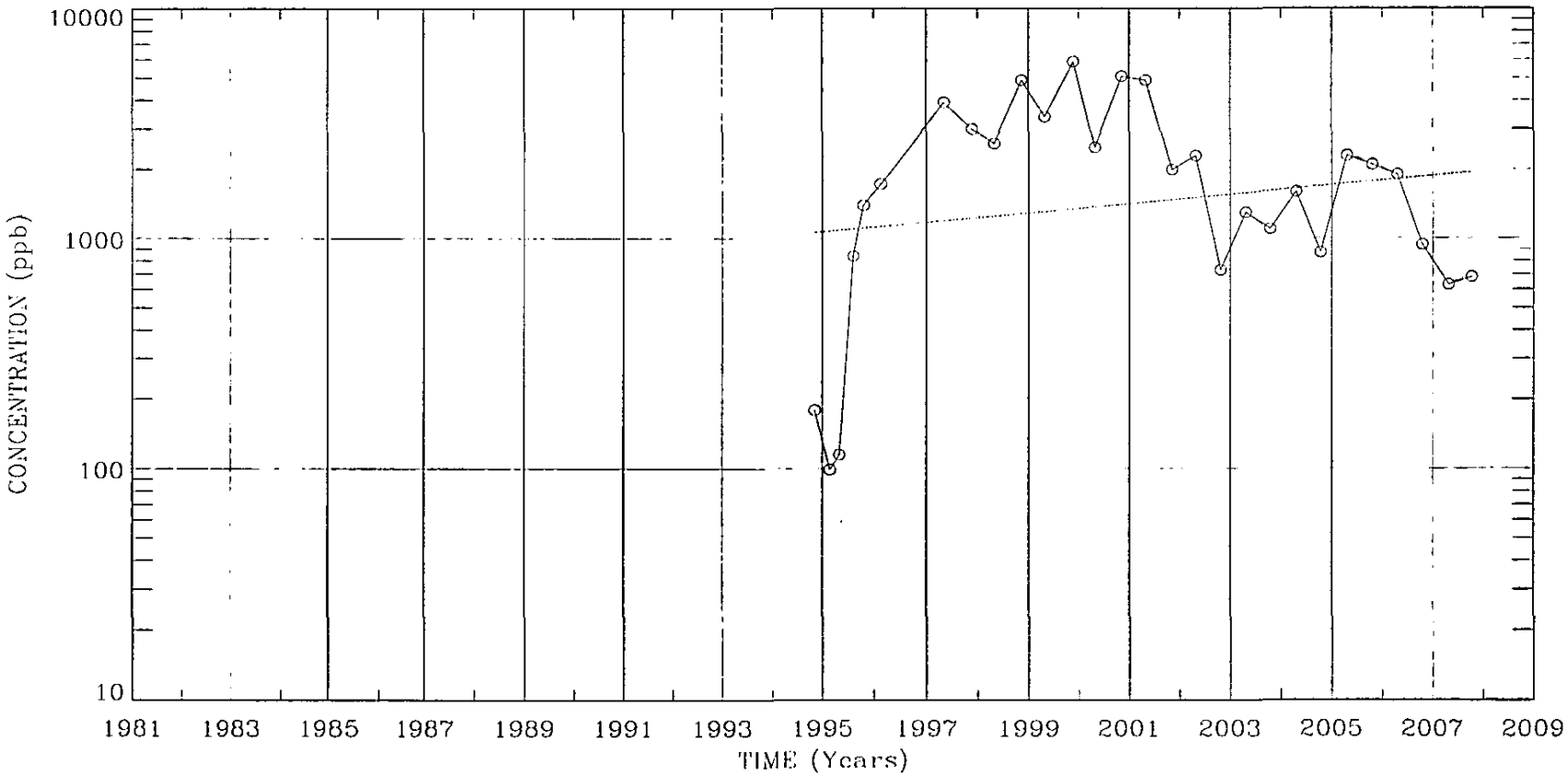

REGRESSION LINE EQUATION: $Y = 8.100E+007e^{0.1724x}$

Well R-4 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



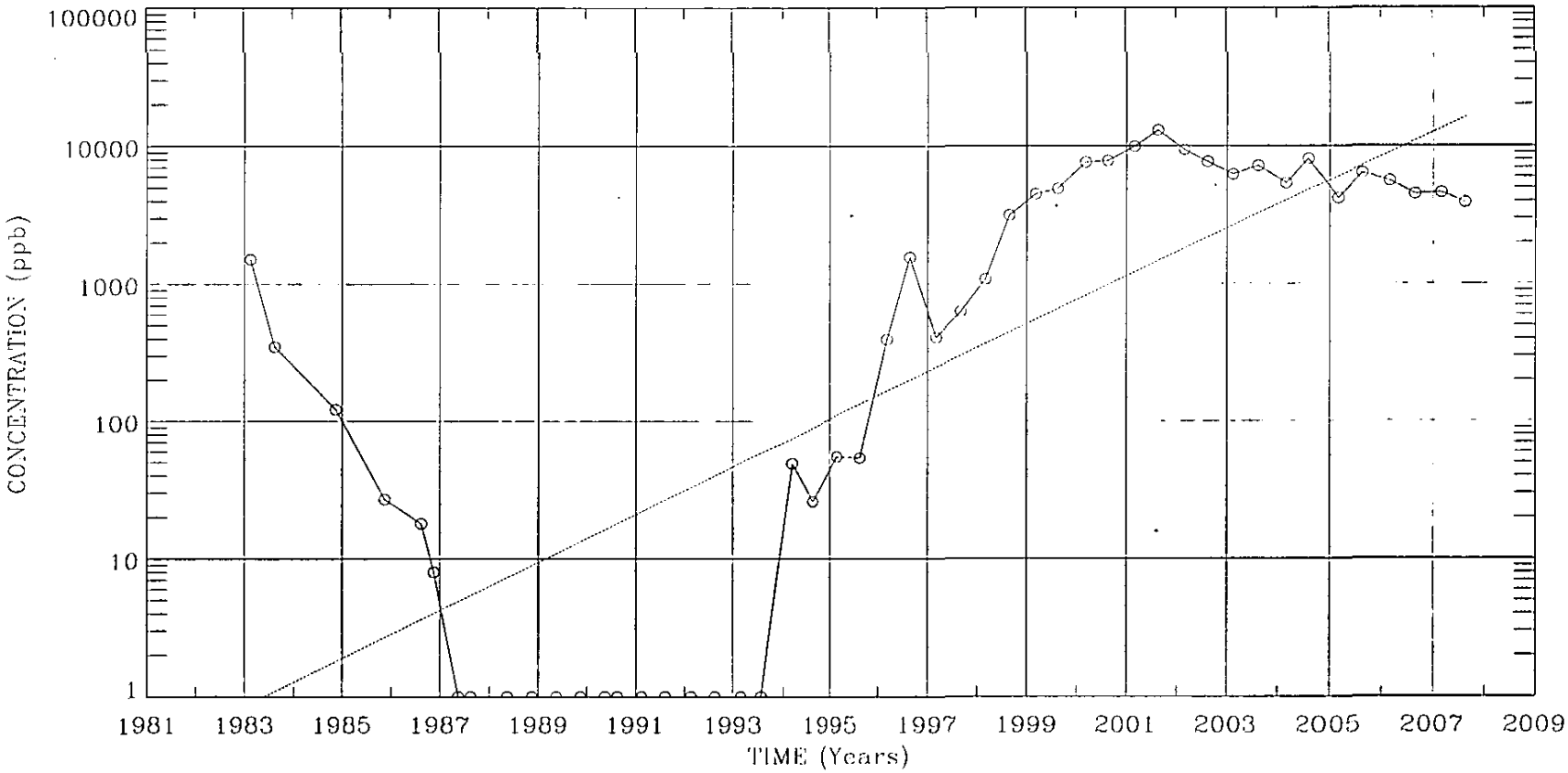

REGRESSION LINE EQUATION: $Y = 1.243E+012e^{-0.2682x}$

Well R-5 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



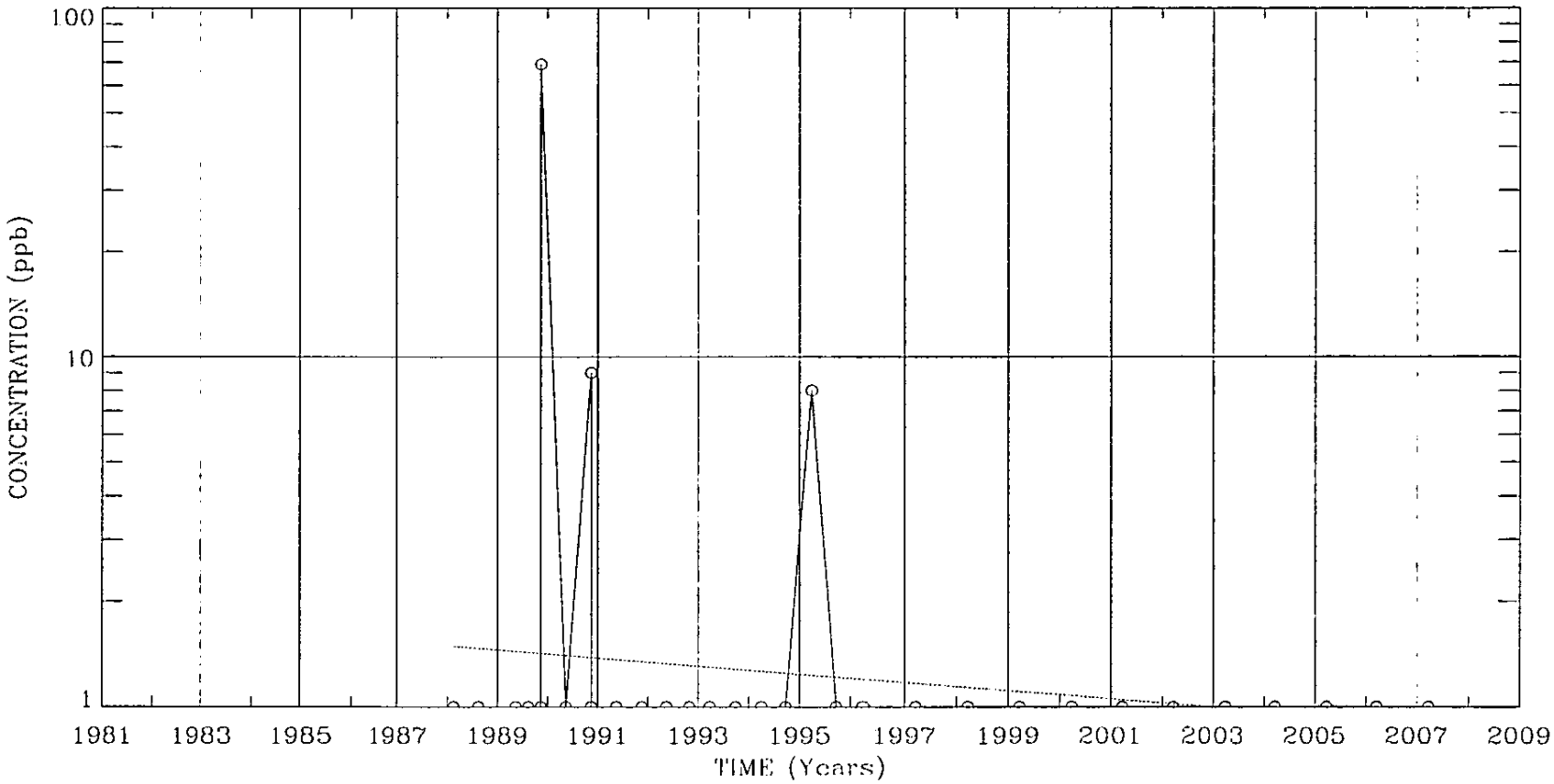

REGRESSION LINE EQUATION: $Y = 1.261E+001e^{0.0468x}$

Well SM-03 UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



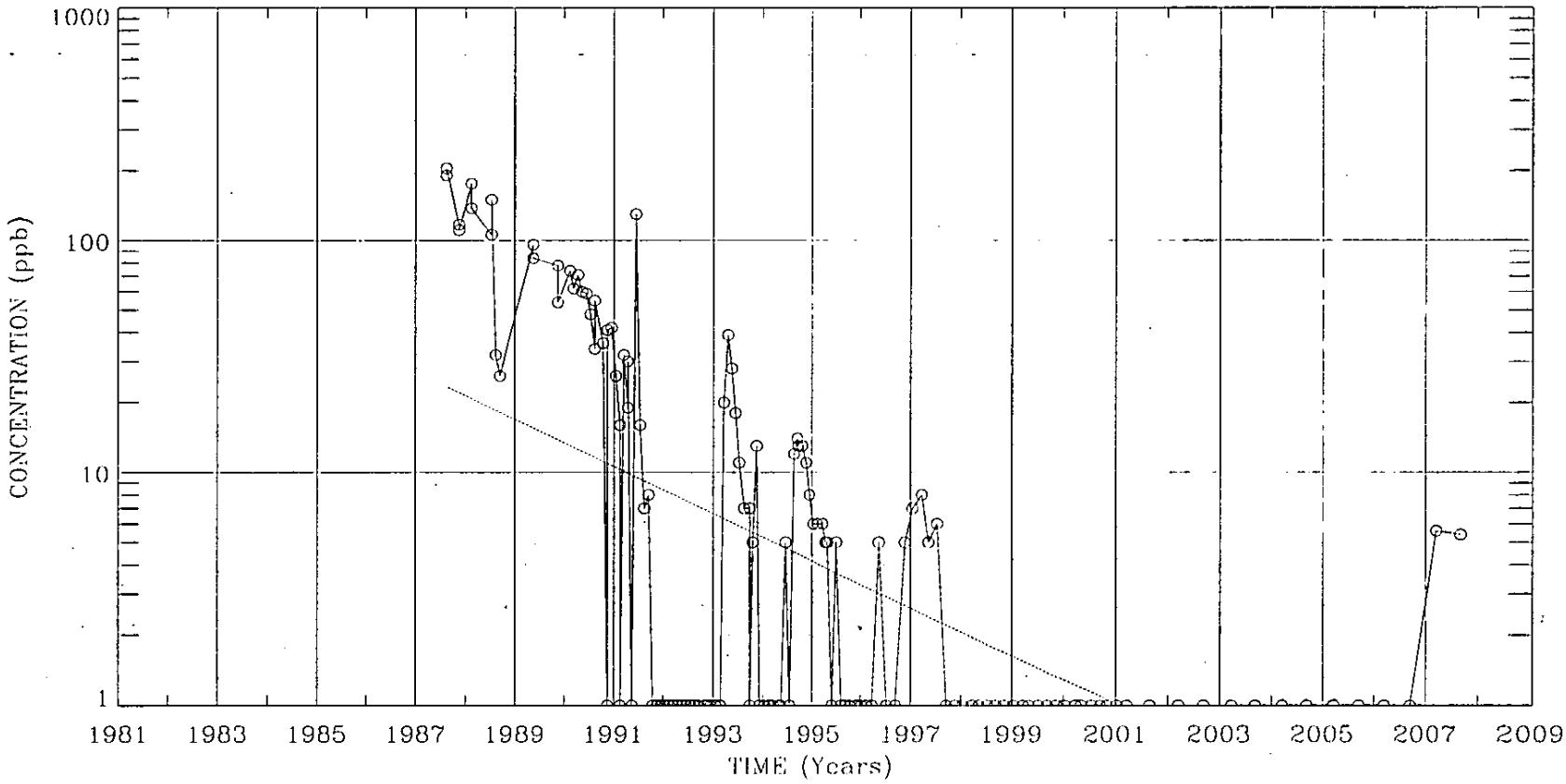

REGRESSION LINE EQUATION: $Y = 3.320E-015e^{0.3998x}$

Well a-DM-01 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



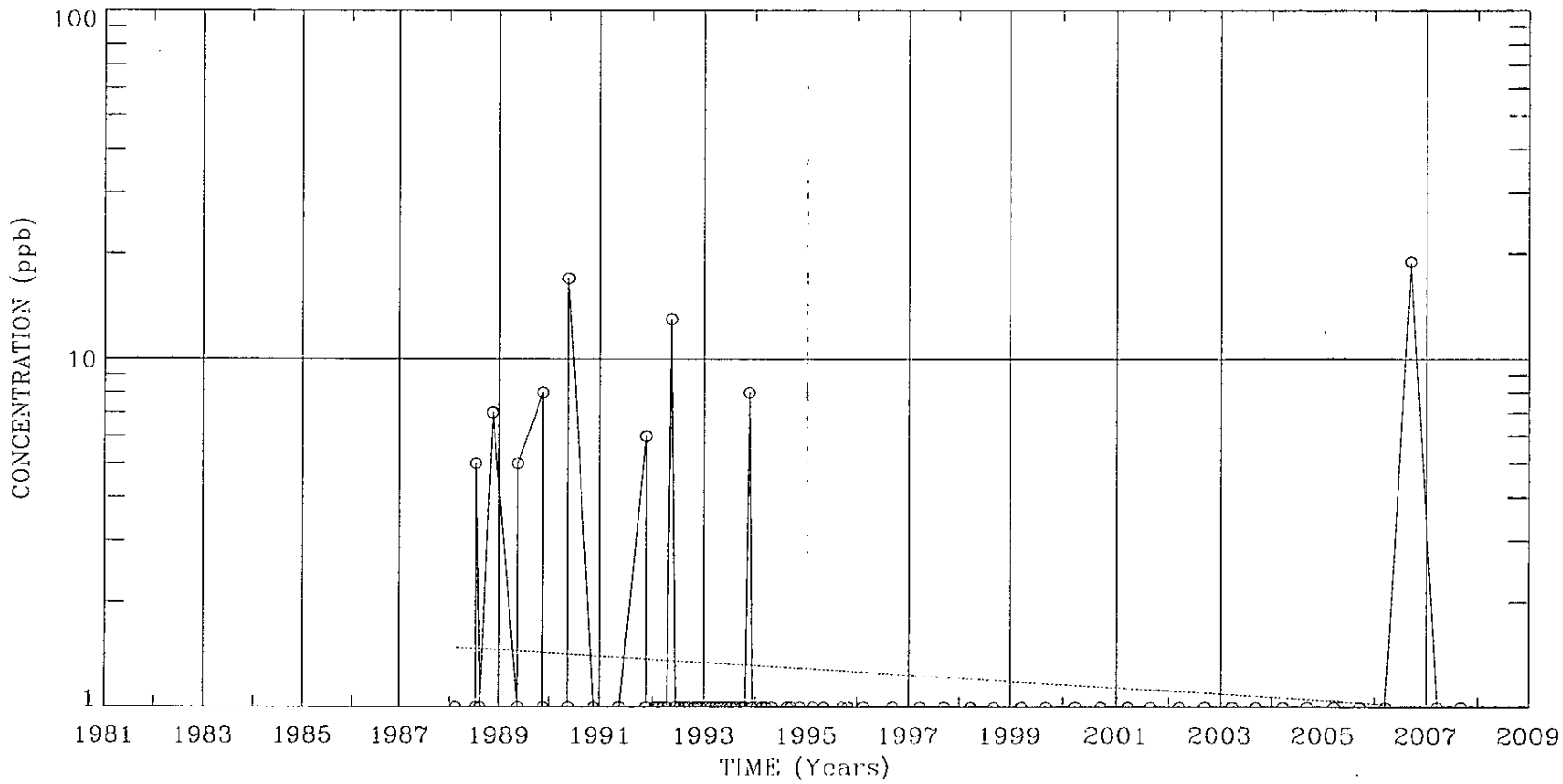

REGRESSION LINE EQUATION: $Y = 1.563E+001e^{0.0267x}$

Well a-DM-04 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



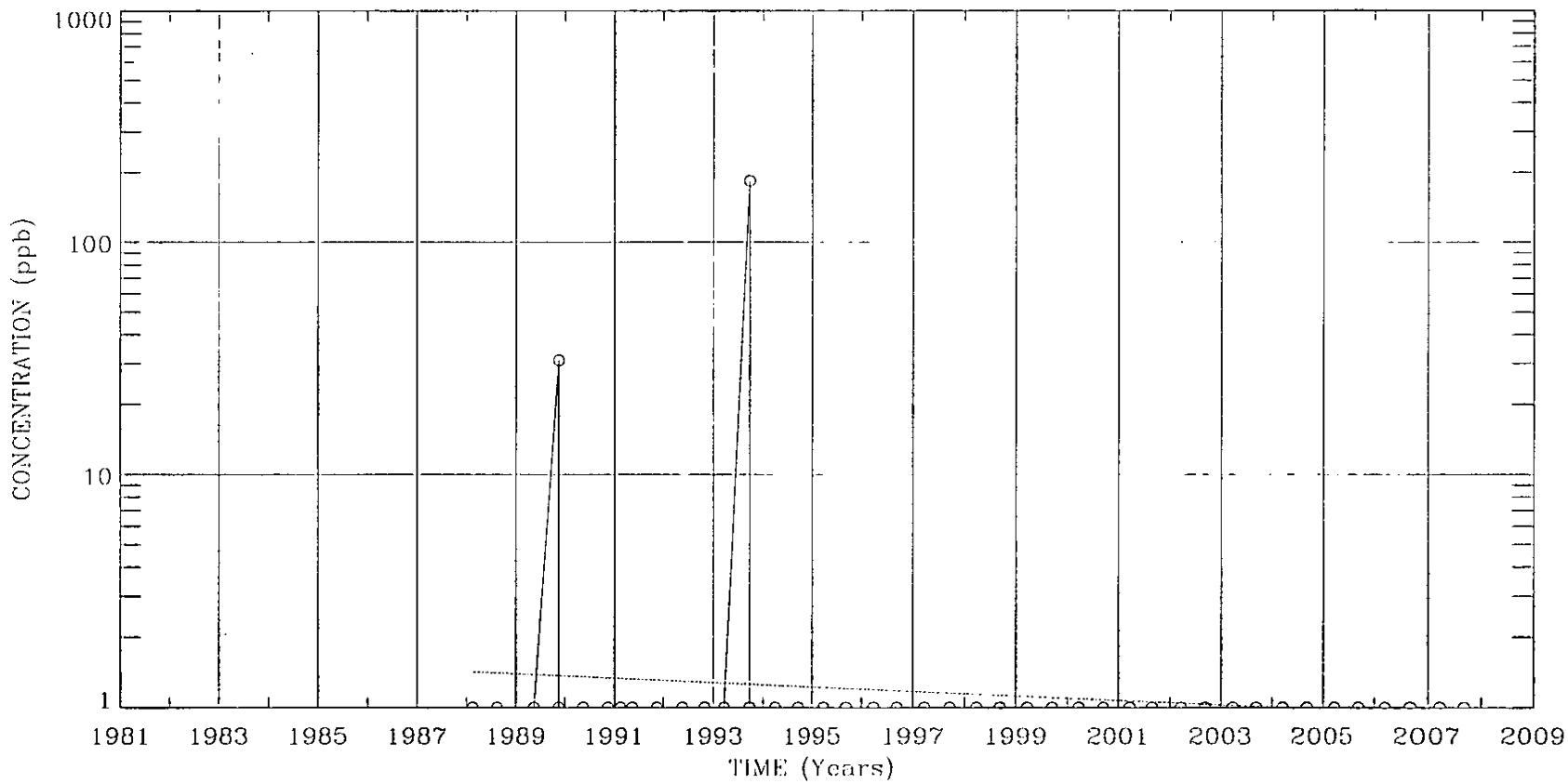

REGRESSION LINE EQUATION: $Y = 1.911E+010e^{0.2342x}$

Well a-DM-05 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



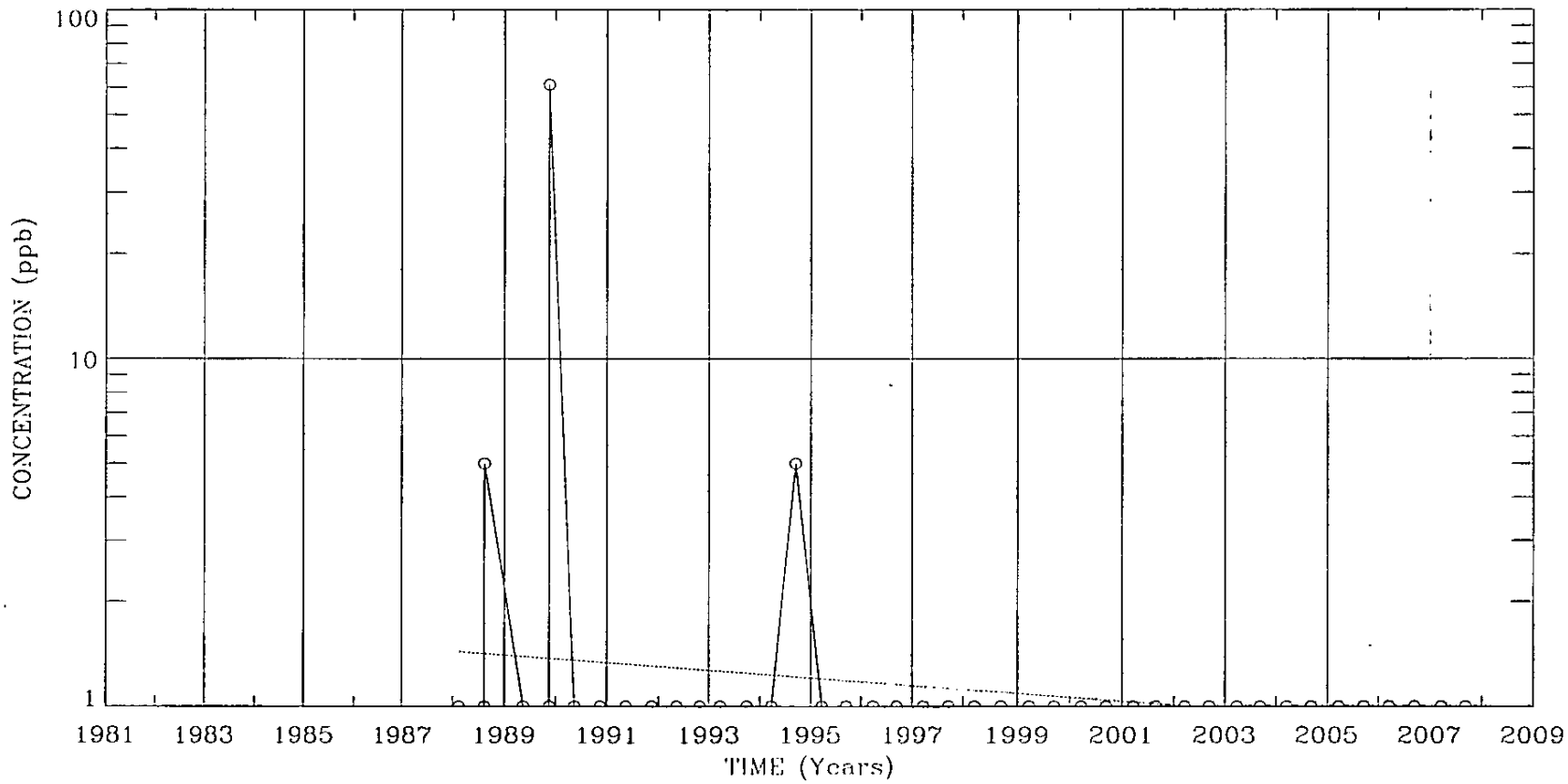

REGRESSION LINE EQUATION: $Y = 9.281E+000e^{0.0208x}$

Well a-DM-06 UNIT 6
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



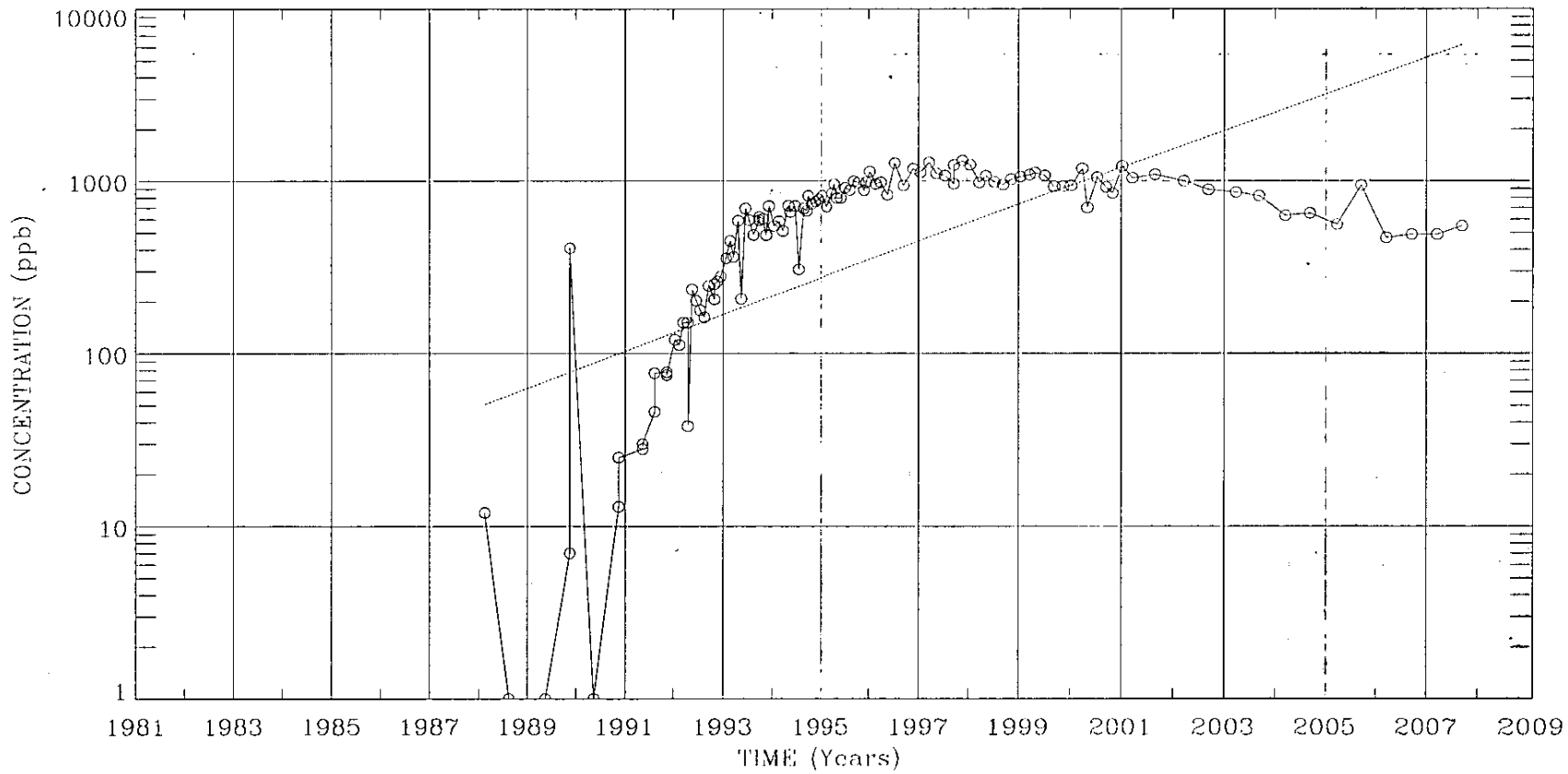

REGRESSION LINE EQUATION: $Y = 9.898E+000e^{0.0220x}$

Well a-SM-01 UNIT 3
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



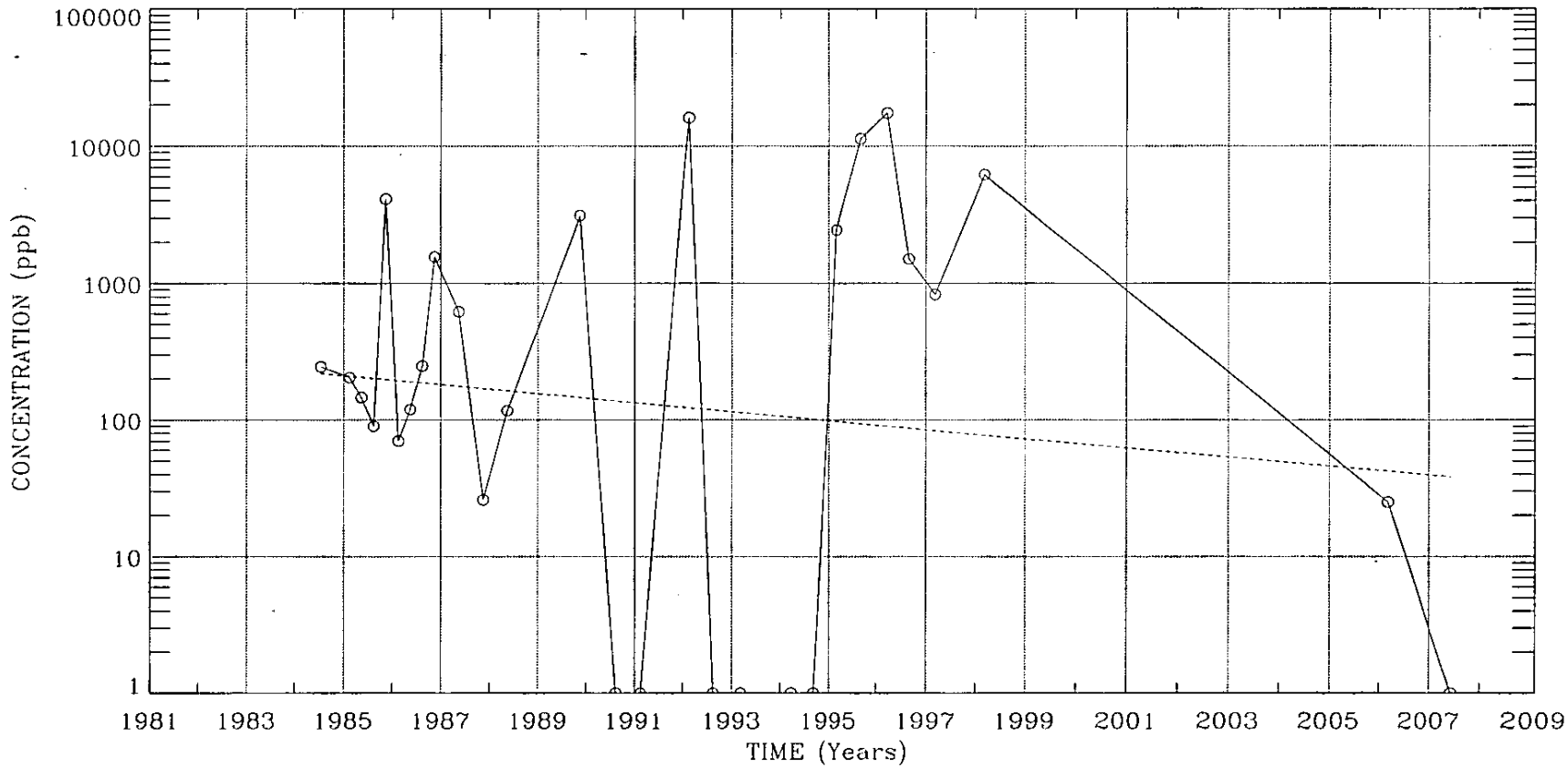

REGRESSION LINE EQUATION: $Y = 1.351E+001e^{0.0254x}$

Well a-SM-09 UNIT 4
TOTAL VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



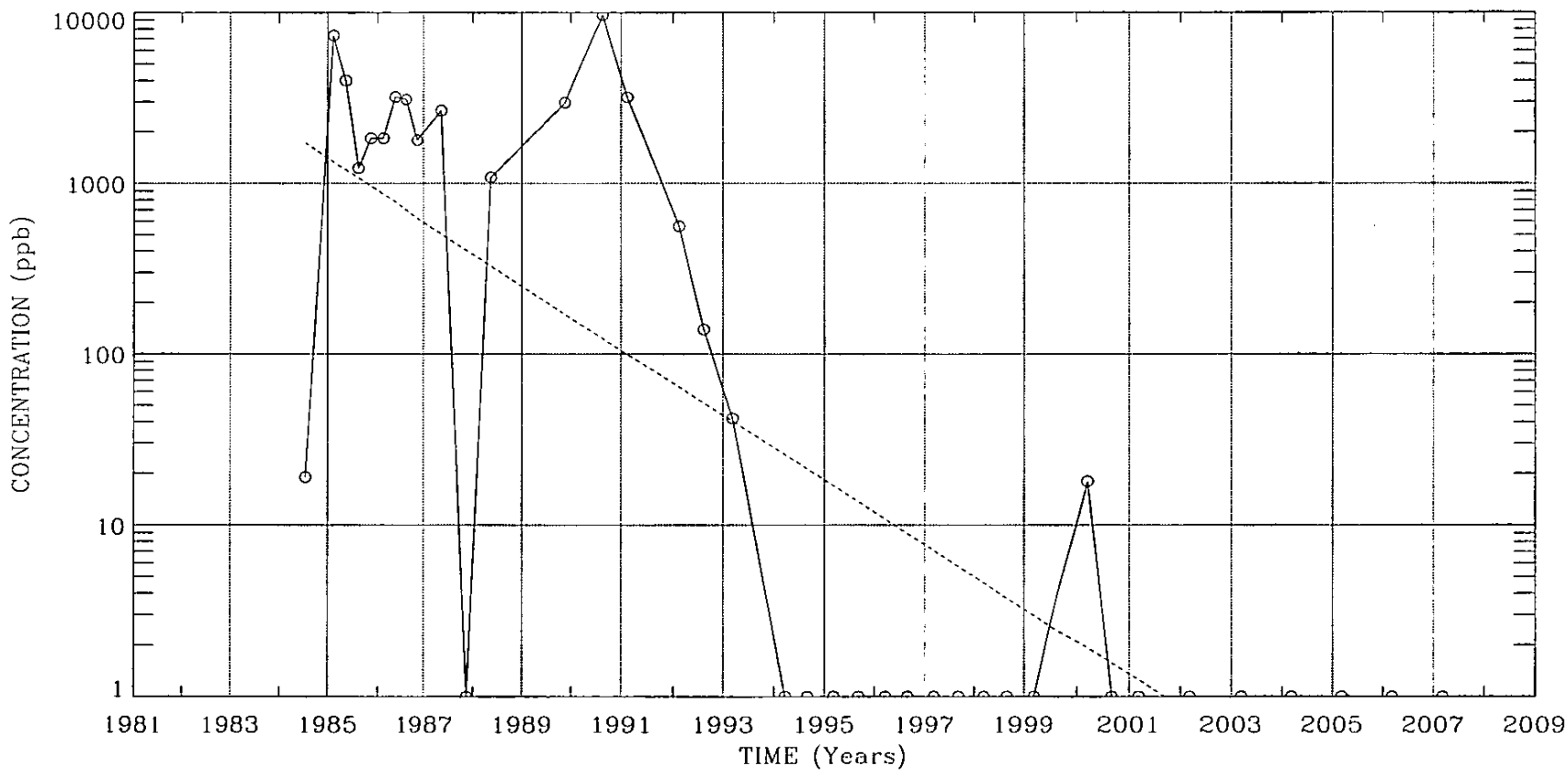

REGRESSION LINE EQUATION: $Y = 2.039E-008e^{0.2455x}$

Well 04A UNIT 3
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



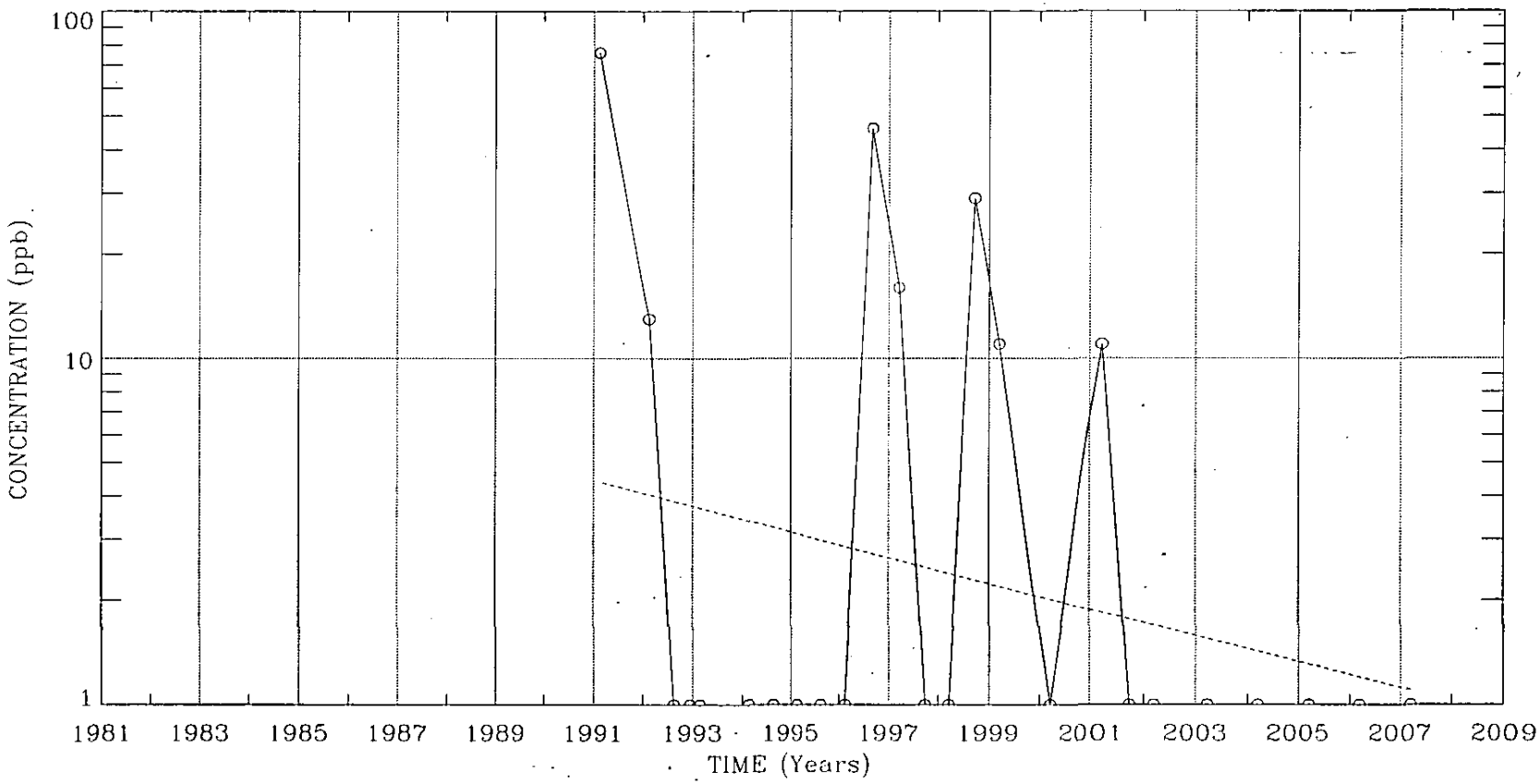

REGRESSION LINE EQUATION: $Y = 1.339E+005e^{-0.0759x}$

Well 04B UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



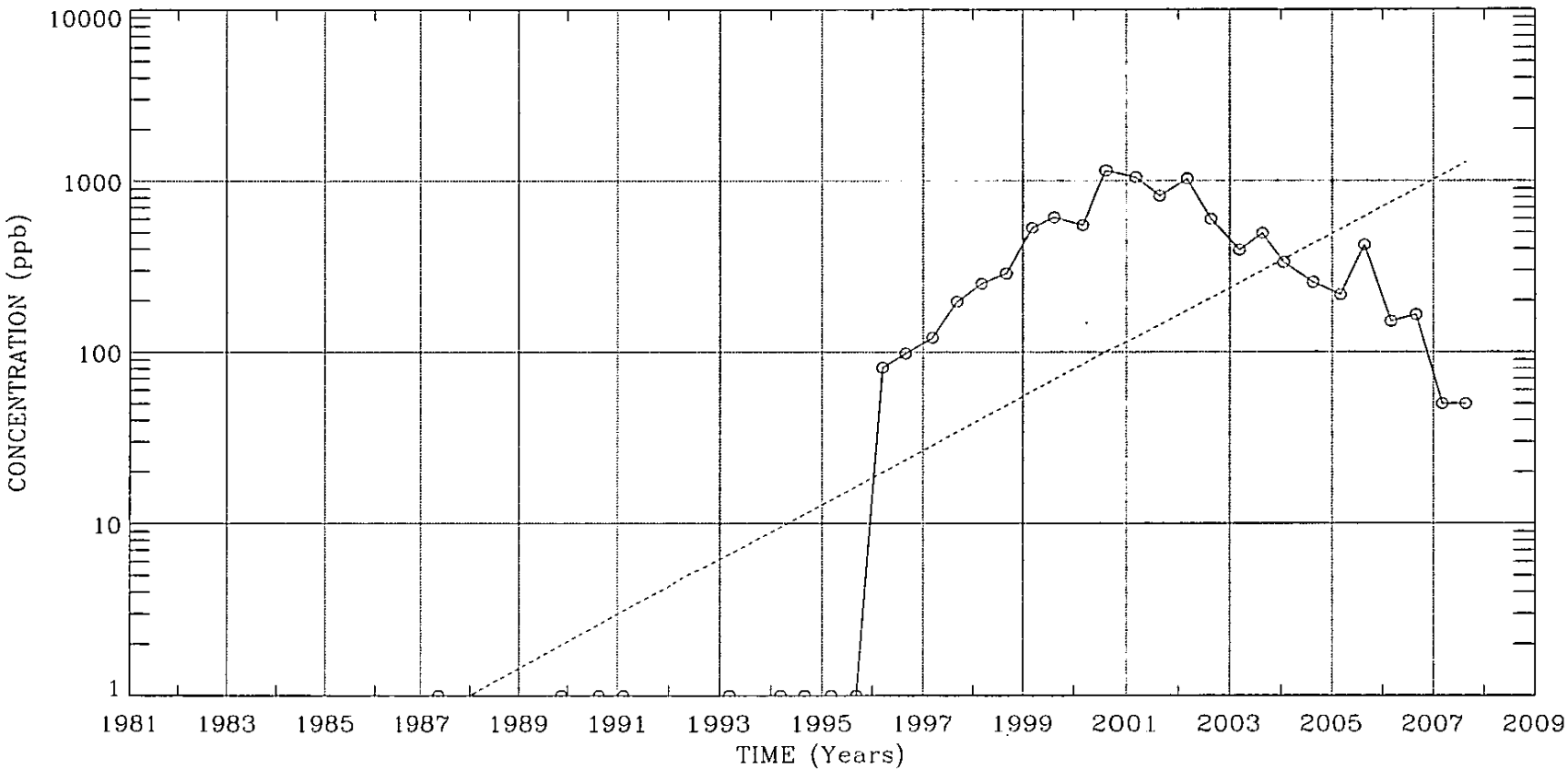

REGRESSION LINE EQUATION: $Y = 1.520E+019e^{-0.4343x}$

Well 04B-1 UNIT 4
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



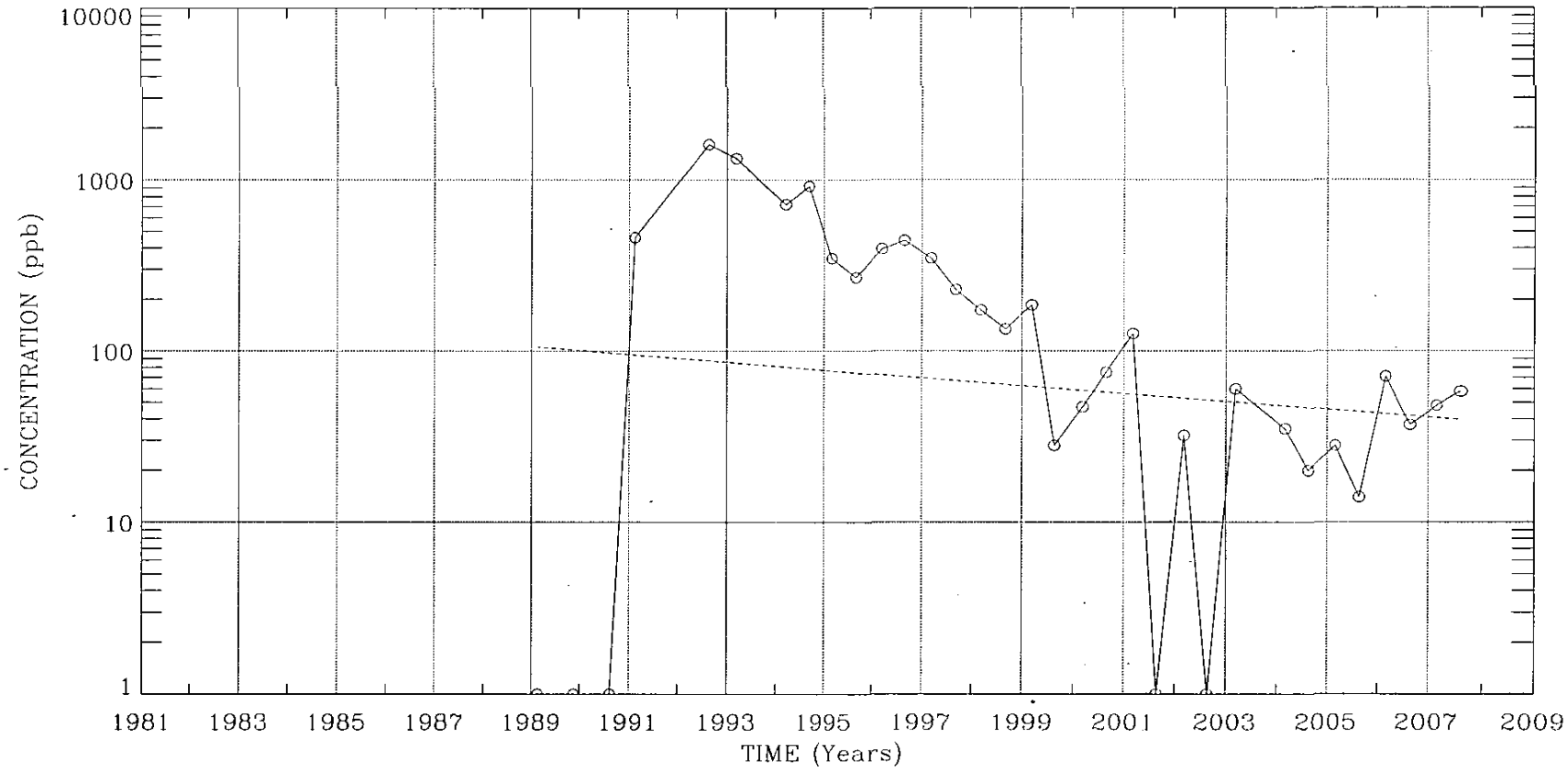

REGRESSION LINE EQUATION: $Y = 1.120E+004e^{-0.0861x}$

Well 05B UNIT 4
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



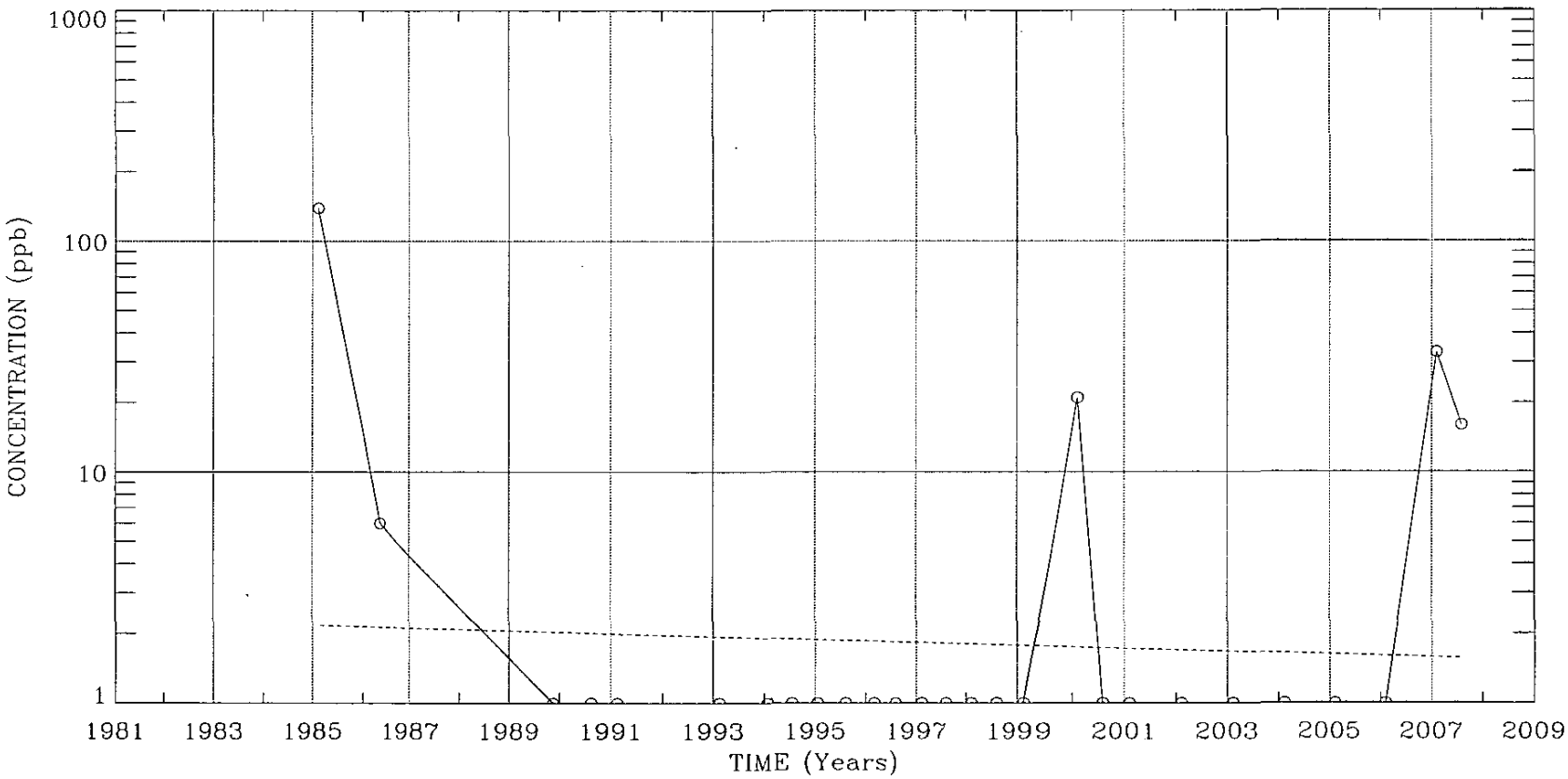

REGRESSION LINE EQUATION: $Y = 1.168E-014e^{0.3645x}$

Well 05B-2 UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



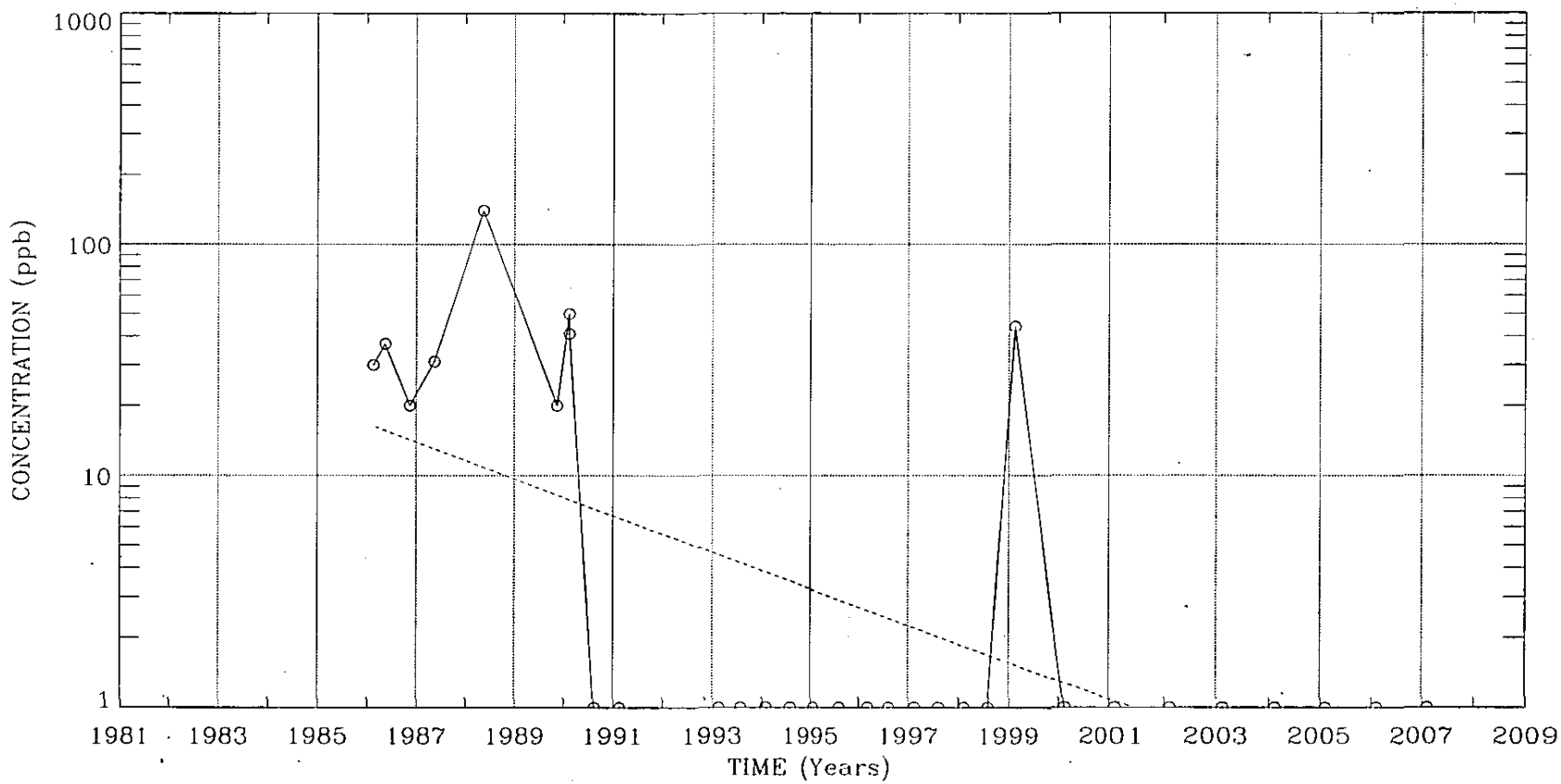

REGRESSION LINE EQUATION: $Y = 1.156E+004e^{-0.0527x}$

Well 06A UNIT 3
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



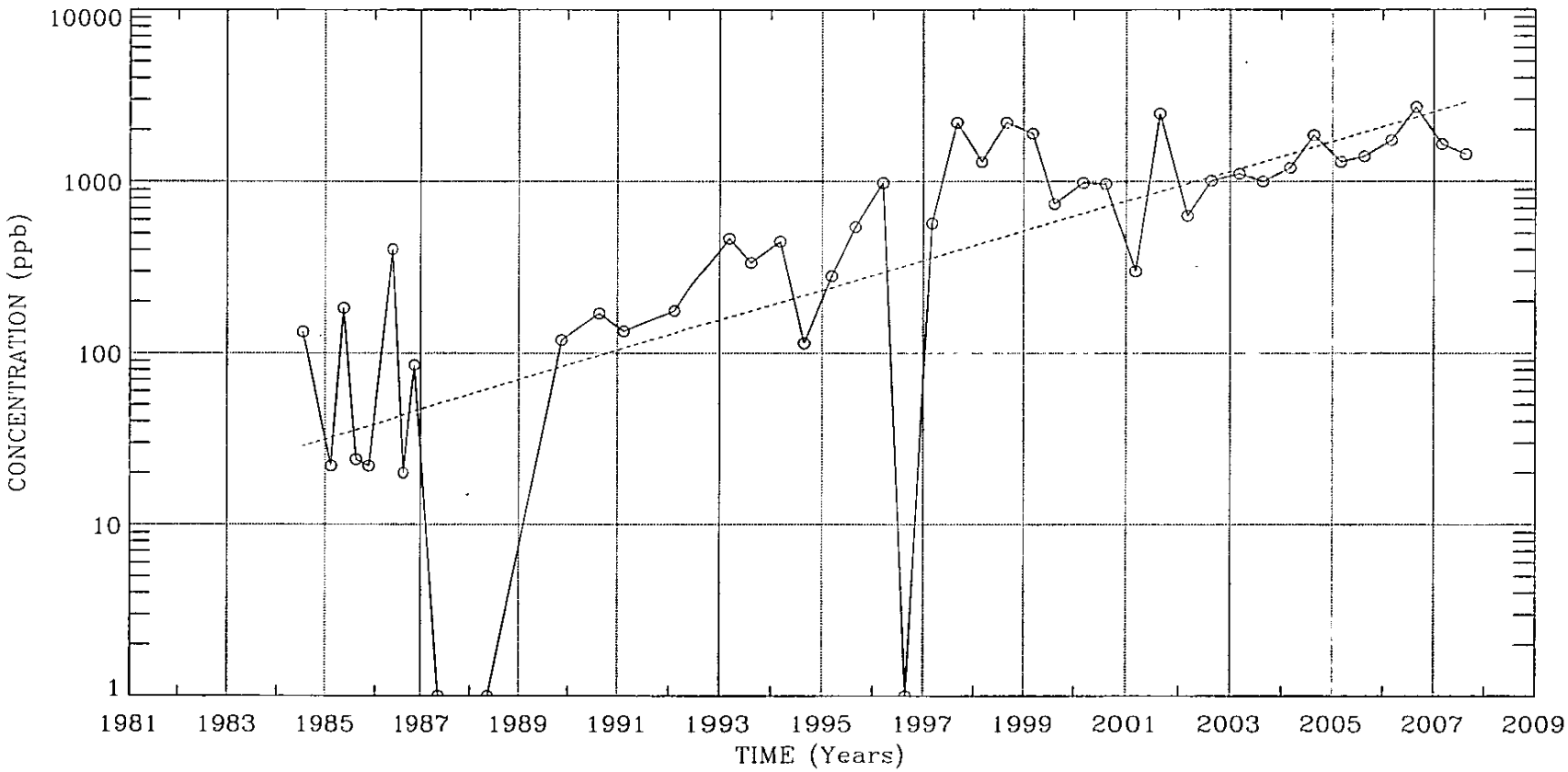

REGRESSION LINE EQUATION: $Y = 7.501E+000e^{-0.0146x}$

Well 06B UNIT 4
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



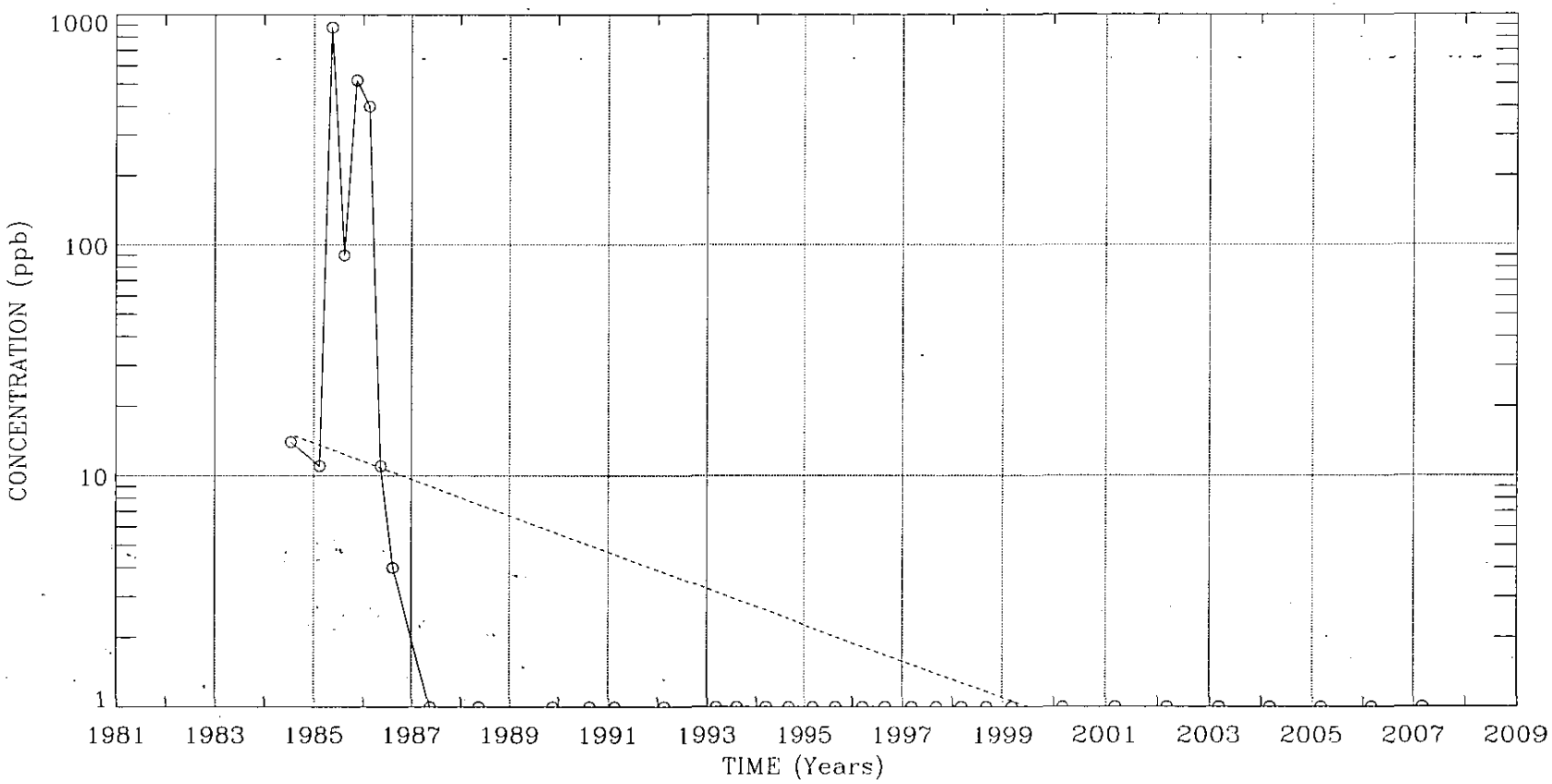

REGRESSION LINE EQUATION: $Y = 1.080E+008e^{-0.1823x}$

Well 07B UNIT 4
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



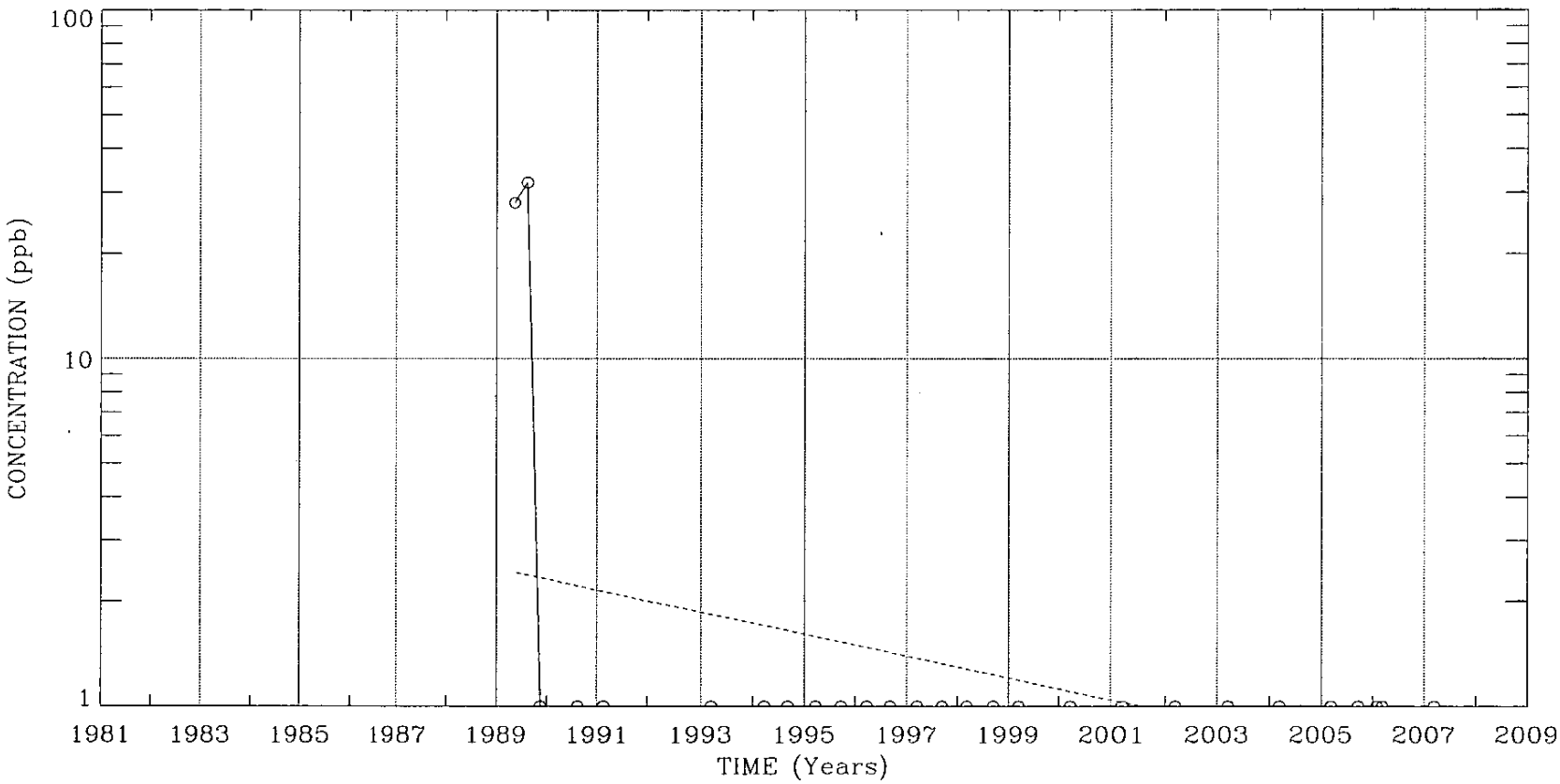

REGRESSION LINE EQUATION: $Y = 1.355E-006e^{0.1996x}$

Well 08B UNIT 4
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



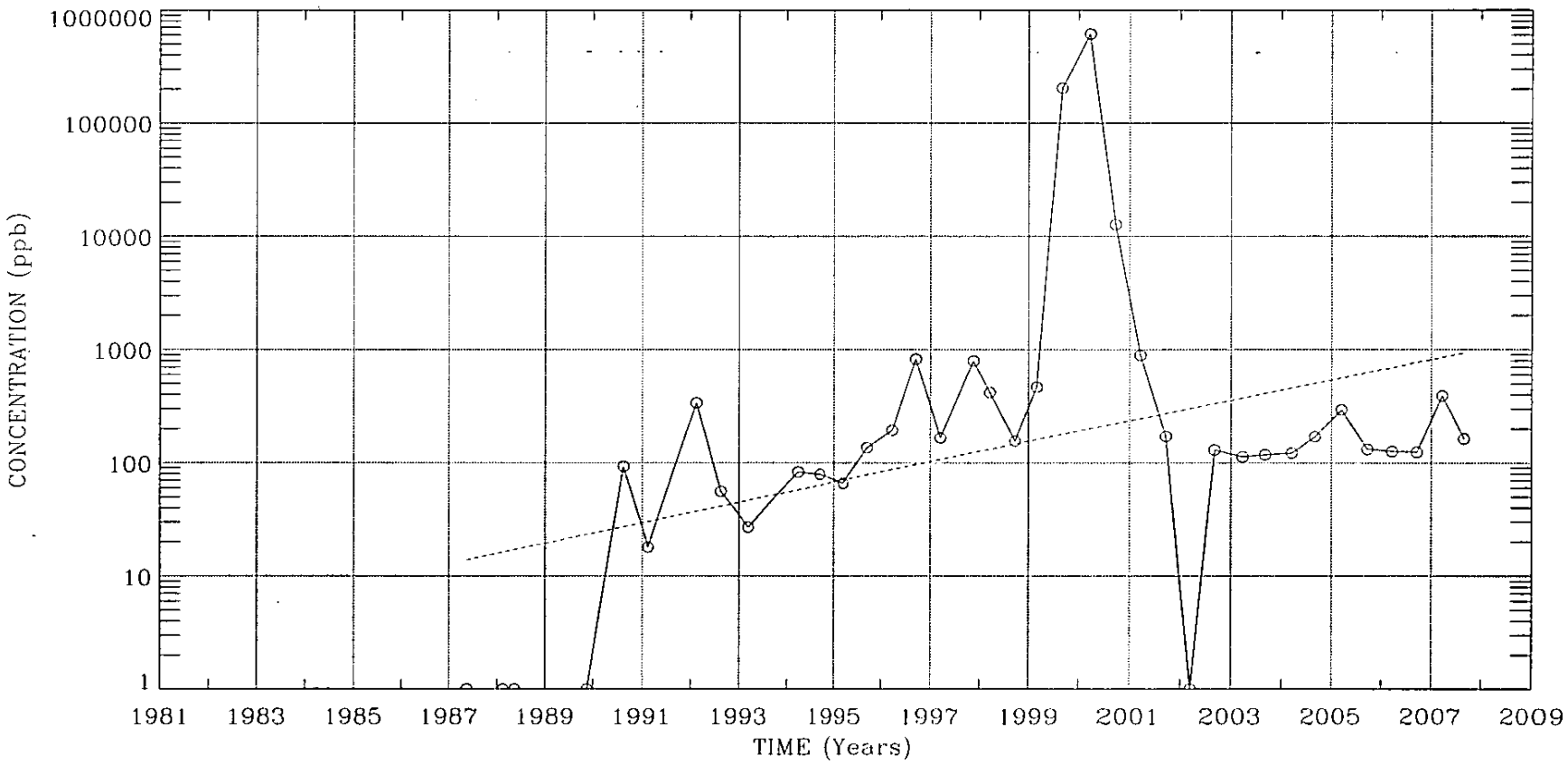

REGRESSION LINE EQUATION: $Y = 6.708E+007e^{-0.1811x}$

Well 09A UNIT 4
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



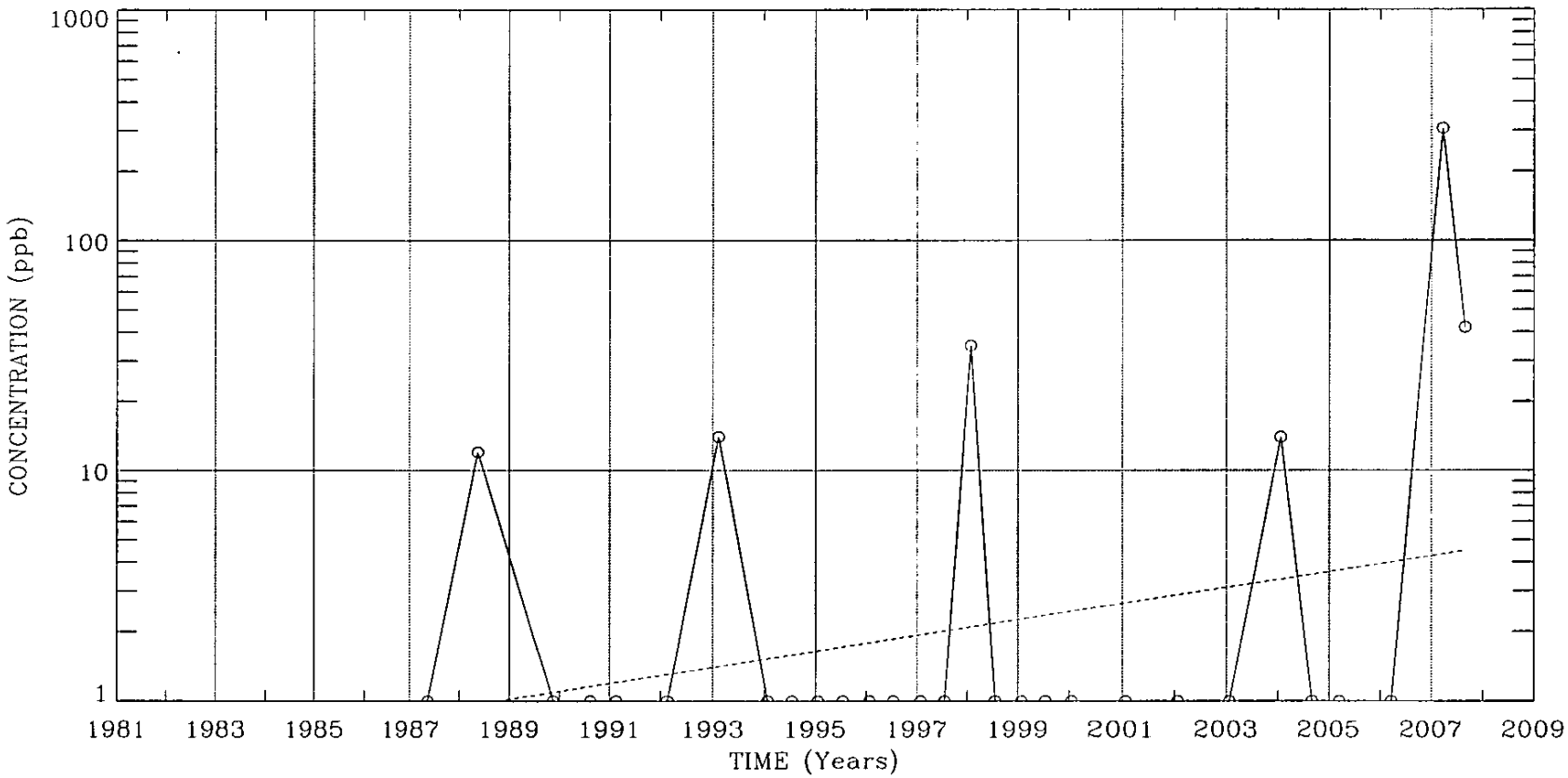

REGRESSION LINE EQUATION: $Y = 1.582E+003e^{-0.0725x}$

Well 10A UNIT 3
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



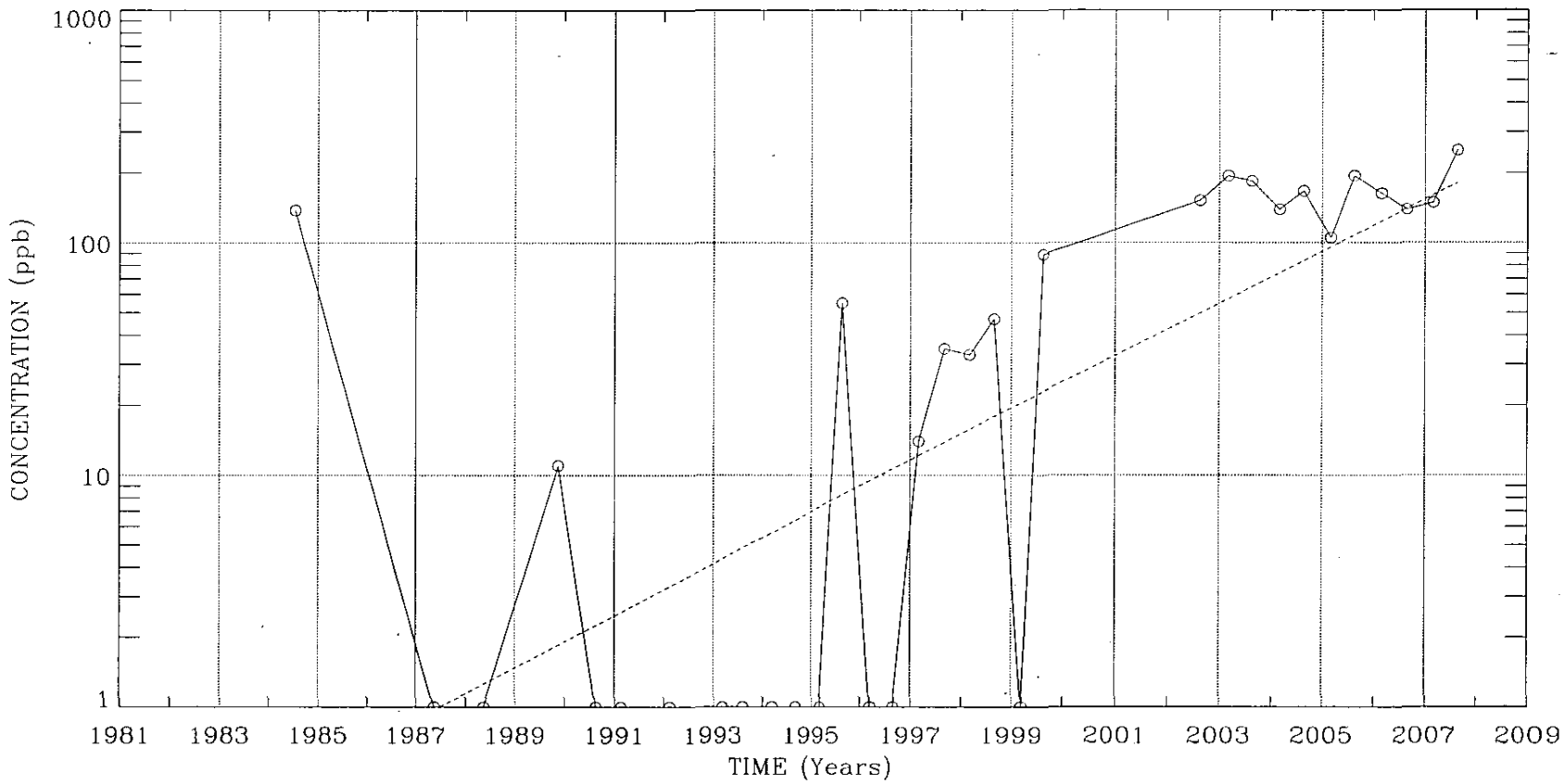

REGRESSION LINE EQUATION: $Y = 1.872E-007e^{0.2074x}$

Well 10B UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



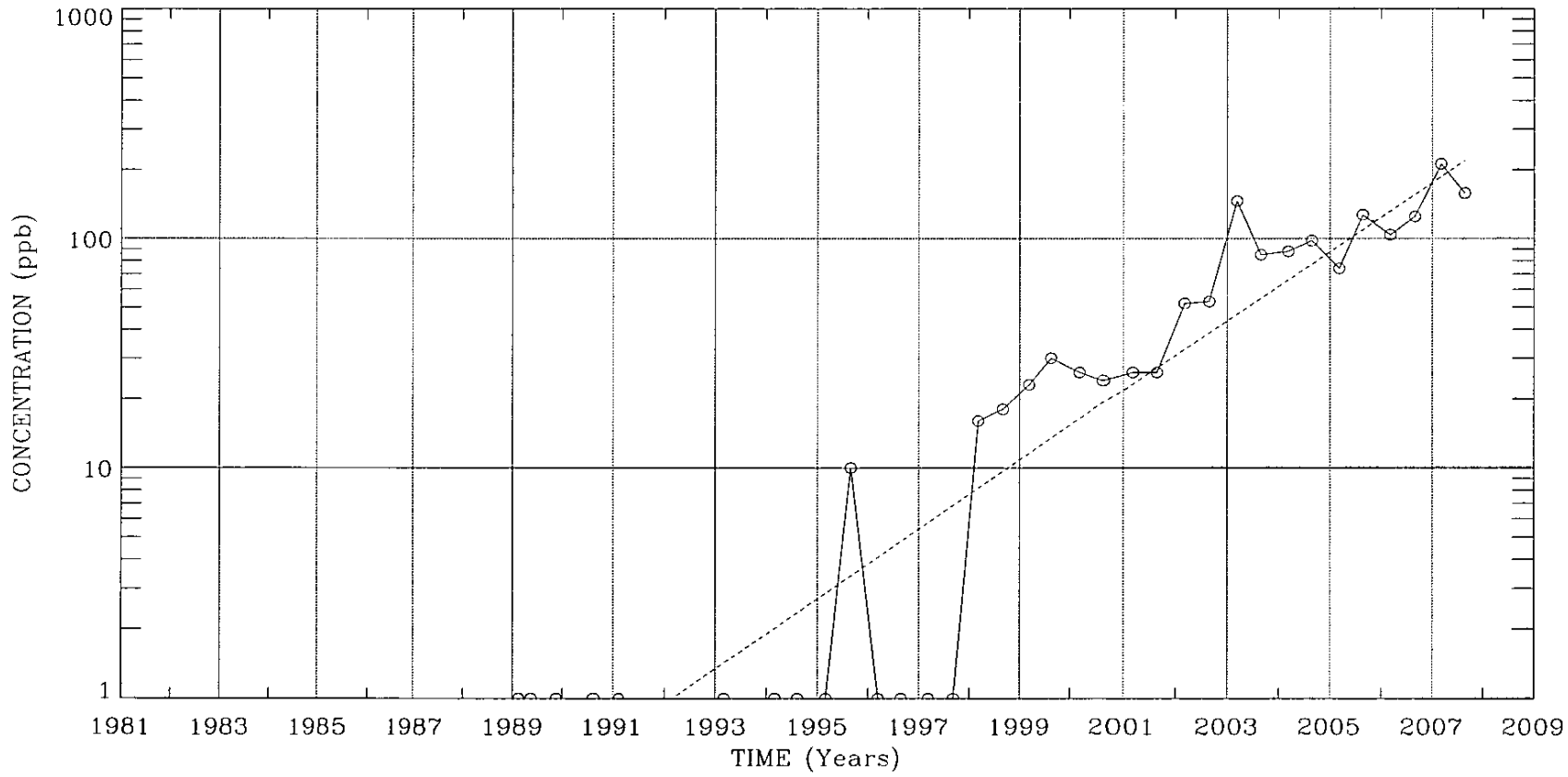

REGRESSION LINE EQUATION: $Y = 8.622E-004e^{0.0795x}$

Well 12A UNIT 3
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



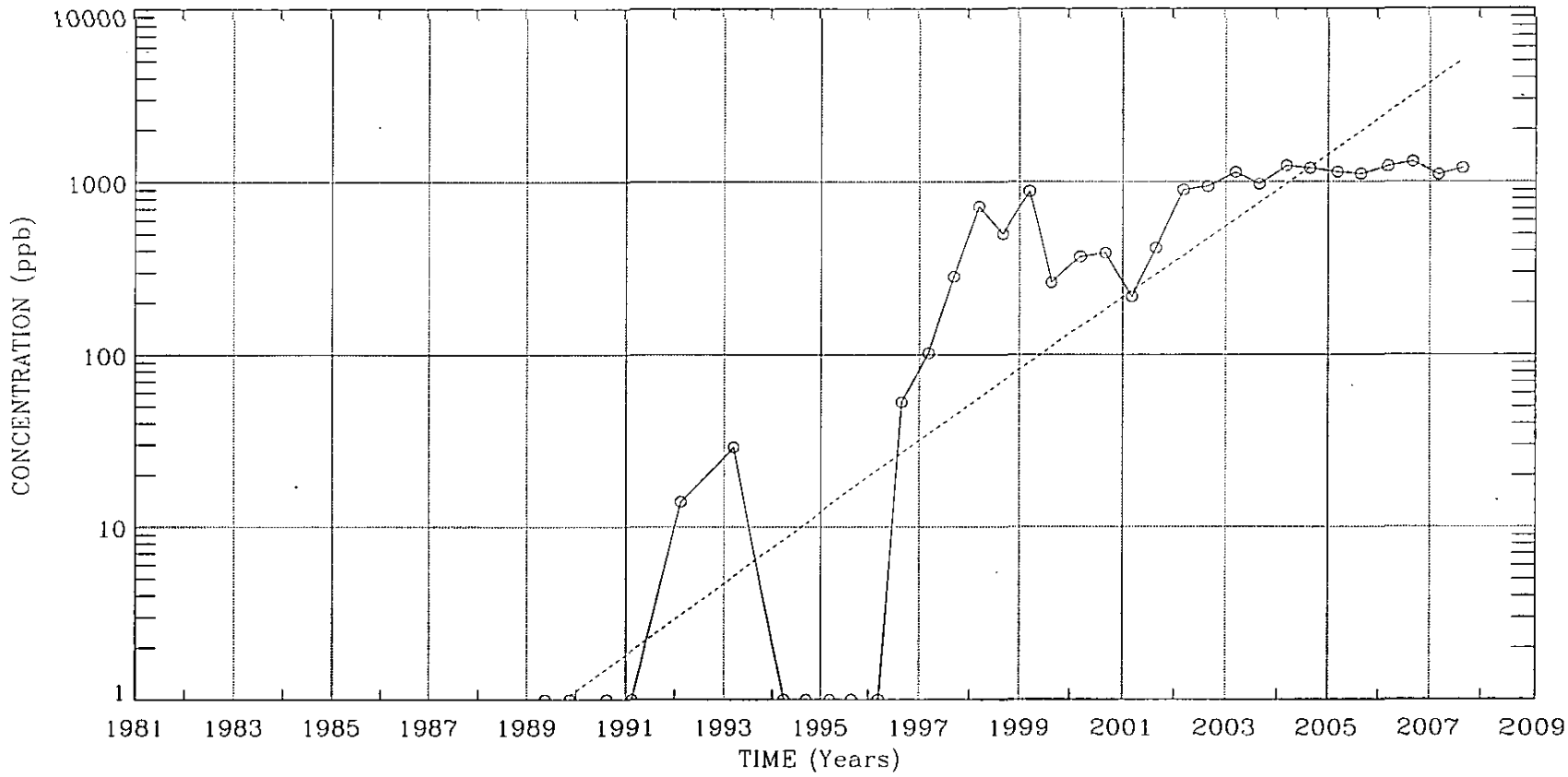

REGRESSION LINE EQUATION: $Y = 1.567E-010e^{0.2581x}$

Well 13AR UNIT 3
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



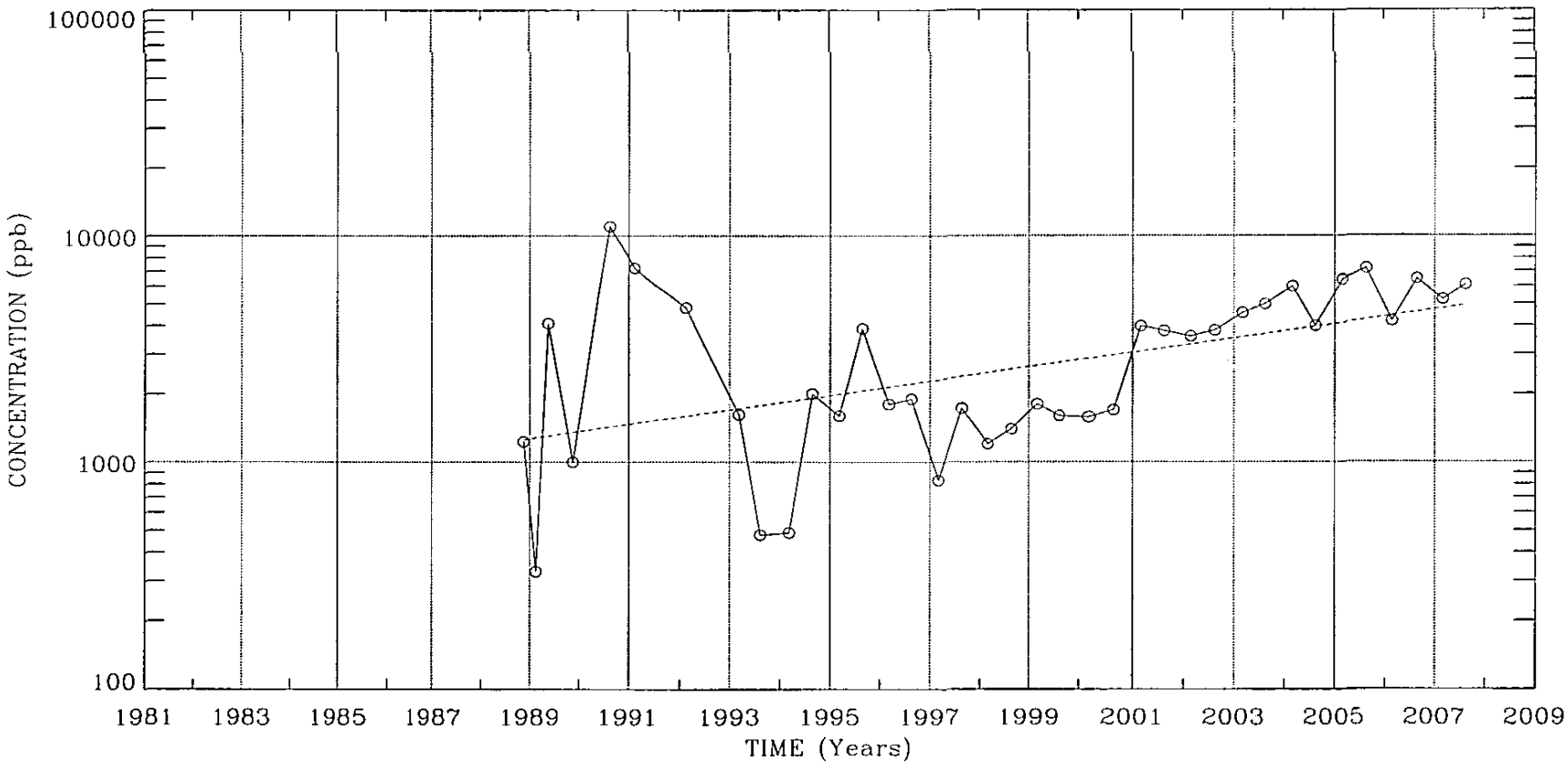

REGRESSION LINE EQUATION: $Y = 1.172E-014e^{0.3481x}$

Well 13B-1 UNIT 4
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



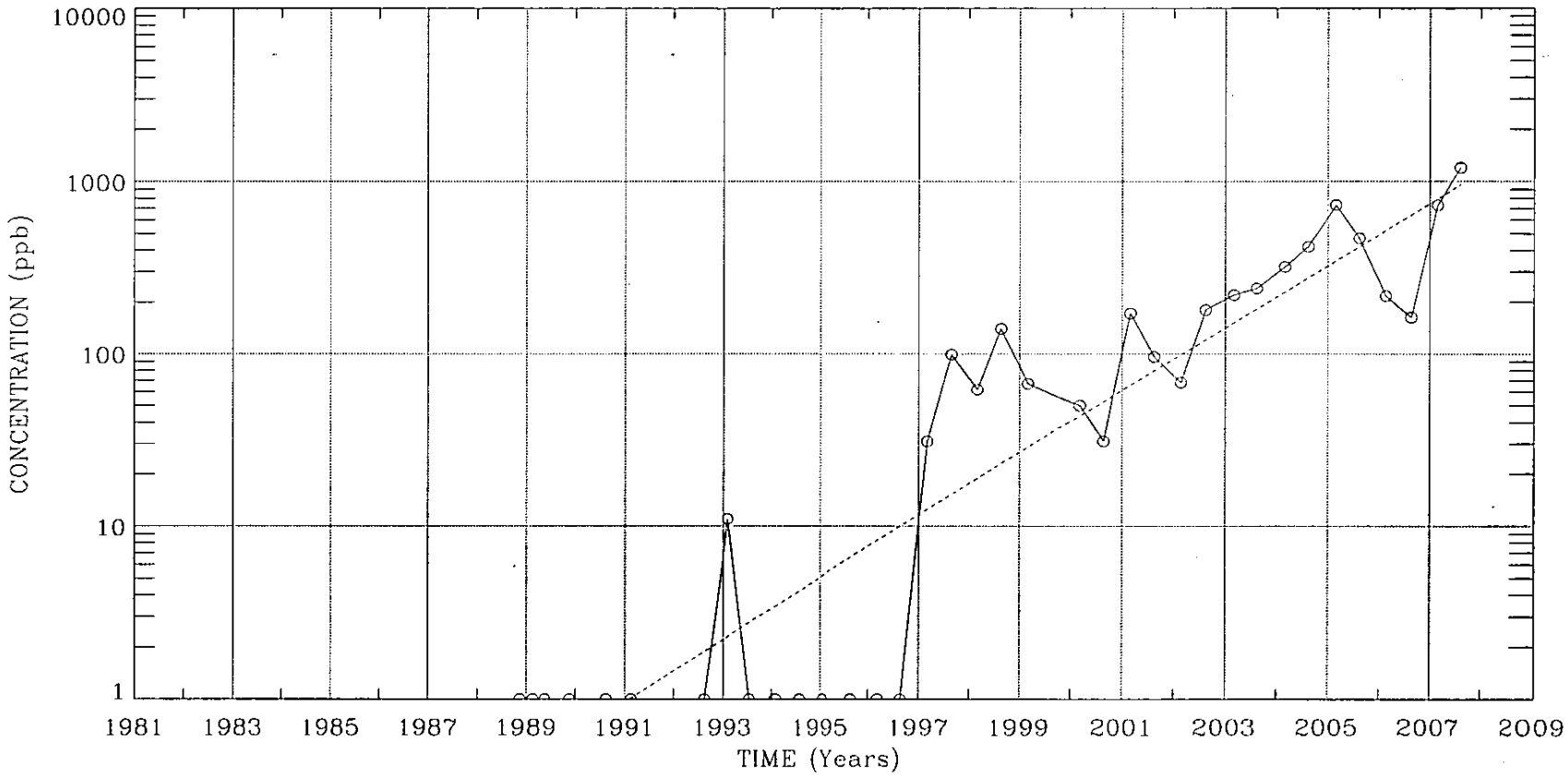

REGRESSION LINE EQUATION: $Y = 2.541E-019e^{0.4770x}$

Well 21A UNIT 4
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



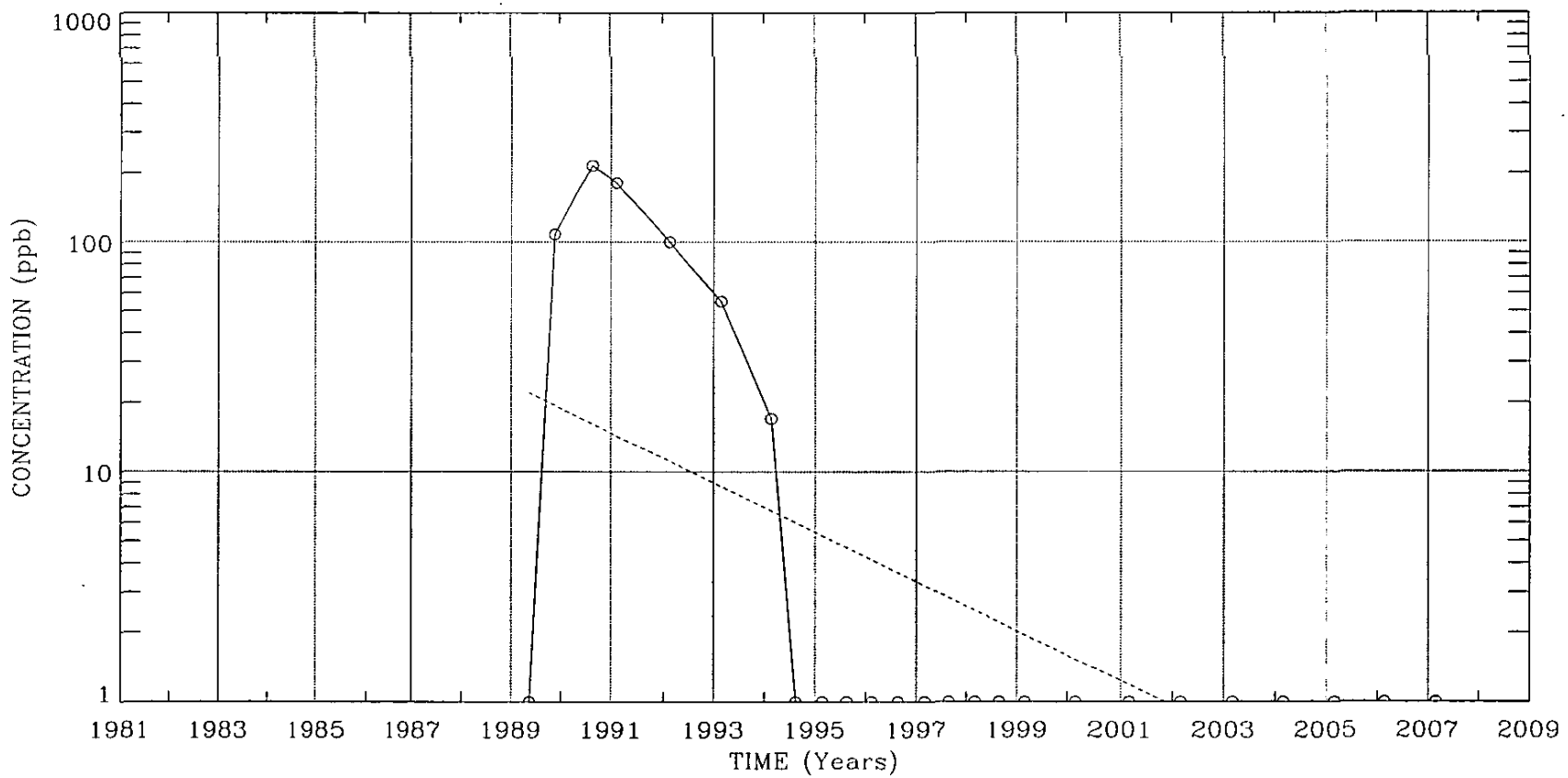

REGRESSION LINE EQUATION: $Y = 1.926E+000e^{0.0729x}$

Well 21B-1 UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



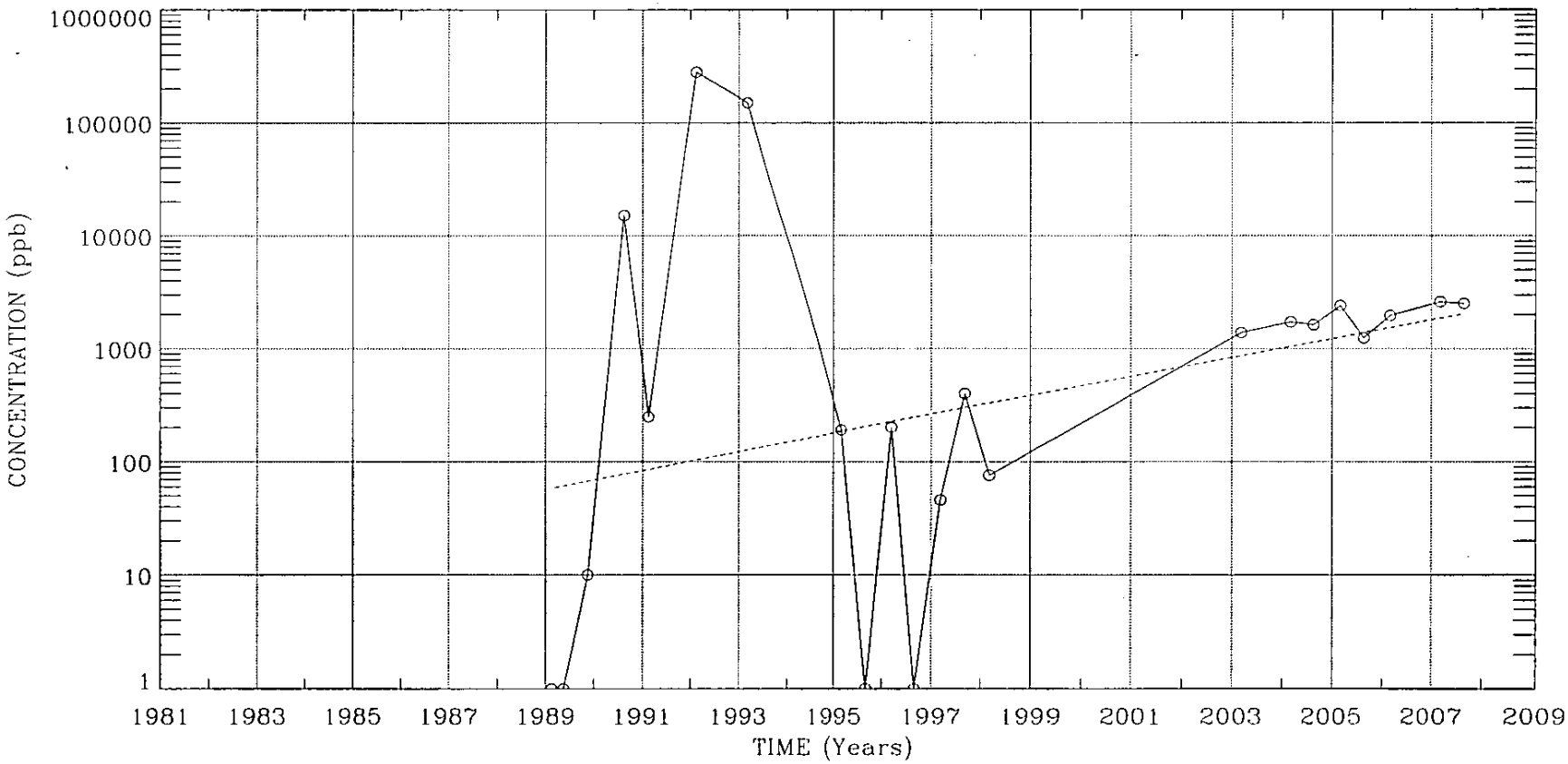

REGRESSION LINE EQUATION: $Y = 3.636E-017e^{0.4155x}$

Well 23B-1 UNIT 4
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



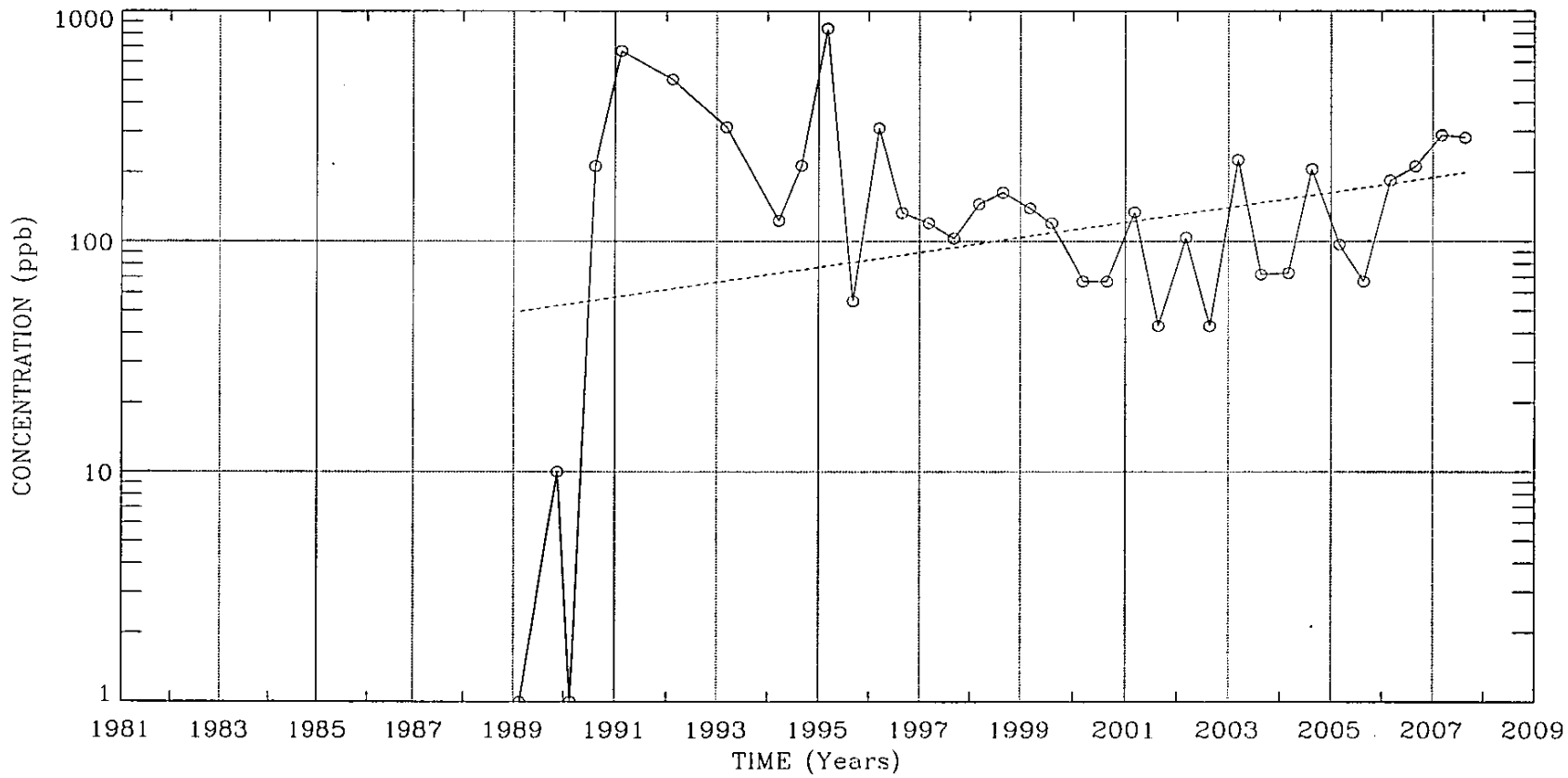

REGRESSION LINE EQUATION: $Y = 8.873E+010e^{-0.2475x}$

Well 24A UNIT 3
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



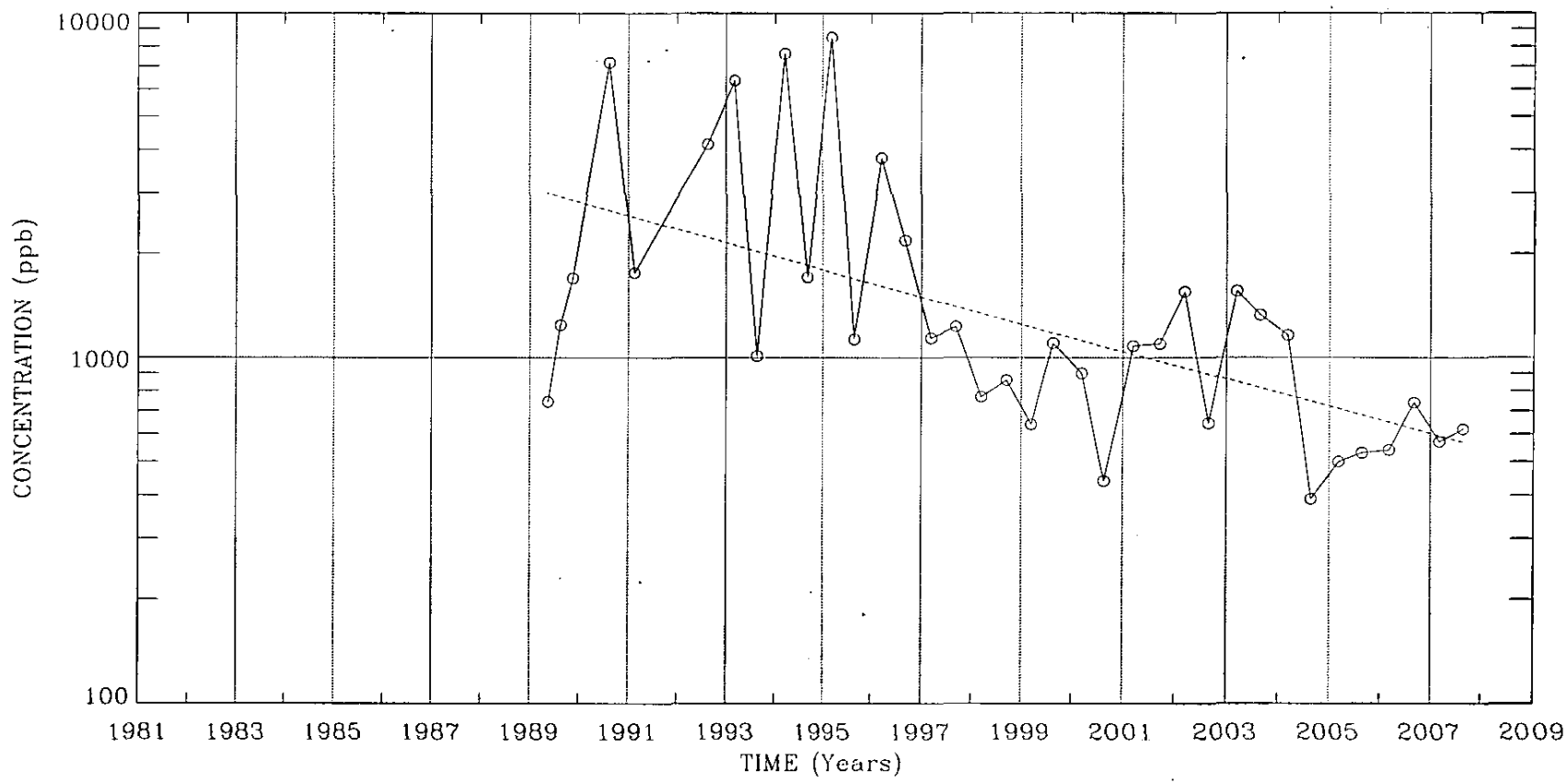

REGRESSION LINE EQUATION: $Y = 2.169E-006e^{0.1919x}$

Well 24B-2 UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



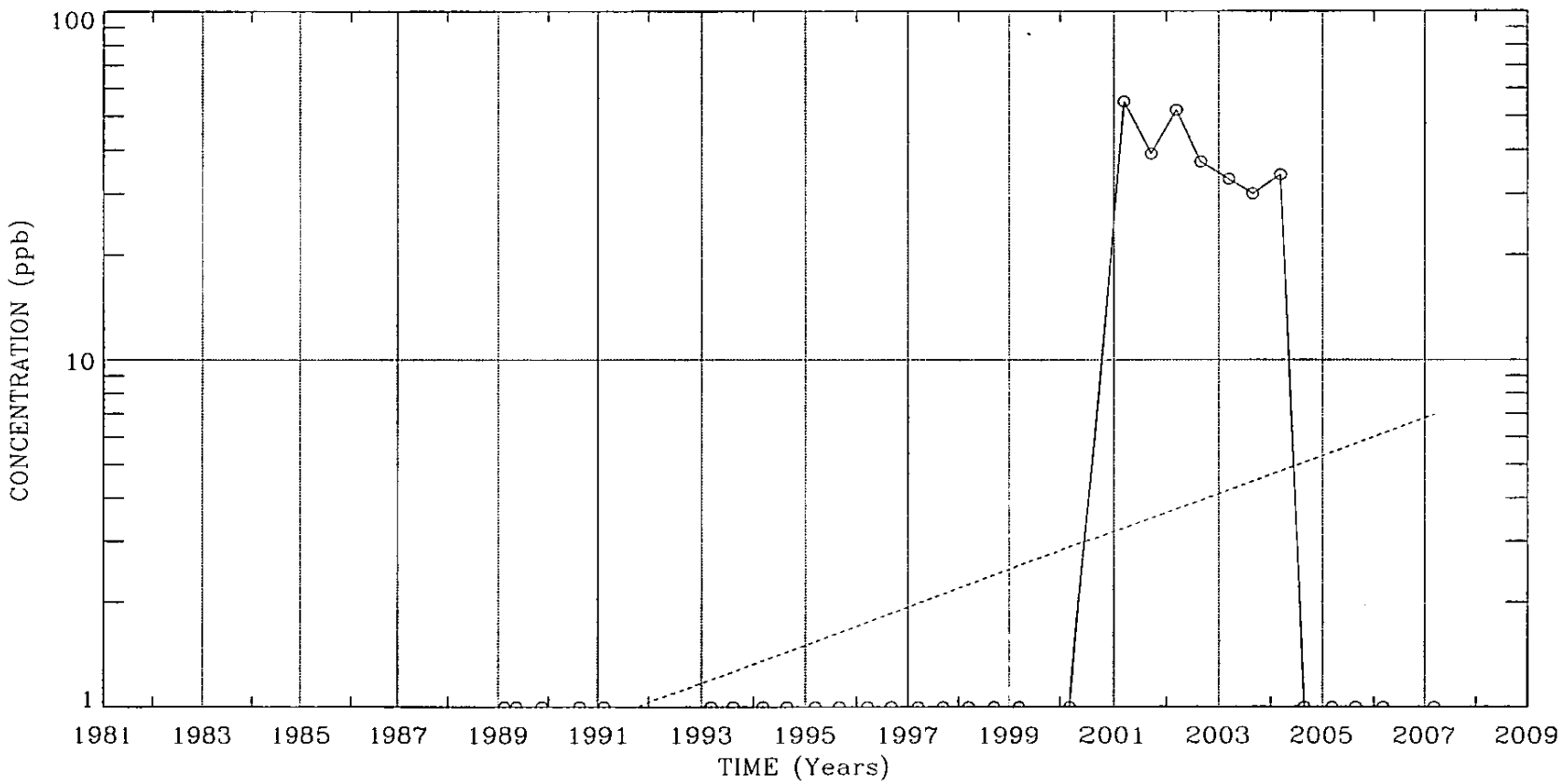

REGRESSION LINE EQUATION: $Y = 6.274E-002e^{0.0749x}$

Well 25A UNIT 3
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



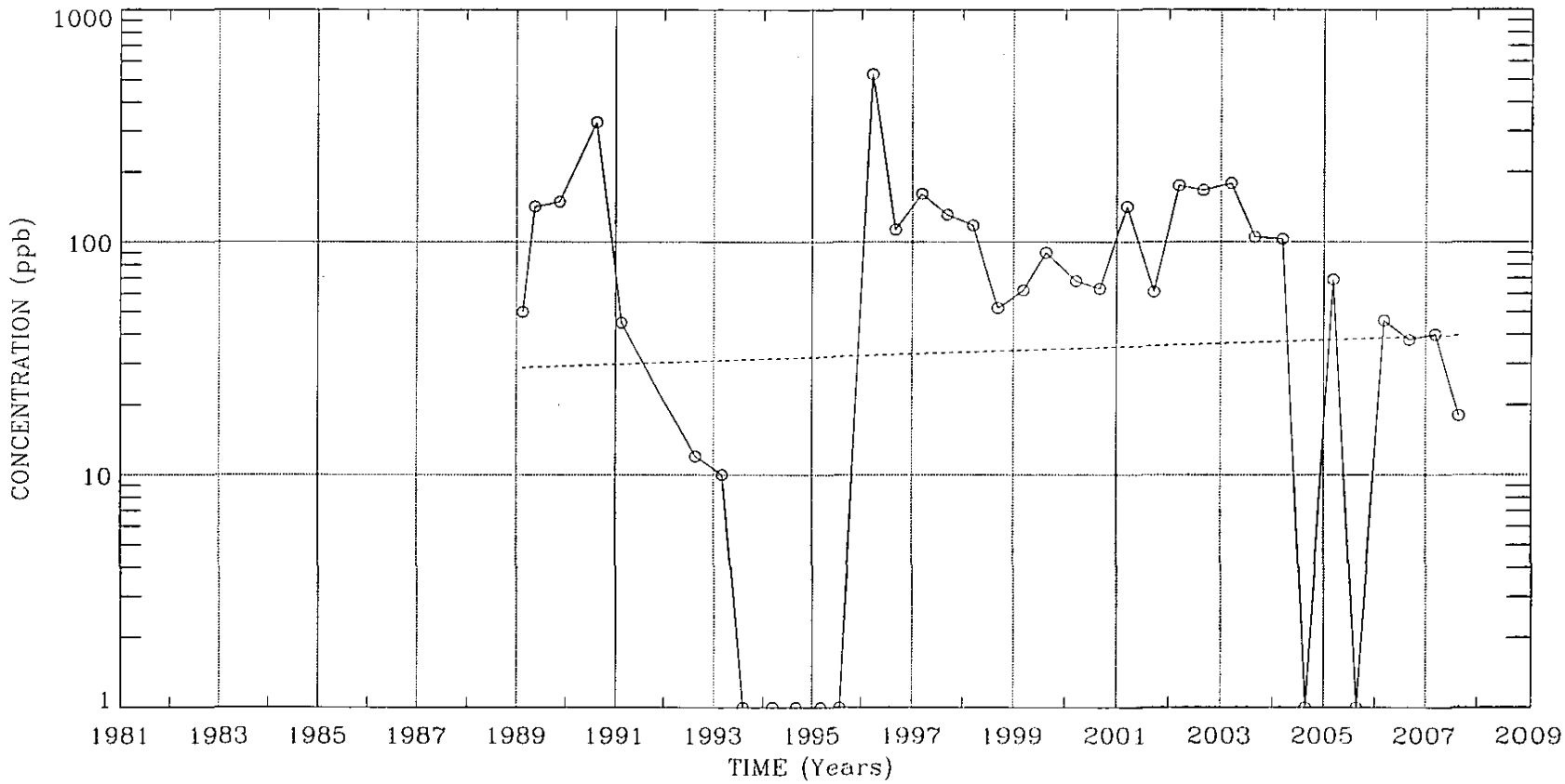

REGRESSION LINE EQUATION: $Y = 1.010E+007e^{-0.0909x}$

Well 26A UNIT 4
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



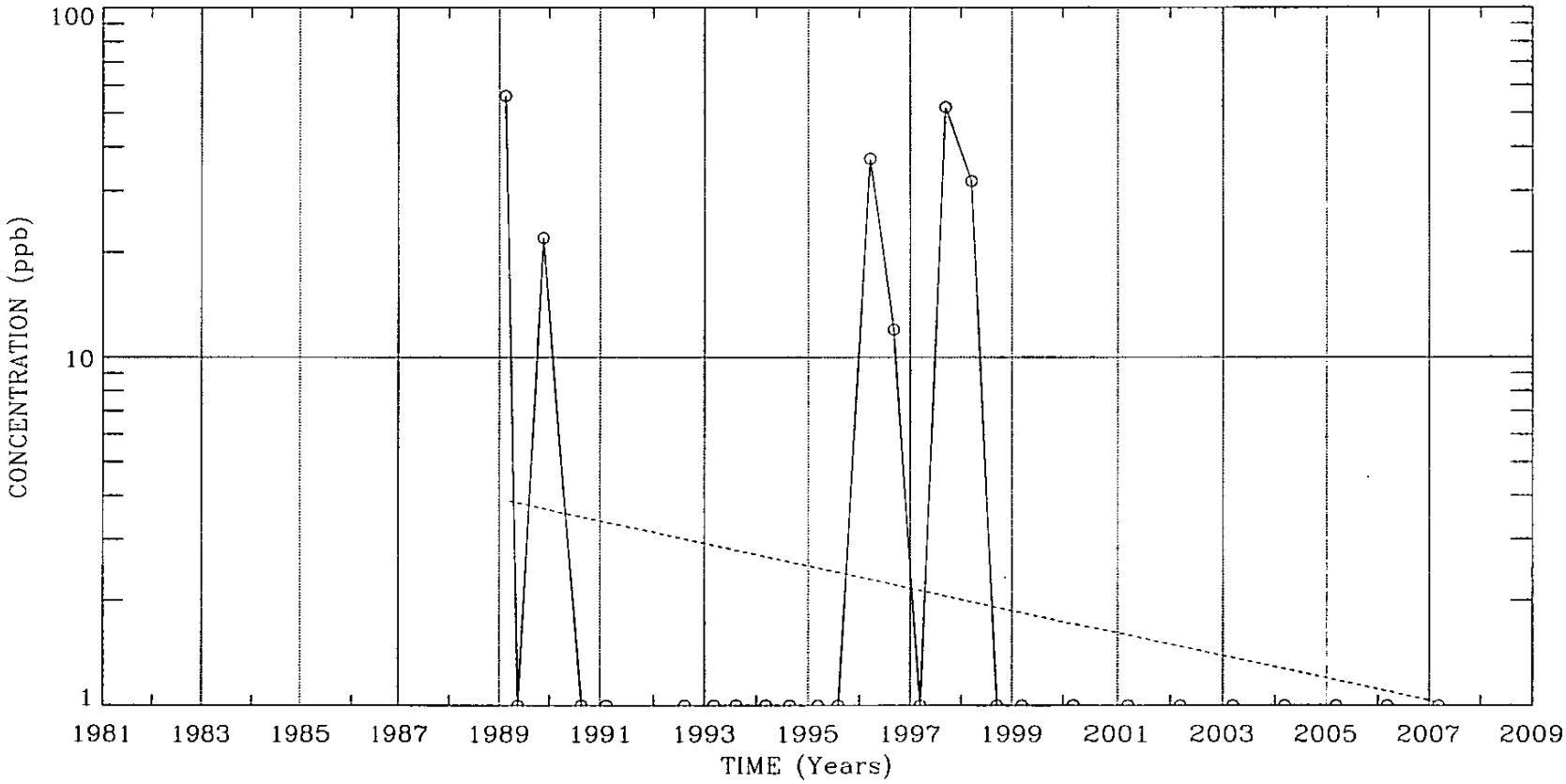

REGRESSION LINE EQUATION: $Y = 9.687E-006e^{0.1258x}$

Well 27A UNIT 3
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



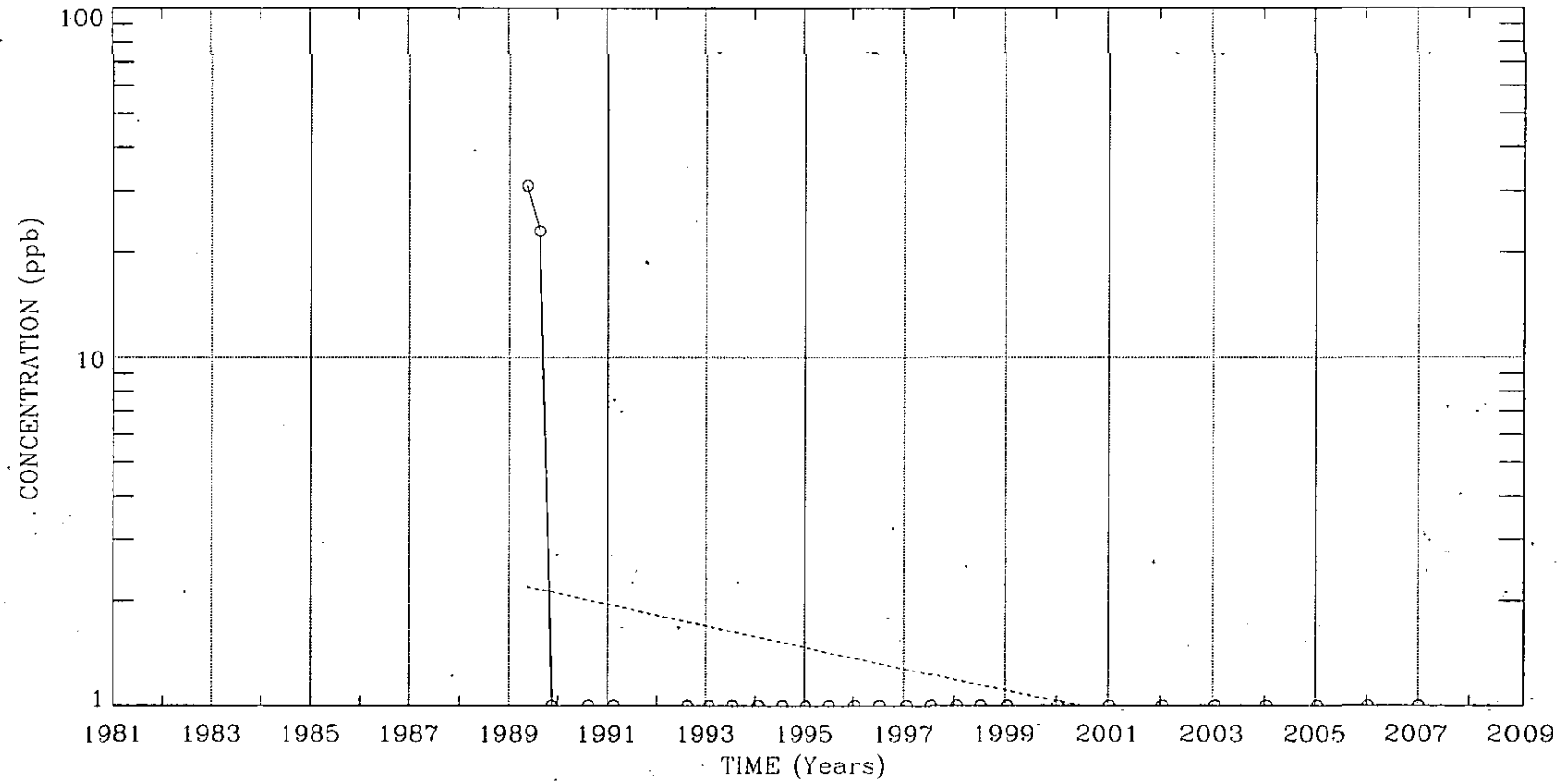

REGRESSION LINE EQUATION: $Y = 6.209E+000e^{0.0172x}$

Well 28A UNIT 3
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



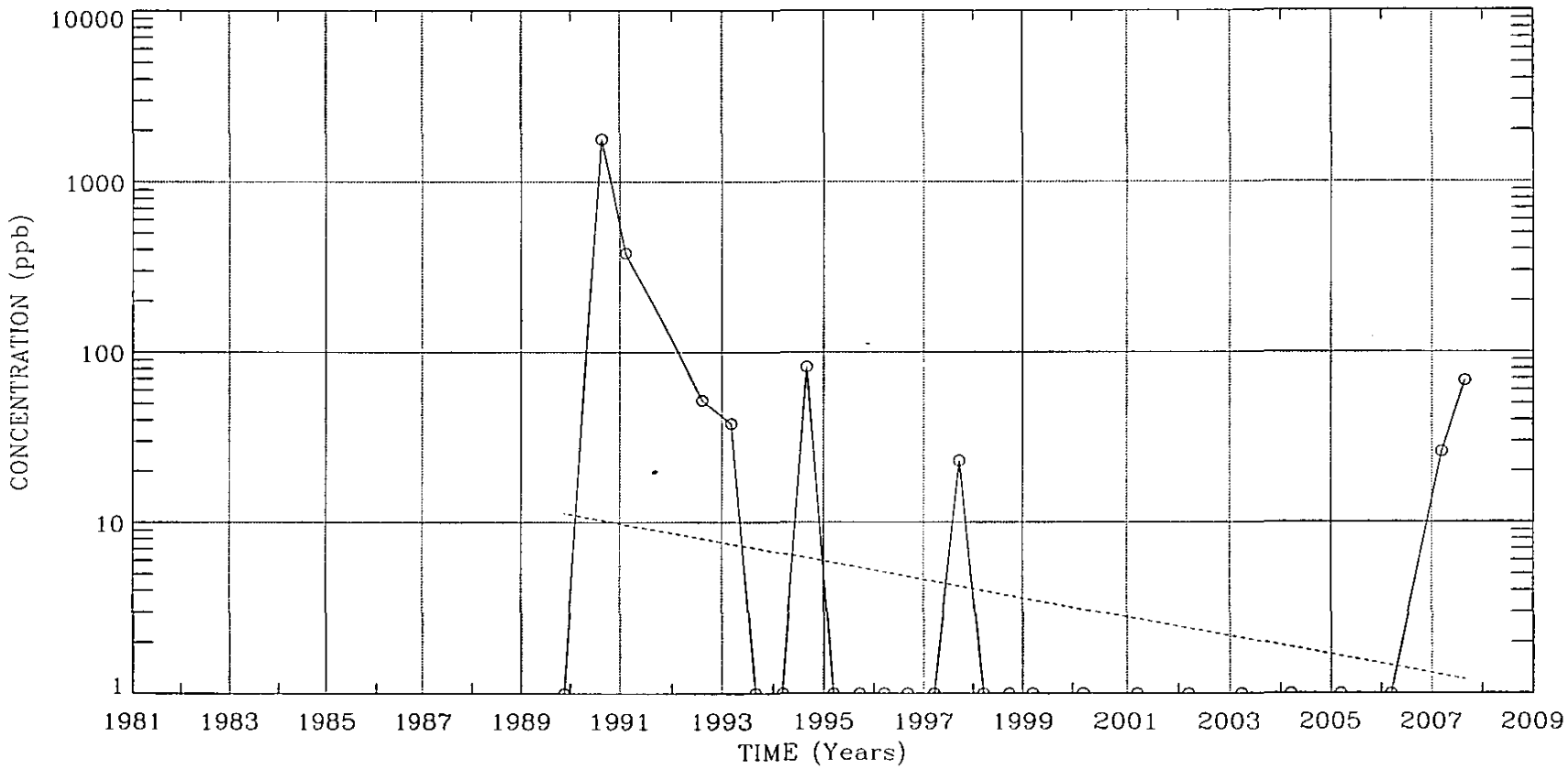

REGRESSION LINE EQUATION: $Y = 2.797E+003e^{-0.0738x}$

Well 30B-1 UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



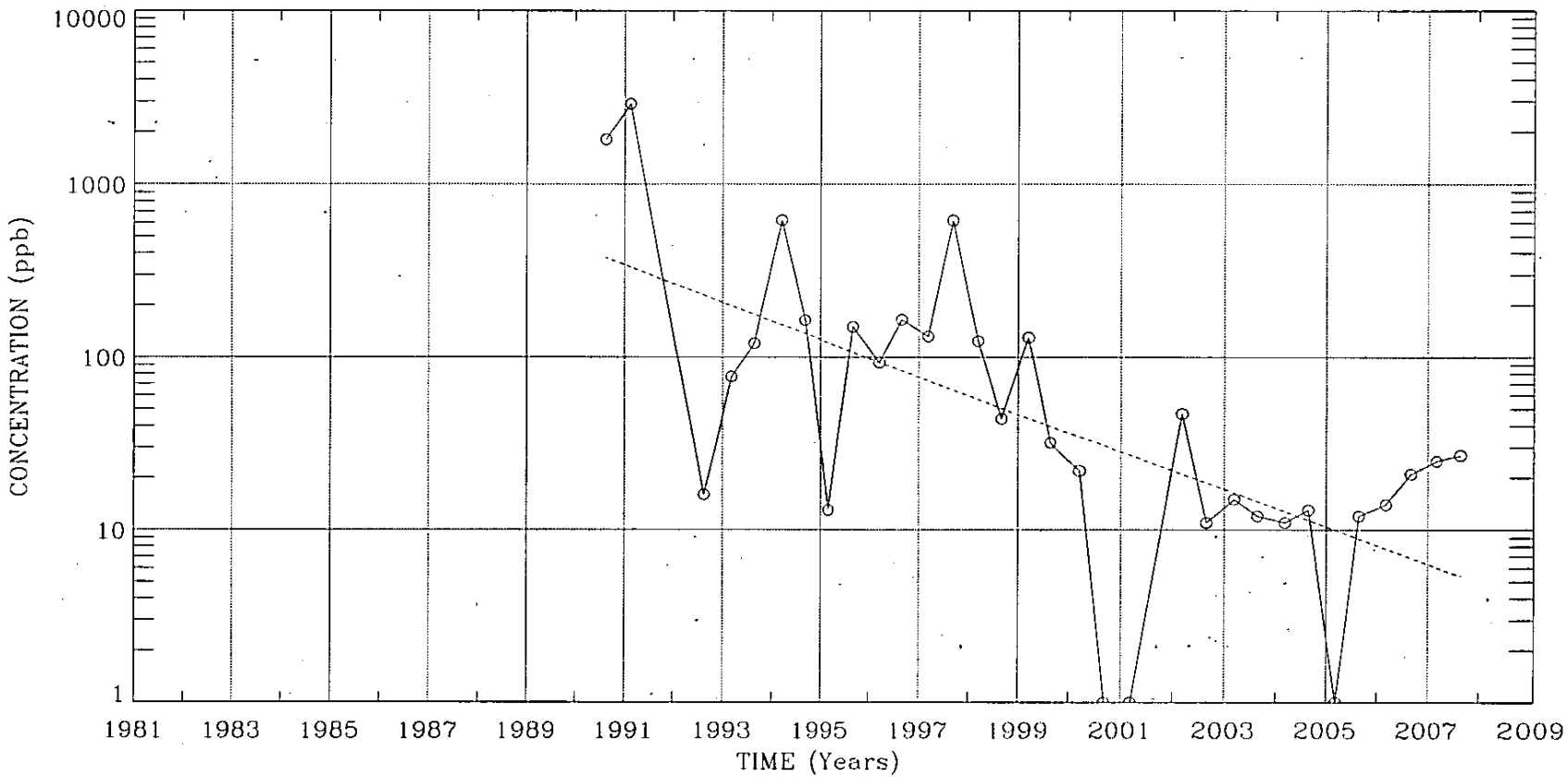

REGRESSION LINE EQUATION: $Y = 1.253E+003e^{-0.0710x}$

Well 31B-2 UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



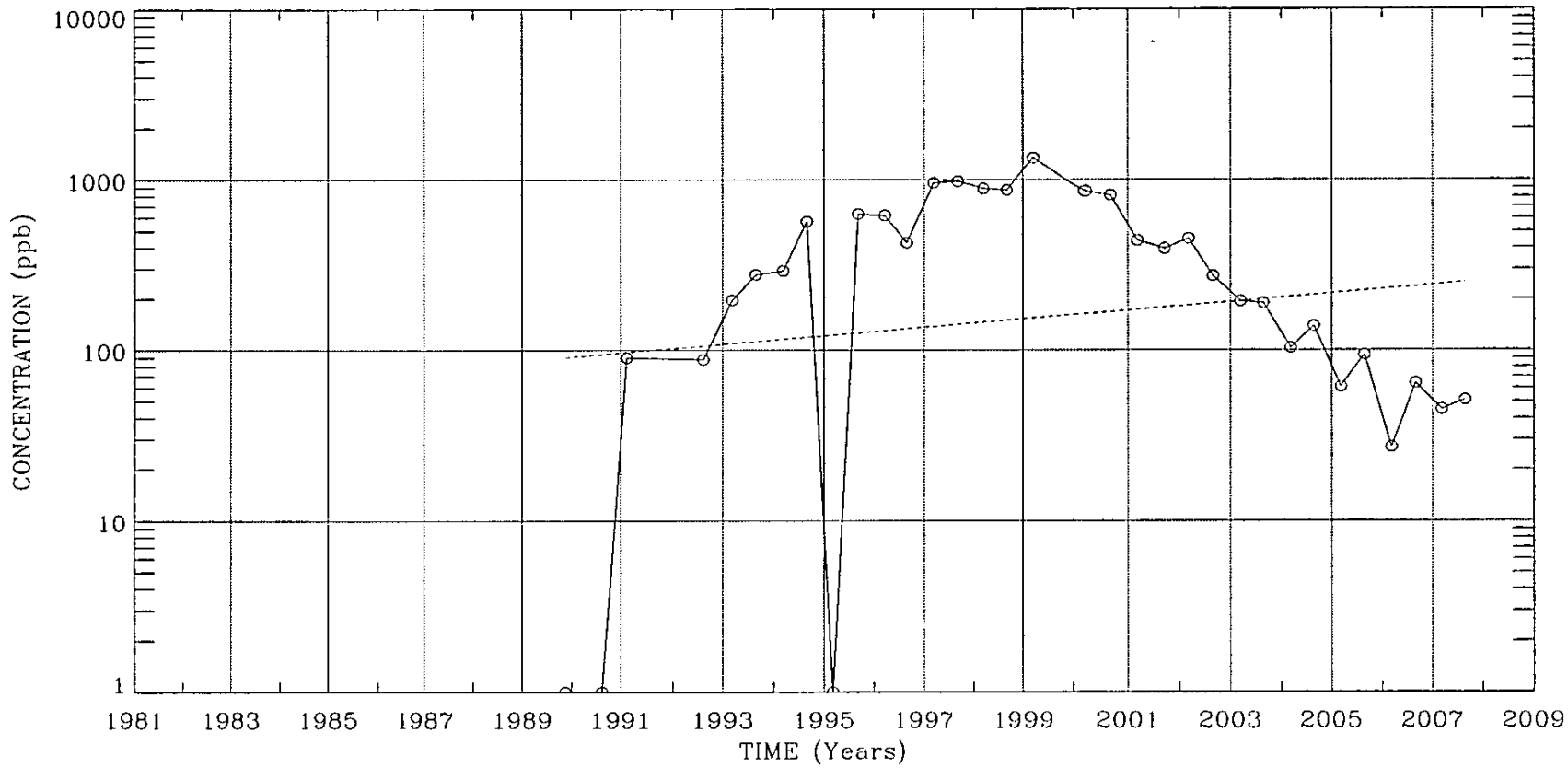

REGRESSION LINE EQUATION: $Y = 8.987E+005e^{-0.1255x}$

Well 32B-1 UNIT 4
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



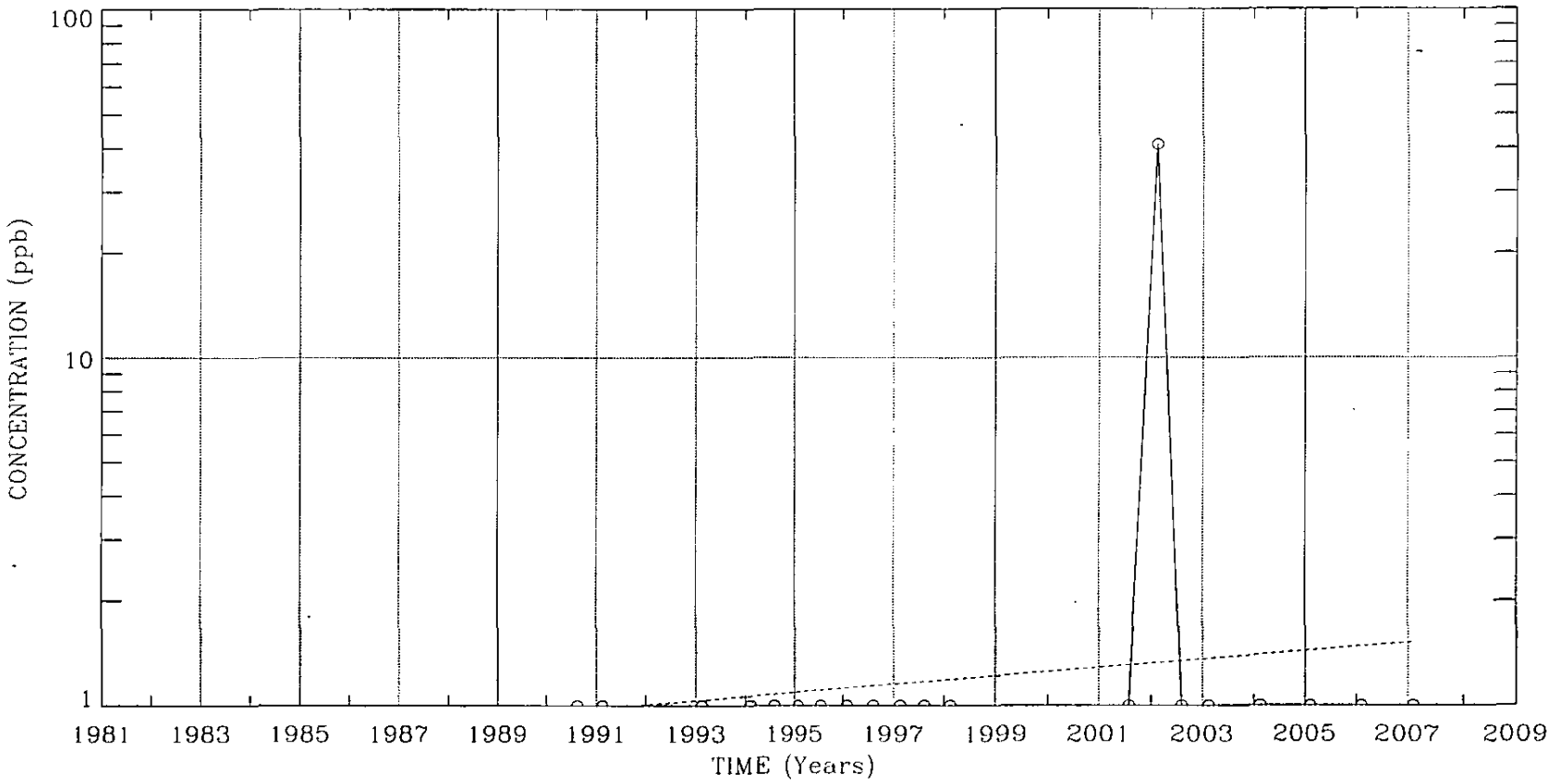

REGRESSION LINE EQUATION: $Y = 2.440E+012e^{-0.2493x}$

Well 32B-2 UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



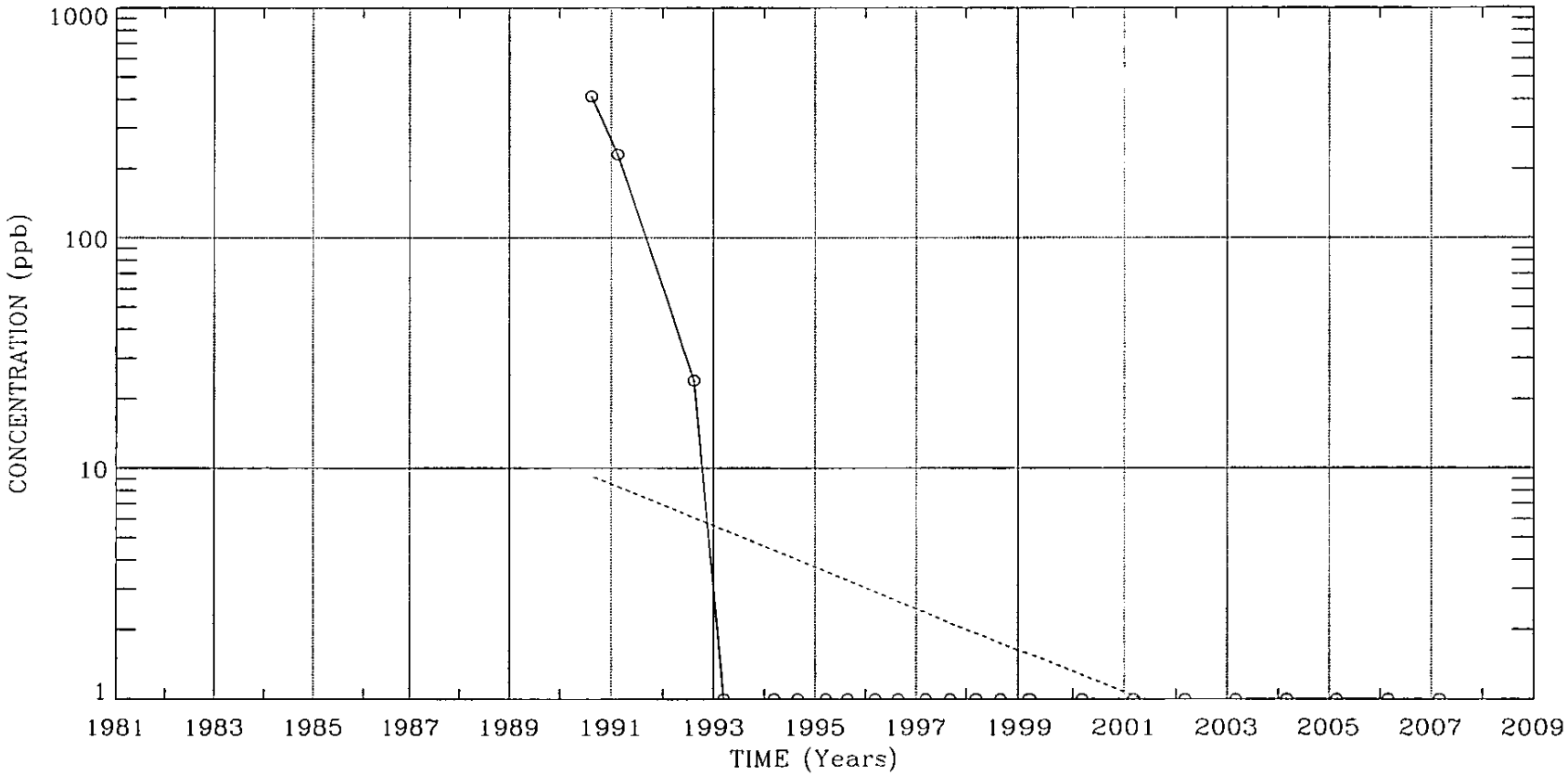

REGRESSION LINE EQUATION: $Y = 5.198E-001e^{0.0574x}$

Well 33A UNIT 3
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



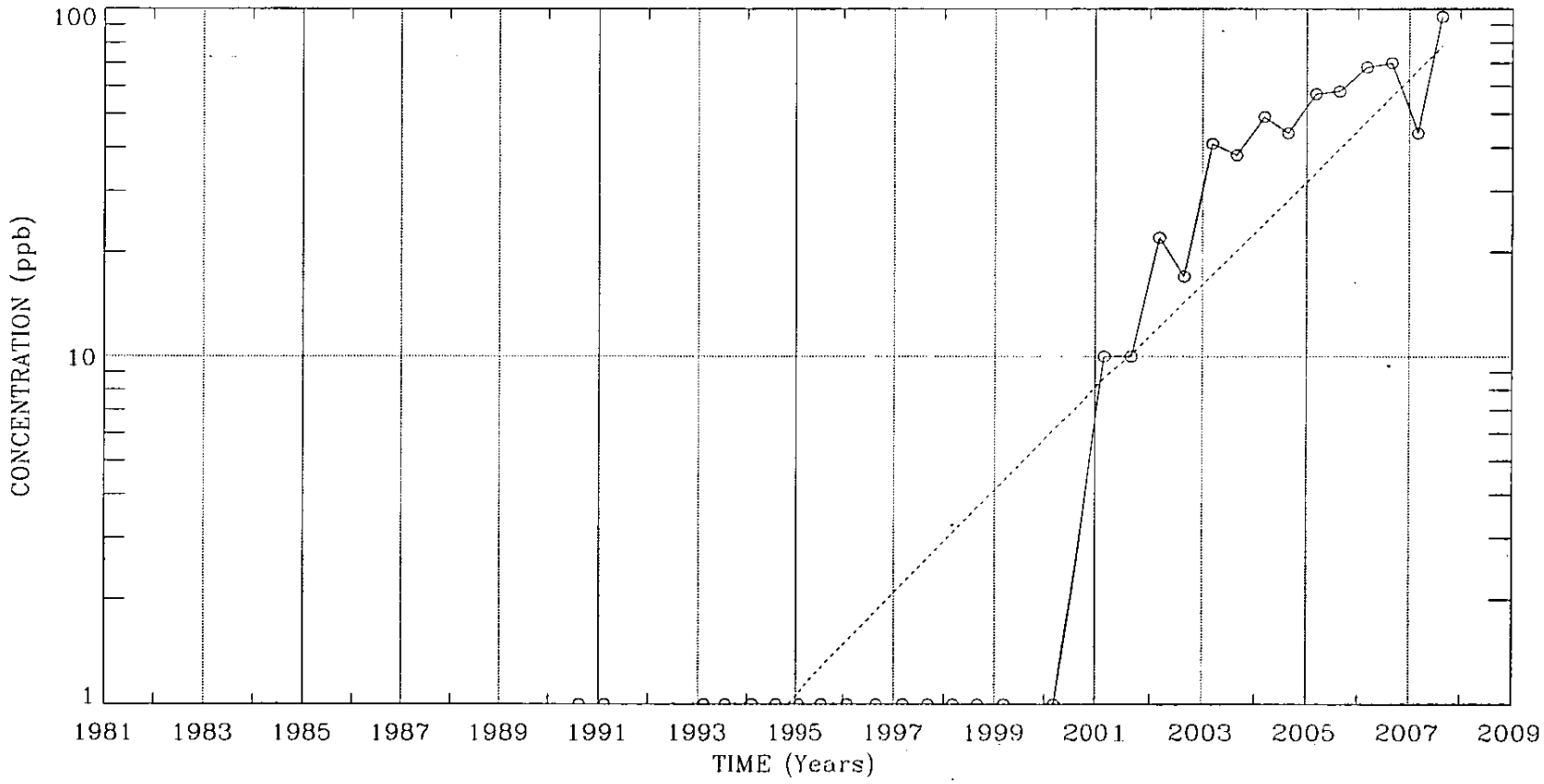

REGRESSION LINE EQUATION: $Y = 8.156E-002e^{0.0273x}$

Well 33B-2 UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



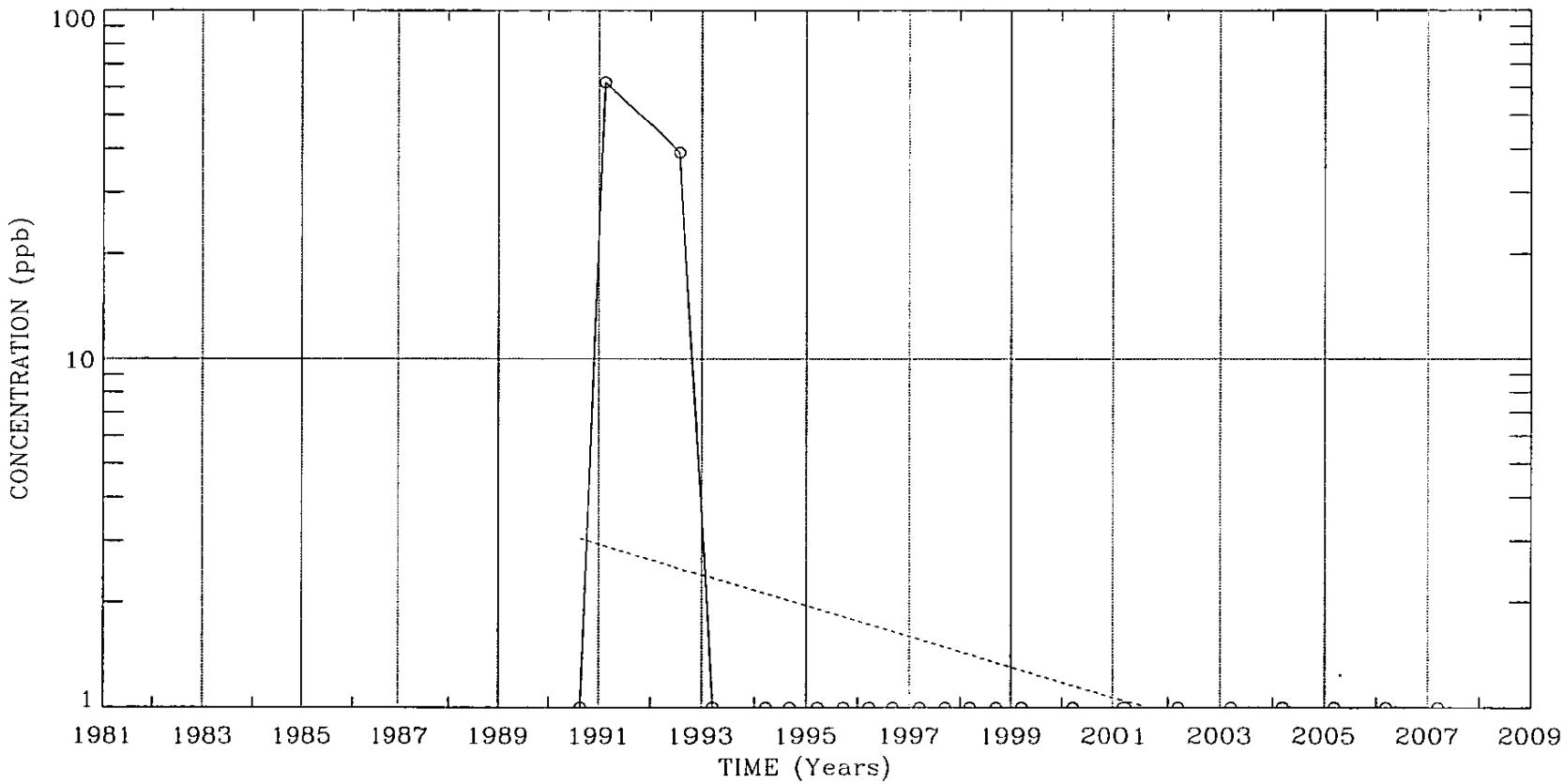

REGRESSION LINE EQUATION: $Y = 1.309E+009e^{-0.2071x}$

Well 34B-1 UNIT 4
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



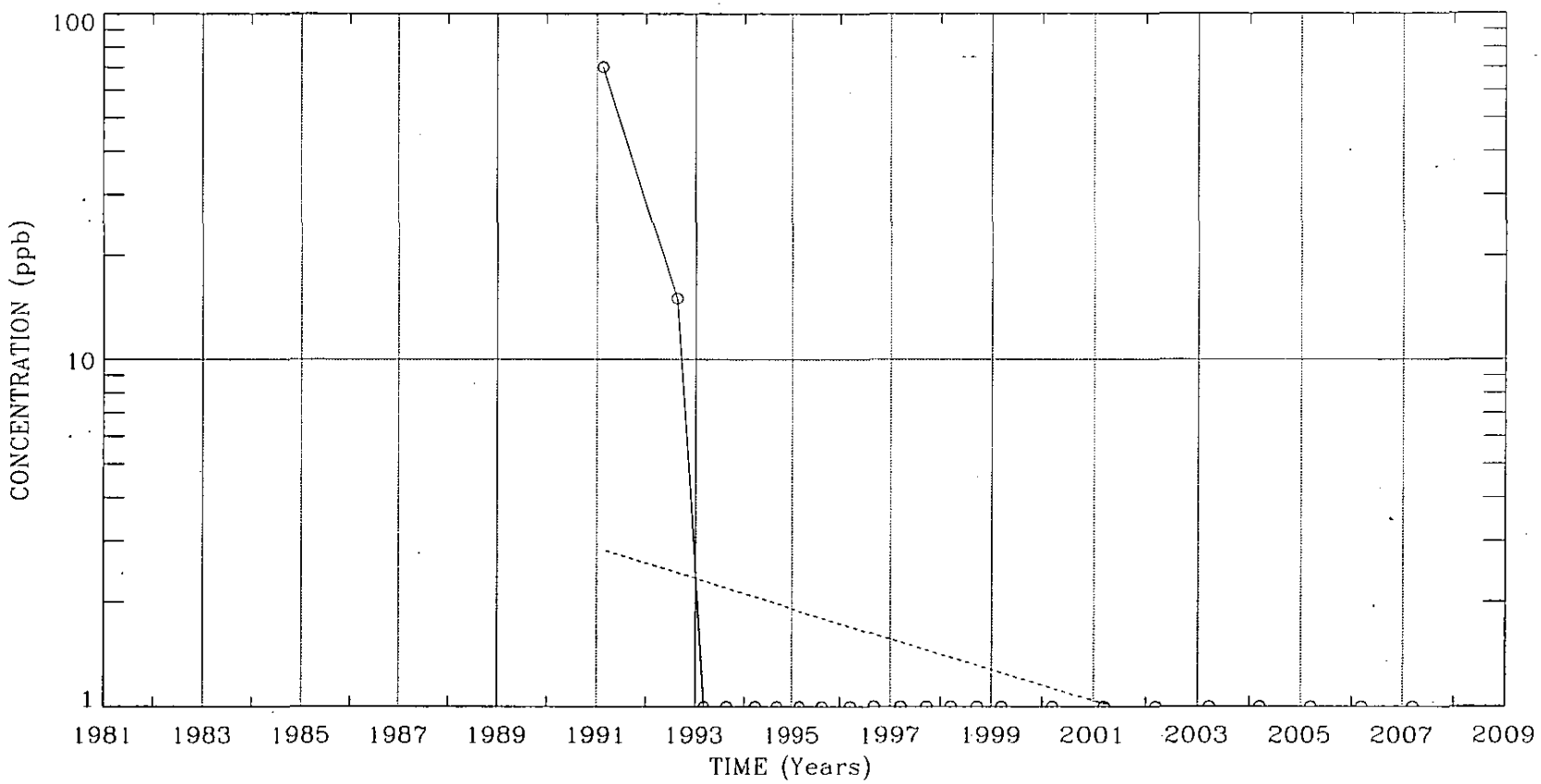

REGRESSION LINE EQUATION: $Y = 9.488E-015e^{0.3405x}$

Well 37A UNIT 3
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



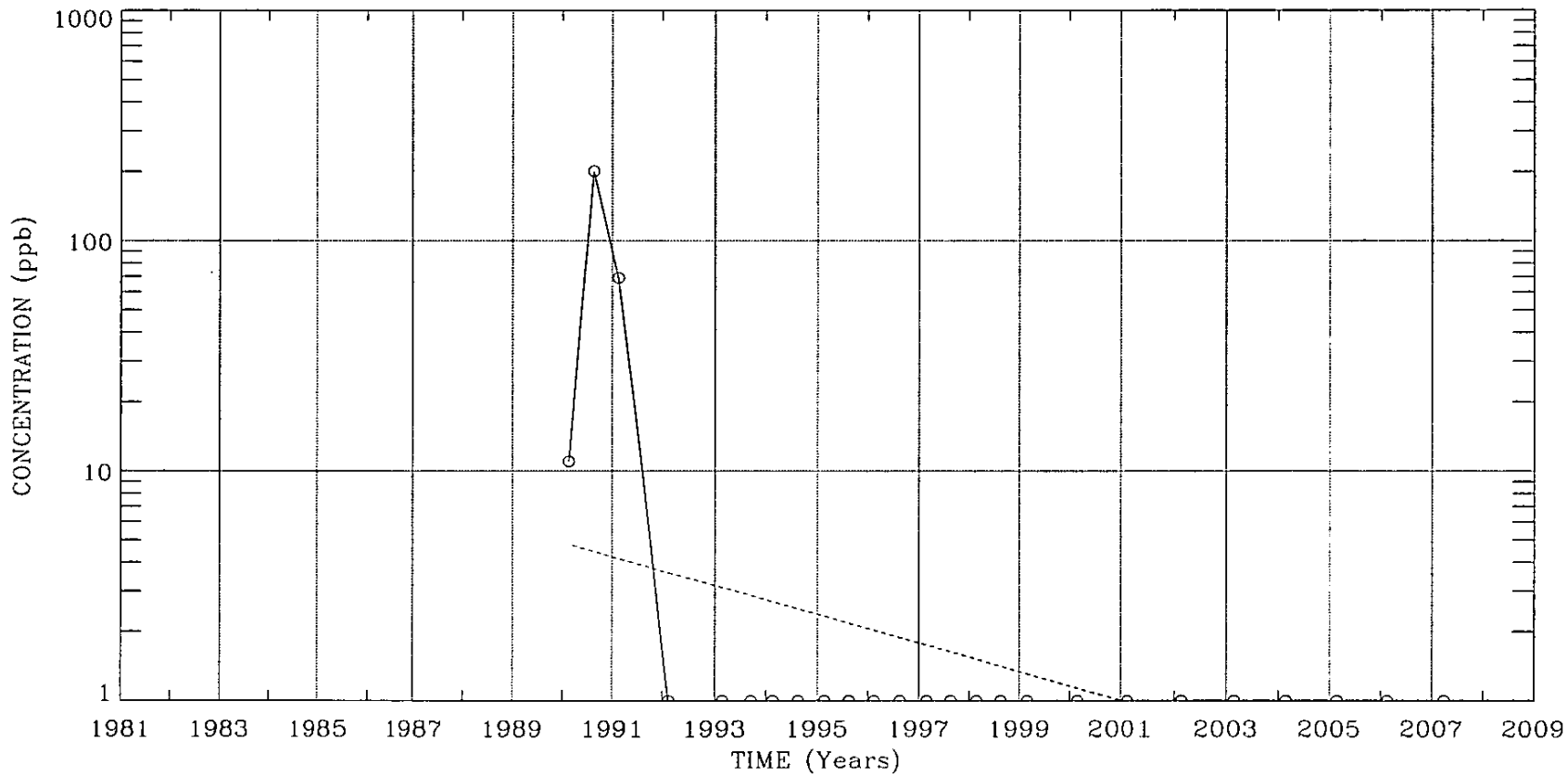

REGRESSION LINE EQUATION: $Y = 2.896E+004e^{-0.1011x}$

Well 42B-1 UNIT 4
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



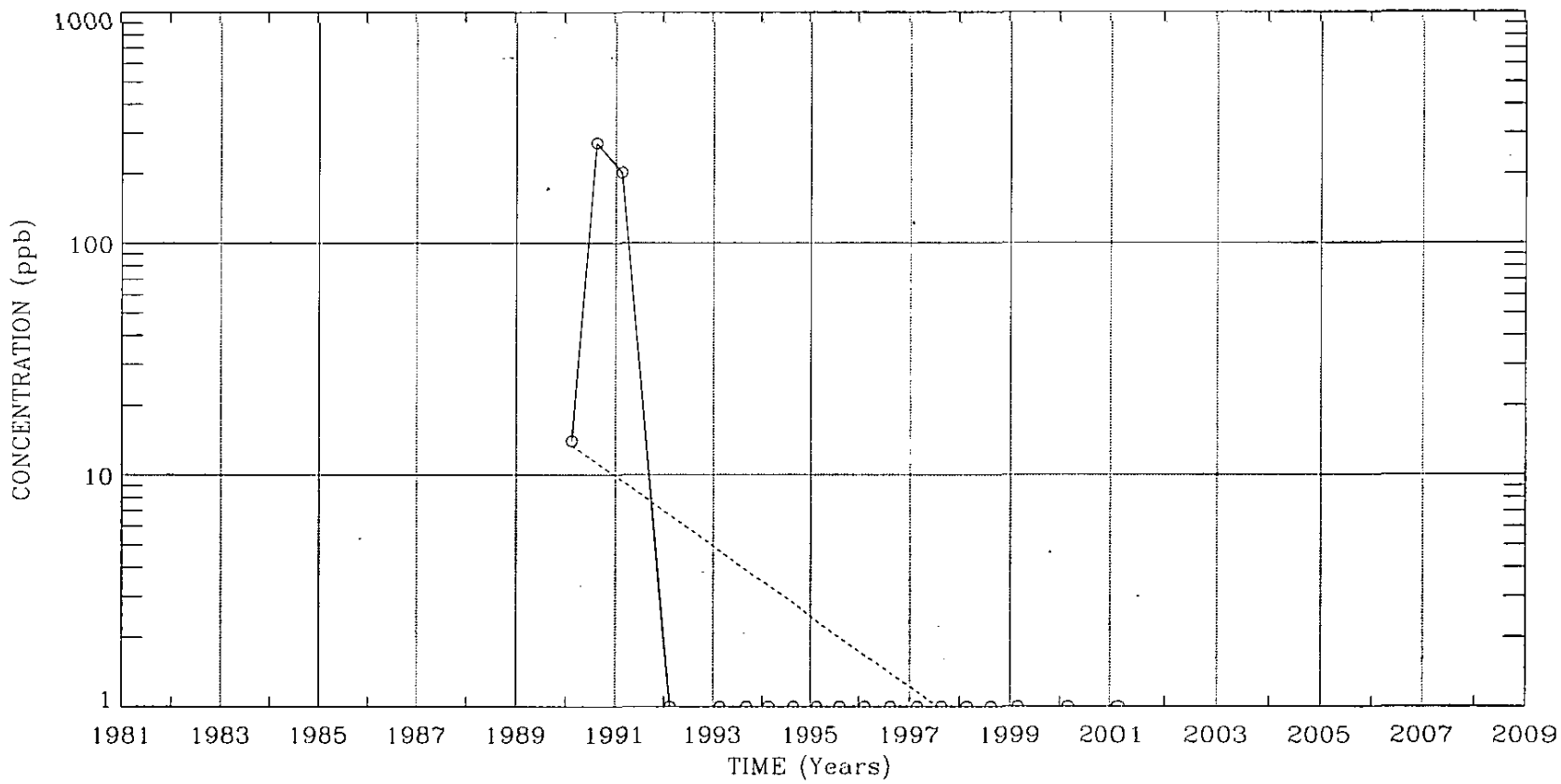

REGRESSION LINE EQUATION: $Y = 2.845E+004e^{-0.1011x}$

Well AT-08 UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



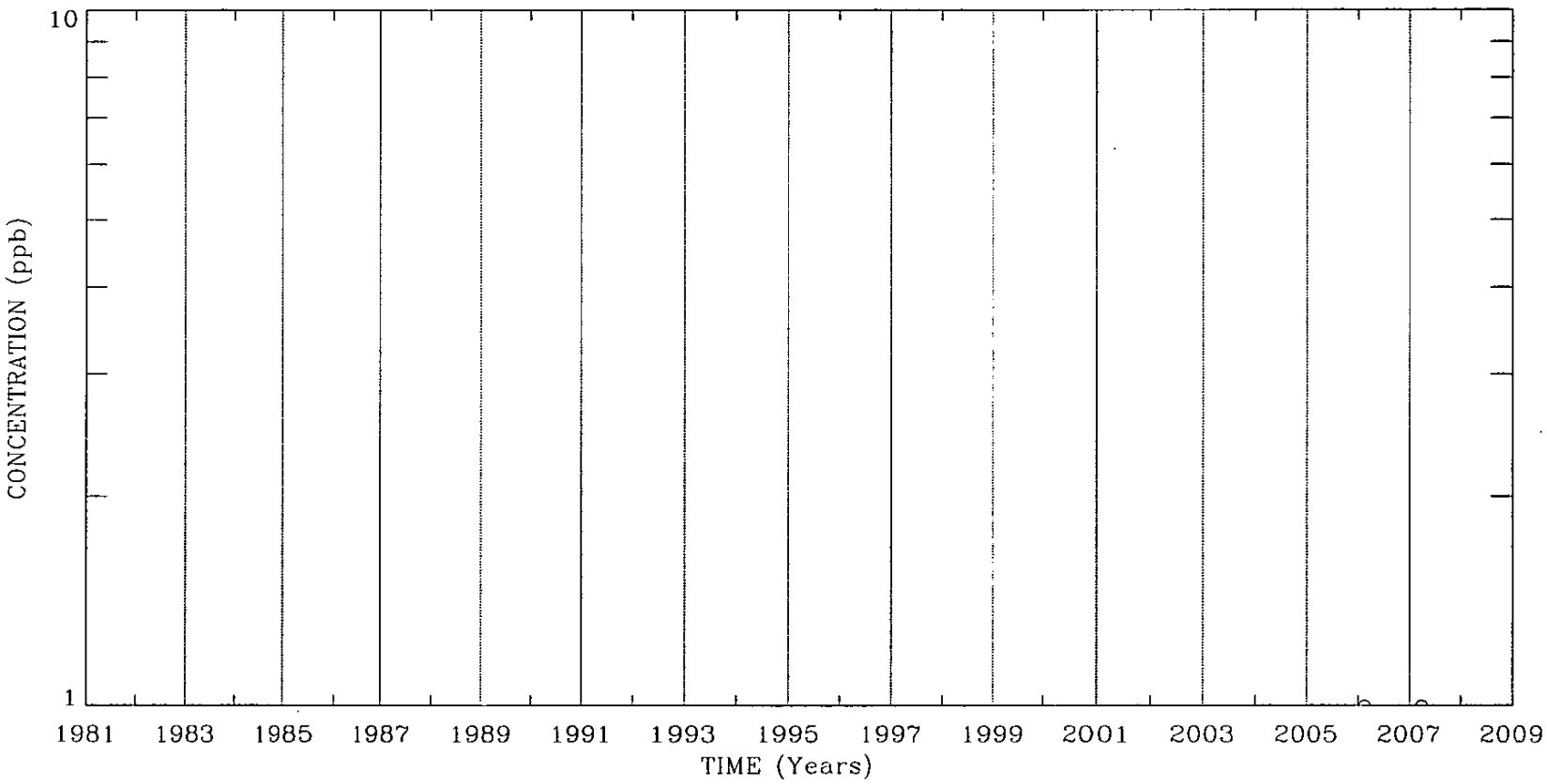

REGRESSION LINE EQUATION: $Y = 1.948E+006e^{-0.1433x}$

Well AT-12 UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



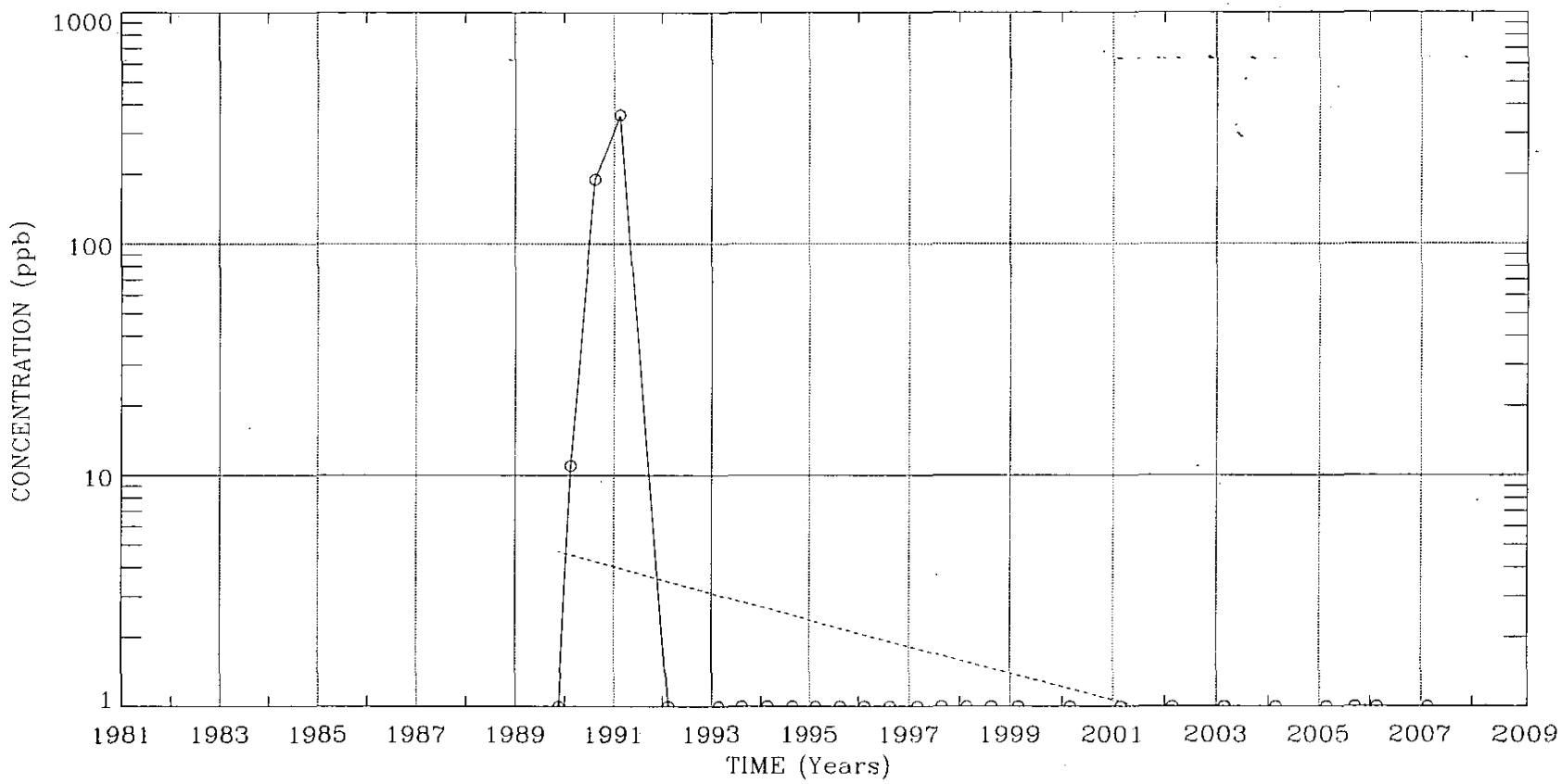

REGRESSION LINE EQUATION: $Y = 5.468E+014e^{-0.3478x}$

Well AT-12R Unit 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



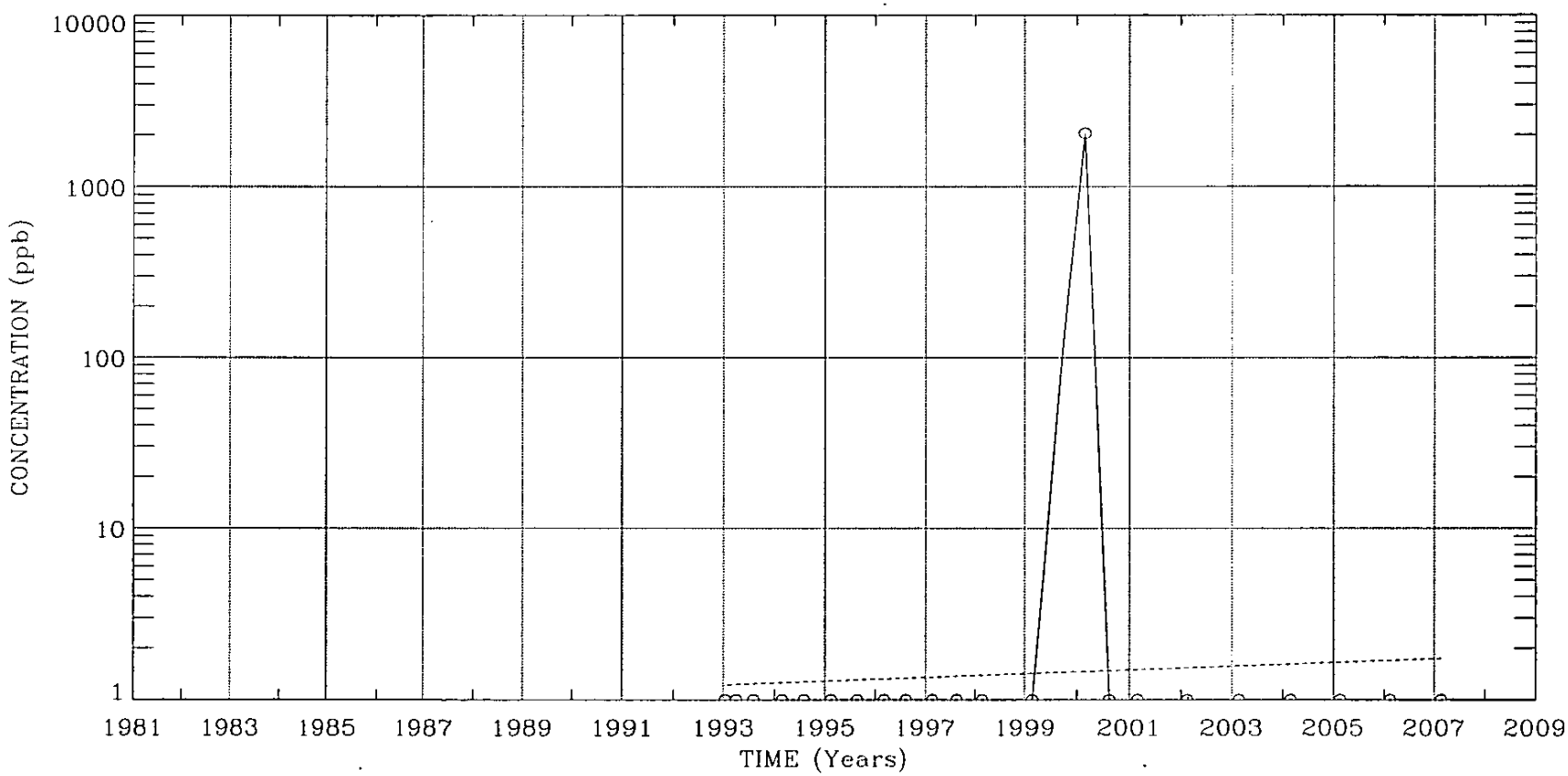

REGRESSION LINE EQUATION: $Y = e^{-NaN} e^{-NaNx}$

Well AT-13 UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



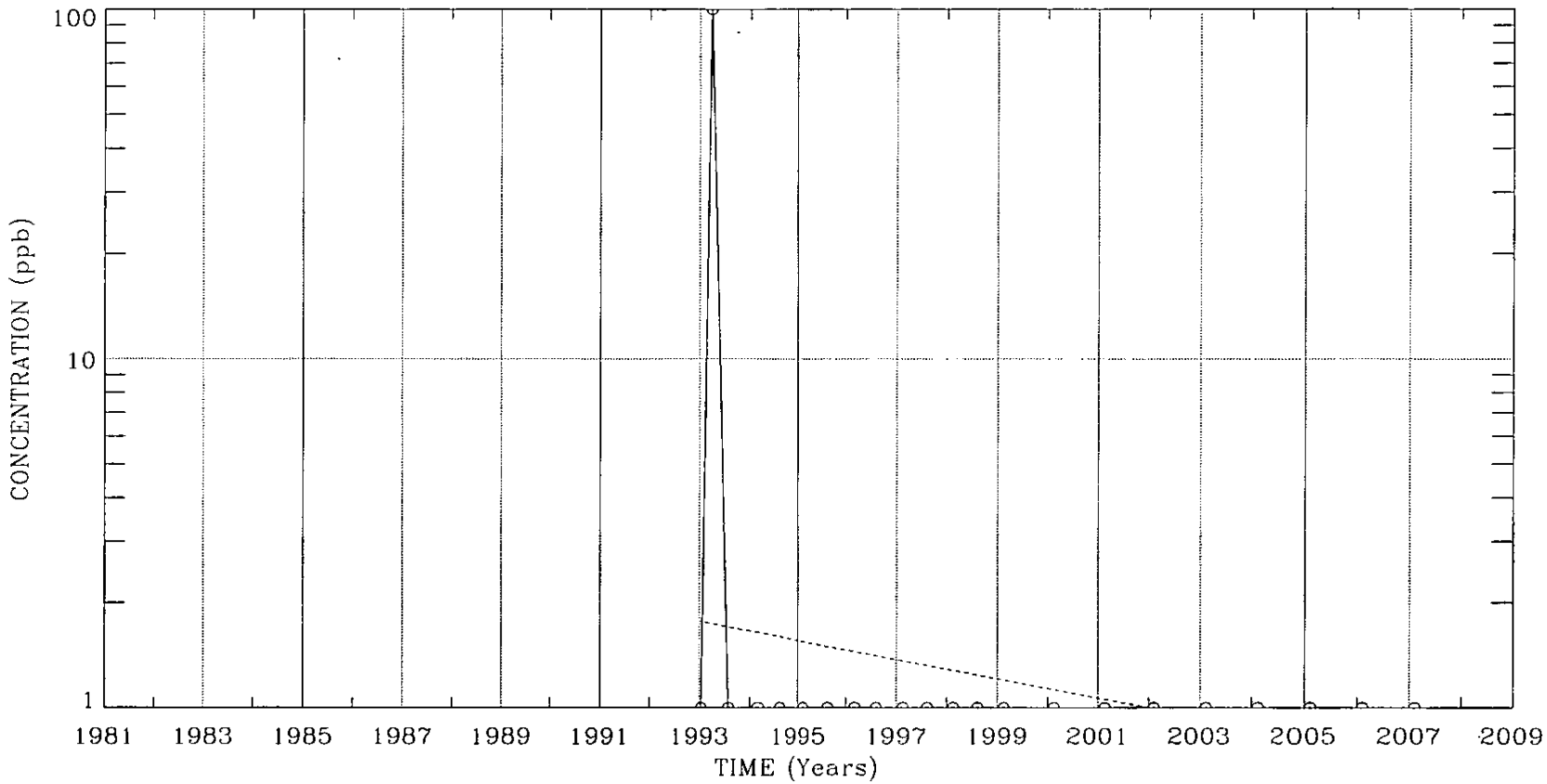

REGRESSION LINE EQUATION: $Y = 7.303E+005e^{-0.1330x}$

Well AT-22 UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



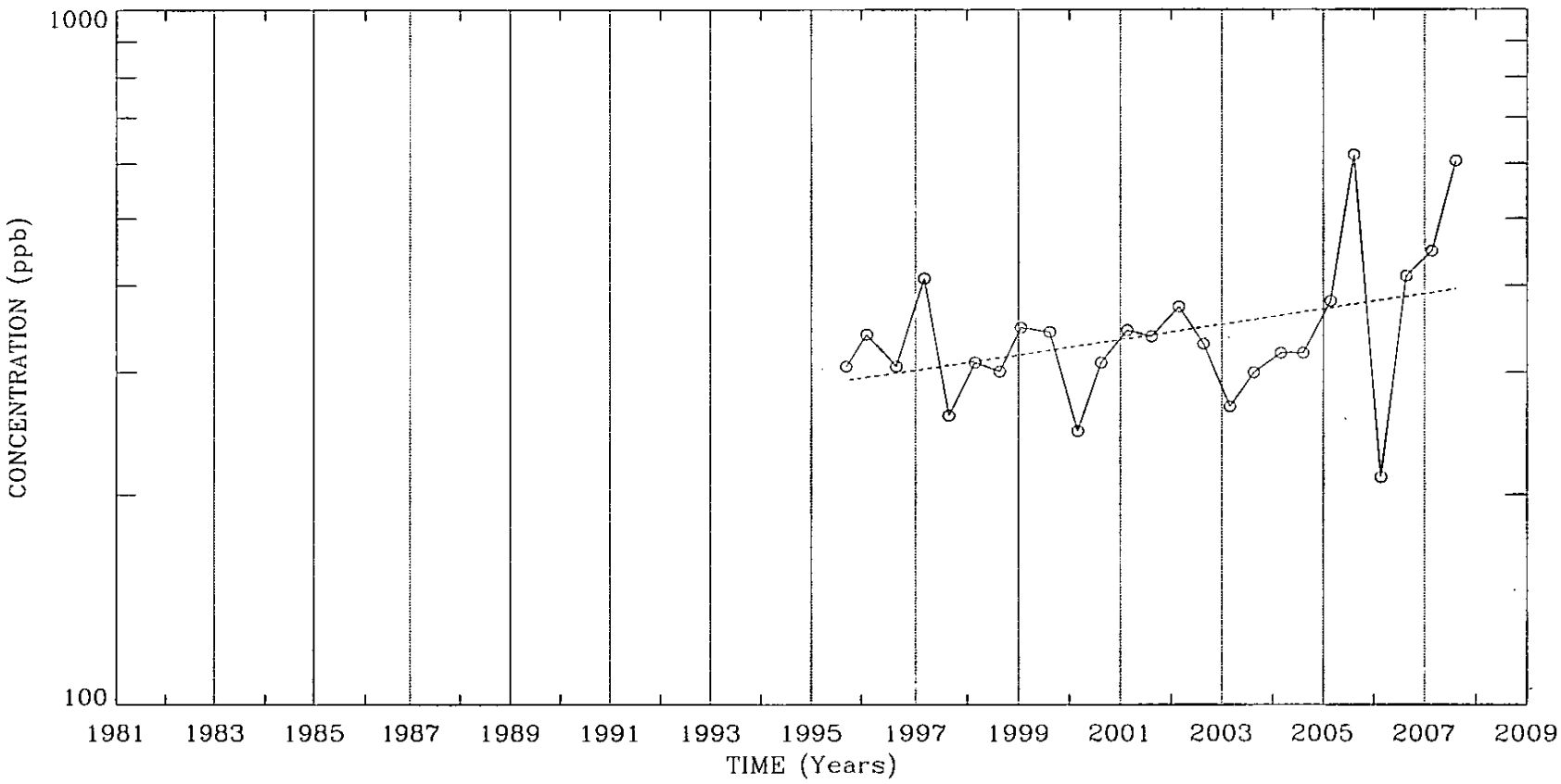

REGRESSION LINE EQUATION: $Y = 1.186E-001e^{0.0251x}$

Well AT-25 UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



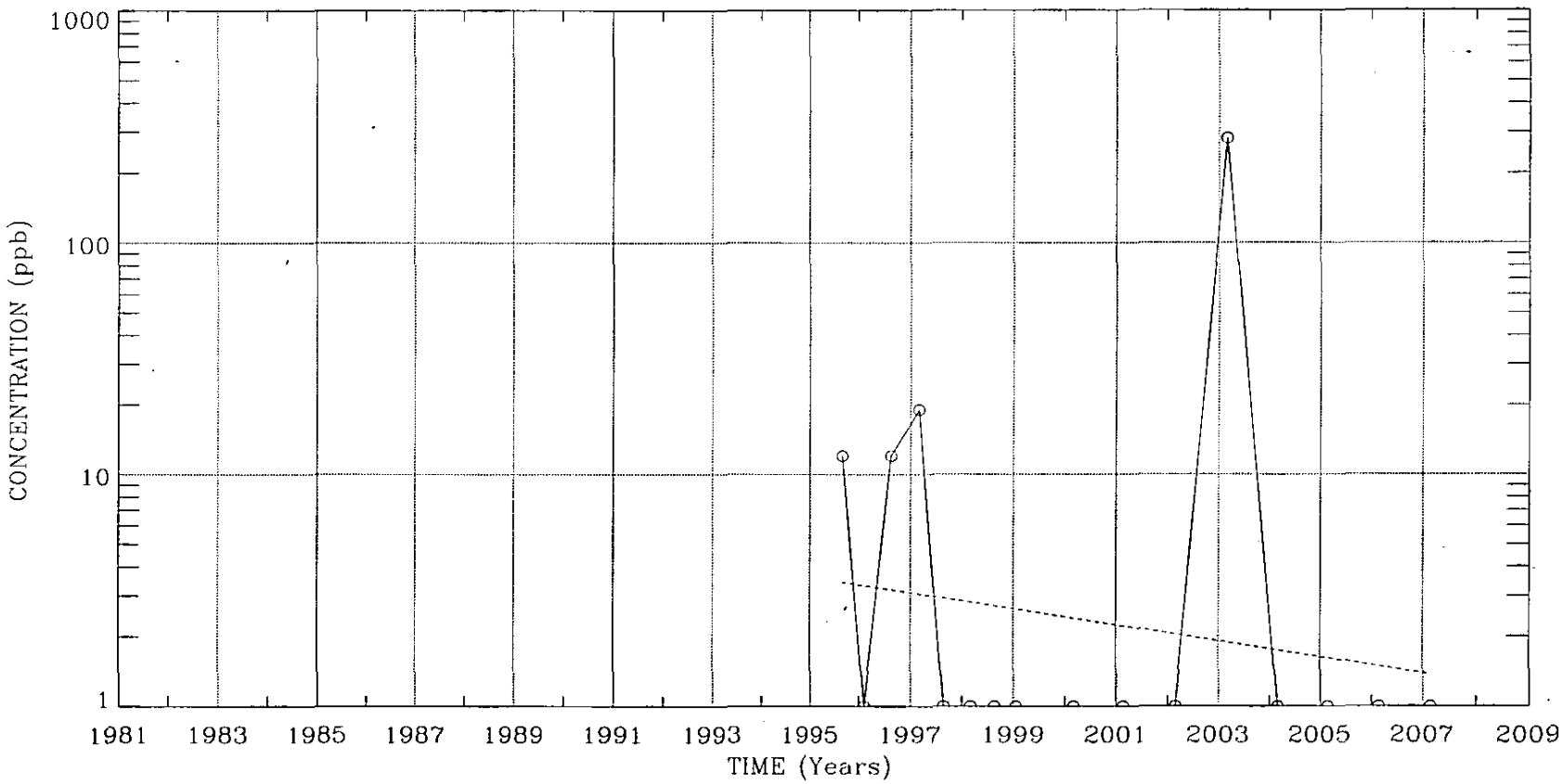

REGRESSION LINE EQUATION: $Y = 6.408E+002e^{-0.0633x}$

Well AT-34 UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



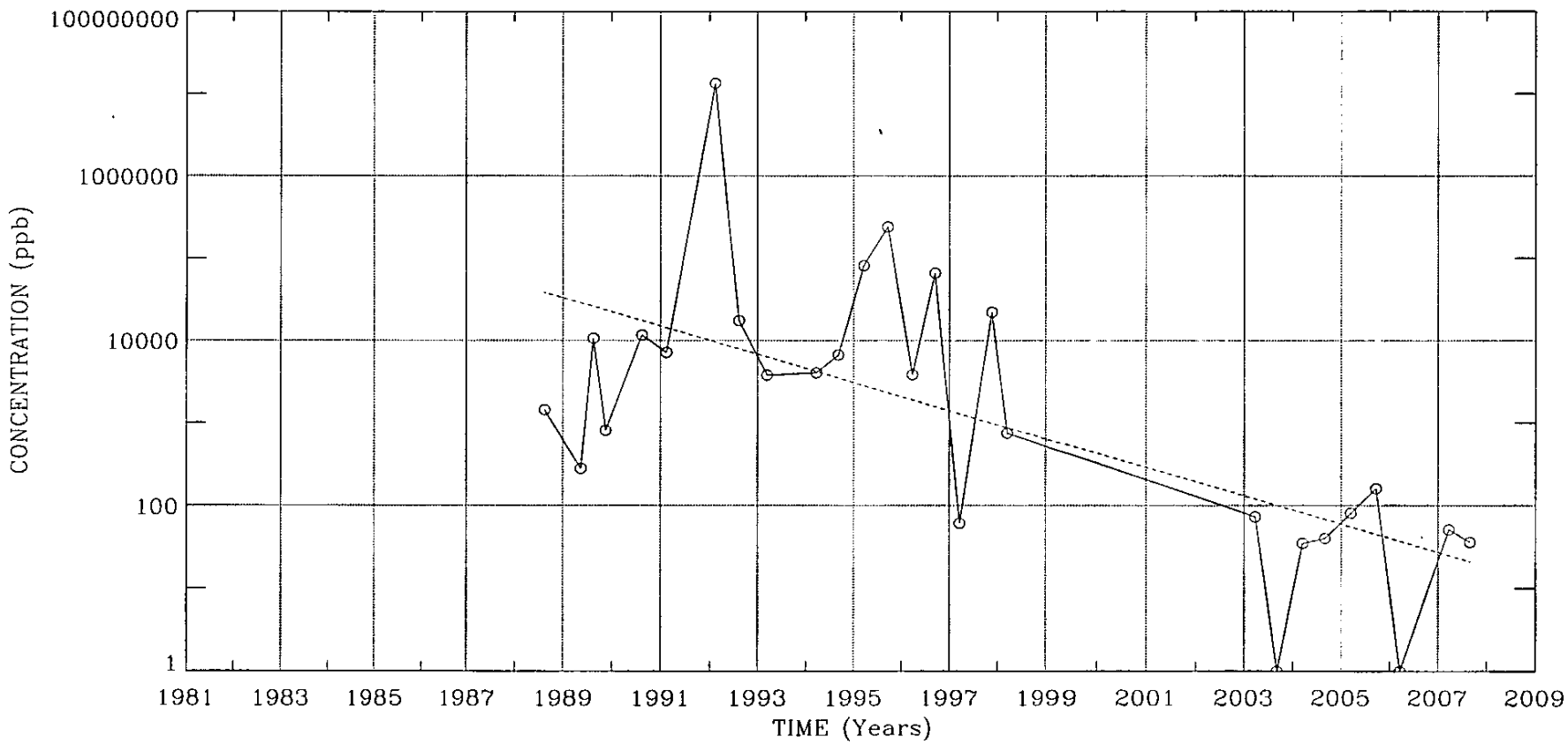

REGRESSION LINE EQUATION: $Y = 2.588E+001e^{0.0253x}$

Well AT-36 UNIT 4
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



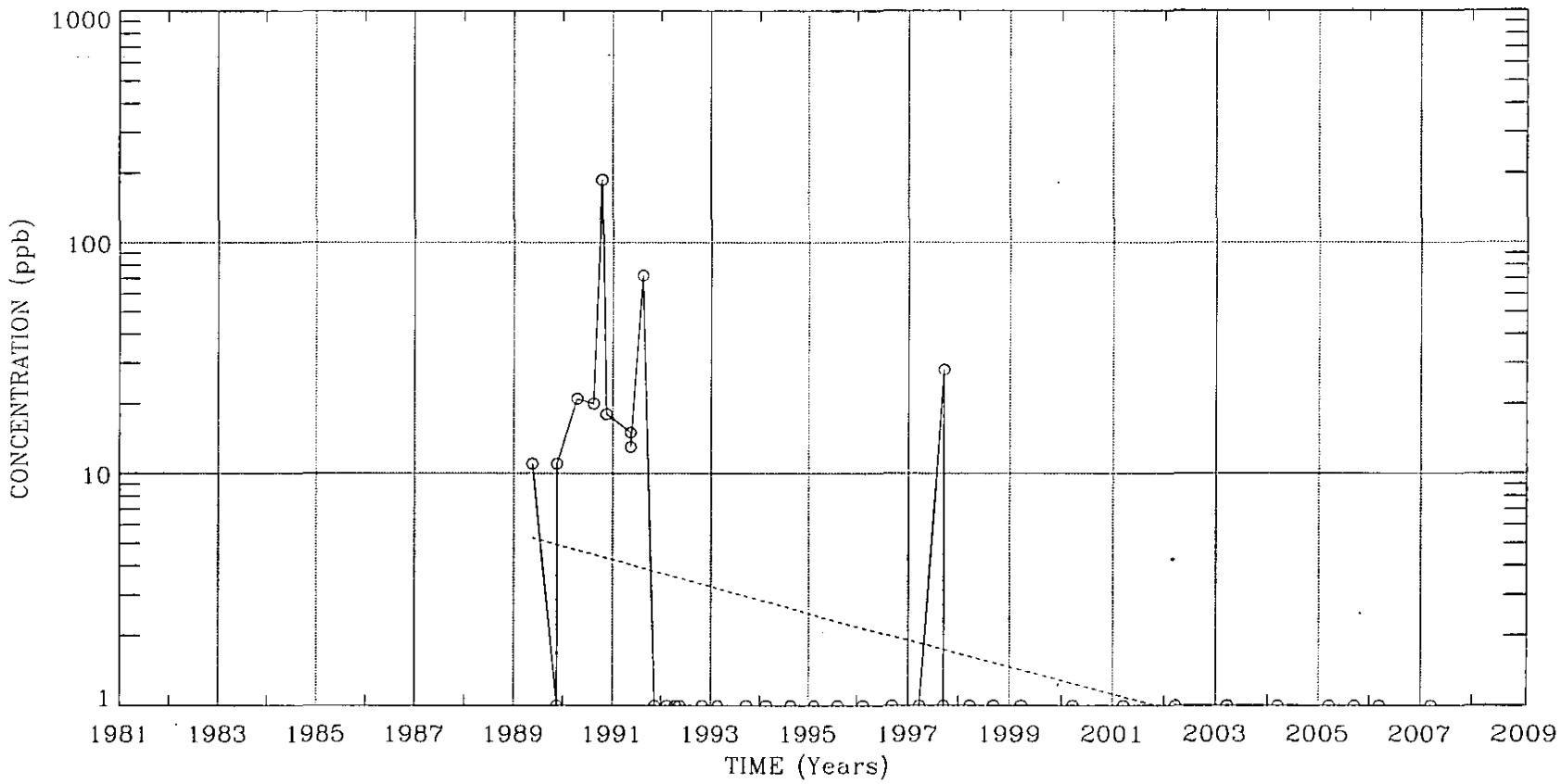

REGRESSION LINE EQUATION: $Y = 7.013E+003e^{-0.0797x}$

Well P-26 UNIT 3
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



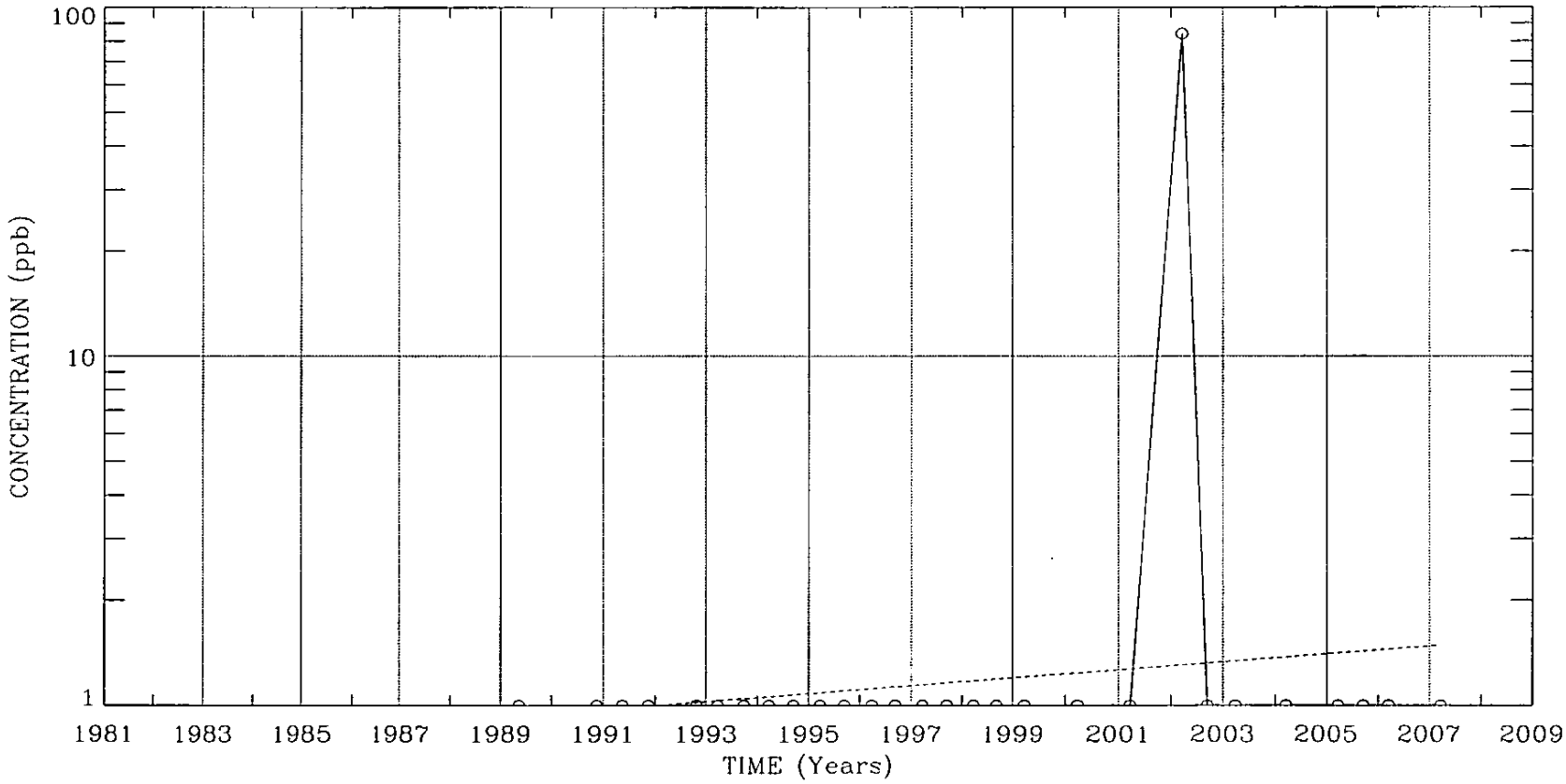

REGRESSION LINE EQUATION: $Y = 5.802E+019e^{-0.3944x}$

Well a-DM-04 UNIT 6
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



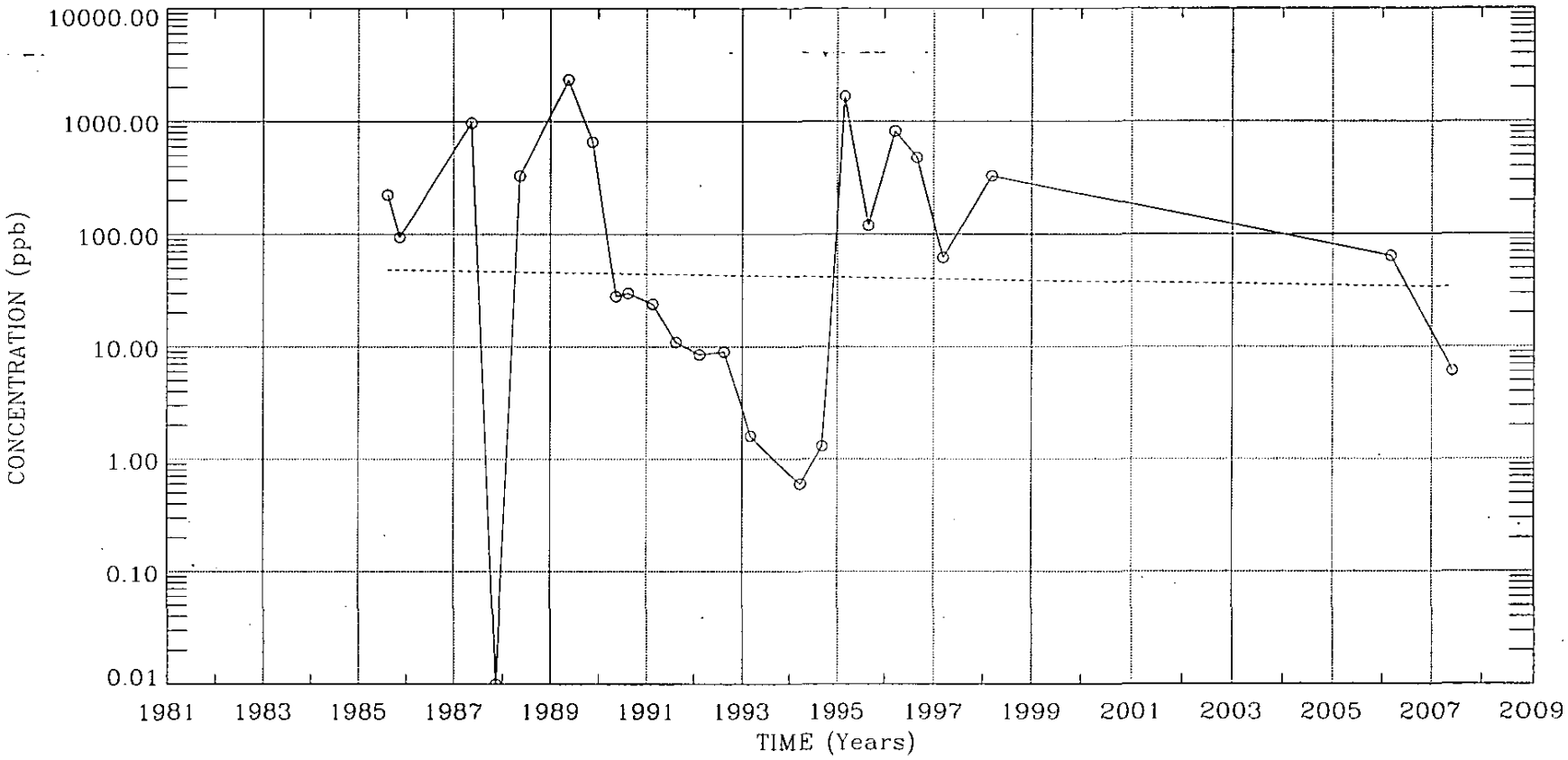

REGRESSION LINE EQUATION: $Y = 7.666E+005e^{-0.1330x}$

Well a-SM-01 UNIT 3
TOTAL SEMI-VOLATILE ORGANICS
Clean Harbors Baton Rouge, LLC



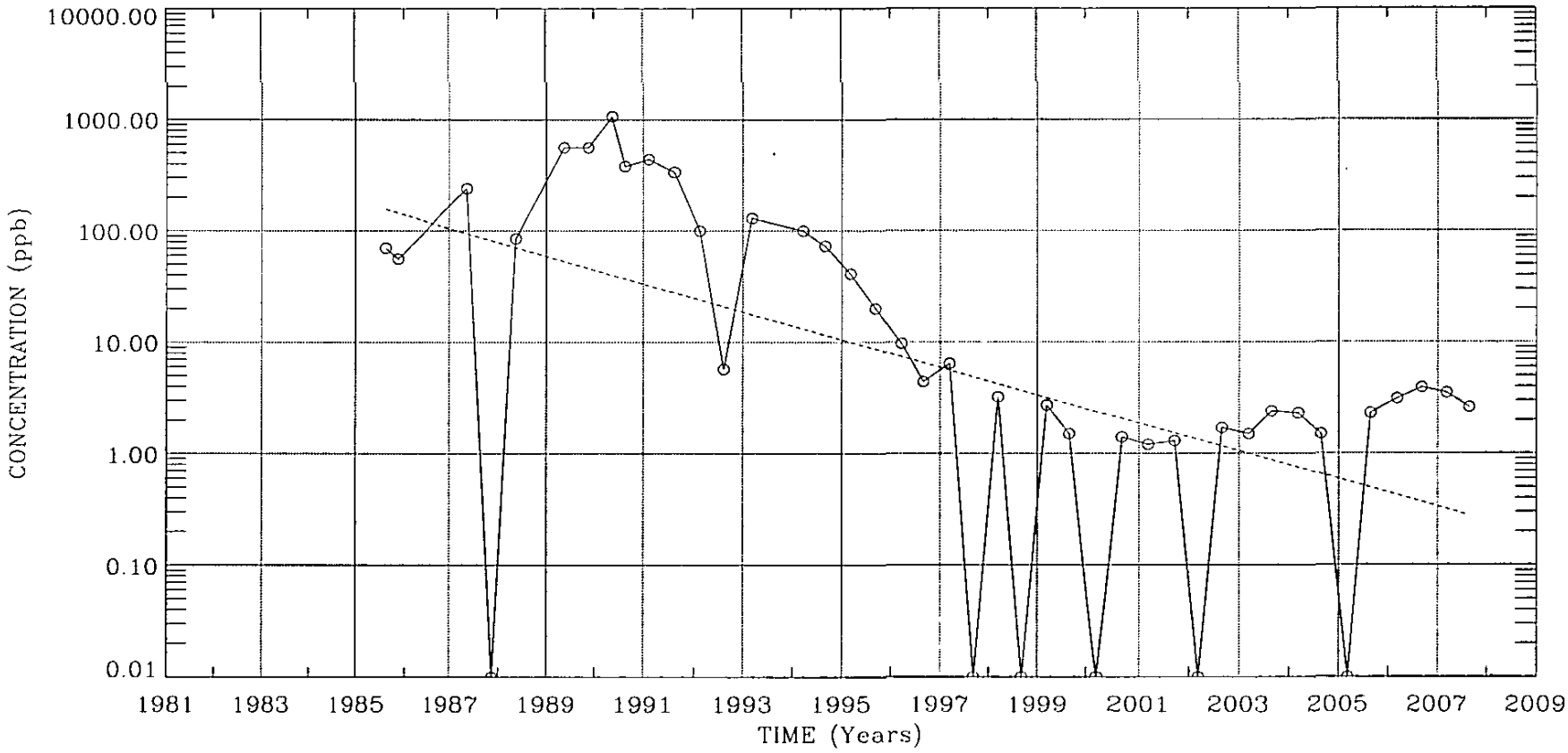

REGRESSION LINE EQUATION: $Y = 9.106E-002e^{0.0261x}$

Well 04A UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



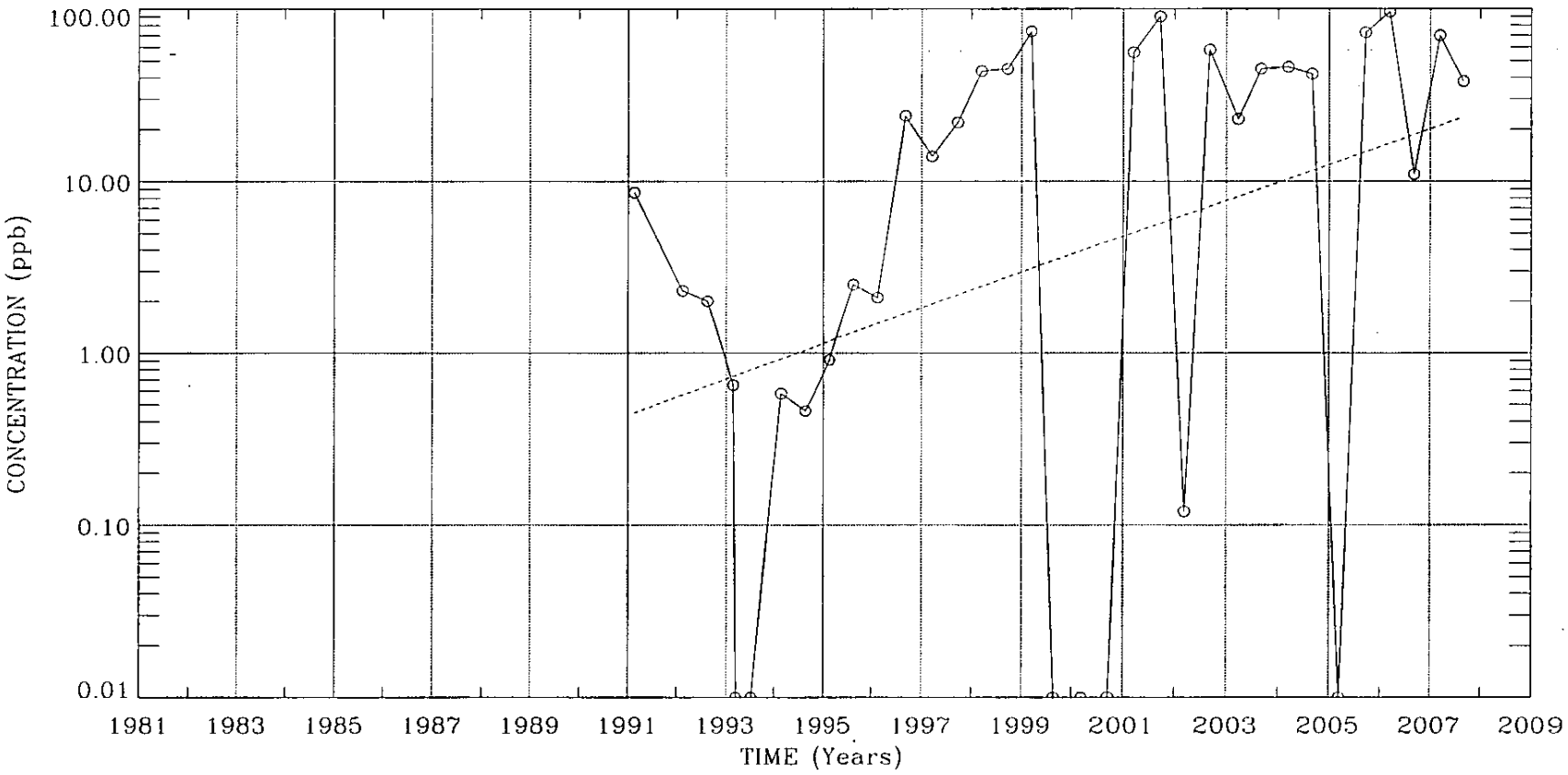

REGRESSION LINE EQUATION: $Y = 1.958E+002e^{-0.0163x}$

Well 04B UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



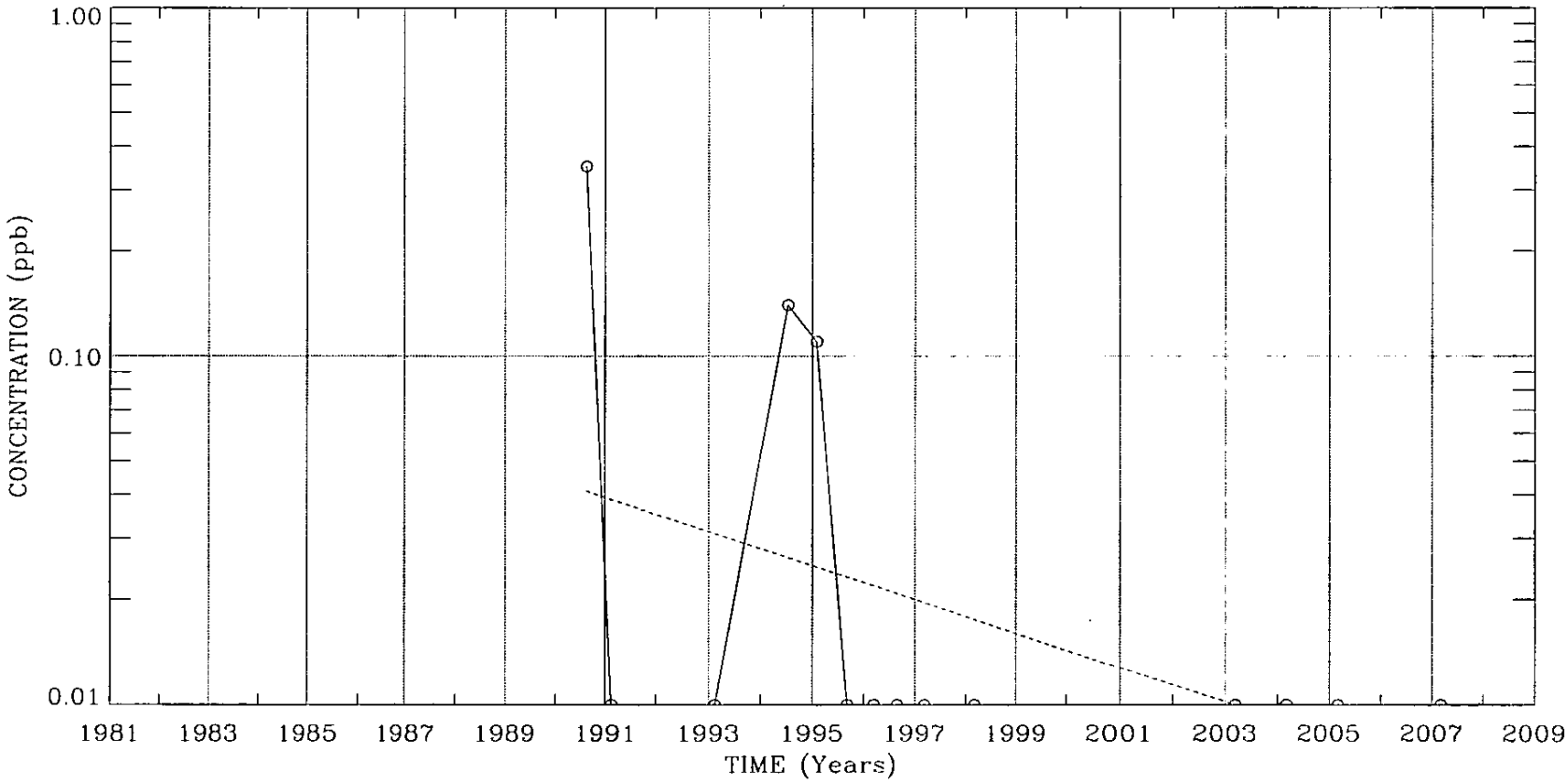

REGRESSION LINE EQUATION: $Y = 7.667E+012e^{-0.2875x}$

Well 04B-1 UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



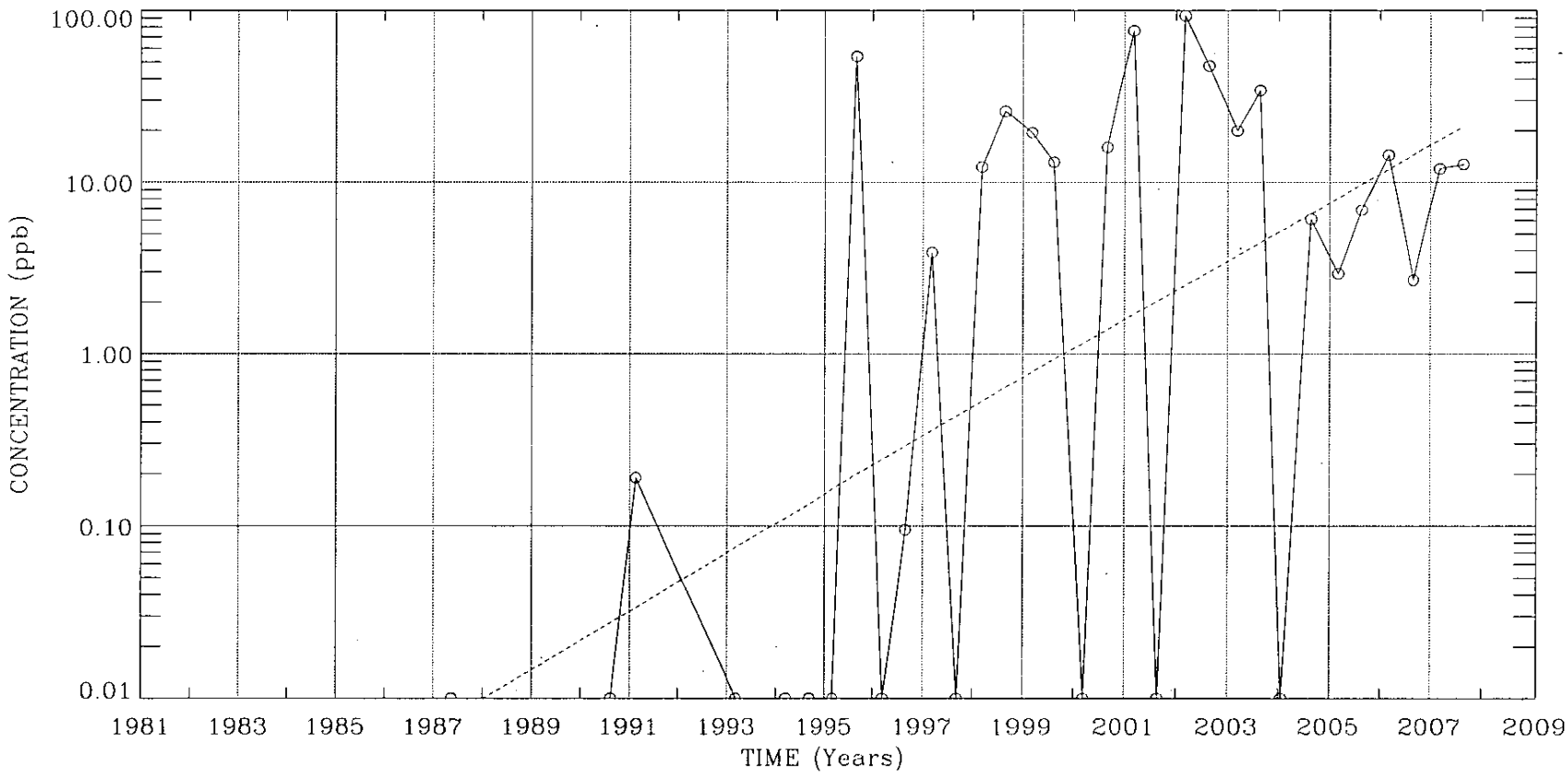

REGRESSION LINE EQUATION: $Y = 1.448E-010e^{0.2398x}$

Well 05AR UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



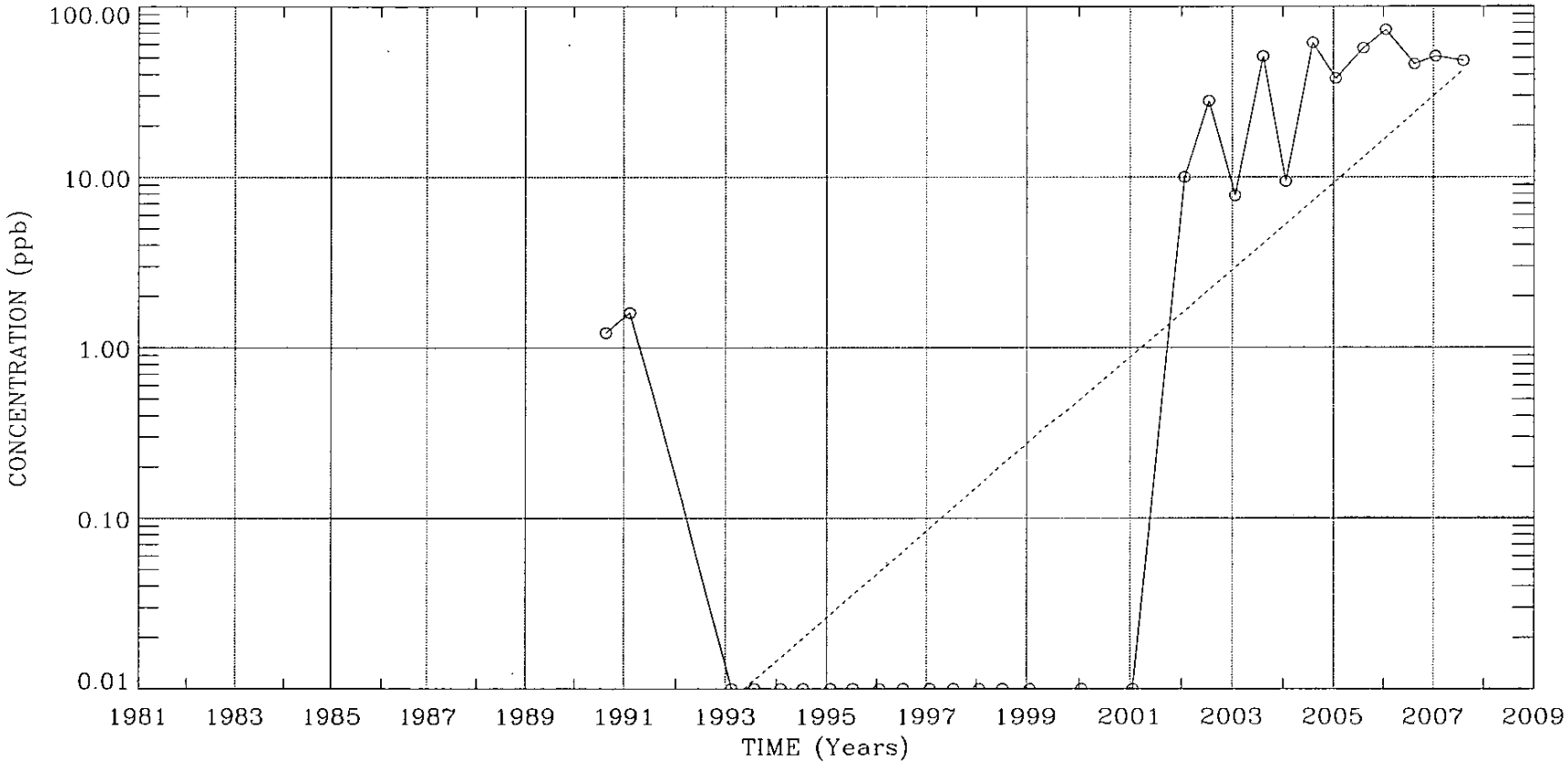

REGRESSION LINE EQUATION: $Y = 1.060E+003e^{-0.1121x}$

Well 05B UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



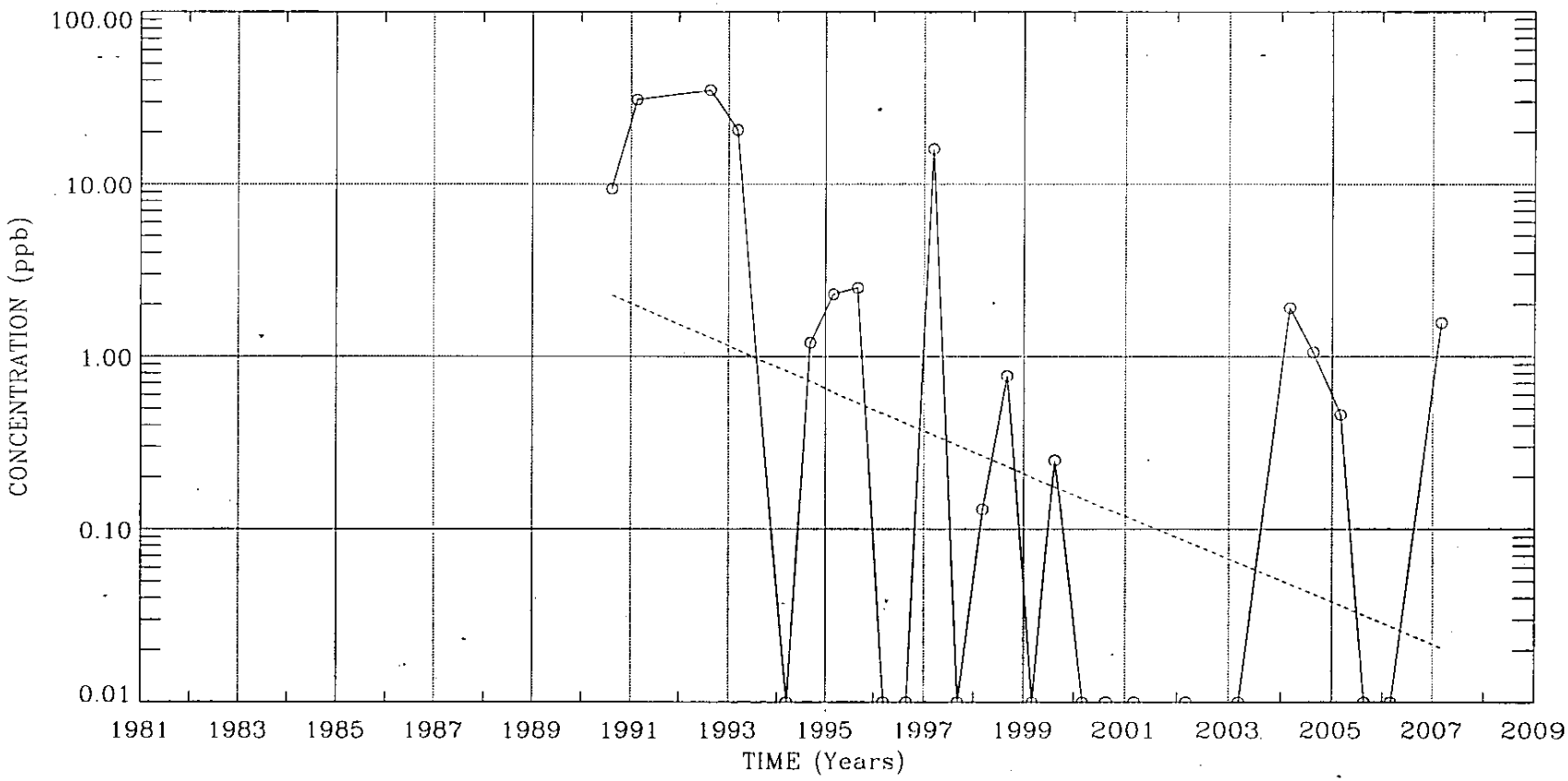

REGRESSION LINE EQUATION: $Y = 1.153E-017e^{0.3907x}$

Well 05B-1 UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



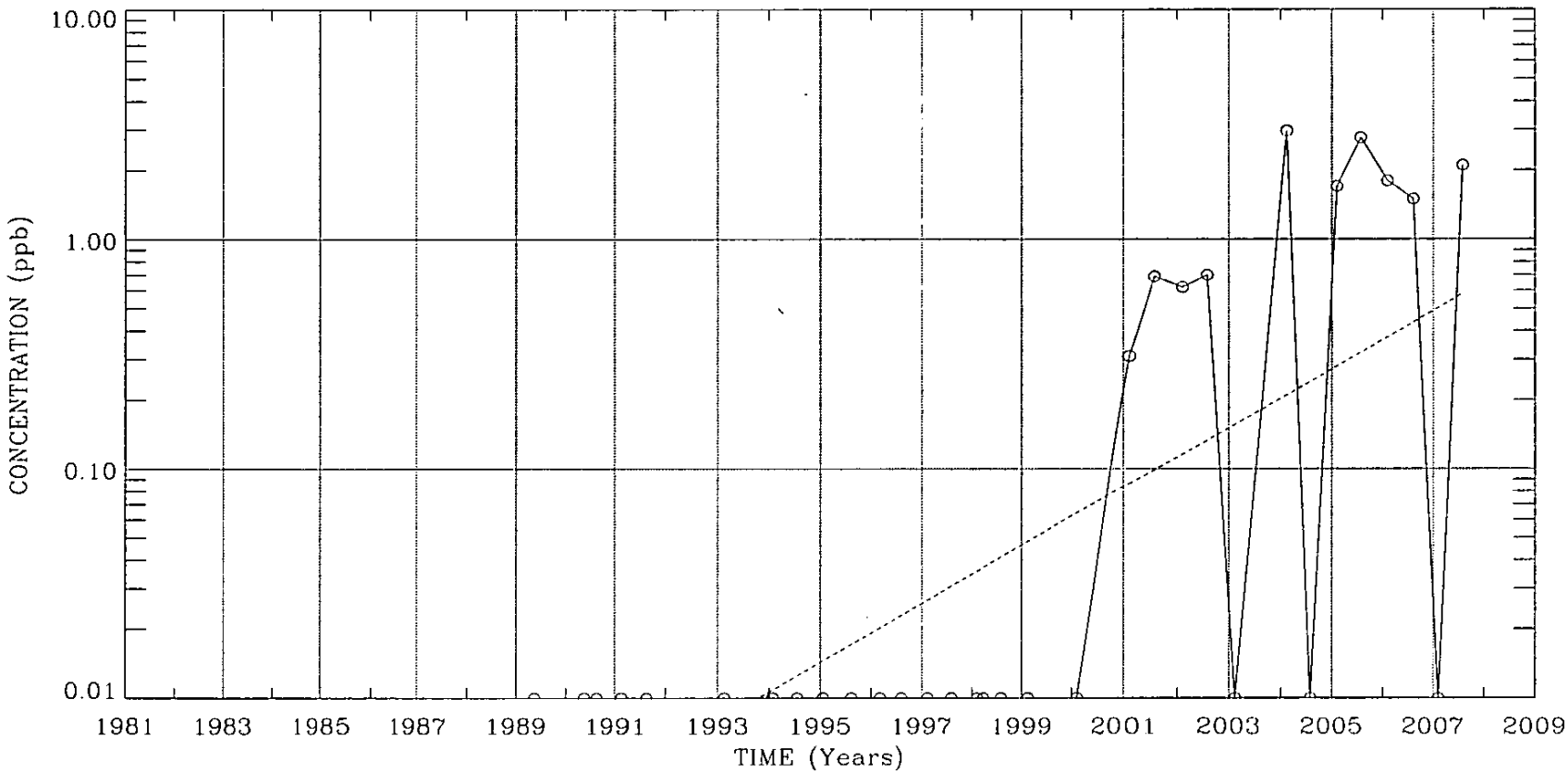

REGRESSION LINE EQUATION: $Y = 1.573E-026e^{0.5870x}$

Well 05B-2 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



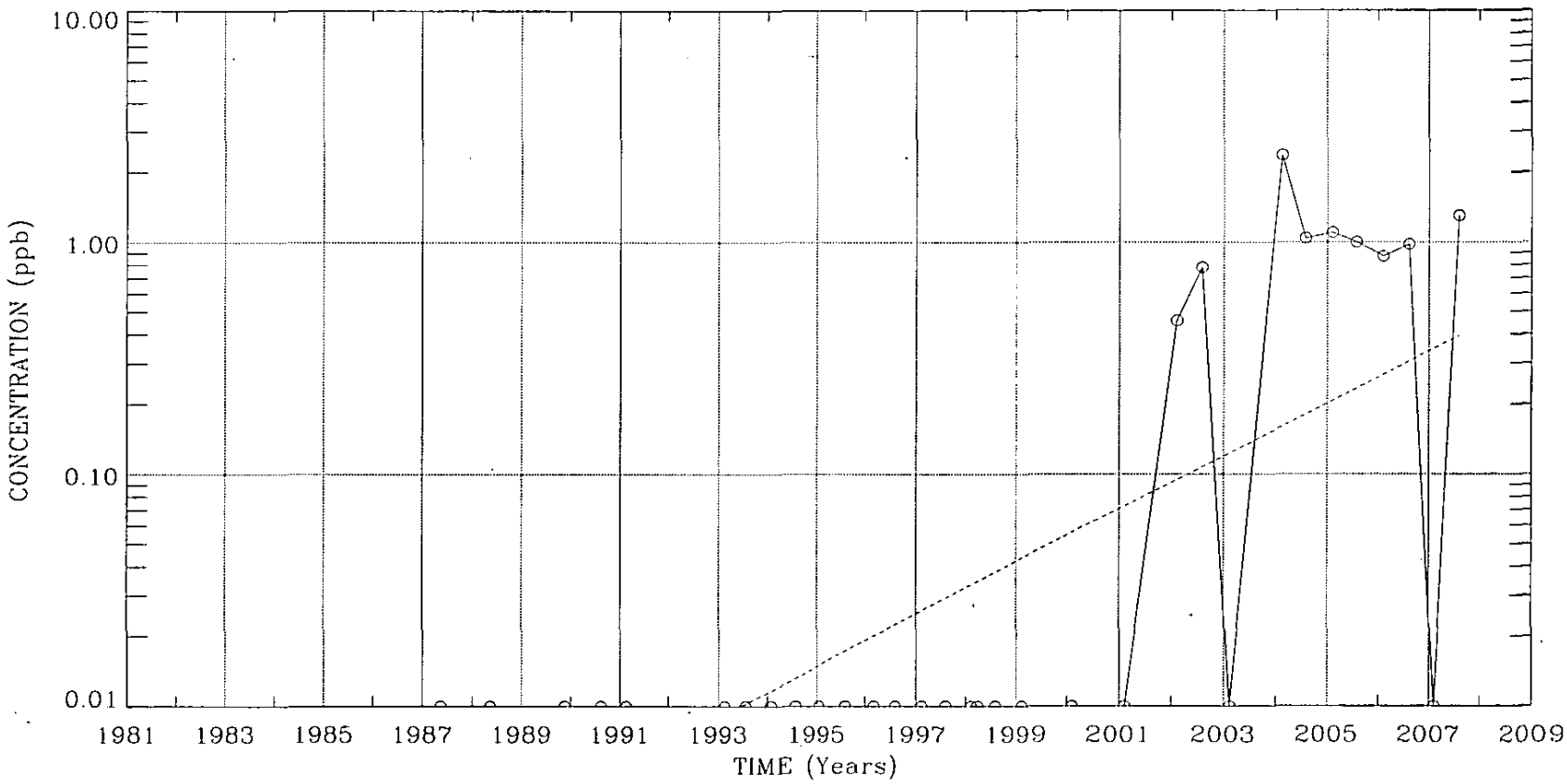

REGRESSION LINE EQUATION: $Y = 3.411E+011e^{-0.2840x}$

Well 06A UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



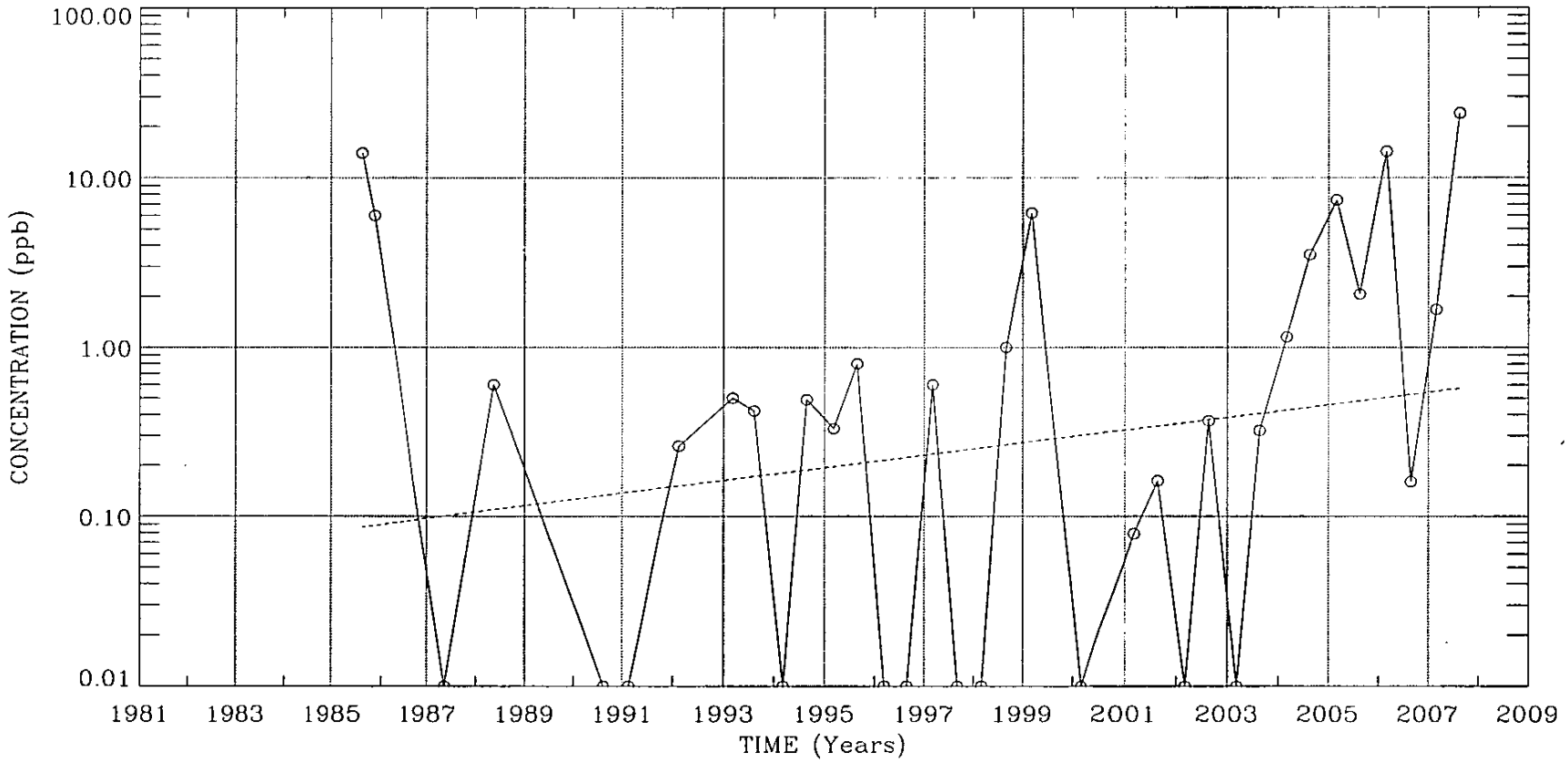

REGRESSION LINE EQUATION: $Y = 1.028E-014e^{0.2943x}$

Well 06B UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



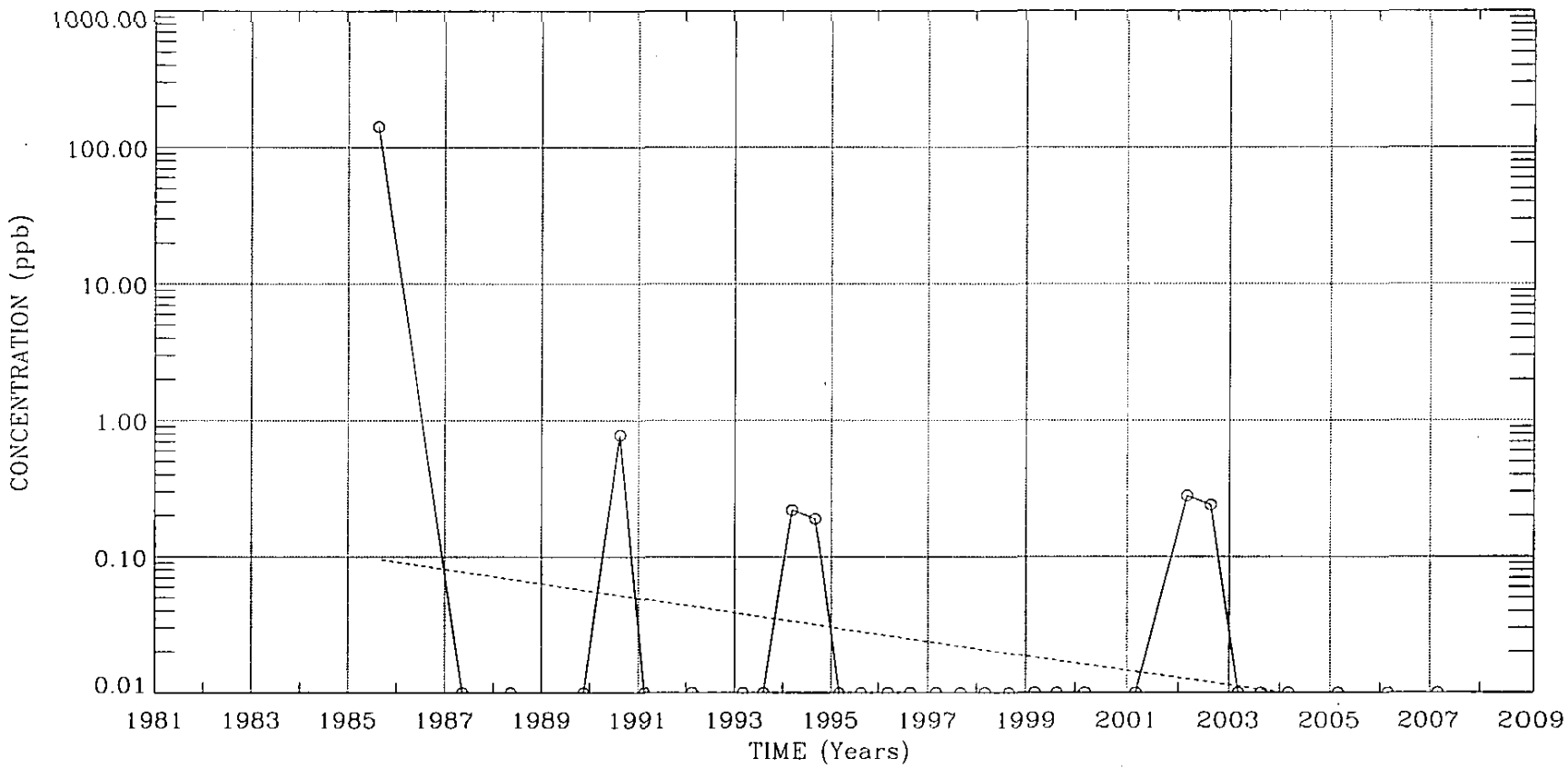

REGRESSION LINE EQUATION: $Y = 2.625E-013e^{0.2606x}$

Well 07B UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



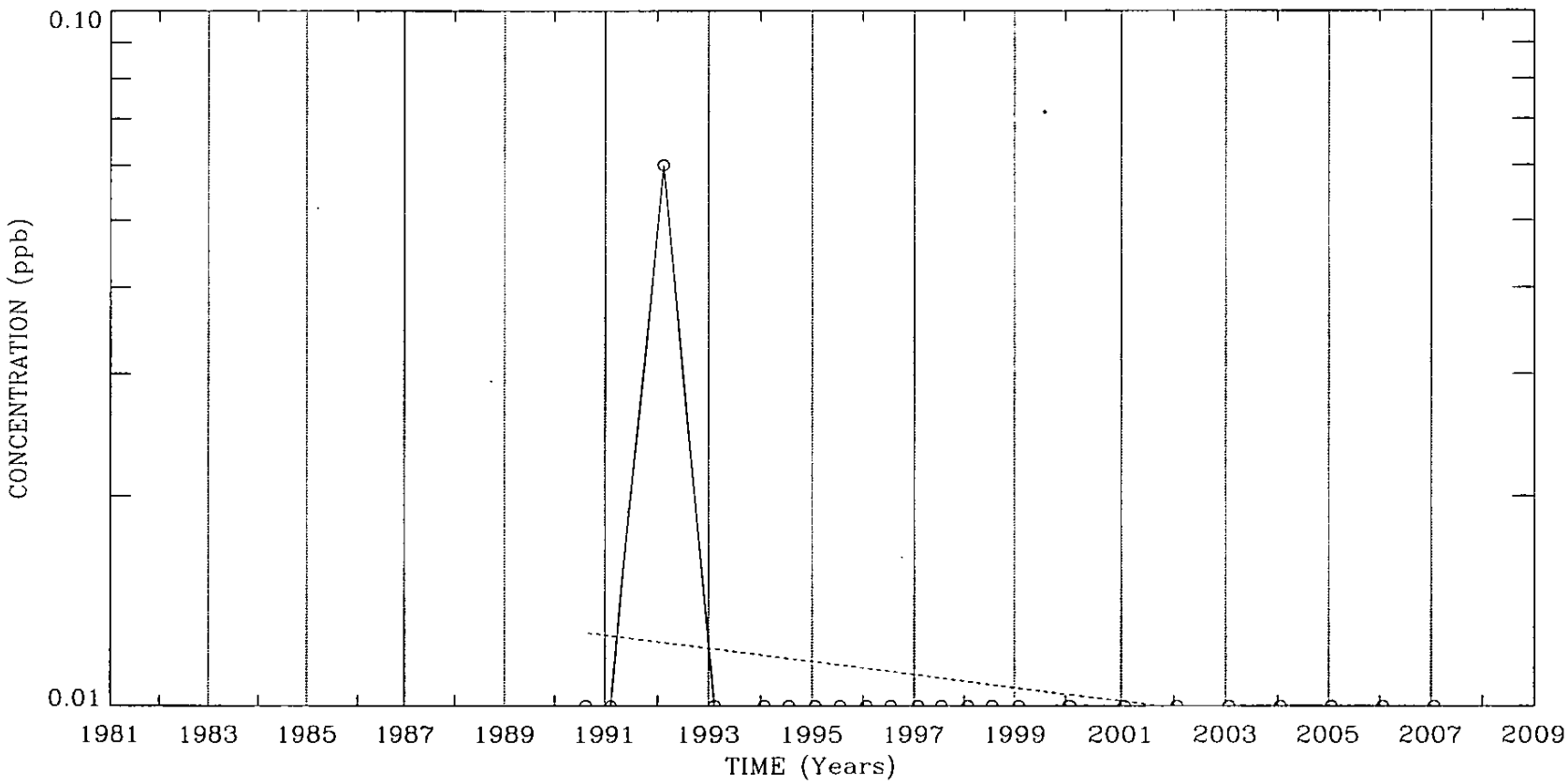

REGRESSION LINE EQUATION: $Y = 5.536E-005e^{0.0859x}$

Well 08B UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



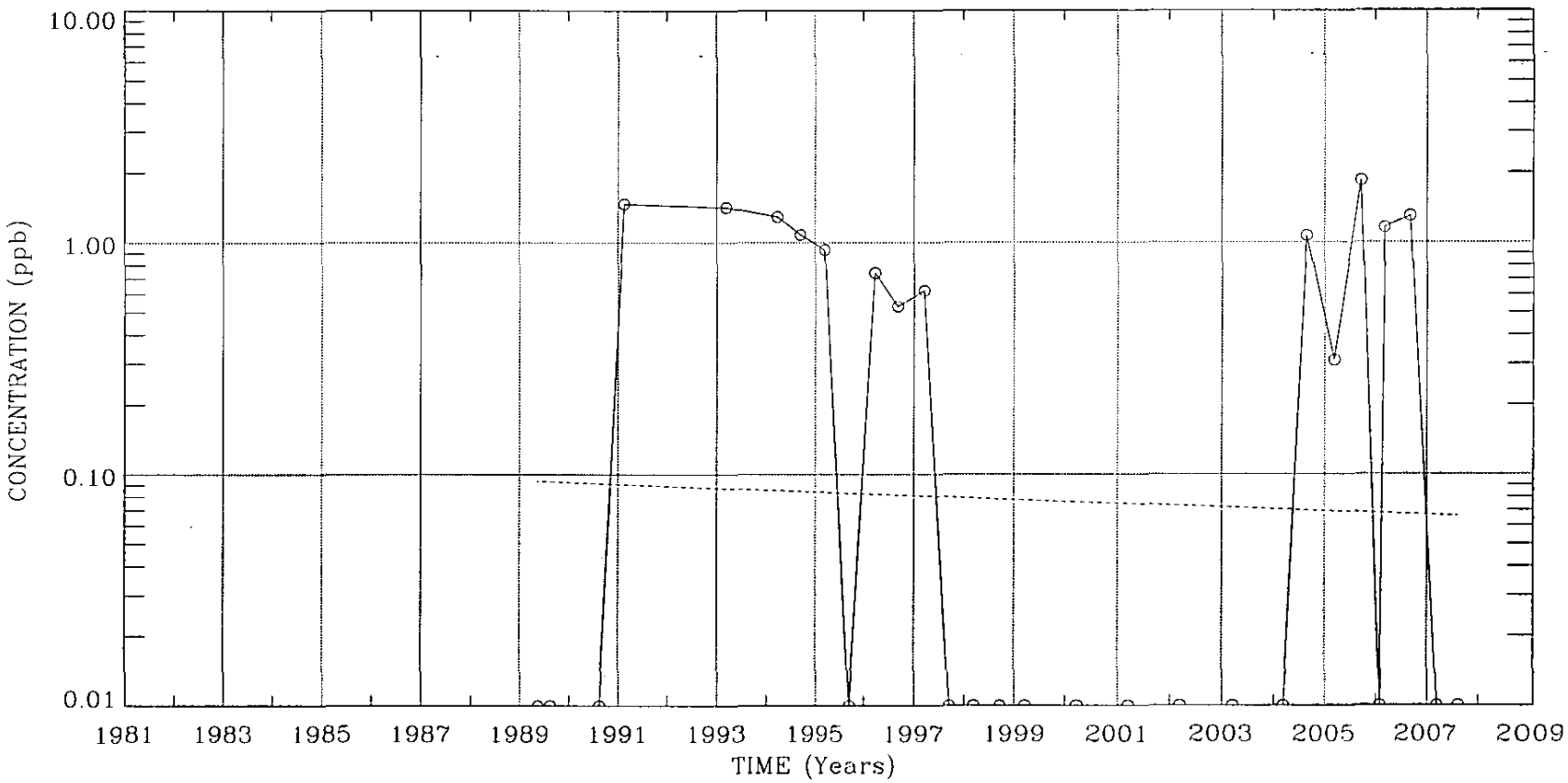

REGRESSION LINE EQUATION: $Y = 3.419E+003e^{-0.1224x}$

Well 08B-2 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



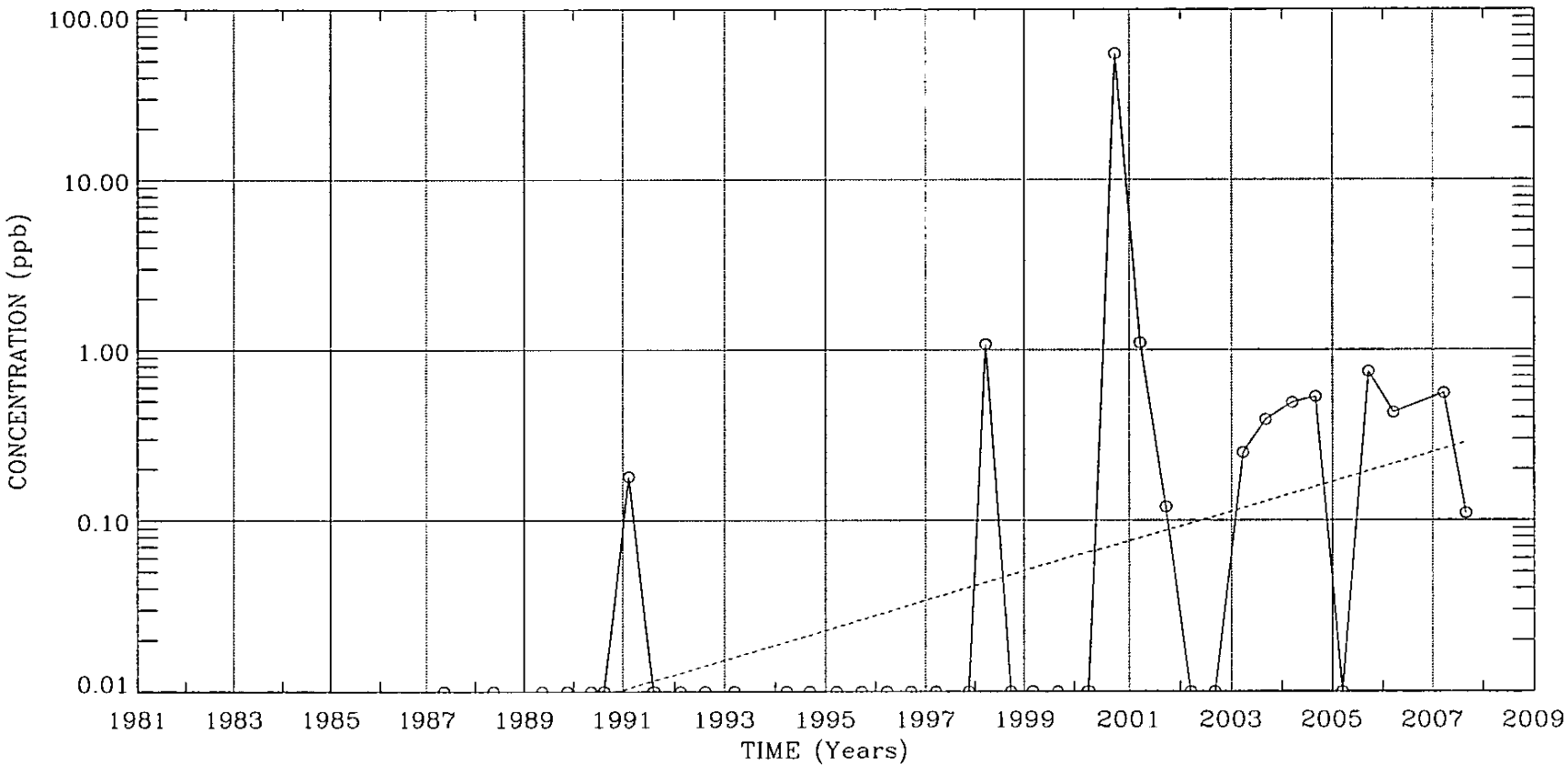

REGRESSION LINE EQUATION: $Y = 9.065E-002e^{-0.0217x}$

Well 09A UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



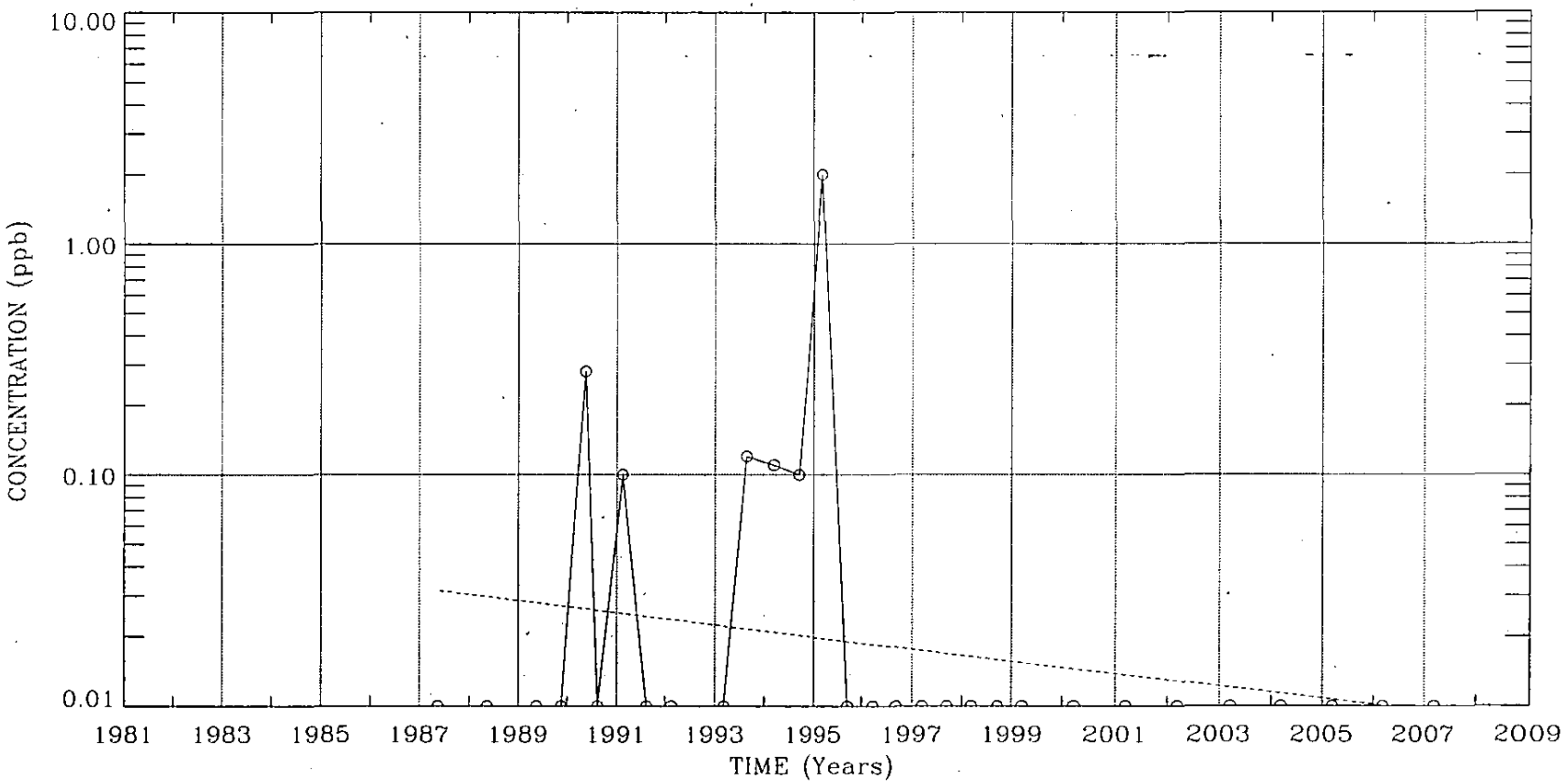

REGRESSION LINE EQUATION: $Y = 5.142E-001e^{-0.0191x}$

Well 10A UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



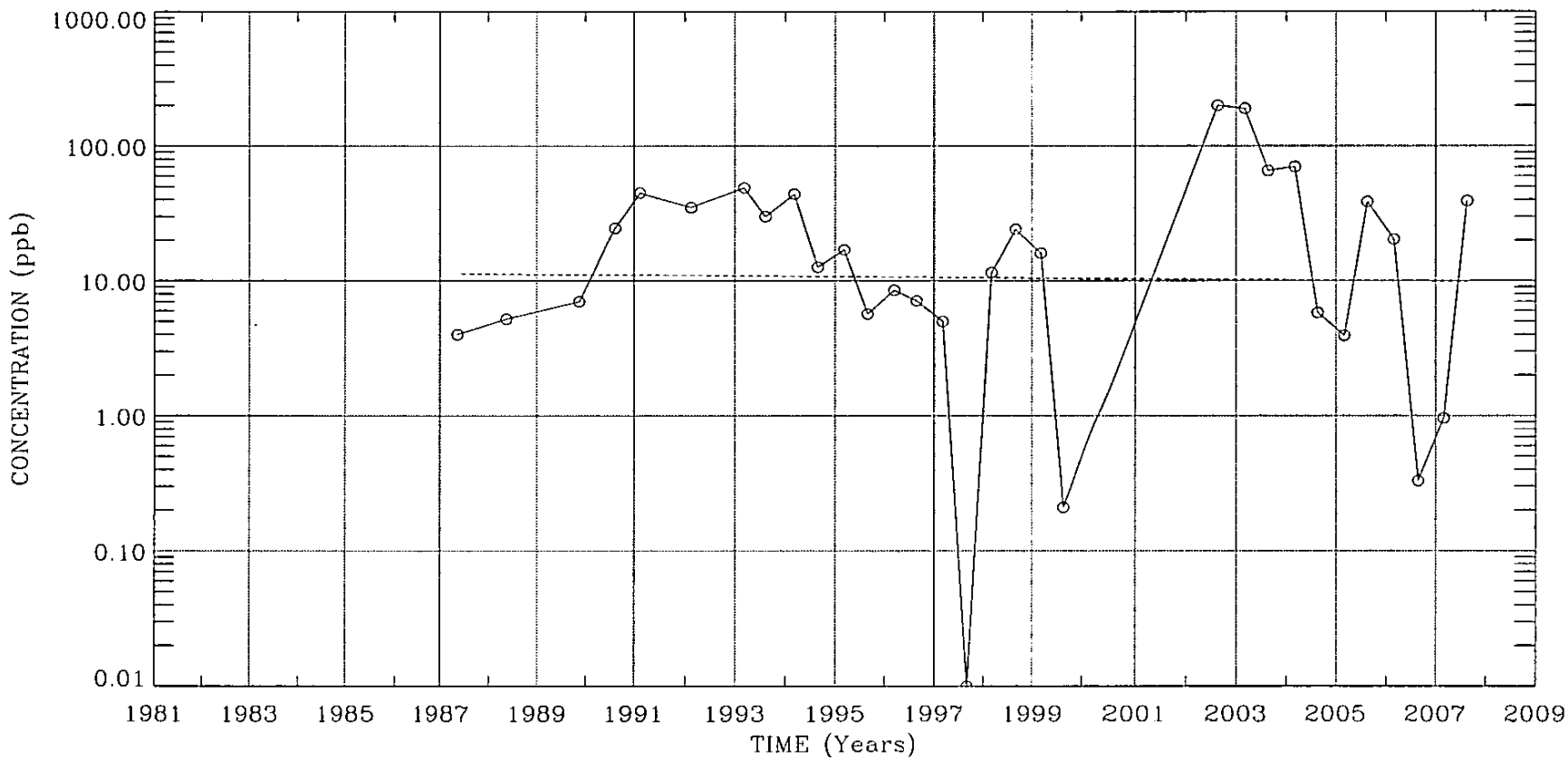

REGRESSION LINE EQUATION: $Y = 1.262E-010e^{0.2001x}$

Well 11A UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



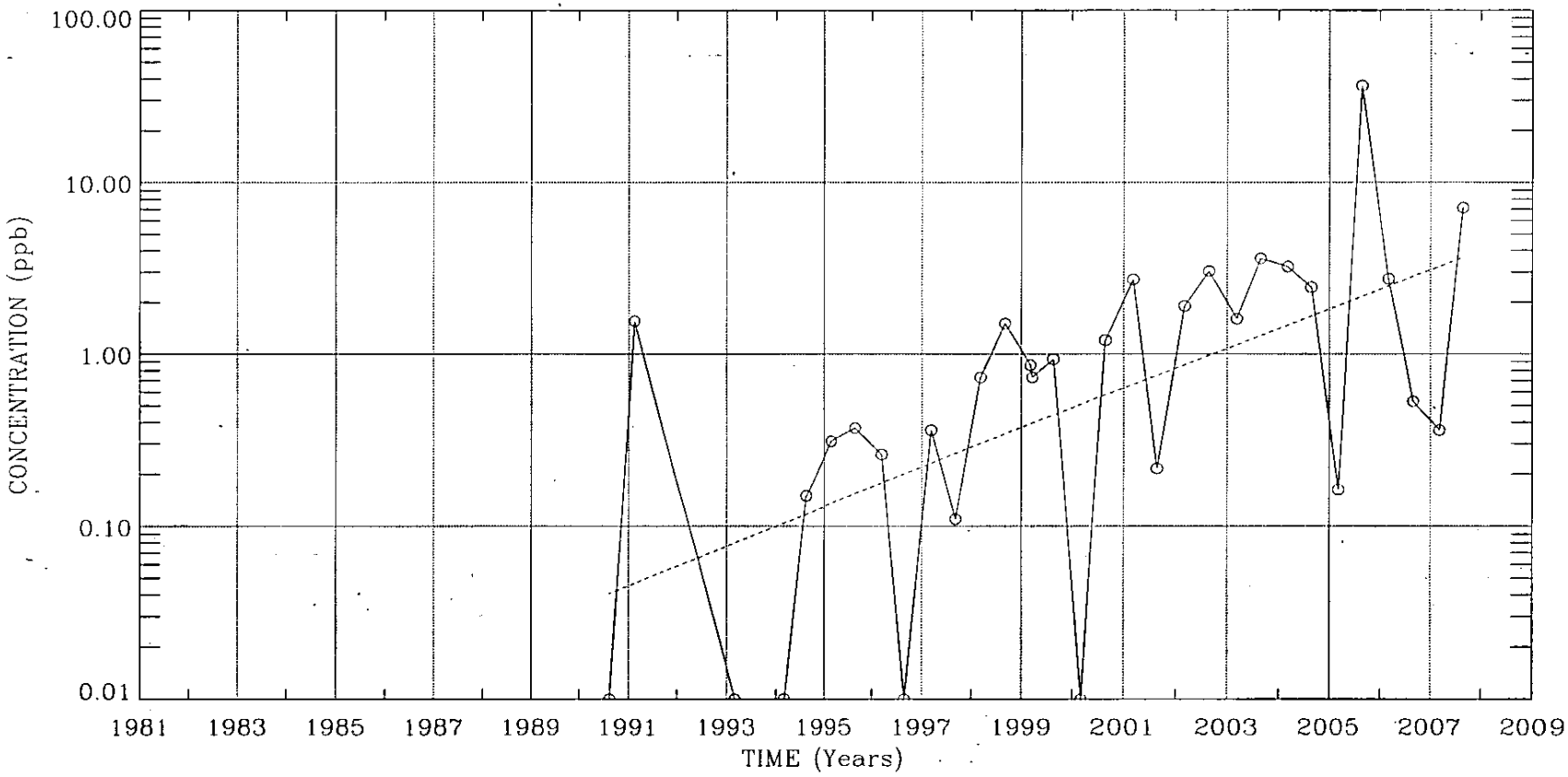

REGRESSION LINE EQUATION: $Y = 6.352E+000e^{-0.0807x}$

Well 12A UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



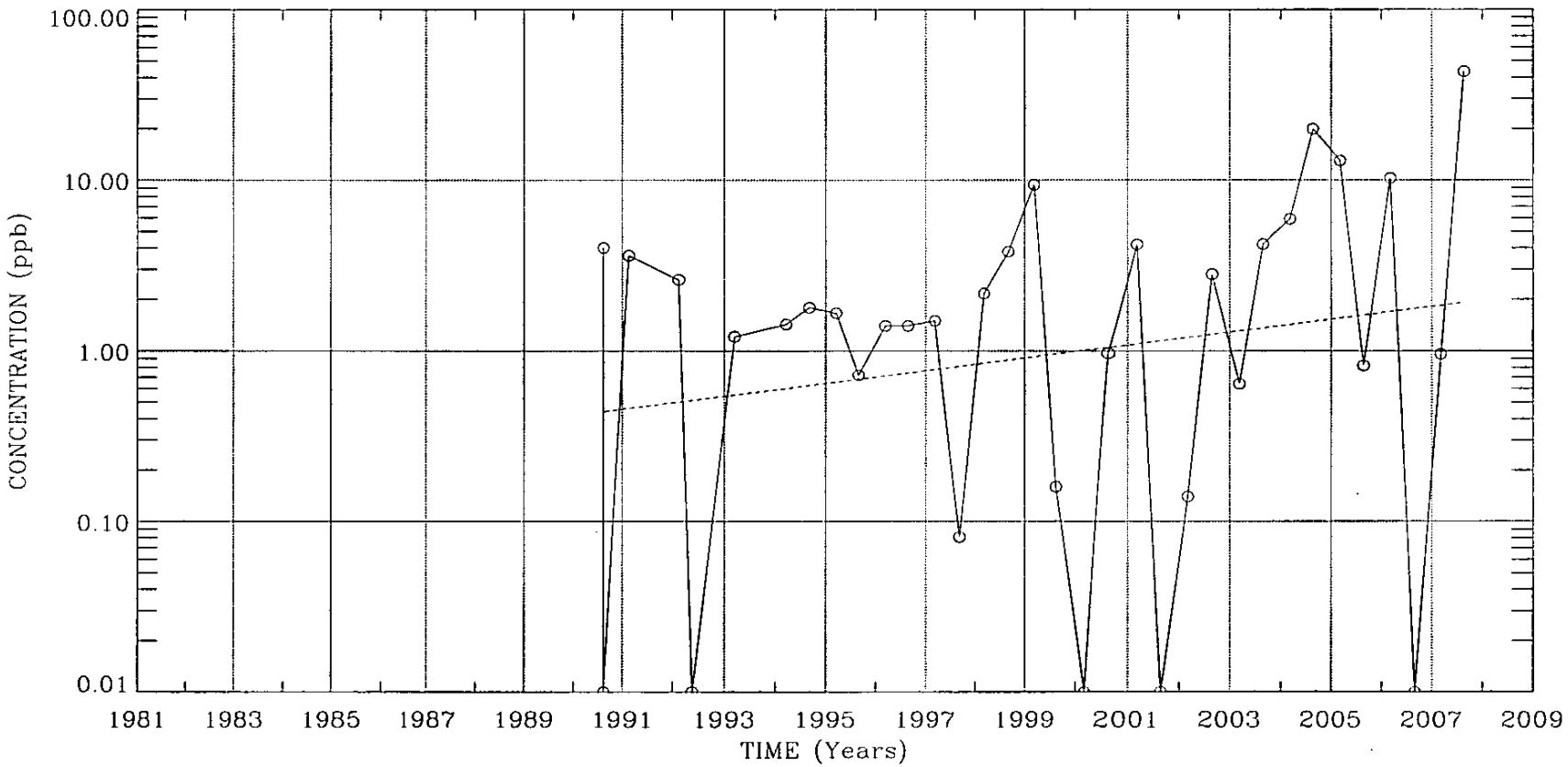

REGRESSION LINE EQUATION: $Y = 1.929E+001e^{-0.0062x}$

Well 13AR UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



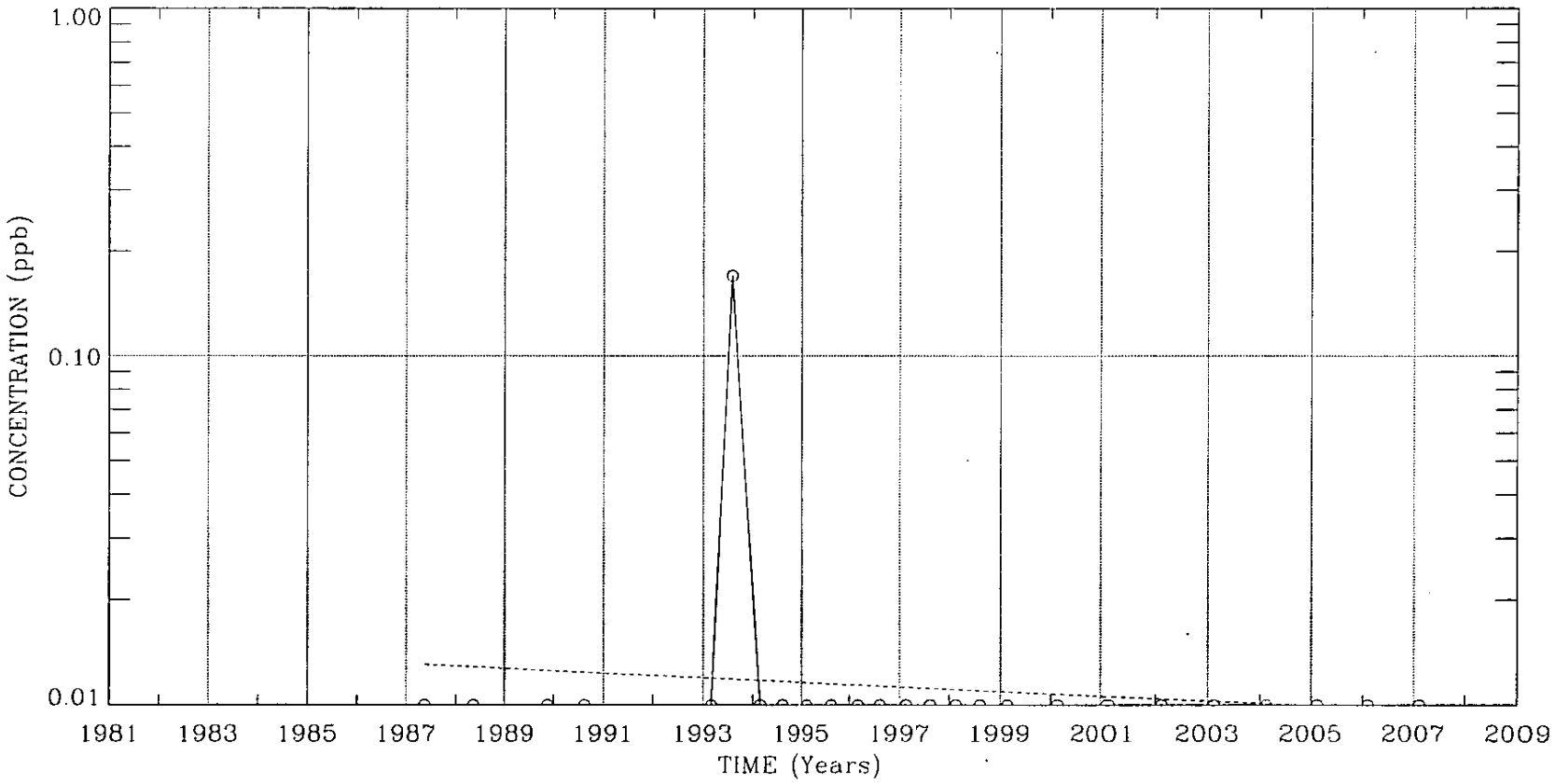

REGRESSION LINE EQUATION: $Y = 1.653E-012e^{0.2641x}$

Well 13B-1 UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



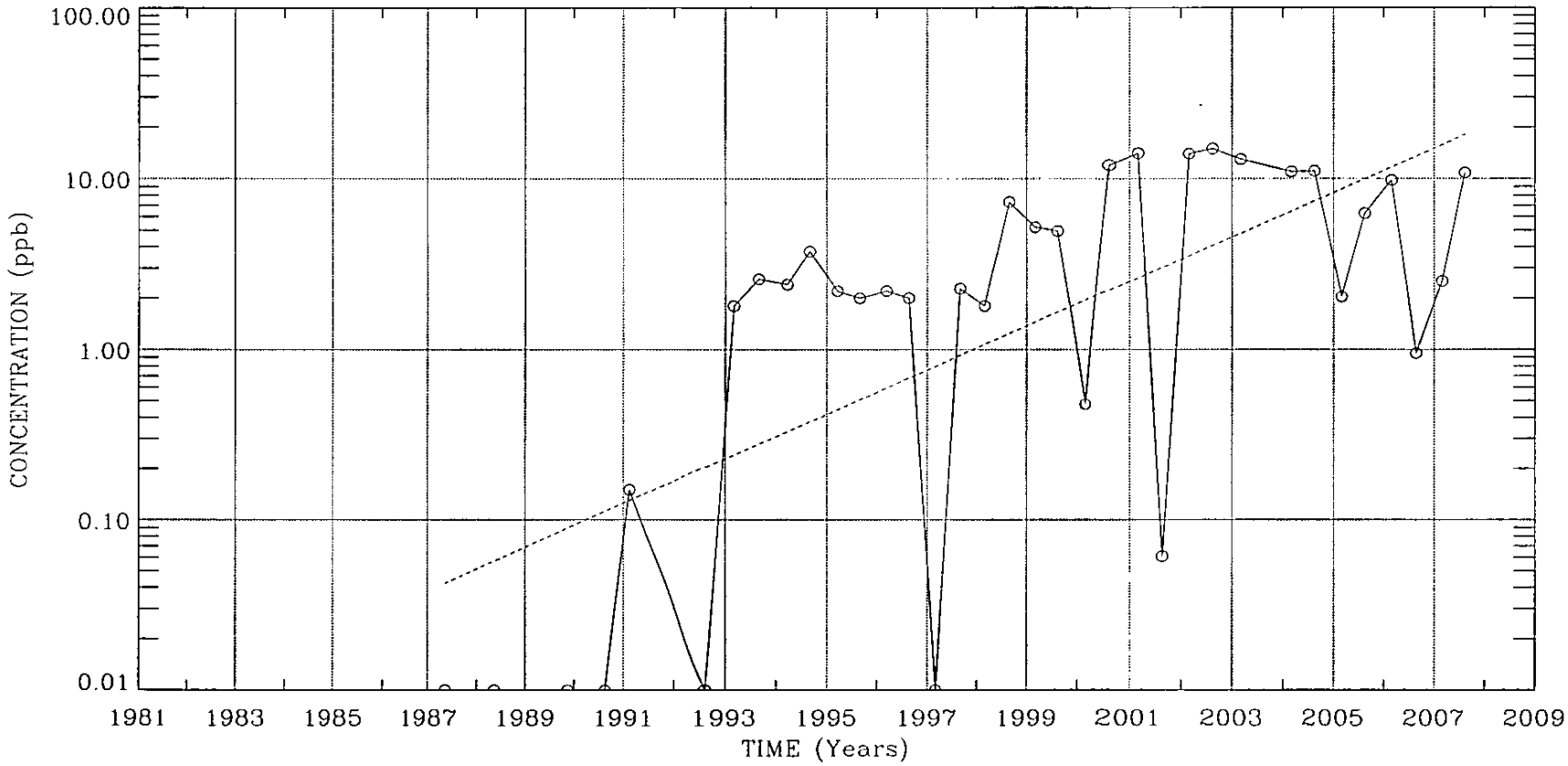

REGRESSION LINE EQUATION: $Y = 1.710E-004e^{0.0867x}$

Well 17B-2 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



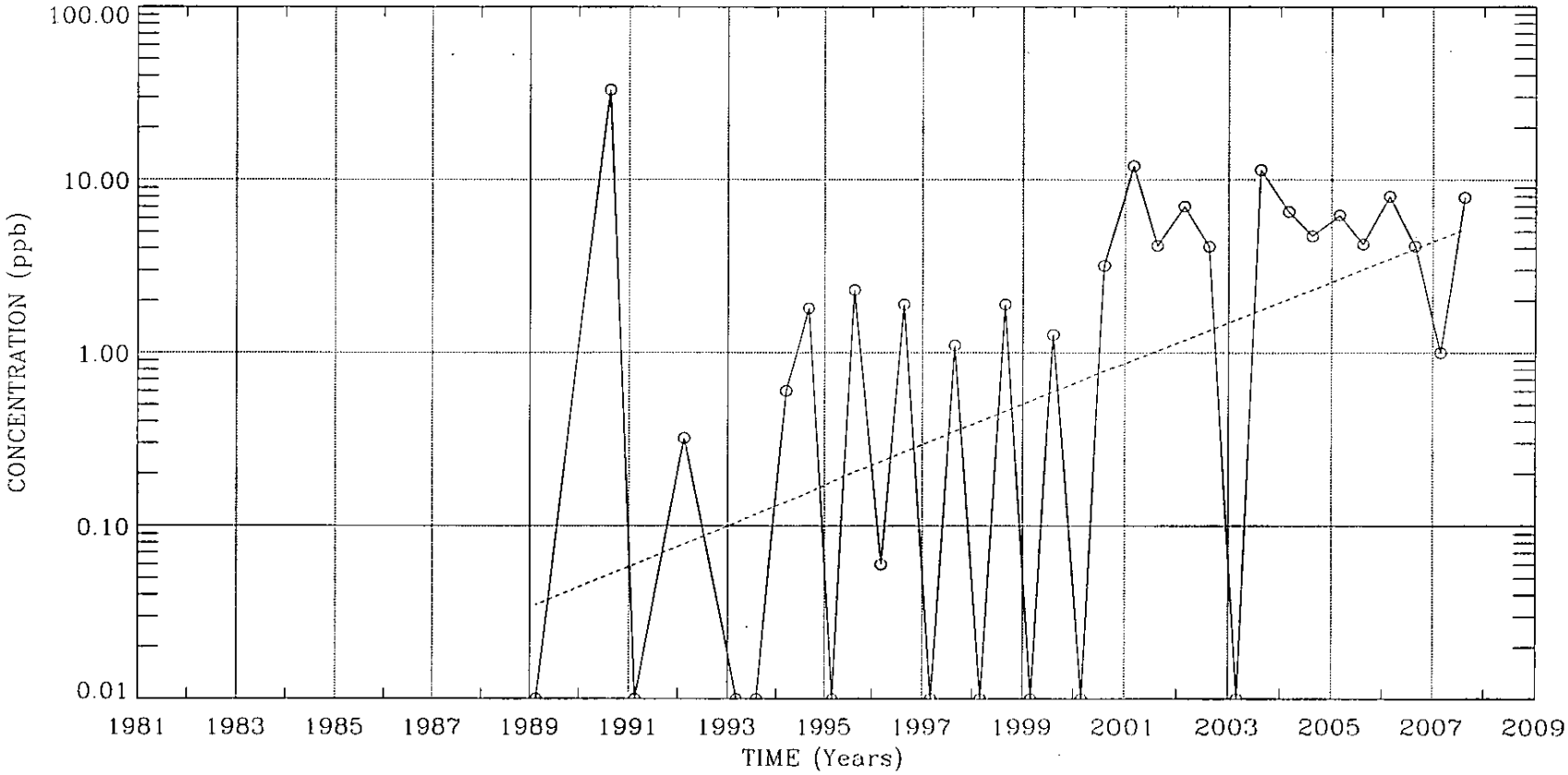

REGRESSION LINE EQUATION: $Y = 4.989E-002e^{-0.0153x}$

Well 20A UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



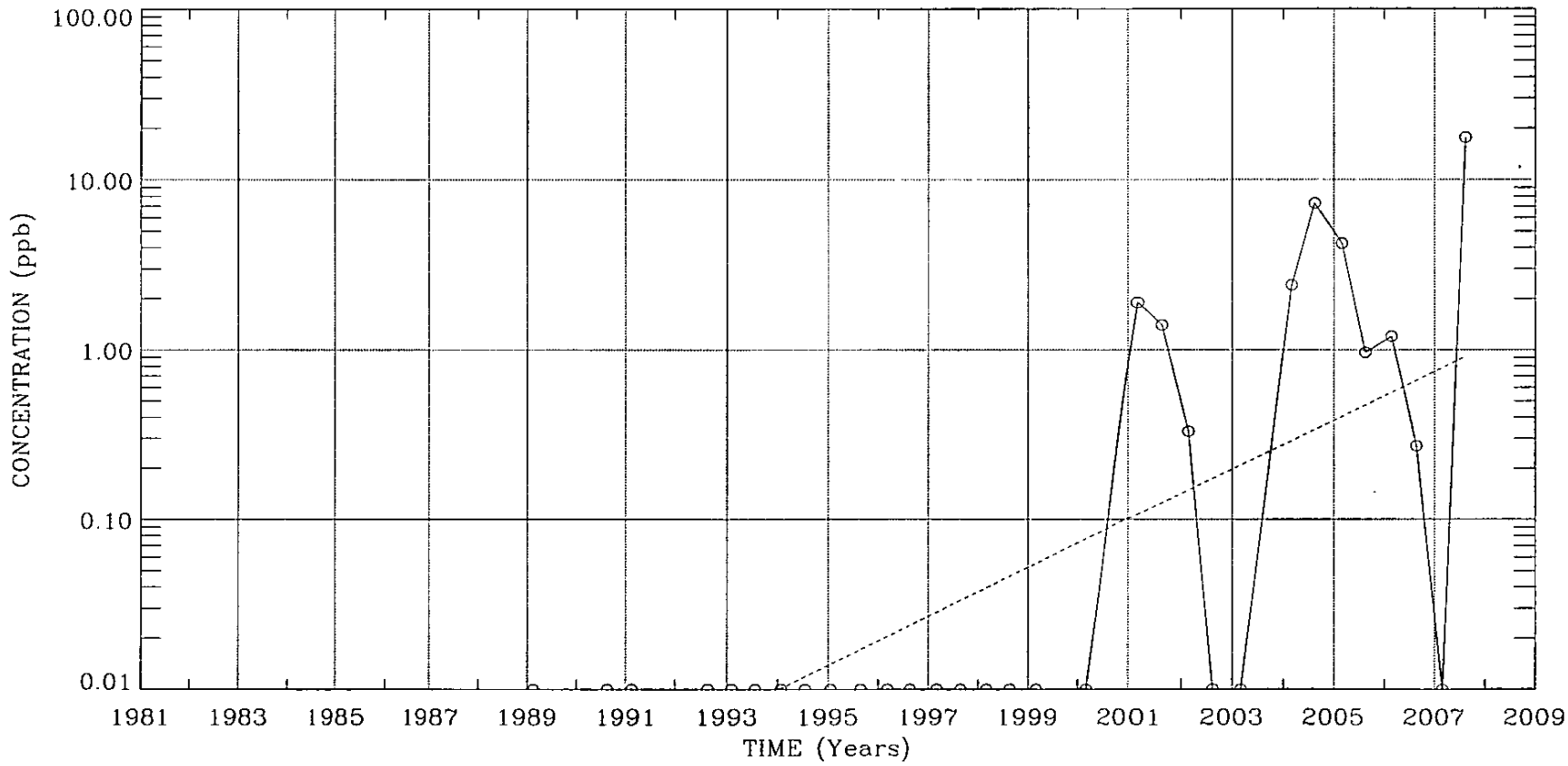

REGRESSION LINE EQUATION: $Y = 1.867E-013e^{0.2993x}$

Well 21A UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



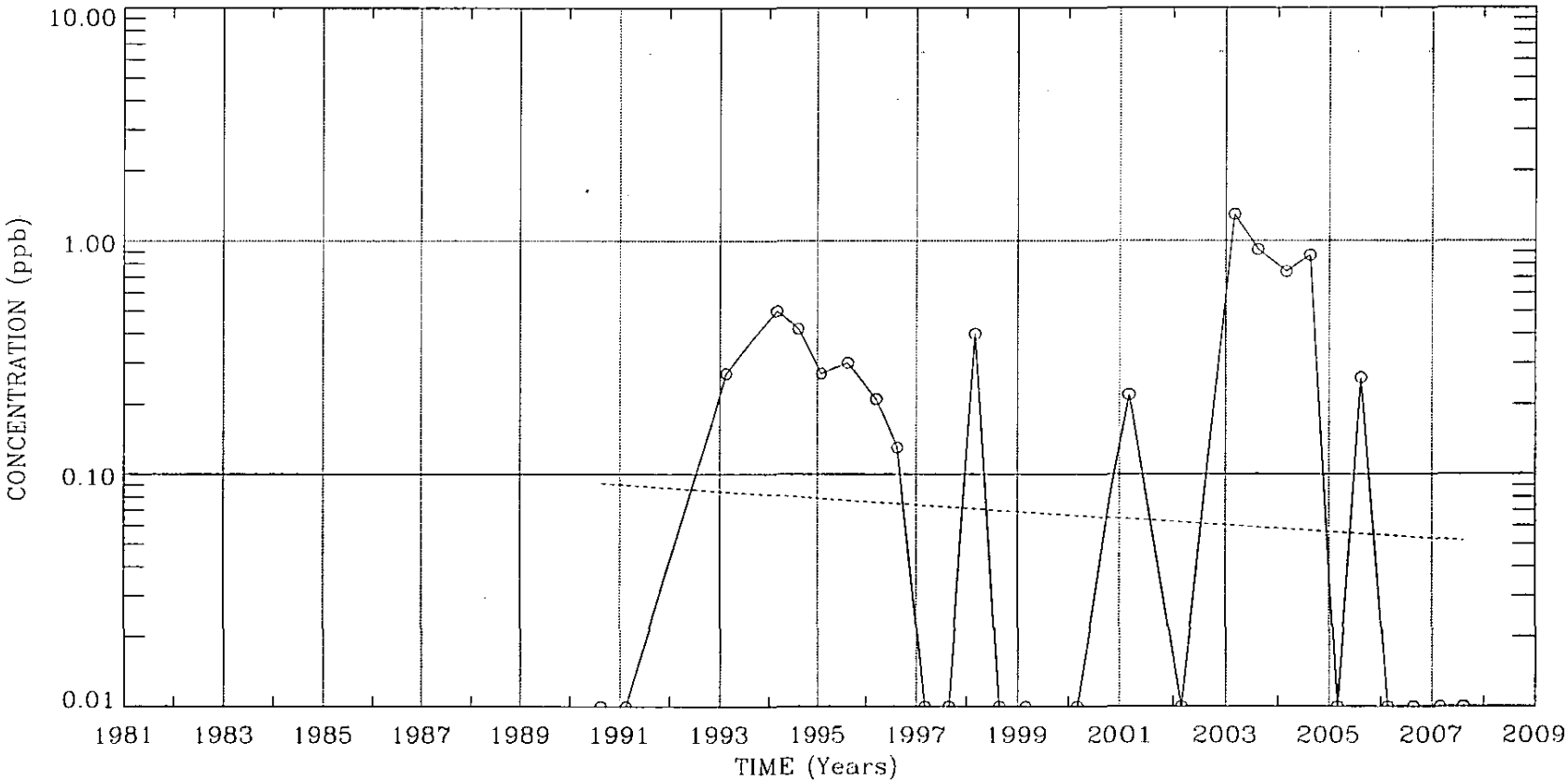

REGRESSION LINE EQUATION: $Y = 1.223E-012e^{0.2702x}$

Well 21B-1 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



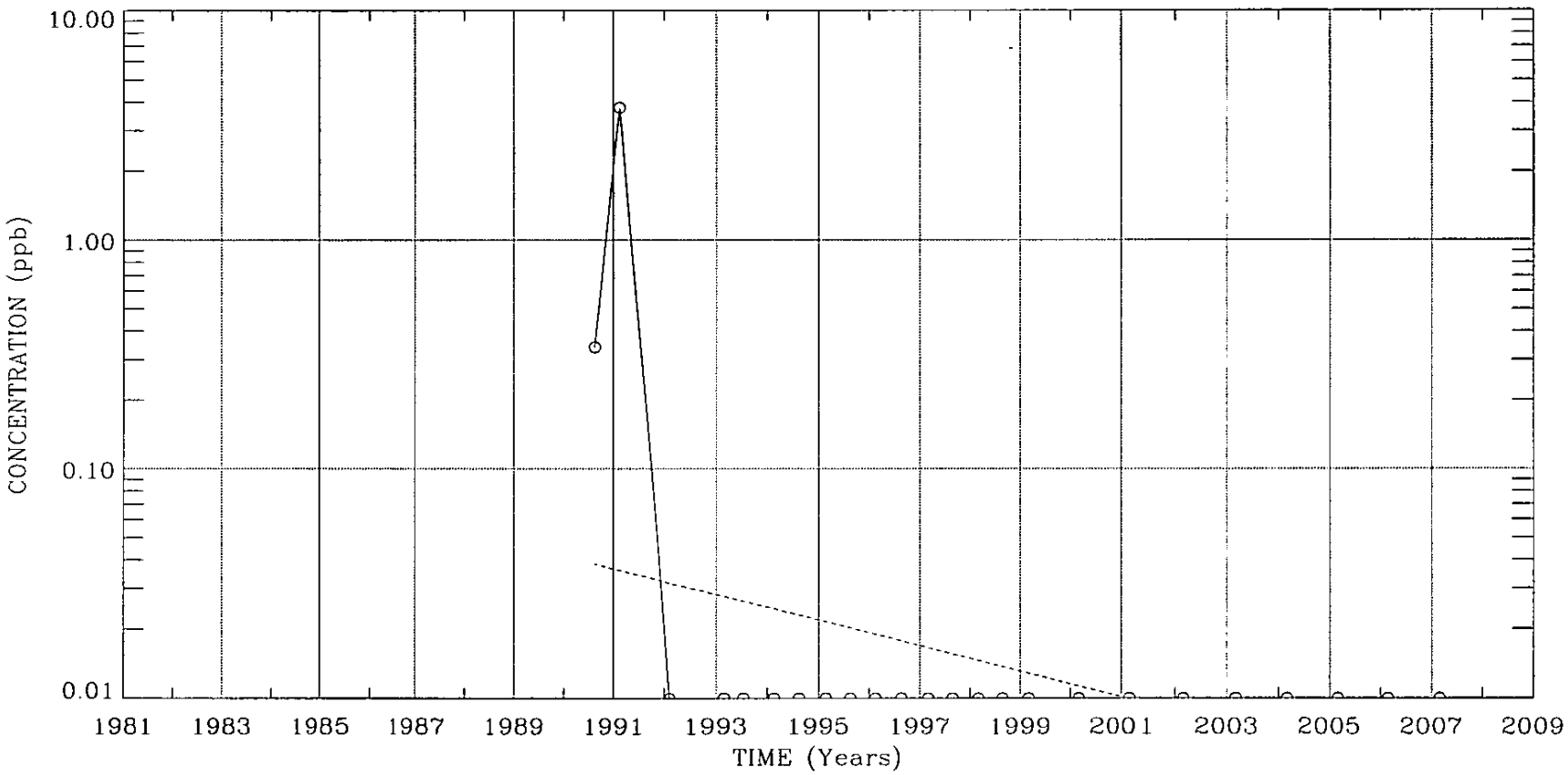

REGRESSION LINE EQUATION: $Y = 2.754E-016e^{0.3321x}$

Well 23A UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



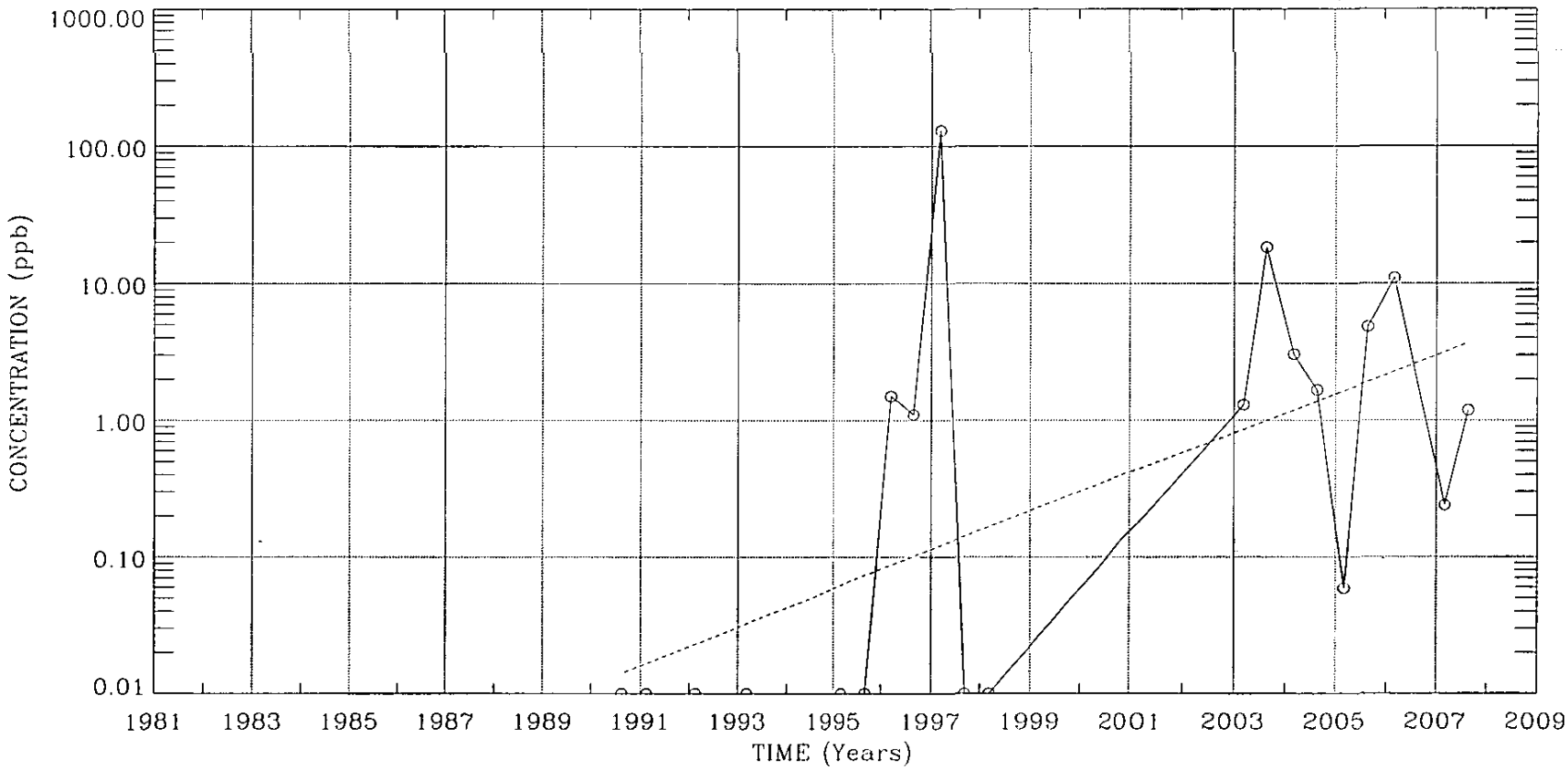

REGRESSION LINE EQUATION: $Y = 1.865E+000e^{-0.0333x}$

Well 23B-1 UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



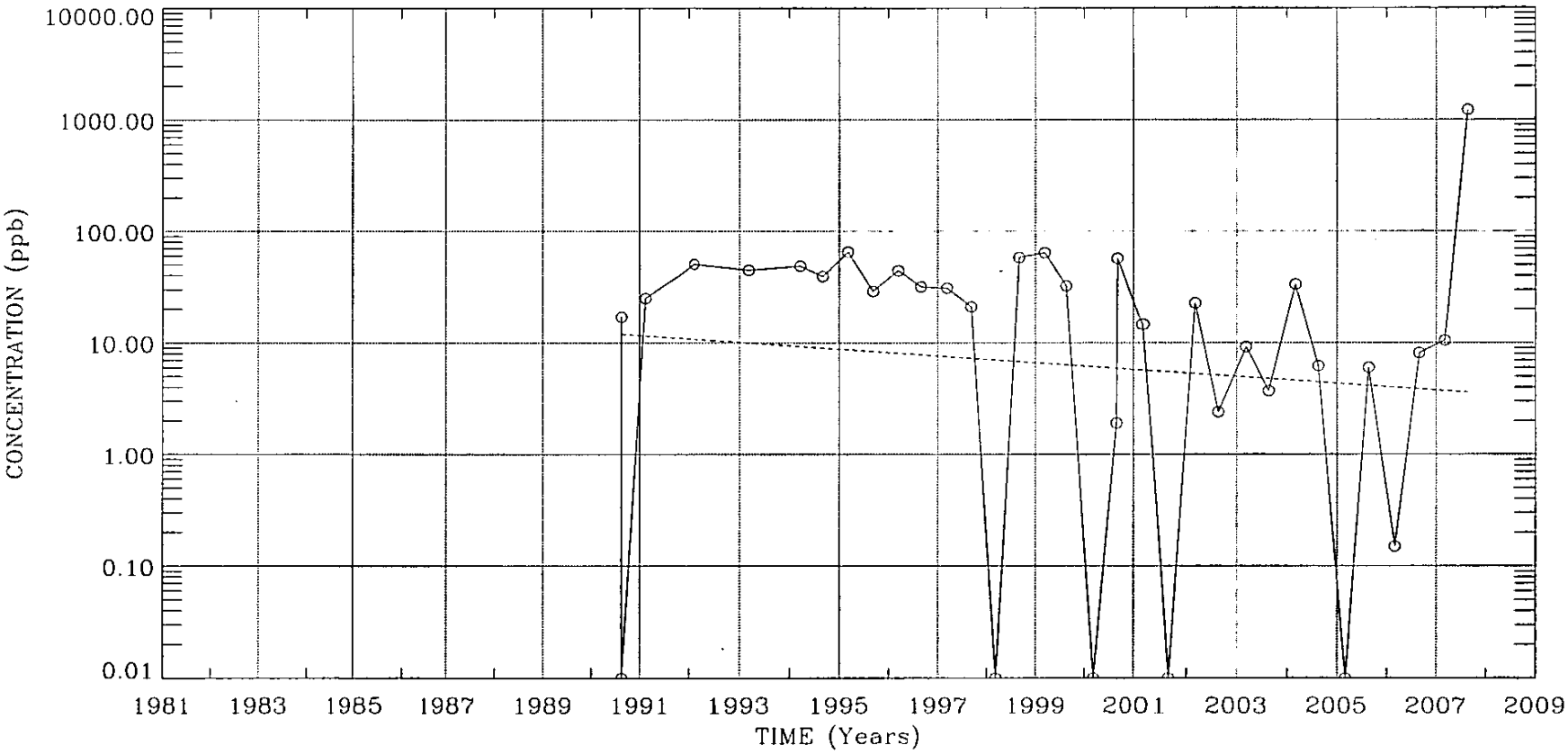

REGRESSION LINE EQUATION: $Y = 4.083E+003e^{-0.1278x}$

Well 24A UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



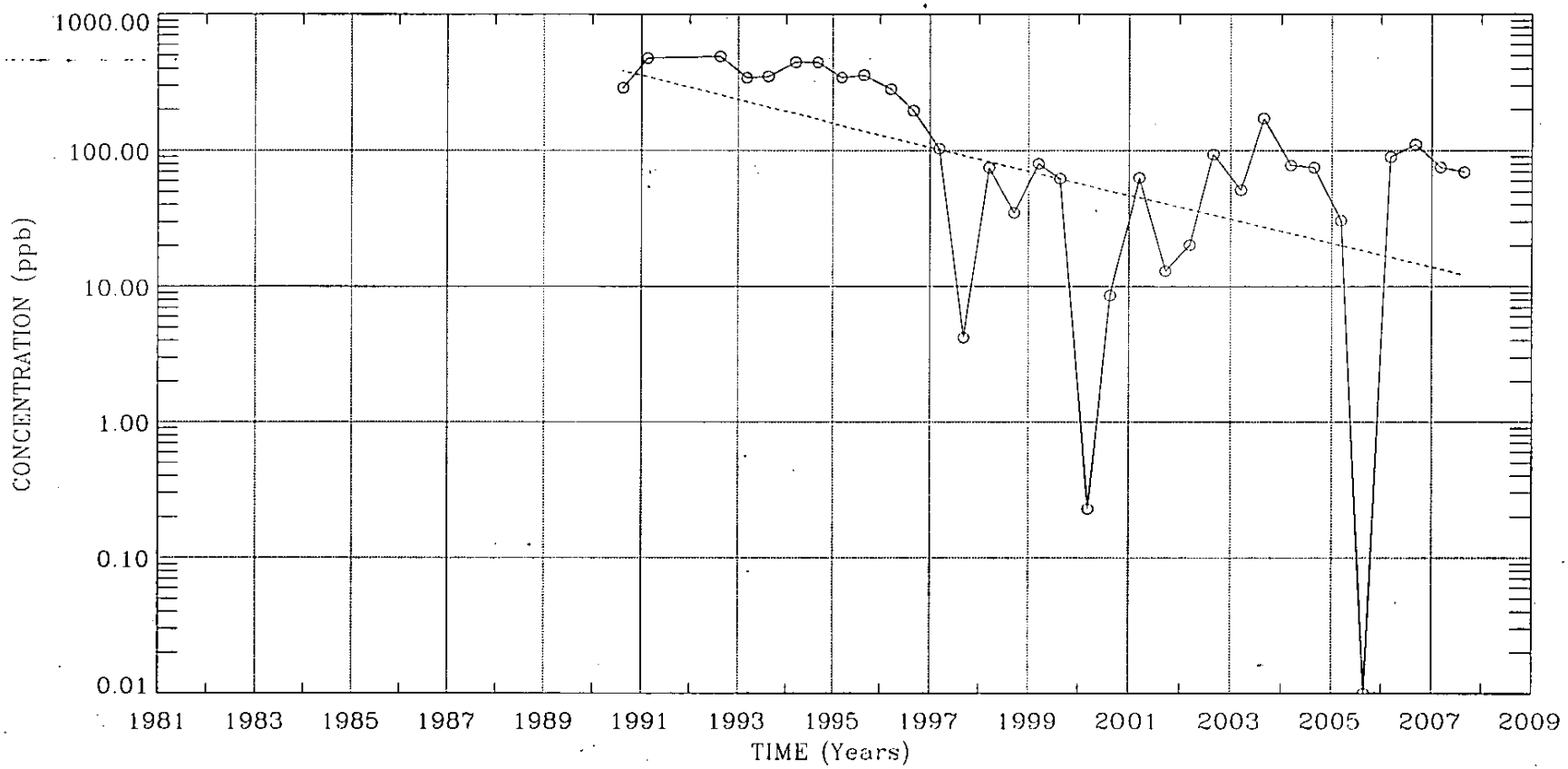

REGRESSION LINE EQUATION: $Y = 1.892E-015e^{0.3270x}$

Well 24B-2 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



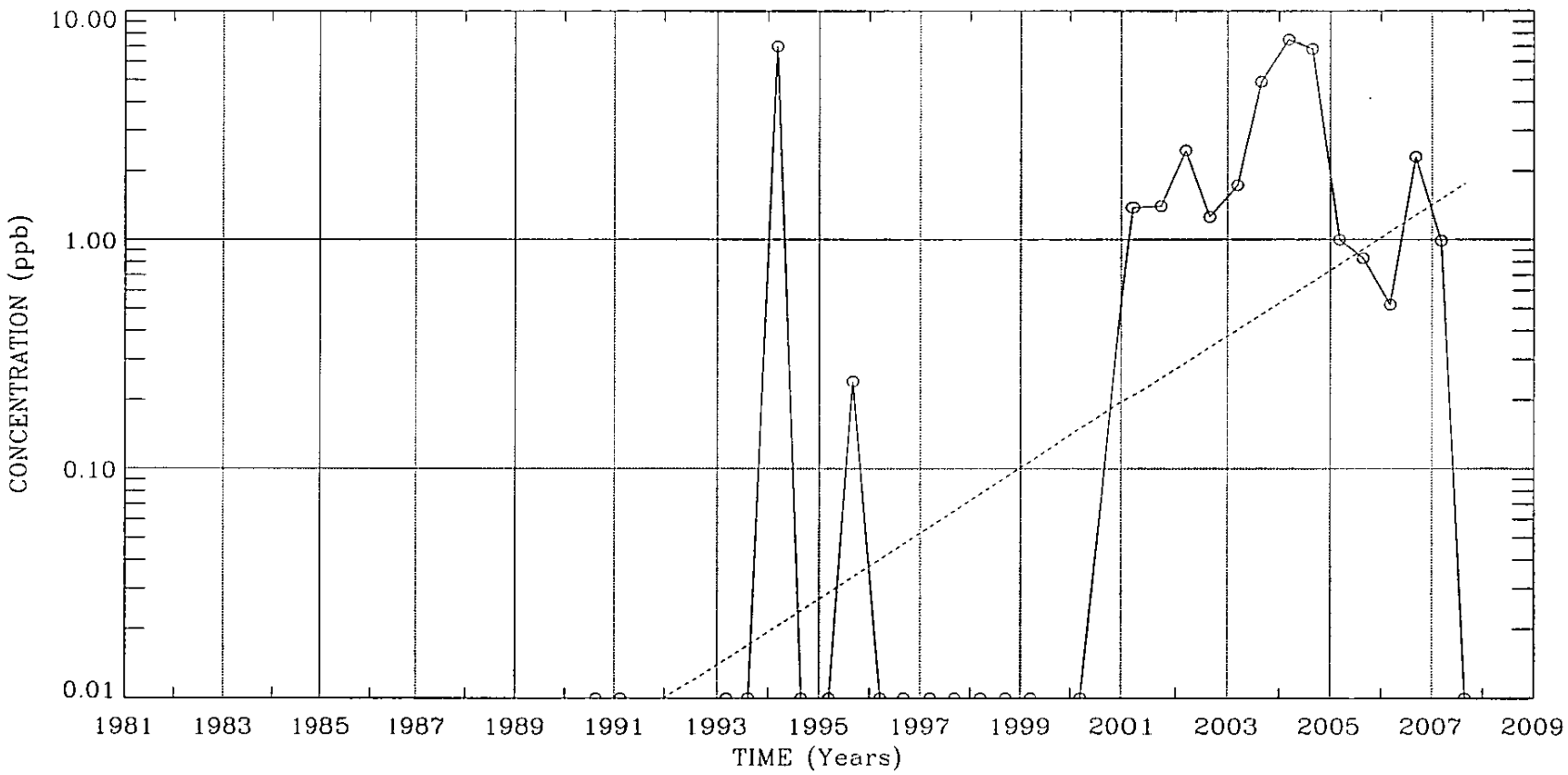

REGRESSION LINE EQUATION: $Y = 7.035E+003e^{-0.0704x}$

Well 25A UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



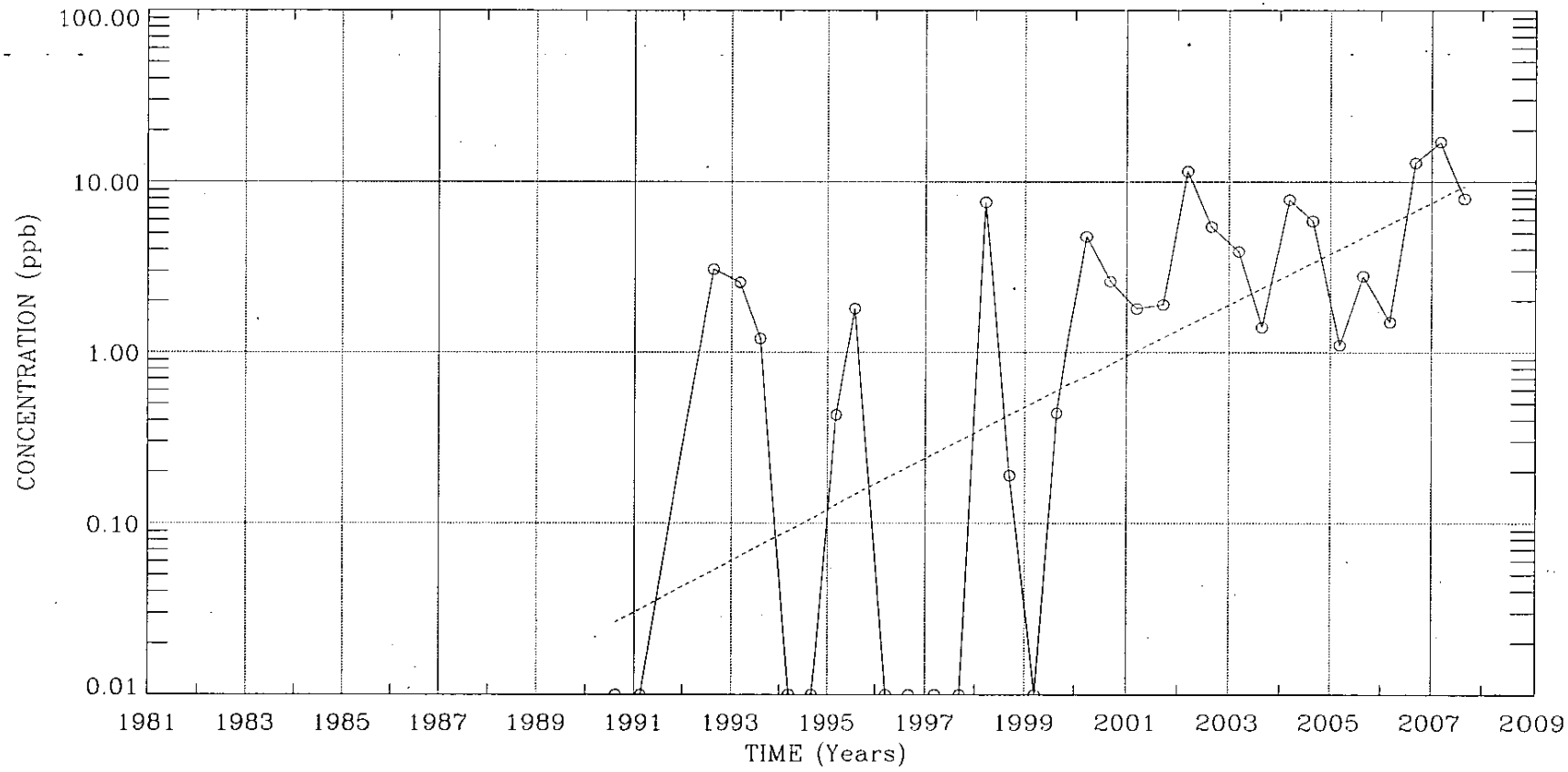

REGRESSION LINE EQUATION: $Y = 3.633E+010e^{-0.2026x}$

Well 26A UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



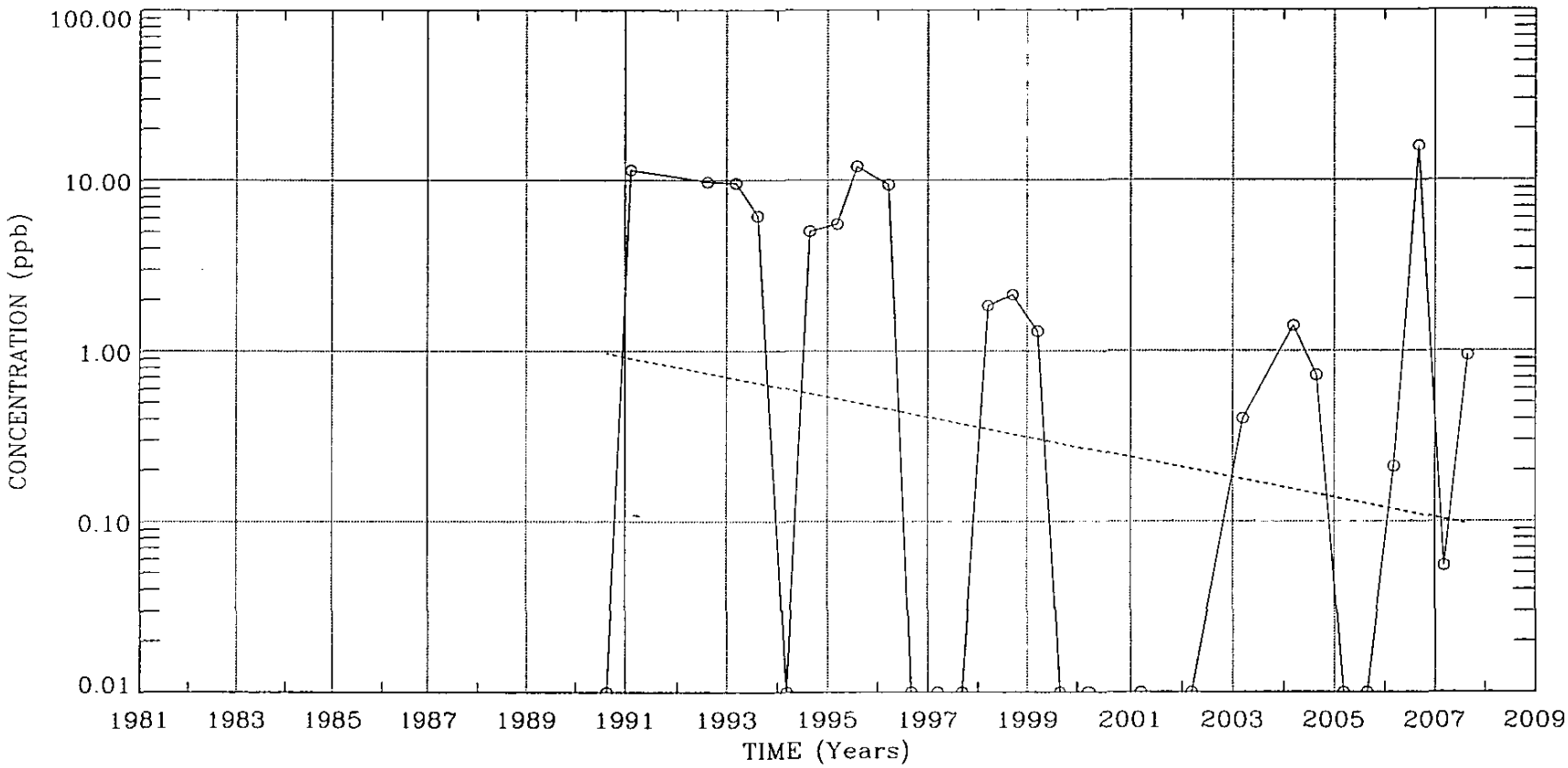

REGRESSION LINE EQUATION: $Y = 6.379E-016e^{0.3303x}$

Well 27A UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



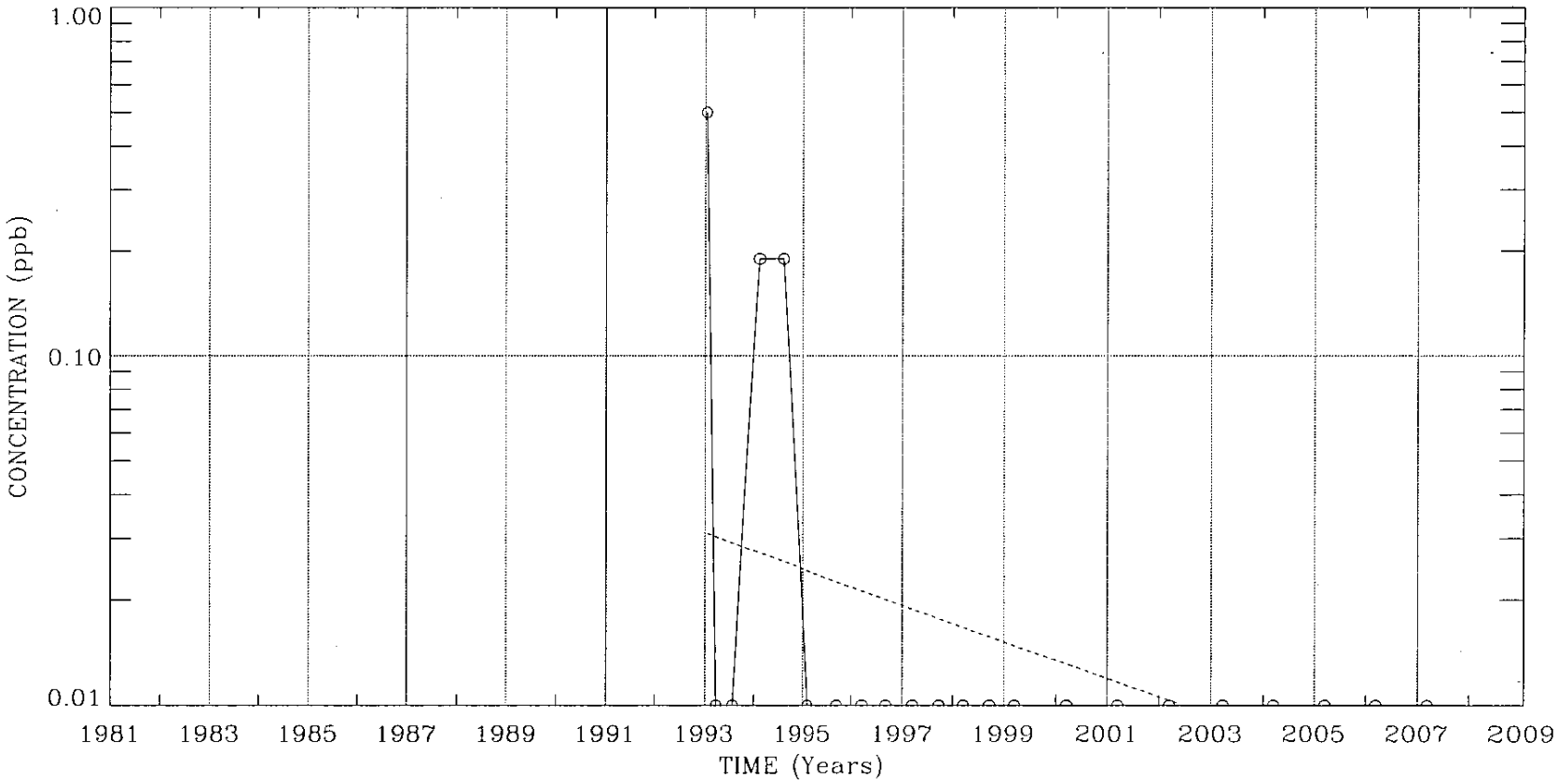

REGRESSION LINE EQUATION: $Y = 7.107E-016e^{0.3448x}$

Well 28A UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



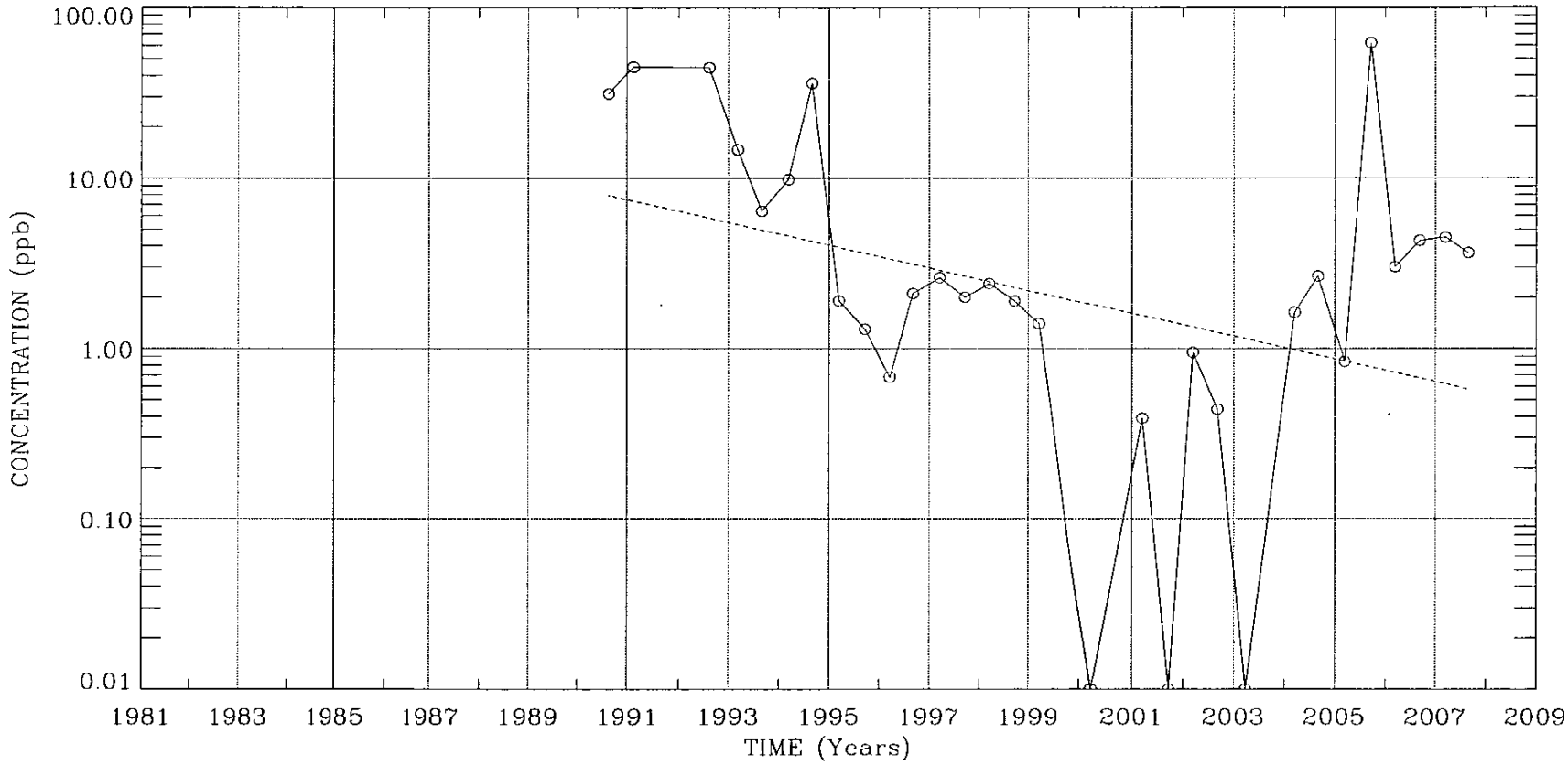

REGRESSION LINE EQUATION: $Y = 2.044E+005e^{-0.1353x}$

Well 31B-1L UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



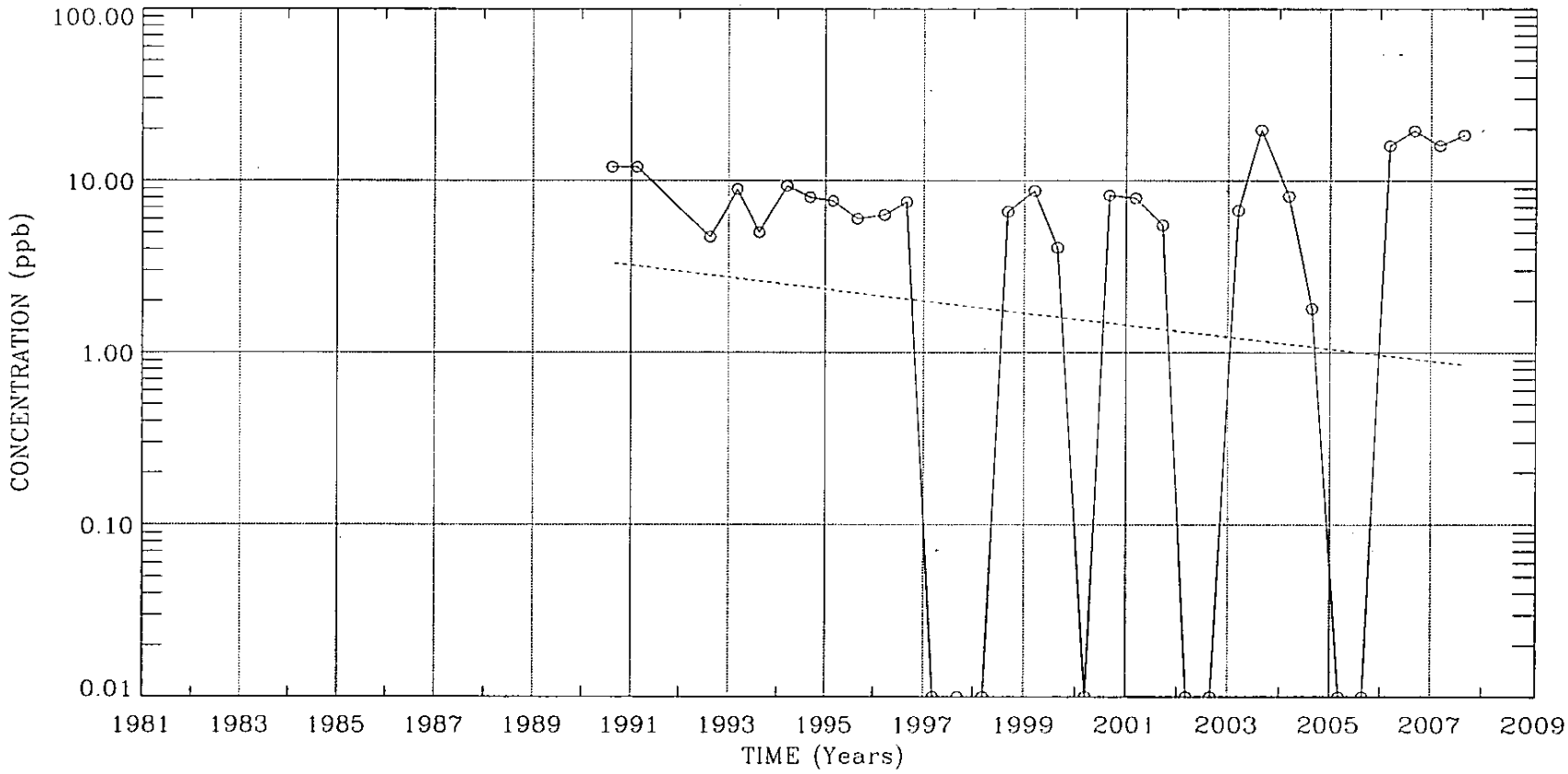

REGRESSION LINE EQUATION: $Y = 2.211E+003e^{-0.1201x}$

Well 31B-2 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



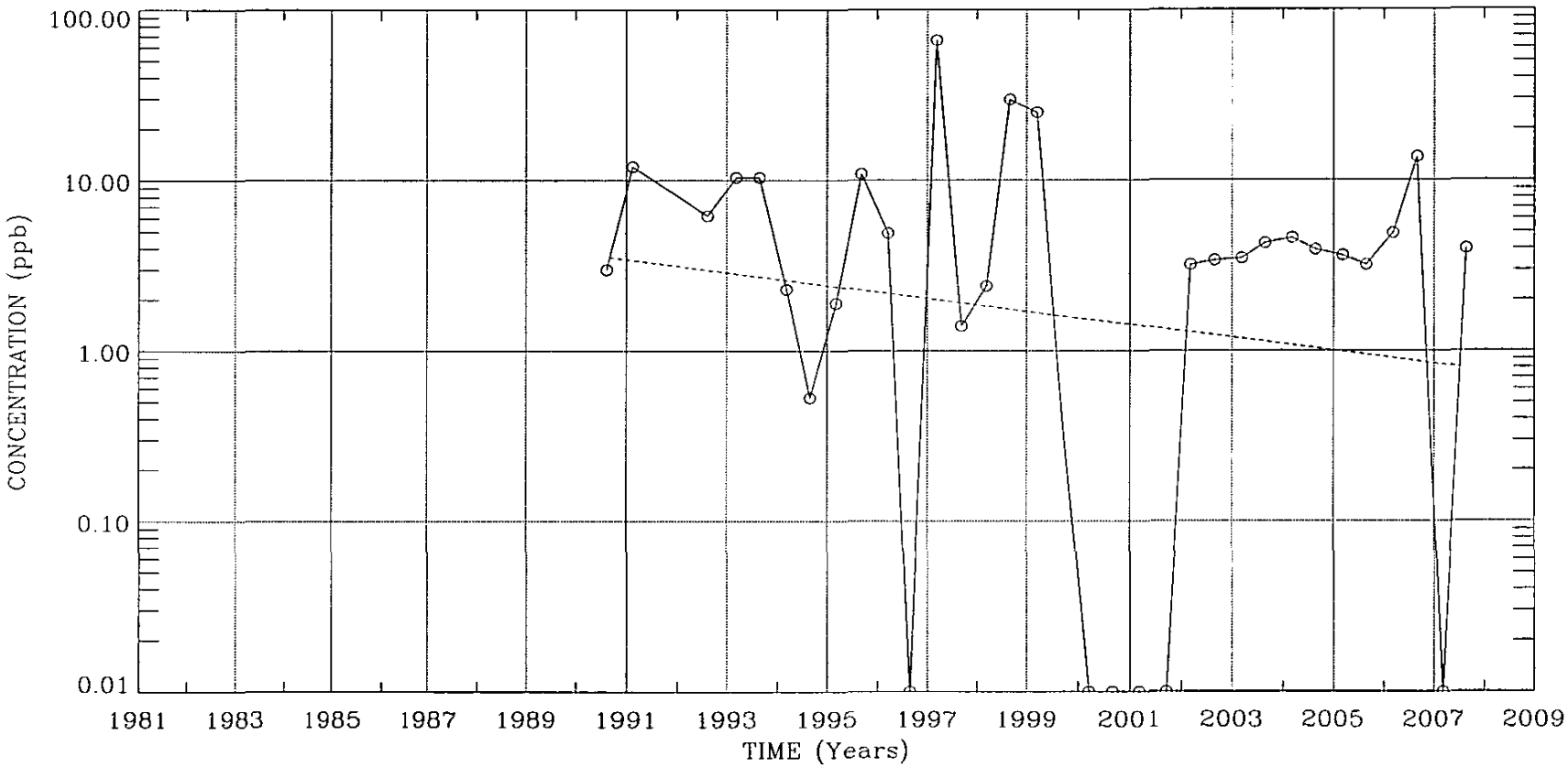

REGRESSION LINE EQUATION: $Y = 8.610E+006e^{-0.1534x}$

Well 32B-1 UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



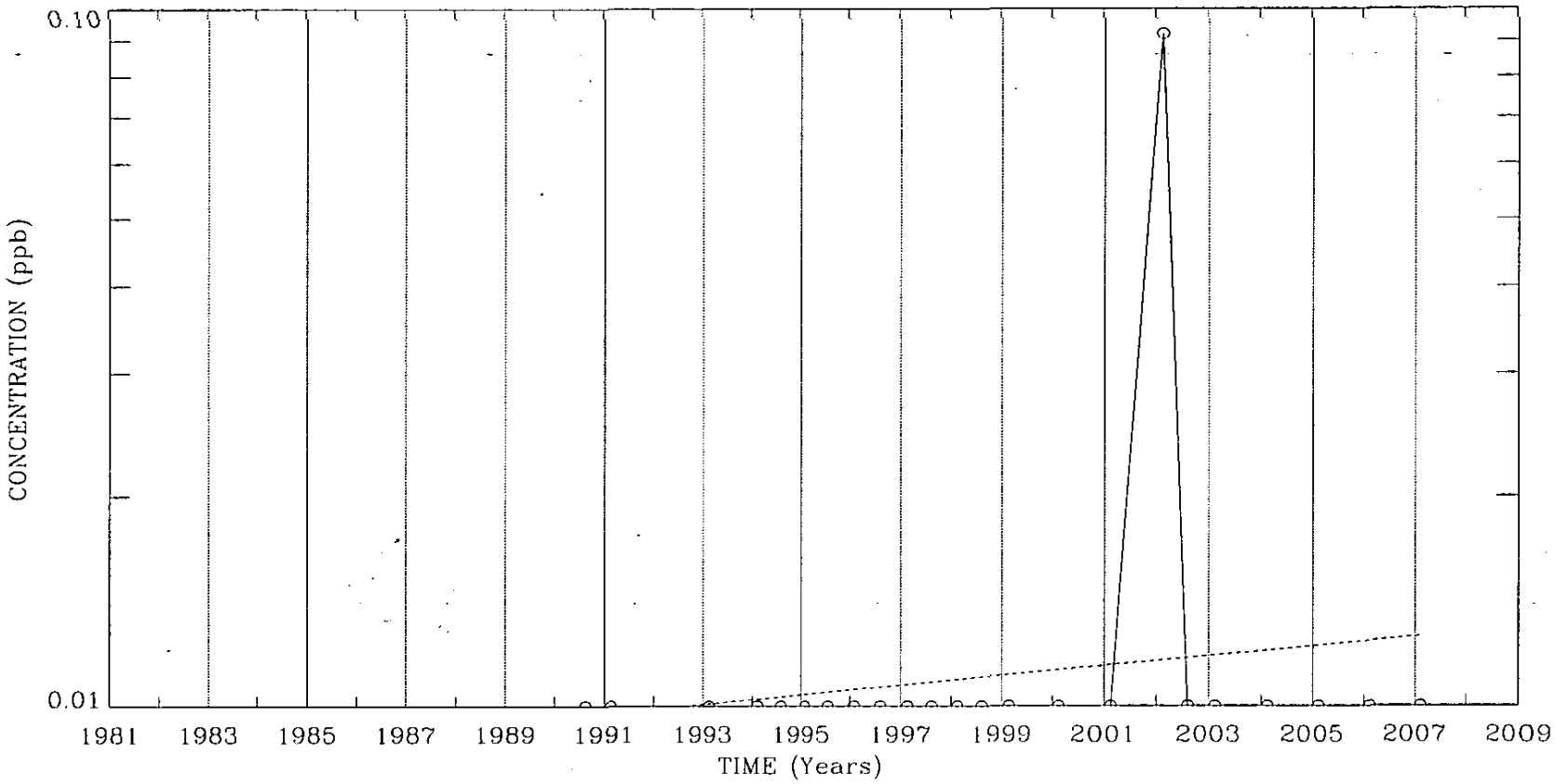

REGRESSION LINE EQUATION: $Y = 4.680E+003e^{-0.0800x}$

Well 32B-2 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



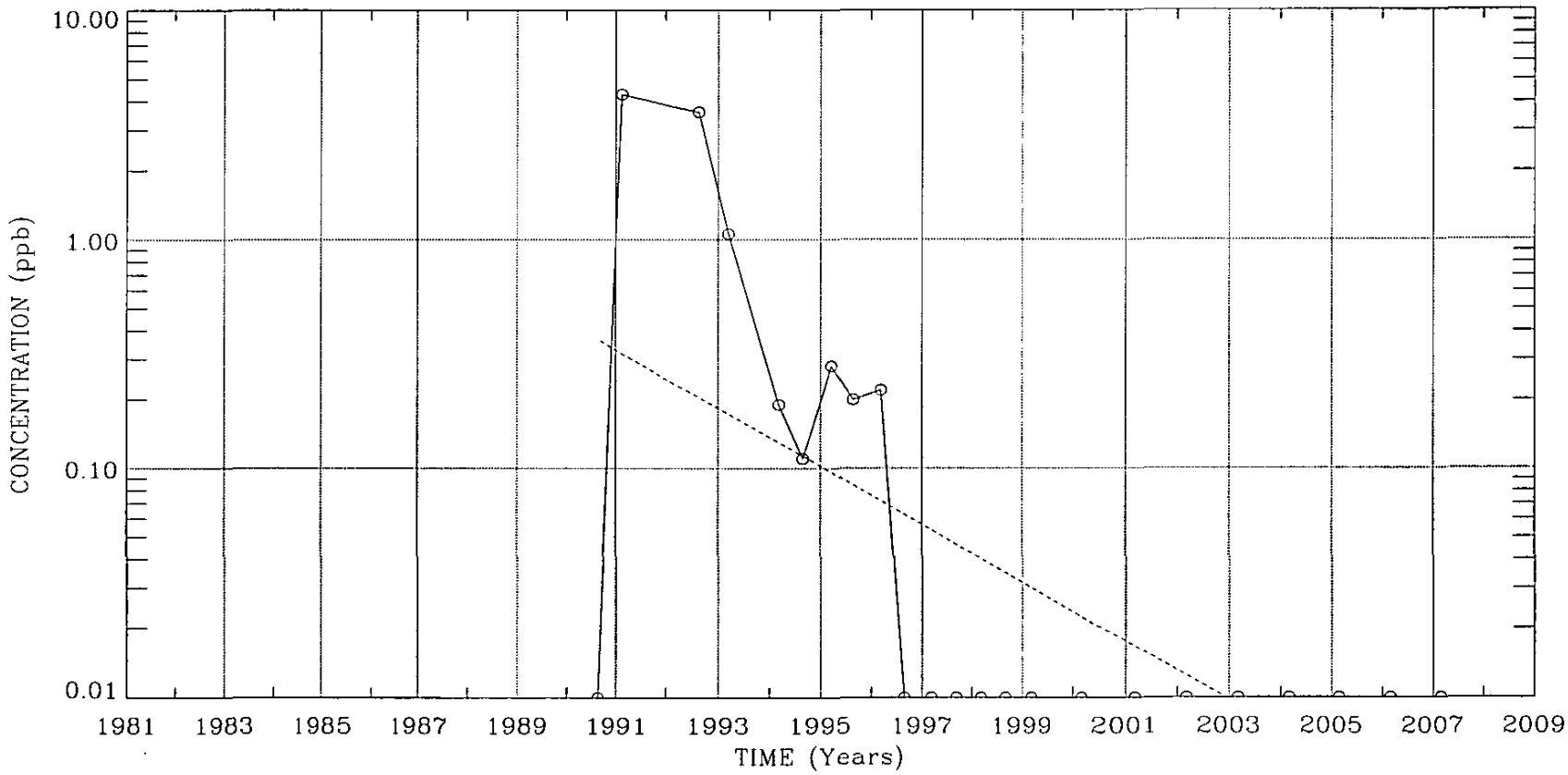

REGRESSION LINE EQUATION: $Y = 1.029E+004e^{-0.0879x}$

Well 33B-1 UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



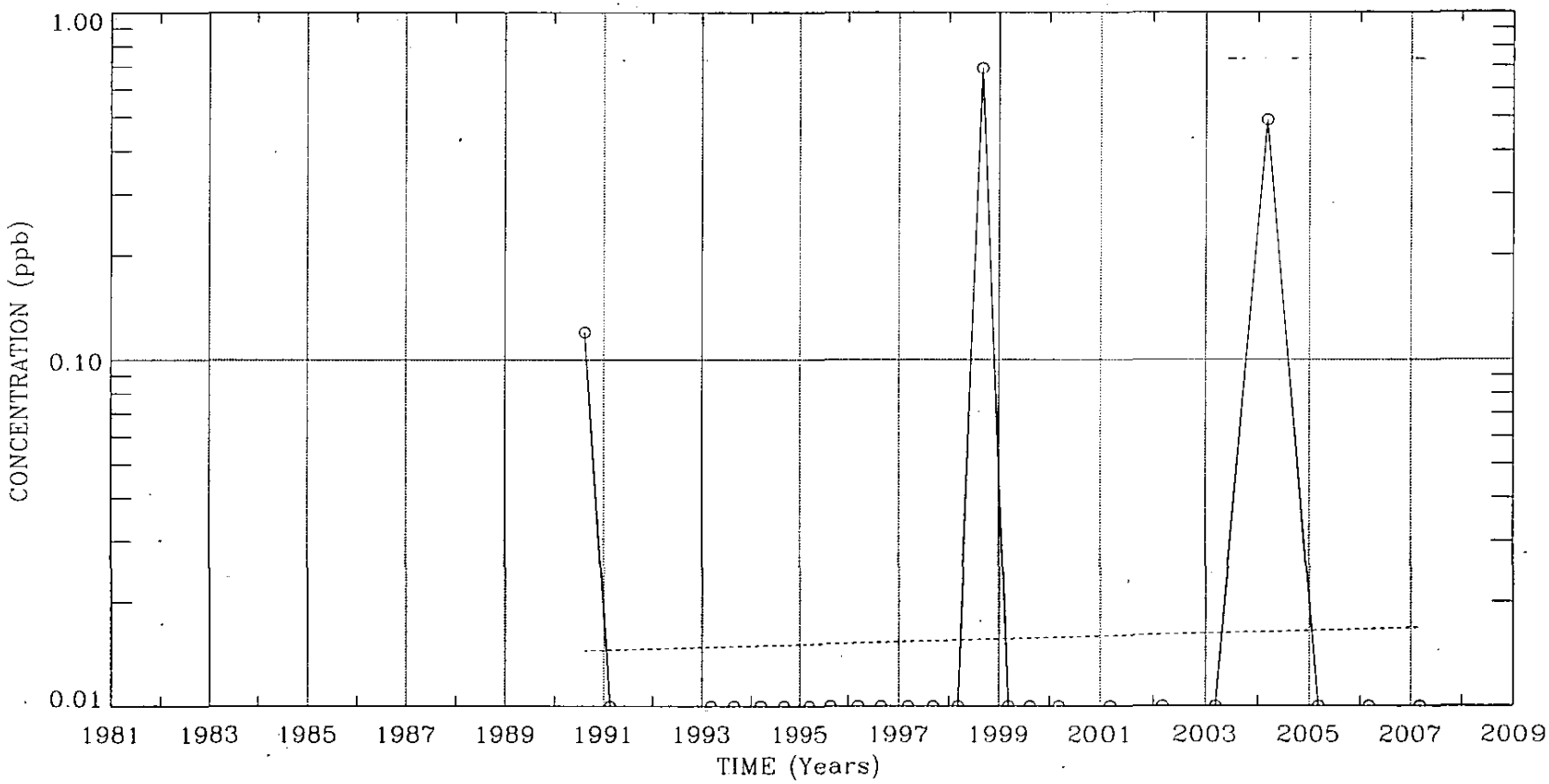

REGRESSION LINE EQUATION: $Y = 2.276E-003e^{0.0160x}$

Well 33B-2 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



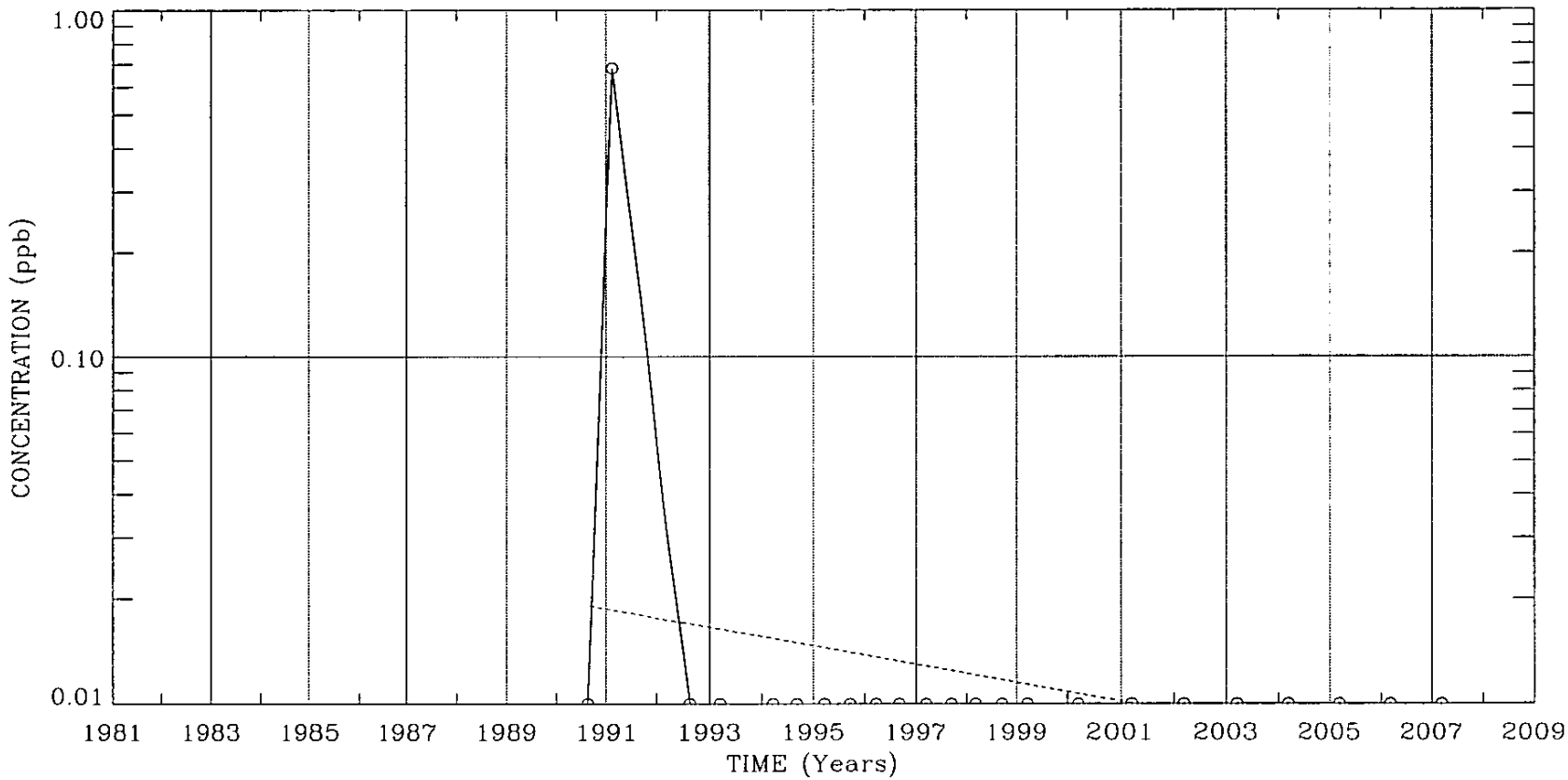

REGRESSION LINE EQUATION: $Y = 1.236E+011e^{-0.2929x}$

Well 34A UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



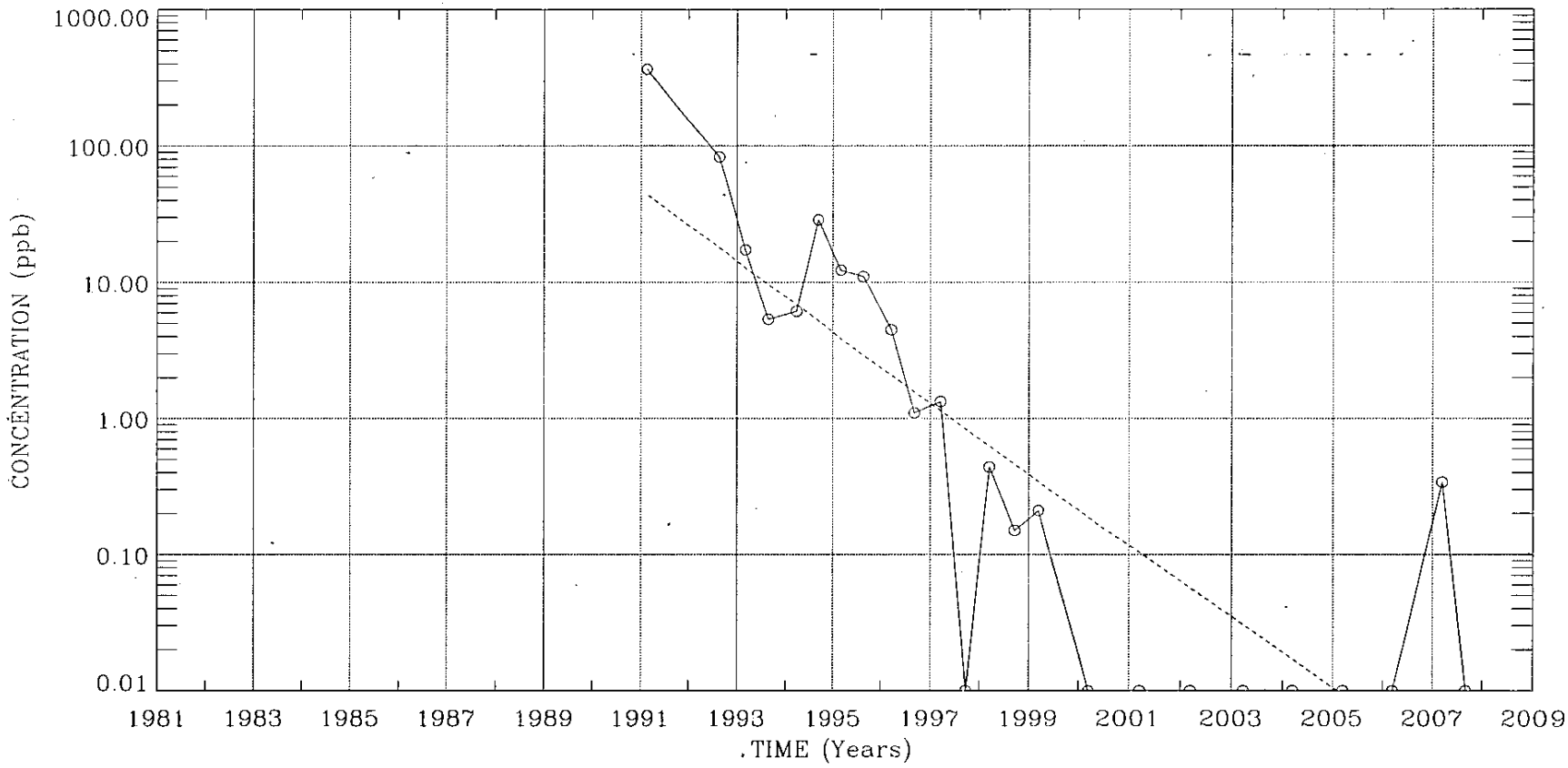

REGRESSION LINE EQUATION: $Y = 6.276E-003e^{0.0092x}$

Well 37A UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



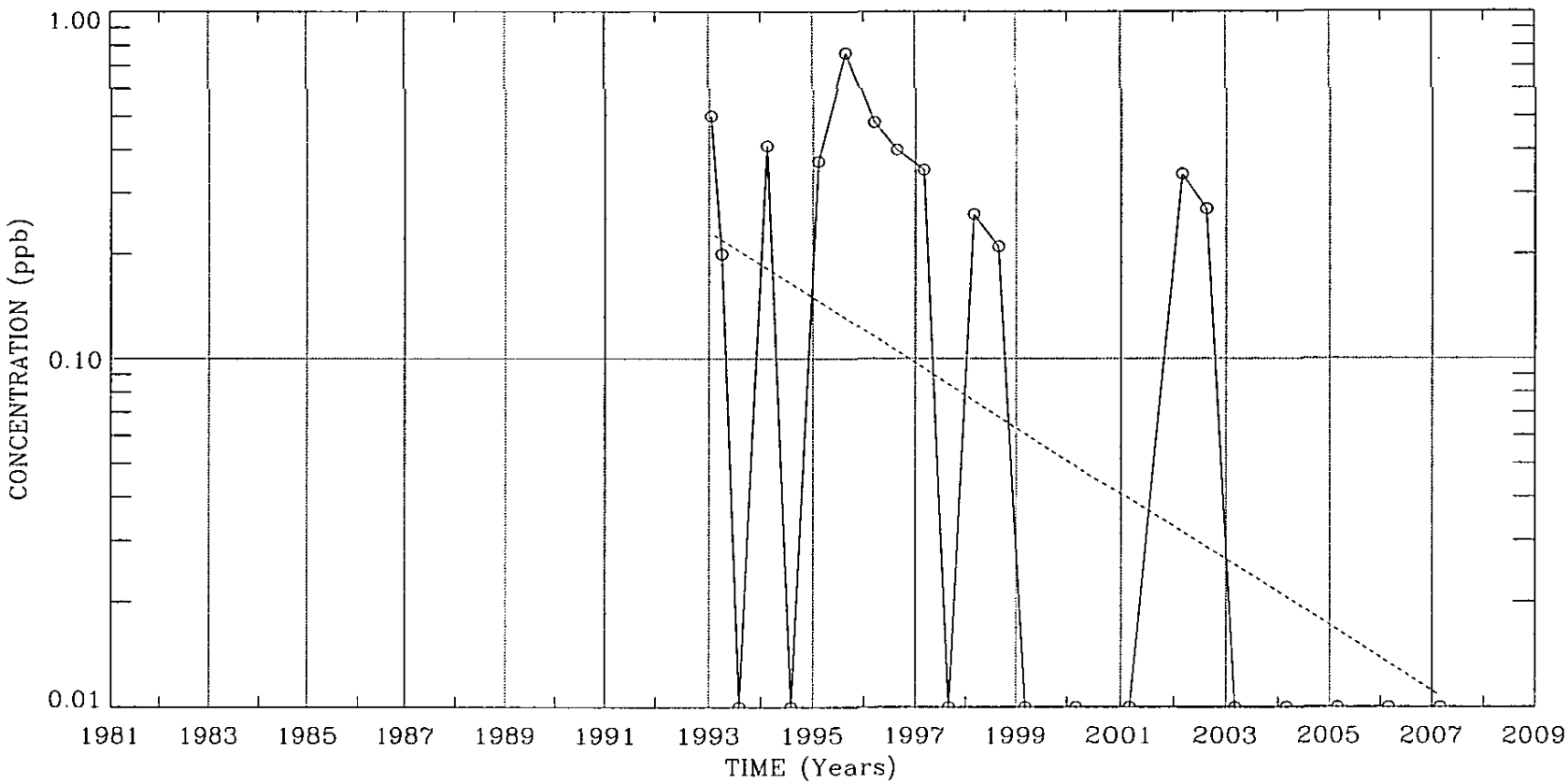

REGRESSION LINE EQUATION: $Y = 4.688E+000e^{-0.0607x}$

Well 42B-1 UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



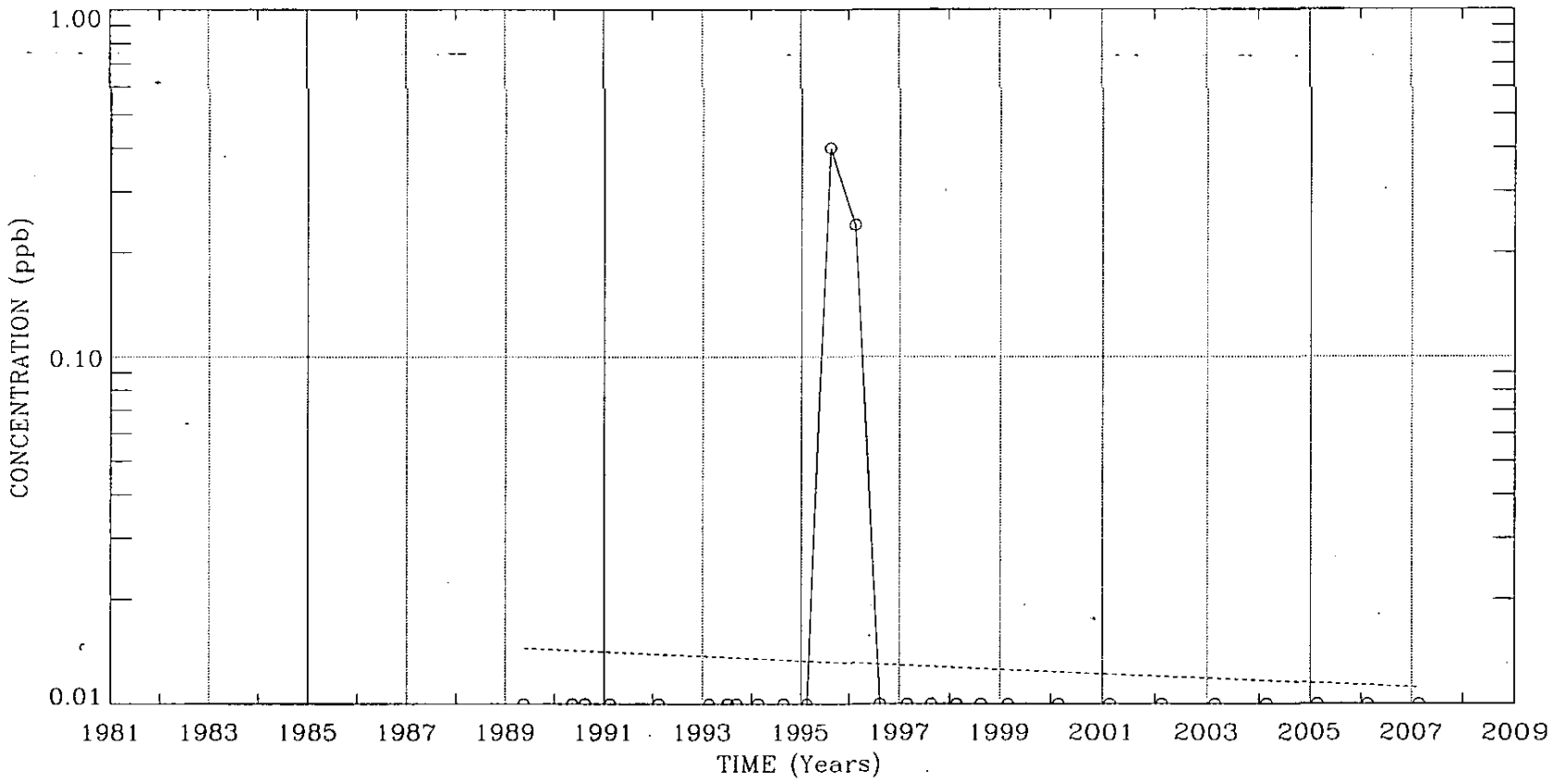

REGRESSION LINE EQUATION: $Y = 2.781E+025e^{-0.6013x}$

Well 50B-1 UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



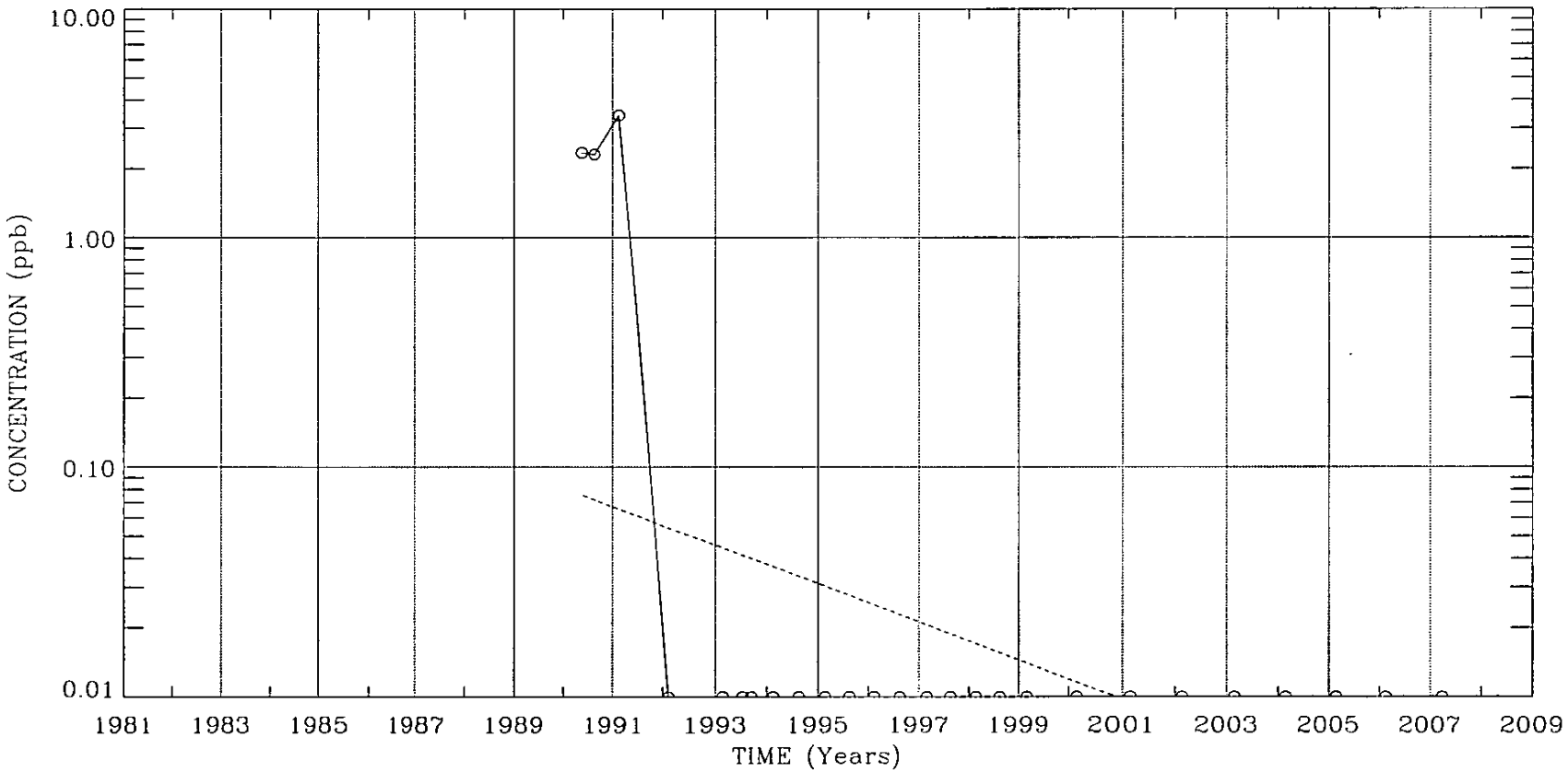

REGRESSION LINE EQUATION: $Y = 1.329E+008e^{-0.2169x}$

Well AT-07 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



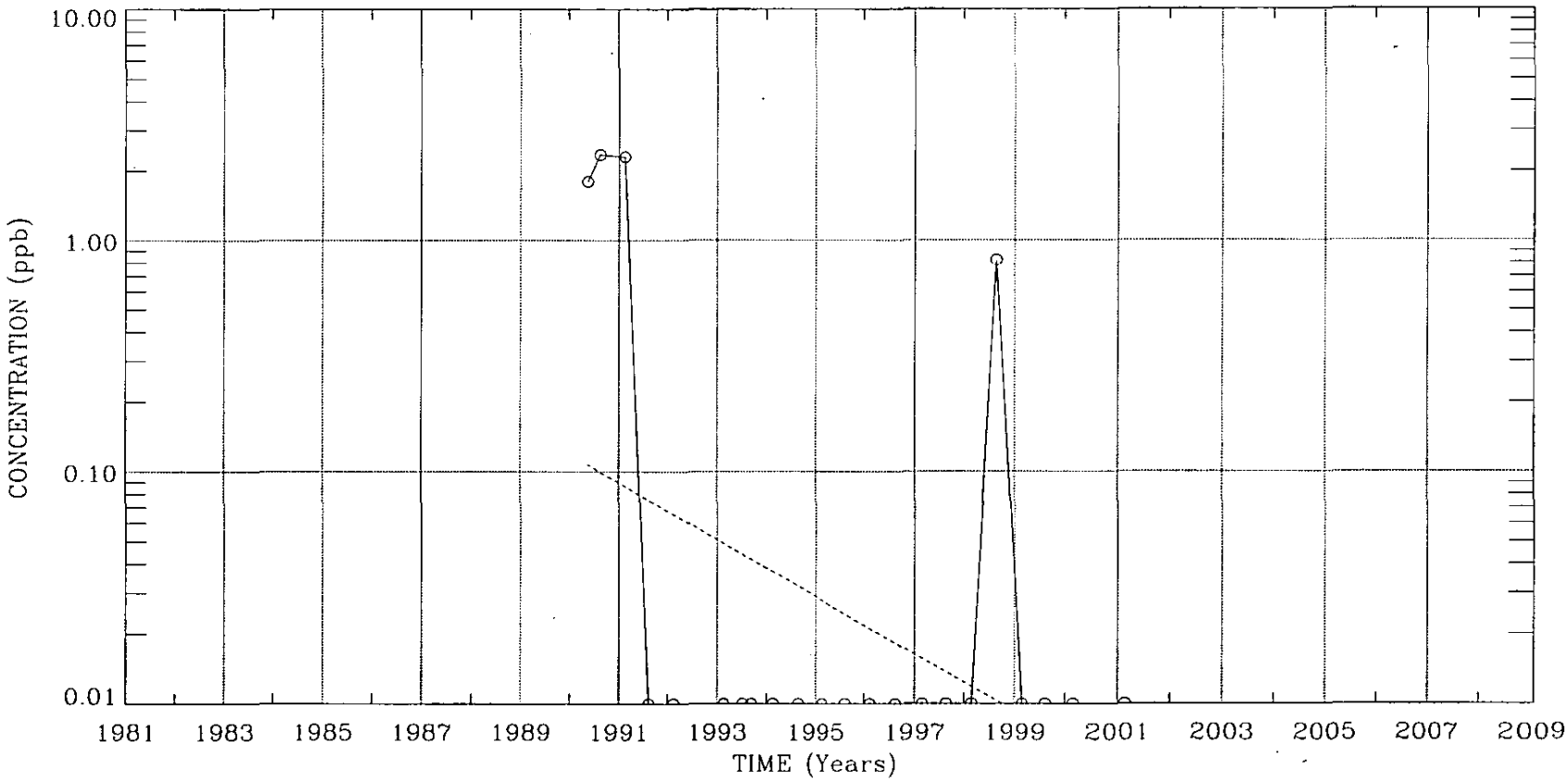

REGRESSION LINE EQUATION: $Y = 5.368E-002e^{-0.0147x}$

Well AT-08 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



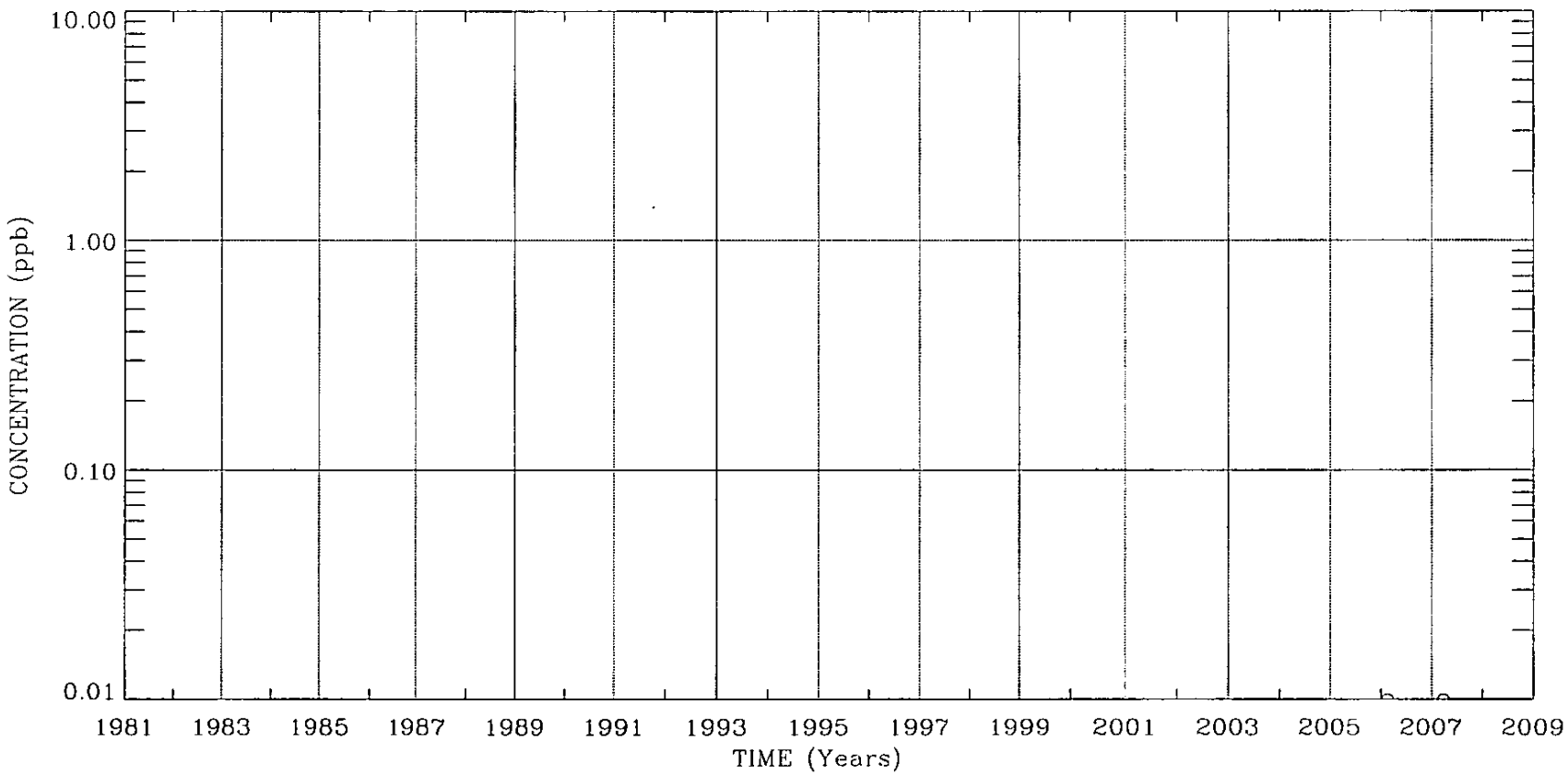

REGRESSION LINE EQUATION: $Y = 2.560E+006e^{-0.1918x}$

Well AT-12 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



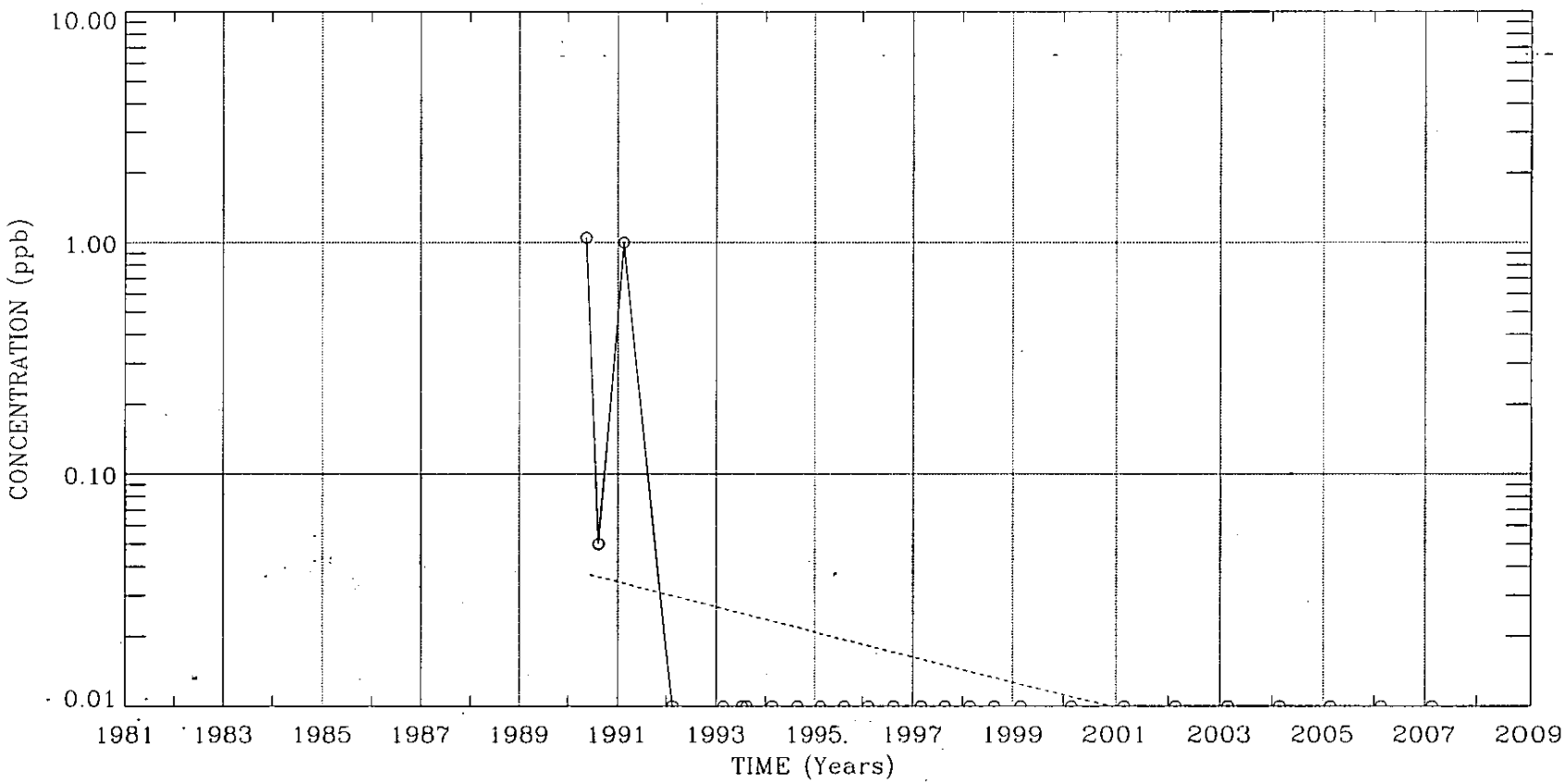

REGRESSION LINE EQUATION: $Y = 1.384E+010e^{-0.2831x}$

Well AT-12R Unit 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



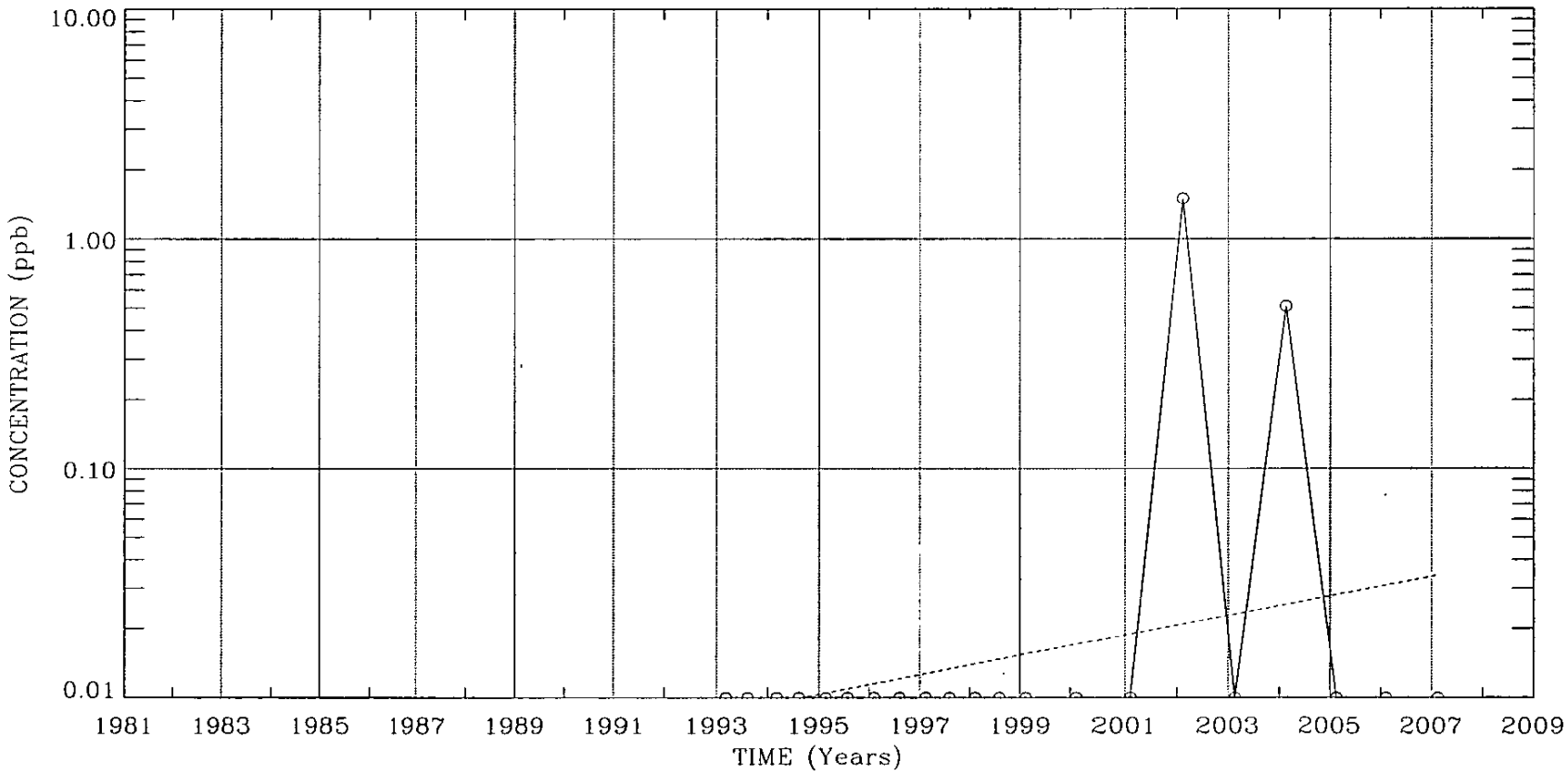

REGRESSION LINE EQUATION: $Y = e^{-NaN} e^{-NaNx}$

Well AT-13 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



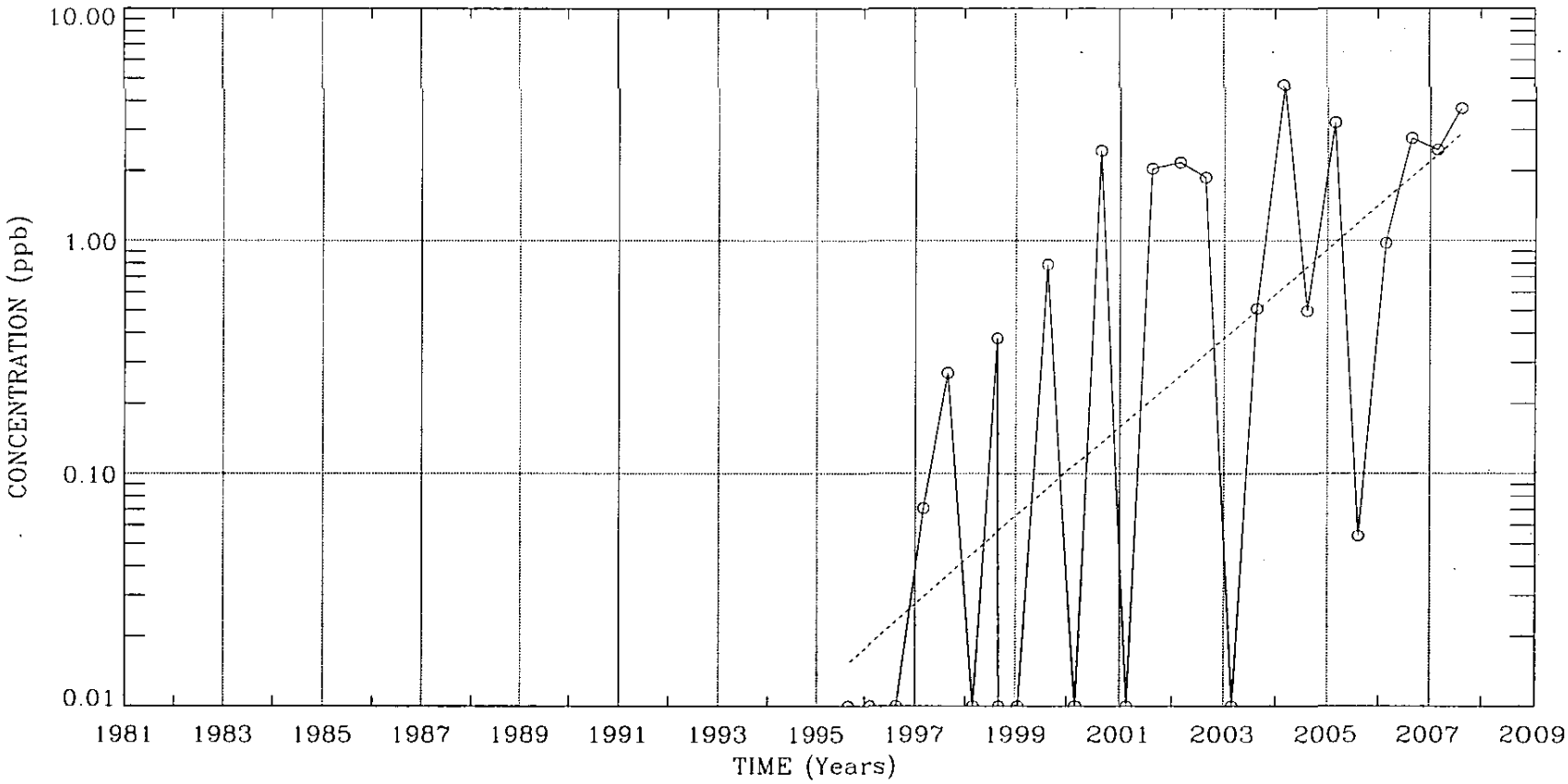

REGRESSION LINE EQUATION: $Y = 2.862E+003e^{-0.1245x}$

Well AT-17 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



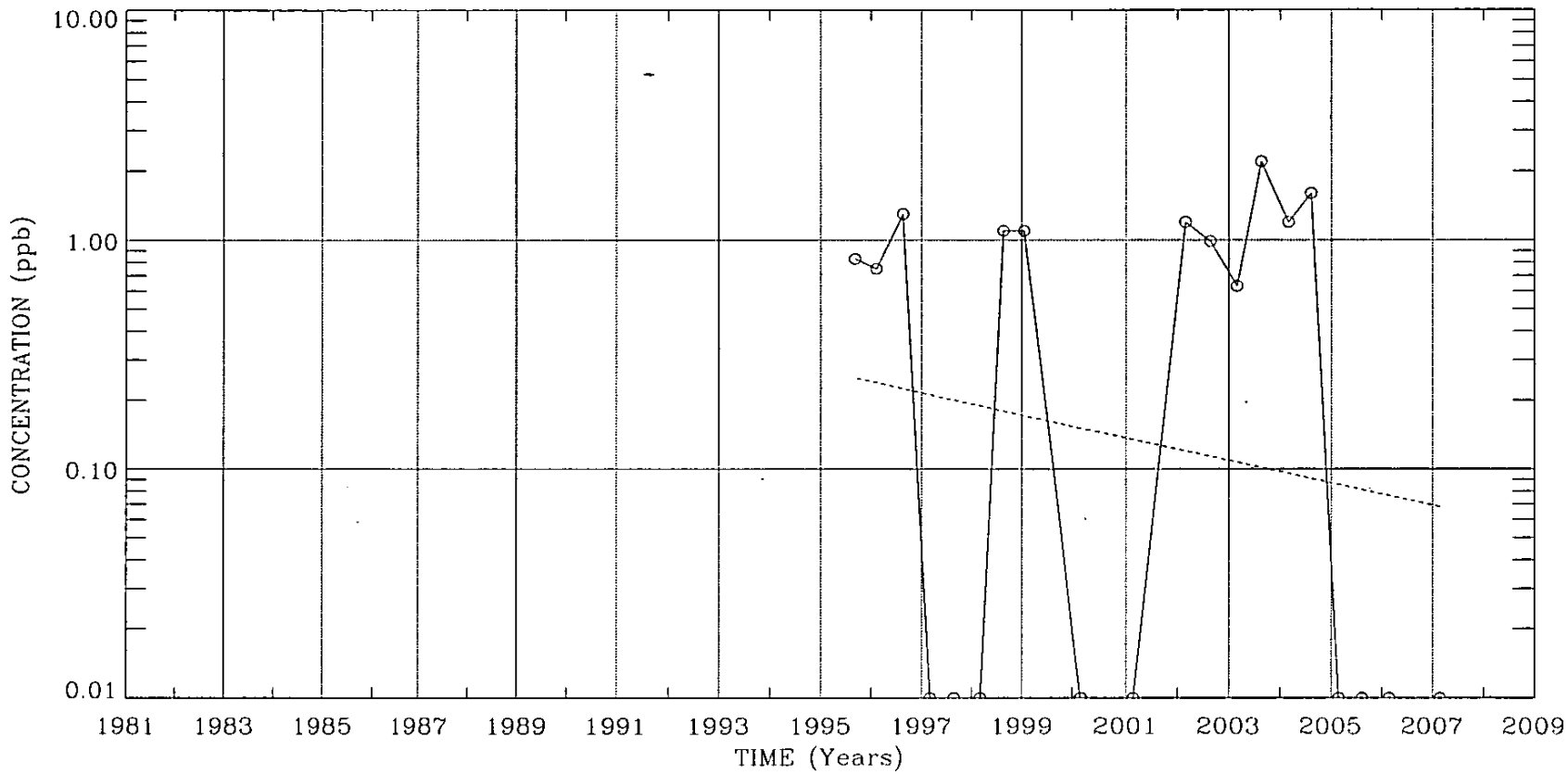

REGRESSION LINE EQUATION: $Y = 8.939E-007e^{0.0985x}$

Well AT-34 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



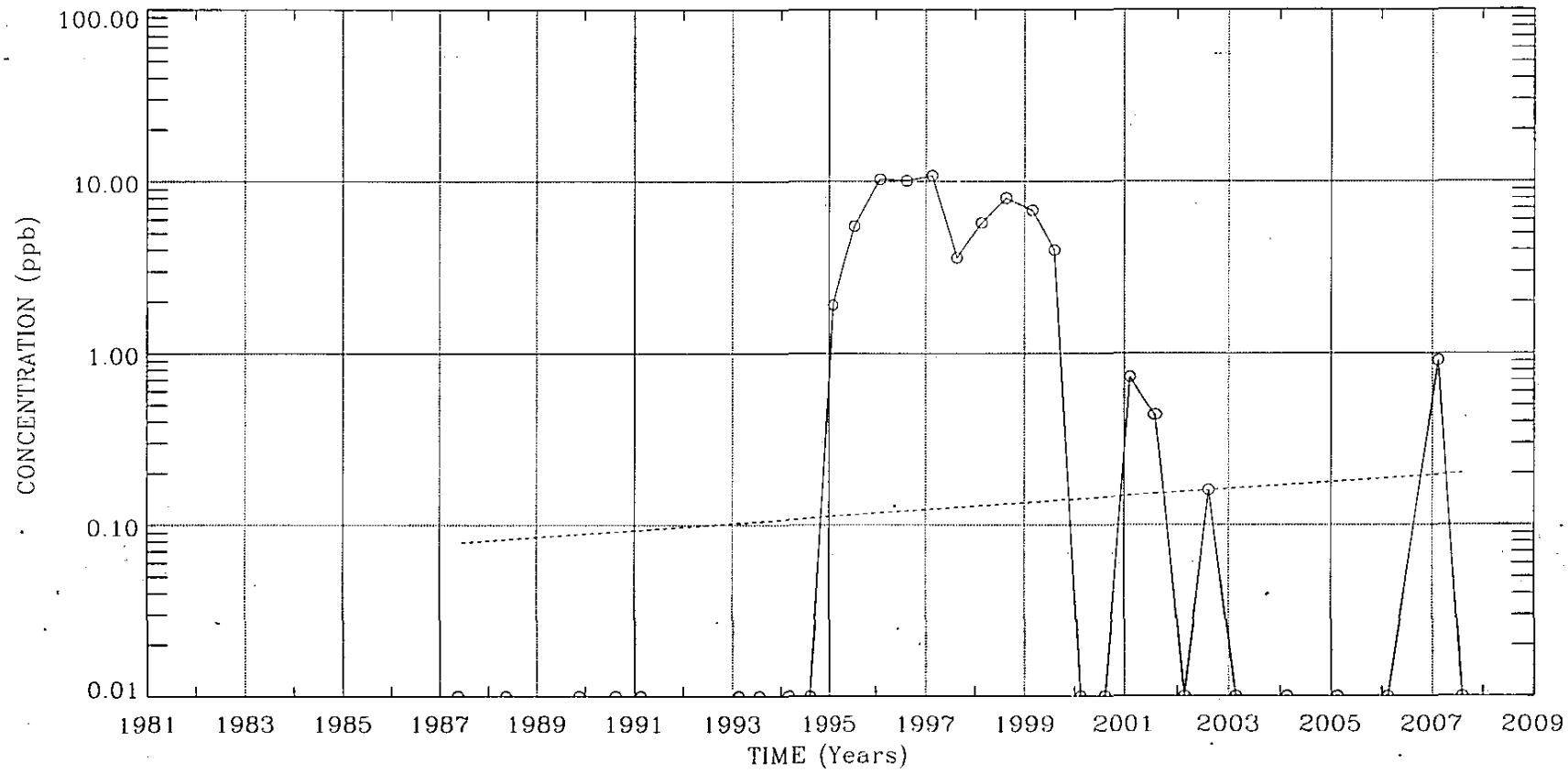

REGRESSION LINE EQUATION: $Y = 9.117E-021e^{0.4386x}$

Well AT-36 UNIT 4
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



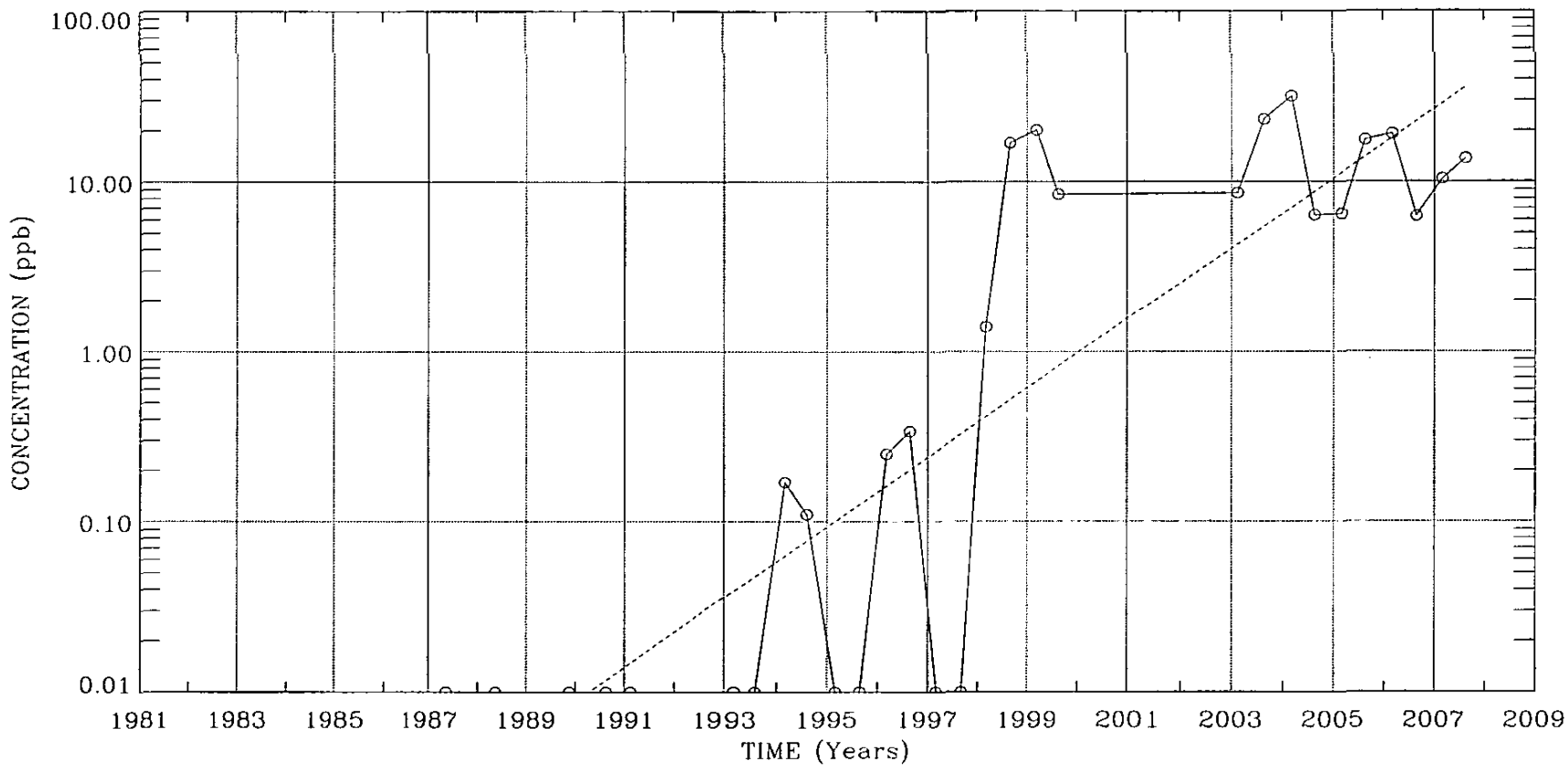

REGRESSION LINE EQUATION: $Y = 1.278E+004e^{-0.1133x}$

Well DM-03 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



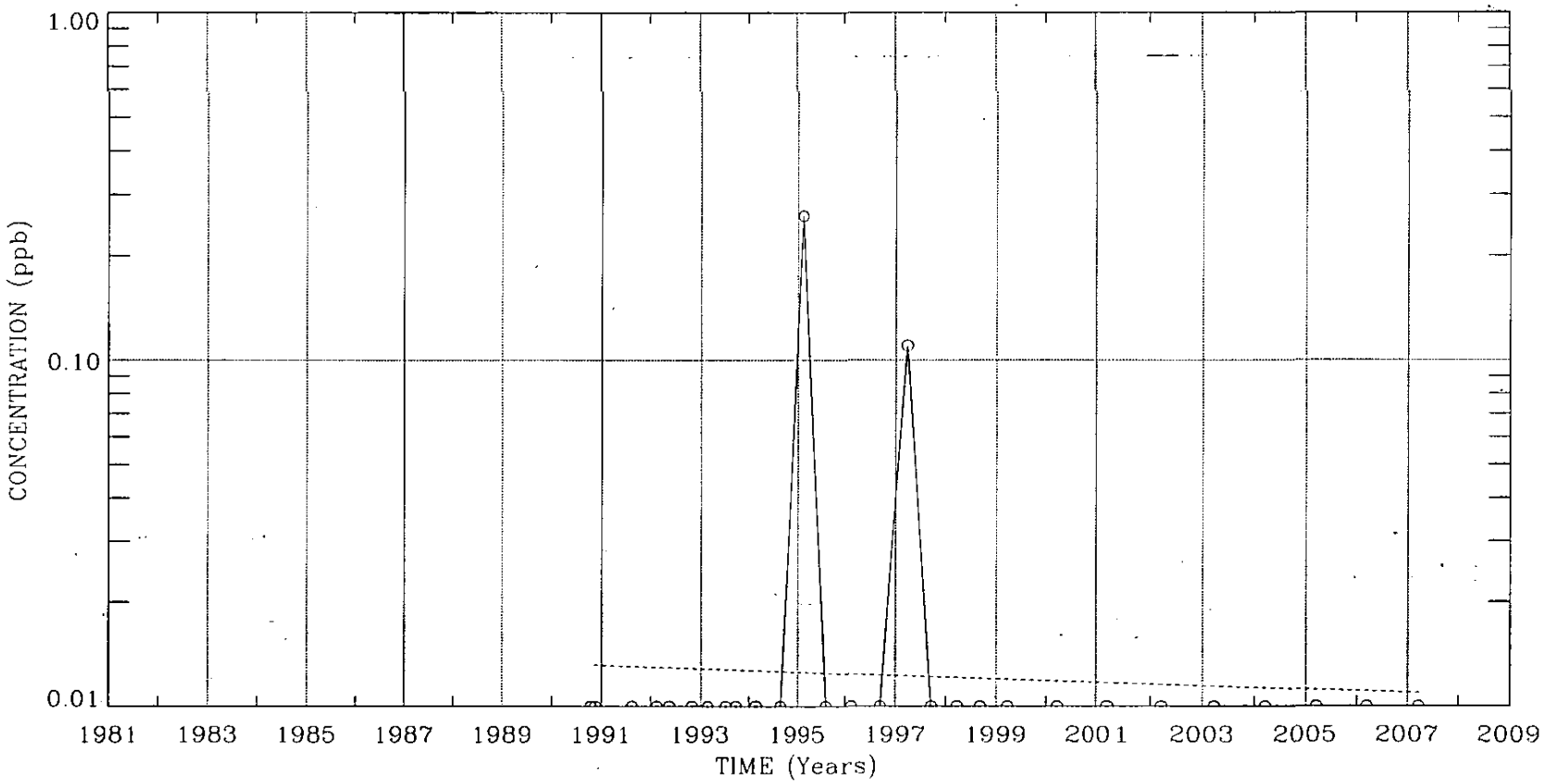

REGRESSION LINE EQUATION: $Y = 1.354E-003e^{0.0465x}$

Well SM-03 UNIT 3
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



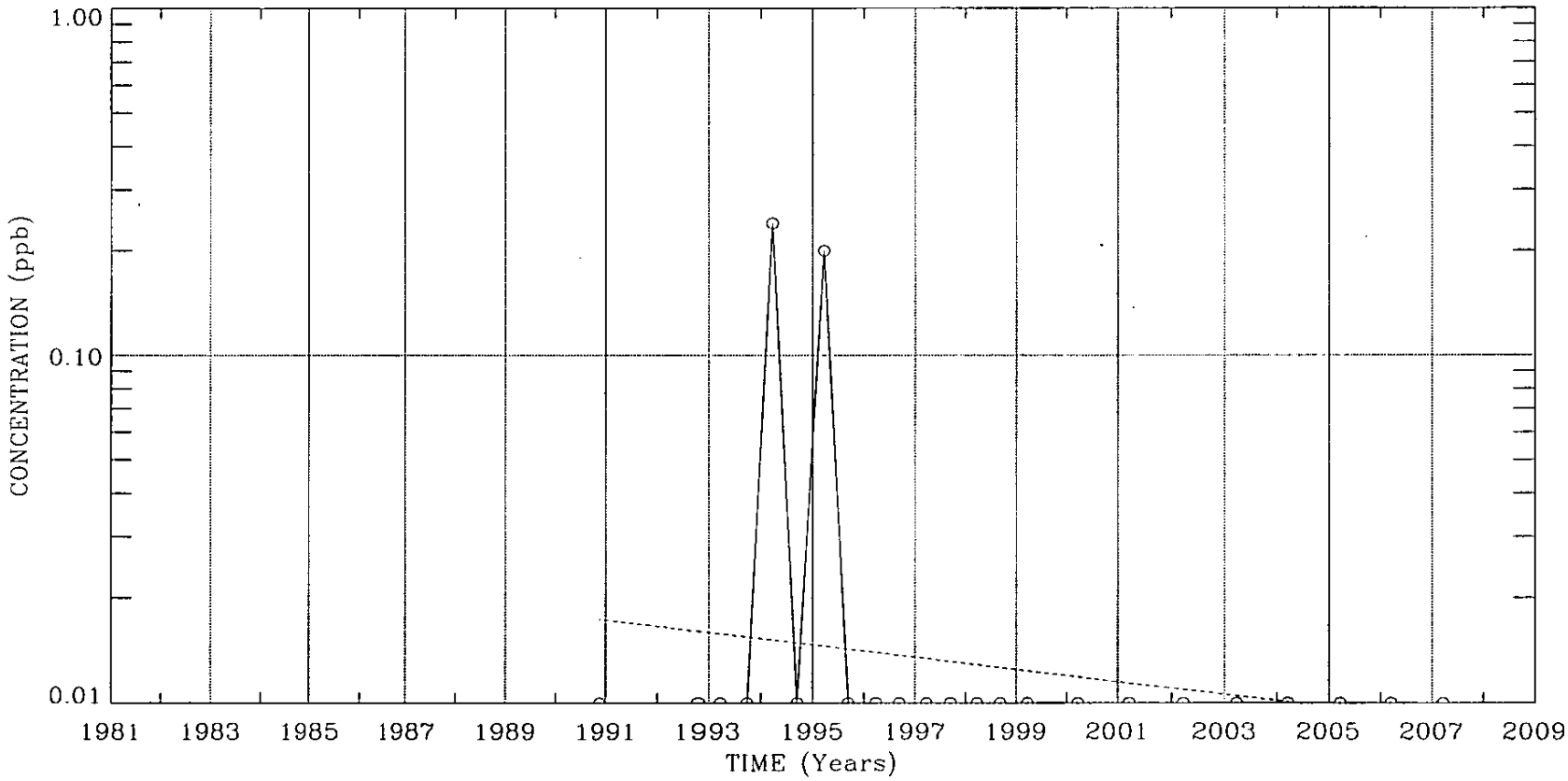

REGRESSION LINE EQUATION: $Y = 3.045E-021e^{0.4722x}$

Well a-DM-04 UNIT 6
TOTAL PESTICIDES/HERBICIDES
Clean Harbors,Baton Rouge, LLC



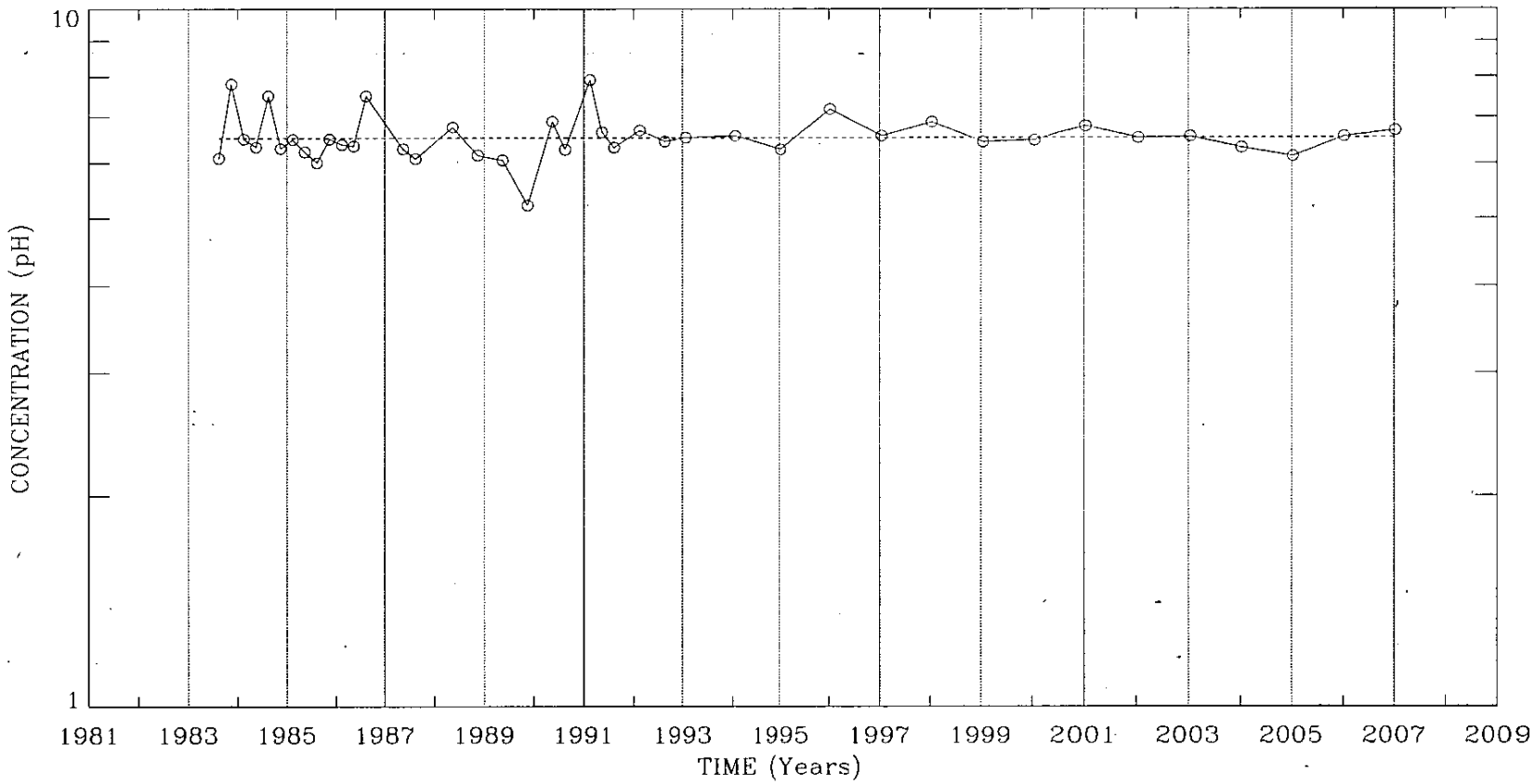

REGRESSION LINE EQUATION: $Y = 3.685E-002e^{-0.0113x}$

Well a-LM-01 UNIT 8
TOTAL PESTICIDES/HERBICIDES
Clean Harbors Baton Rouge, LLC



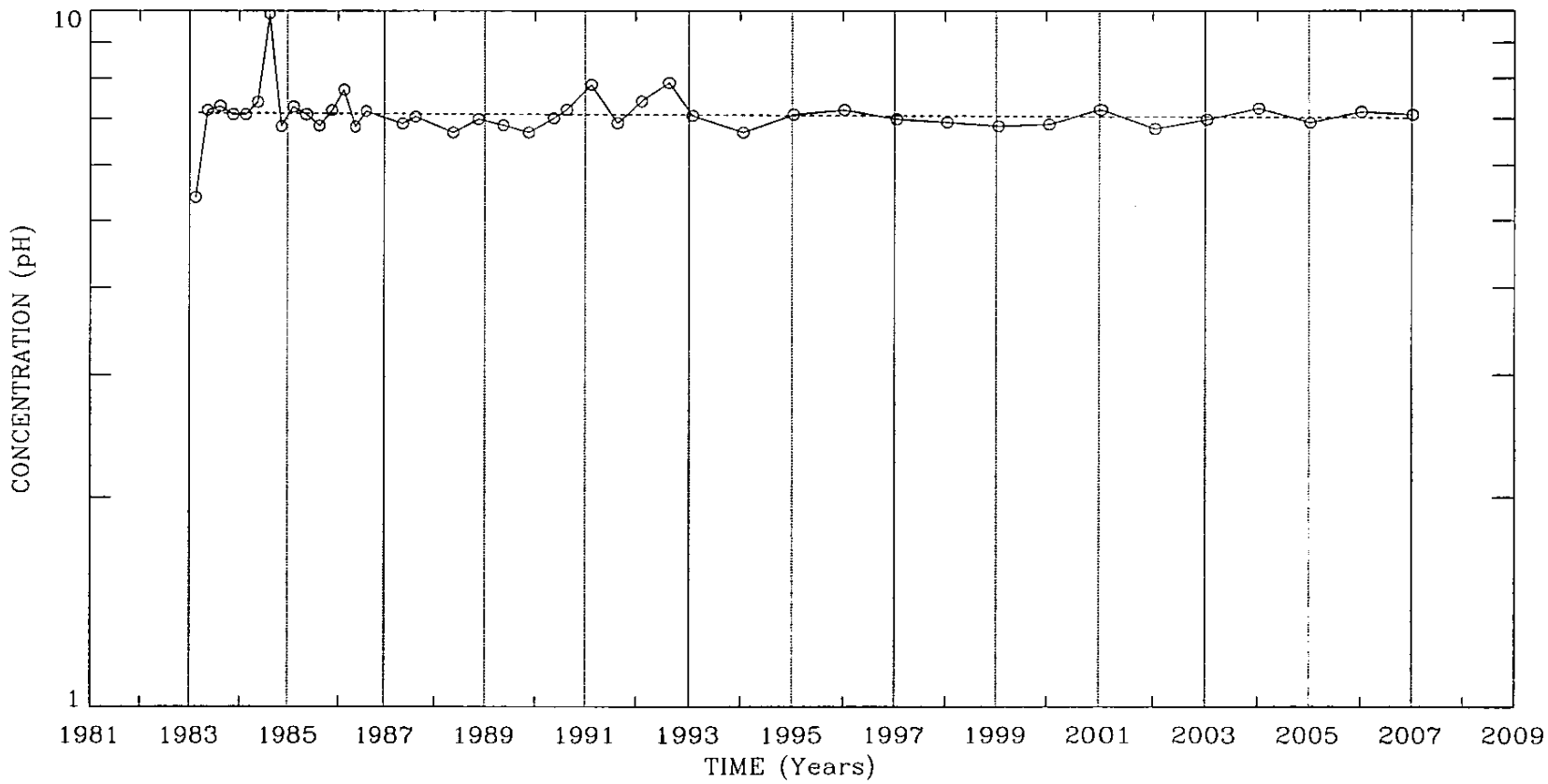

REGRESSION LINE EQUATION: $Y = 7.075E-001e^{-0.0408x}$

Well 01A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



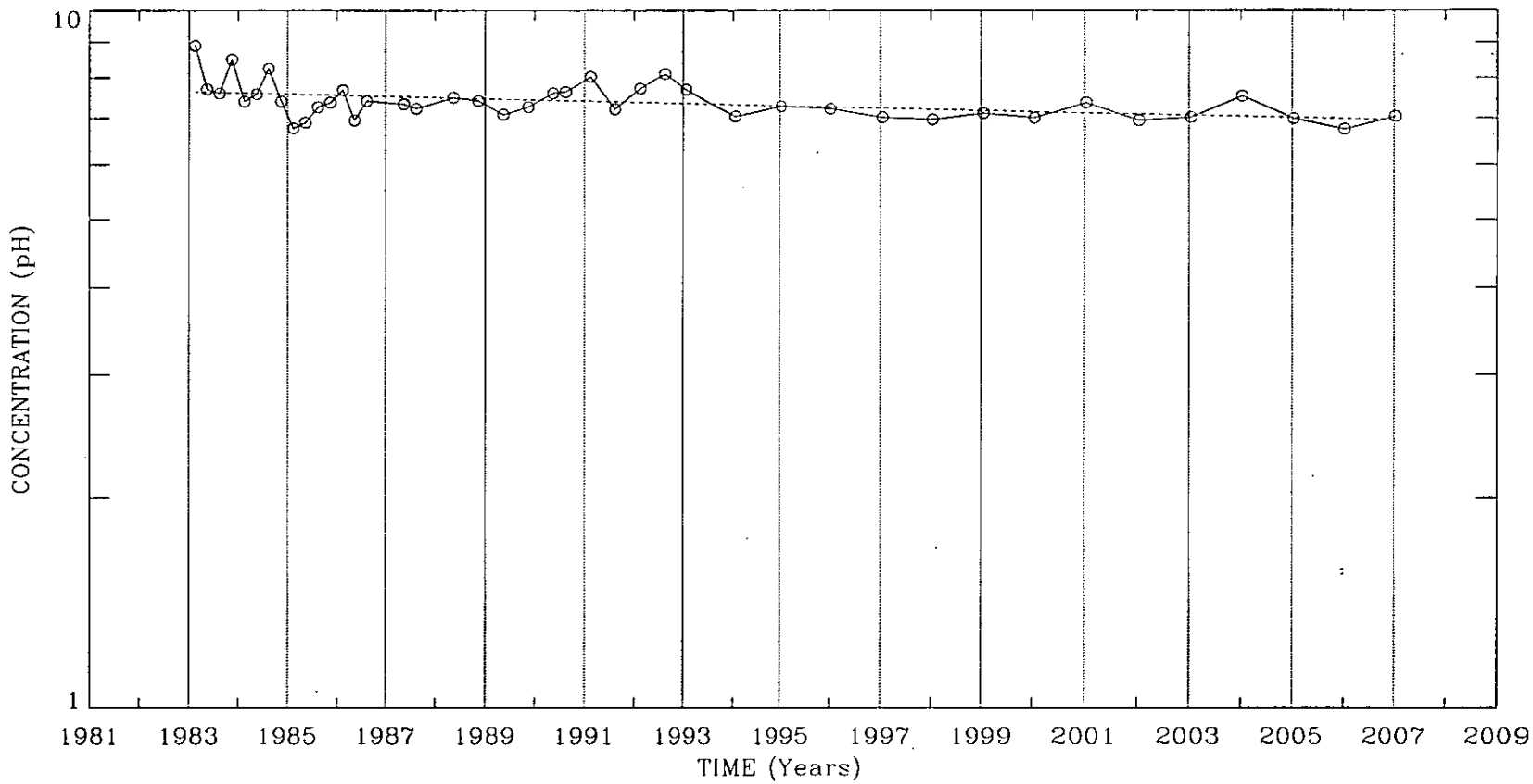

REGRESSION LINE EQUATION: $Y = 6.465E+000e^{0.0001x}$

Well 01B UNIT 4
PH
Clean Harbors Baton Rouge, LLC



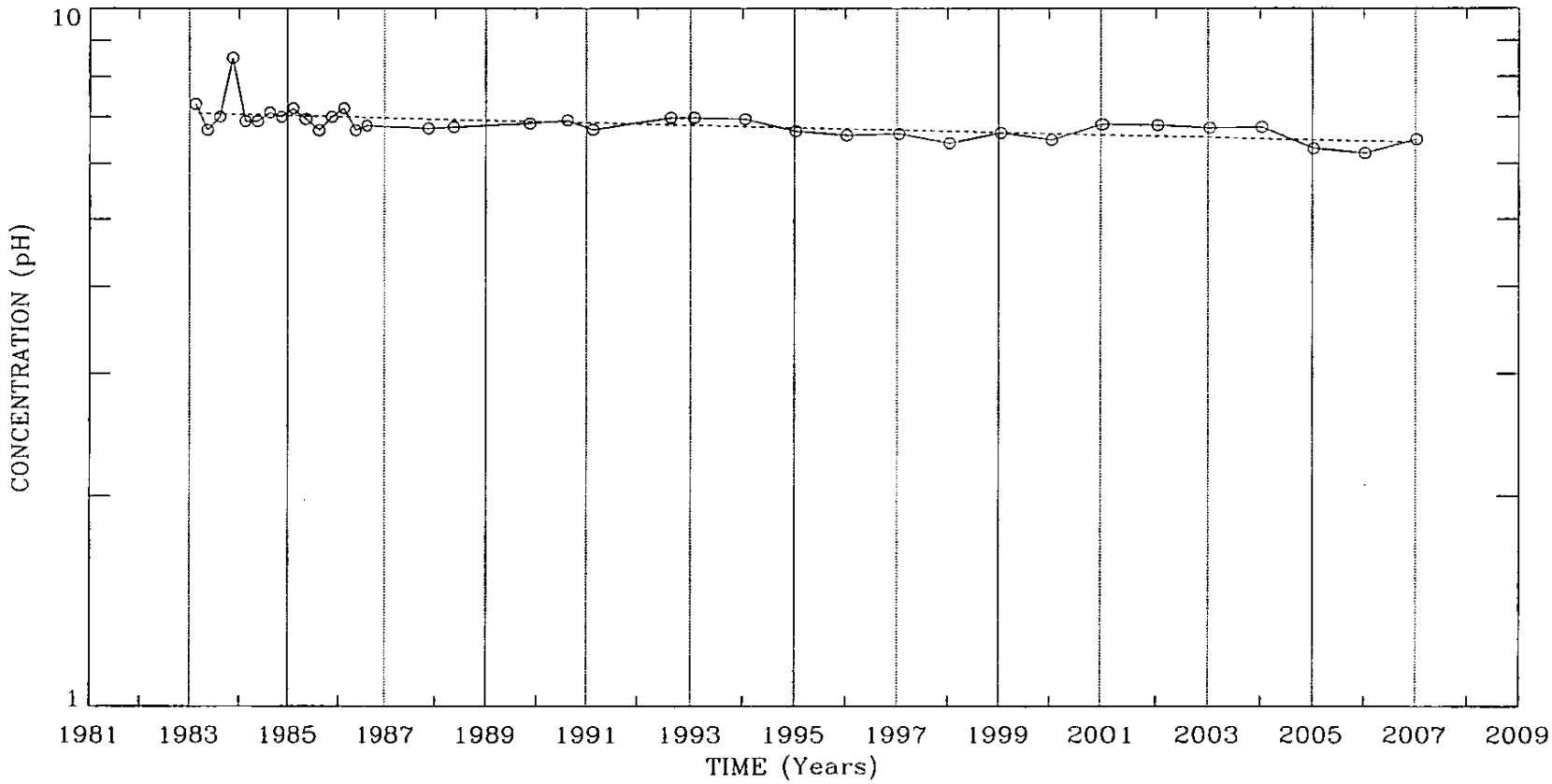

REGRESSION LINE EQUATION: $Y = 7.569E+000e^{-0.0007x}$

Well 01C UNIT 8
PH
Clean Harbors Baton Rouge, LLC



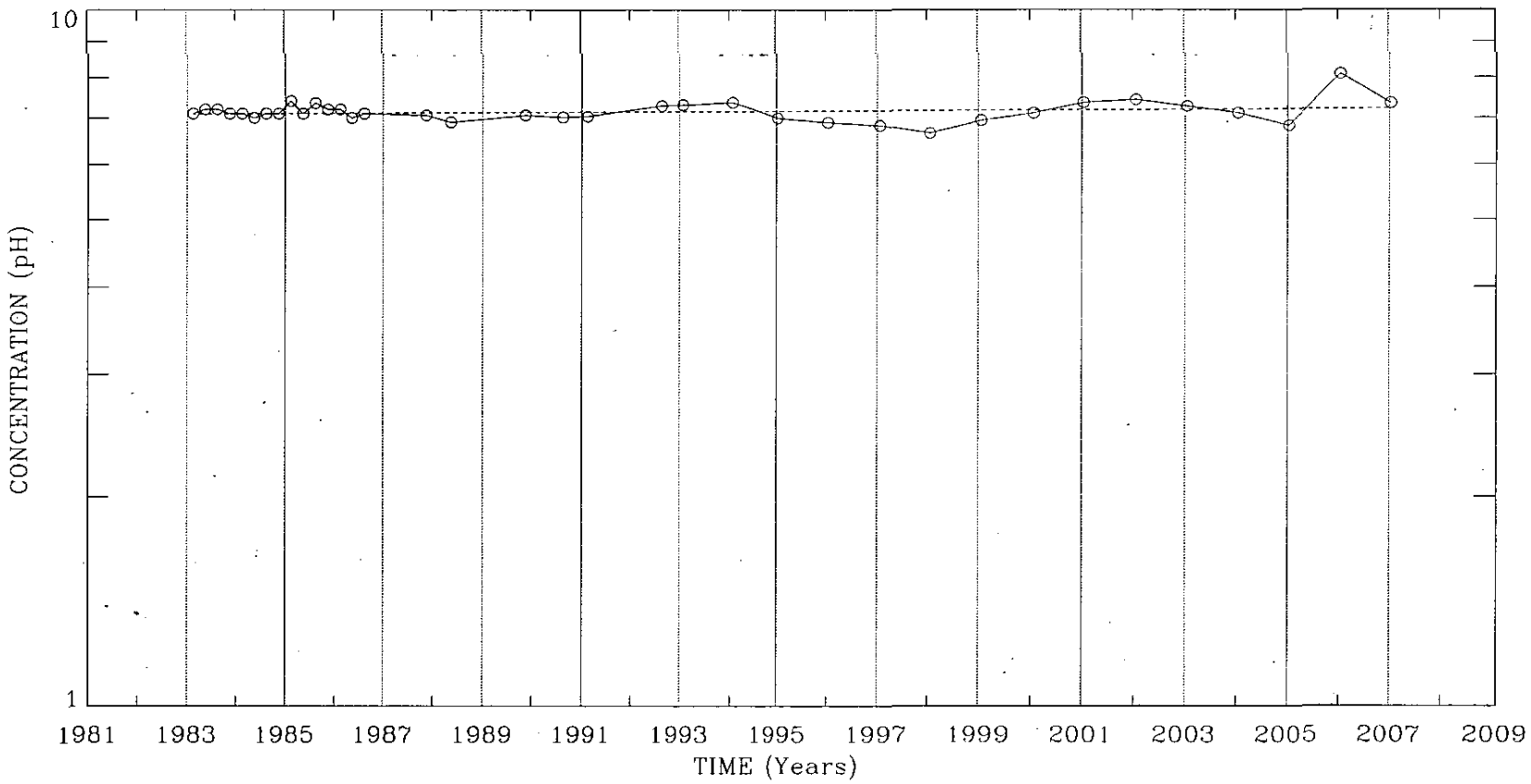

REGRESSION LINE EQUATION: $Y = 1.055E+001e^{-0.0039x}$

Well 02A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



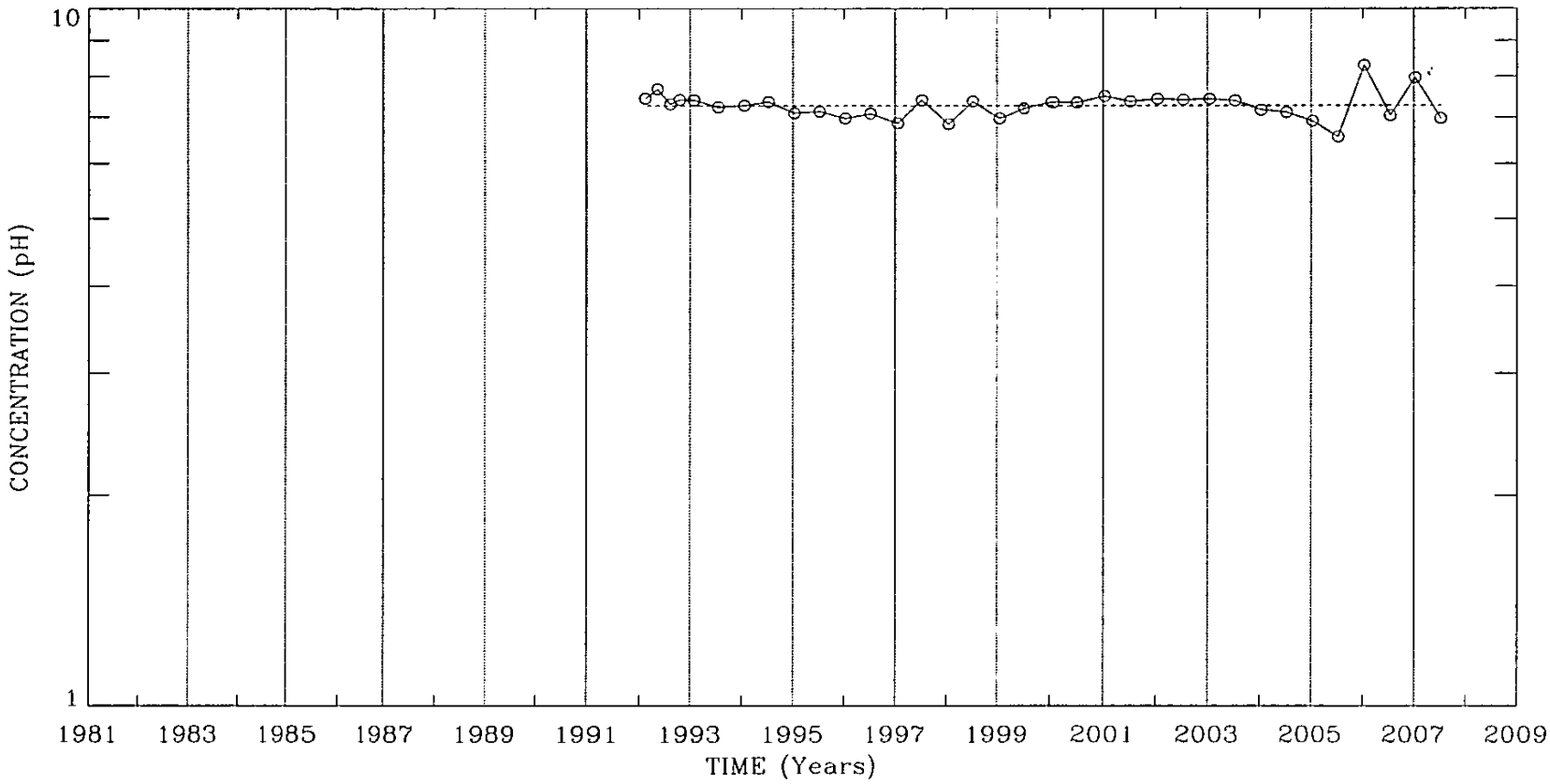

REGRESSION LINE EQUATION: $Y = 9.895E+000e^{-0.0040x}$

Well 03A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



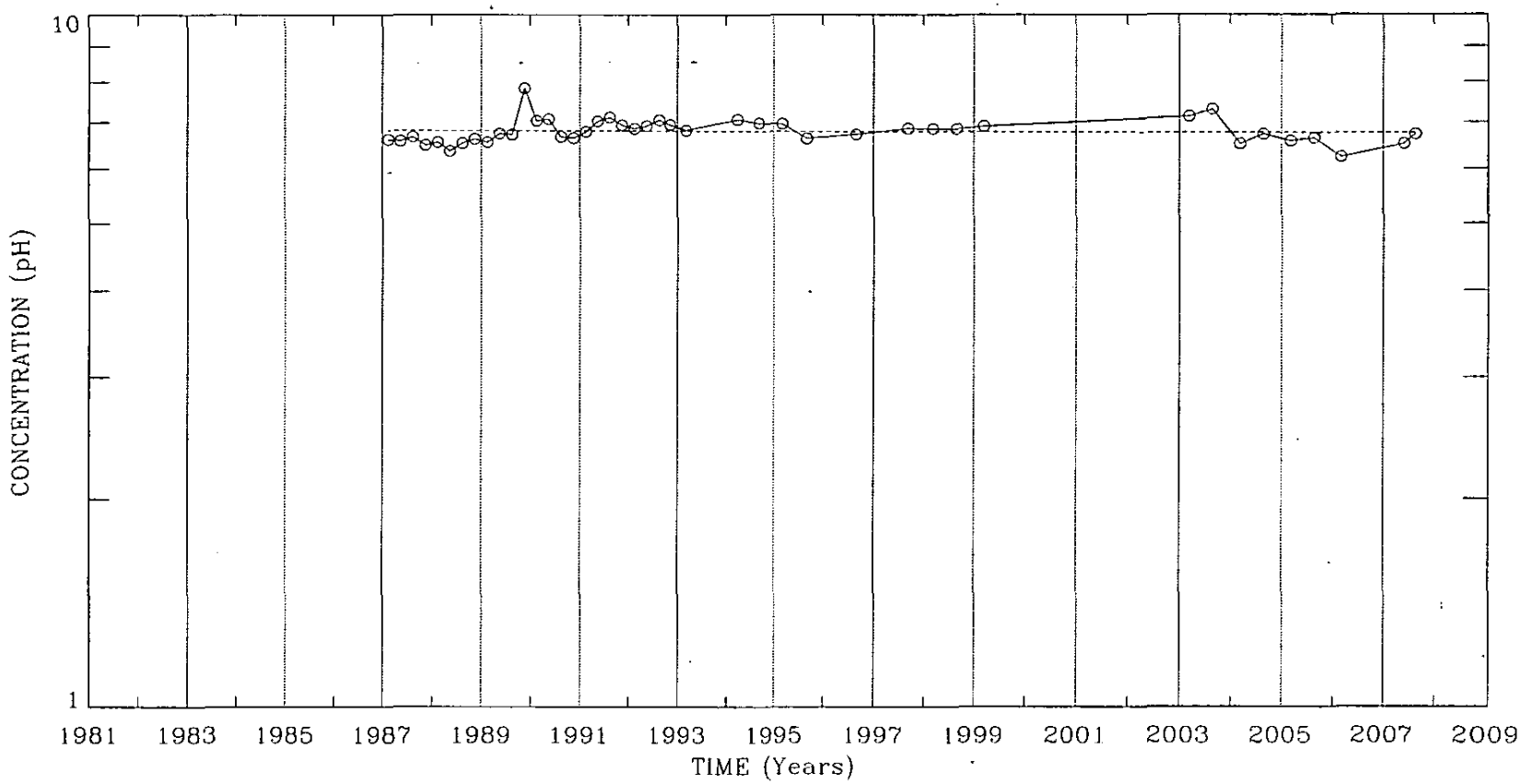

REGRESSION LINE EQUATION: $Y = 6.676E+000e^{0.0007x}$

Well 03C UNIT 8
PH
Clean Harbors Baton Rouge, LLC



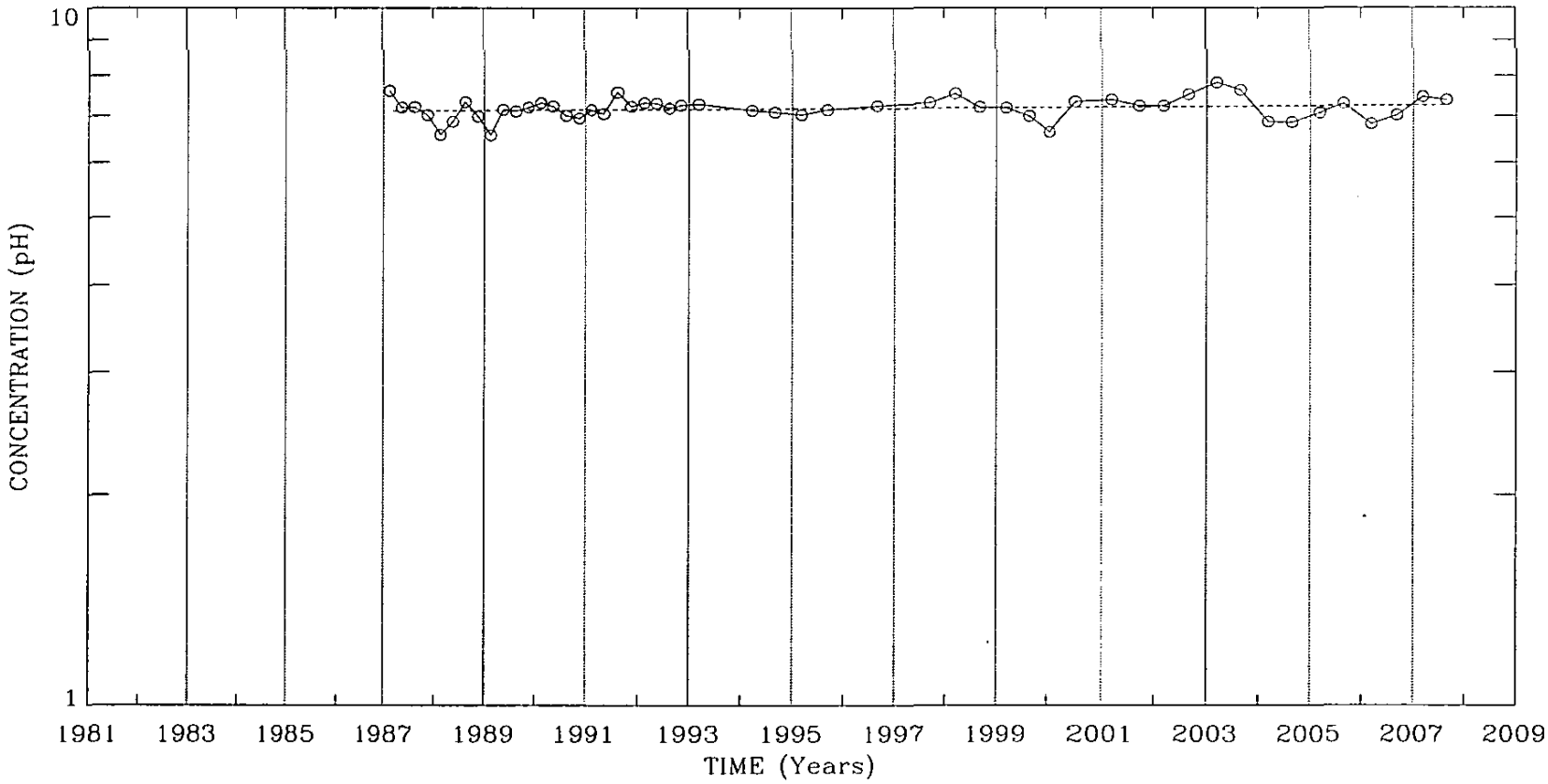

REGRESSION LINE EQUATION: $Y = 7.240E+000e^{0.0000x}$

Well 04A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



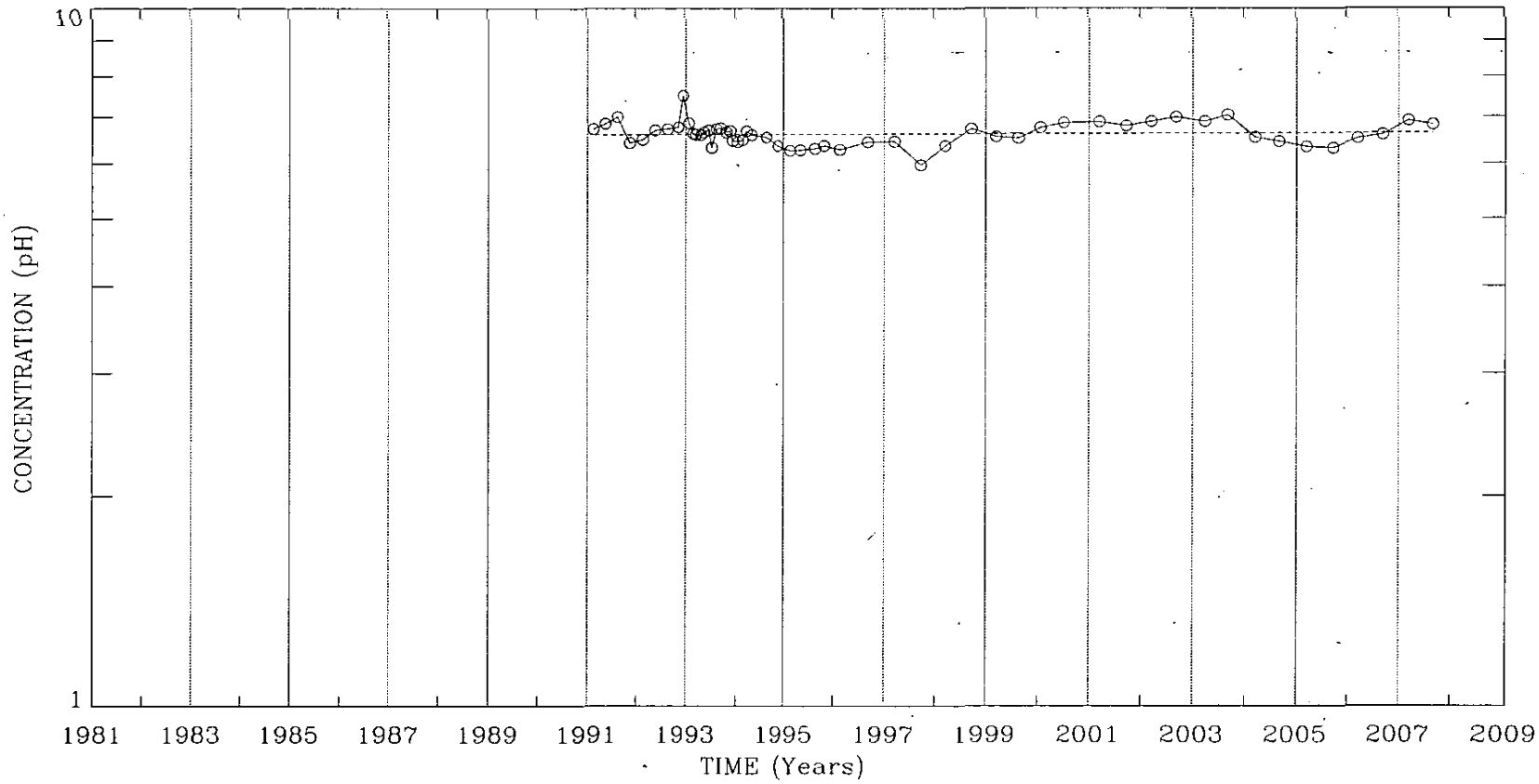

REGRESSION LINE EQUATION: $Y = 7.083E+000e^{-0.0004x}$

Well 04B UNIT 6
PH
Clean Harbors Baton Rouge, LLC



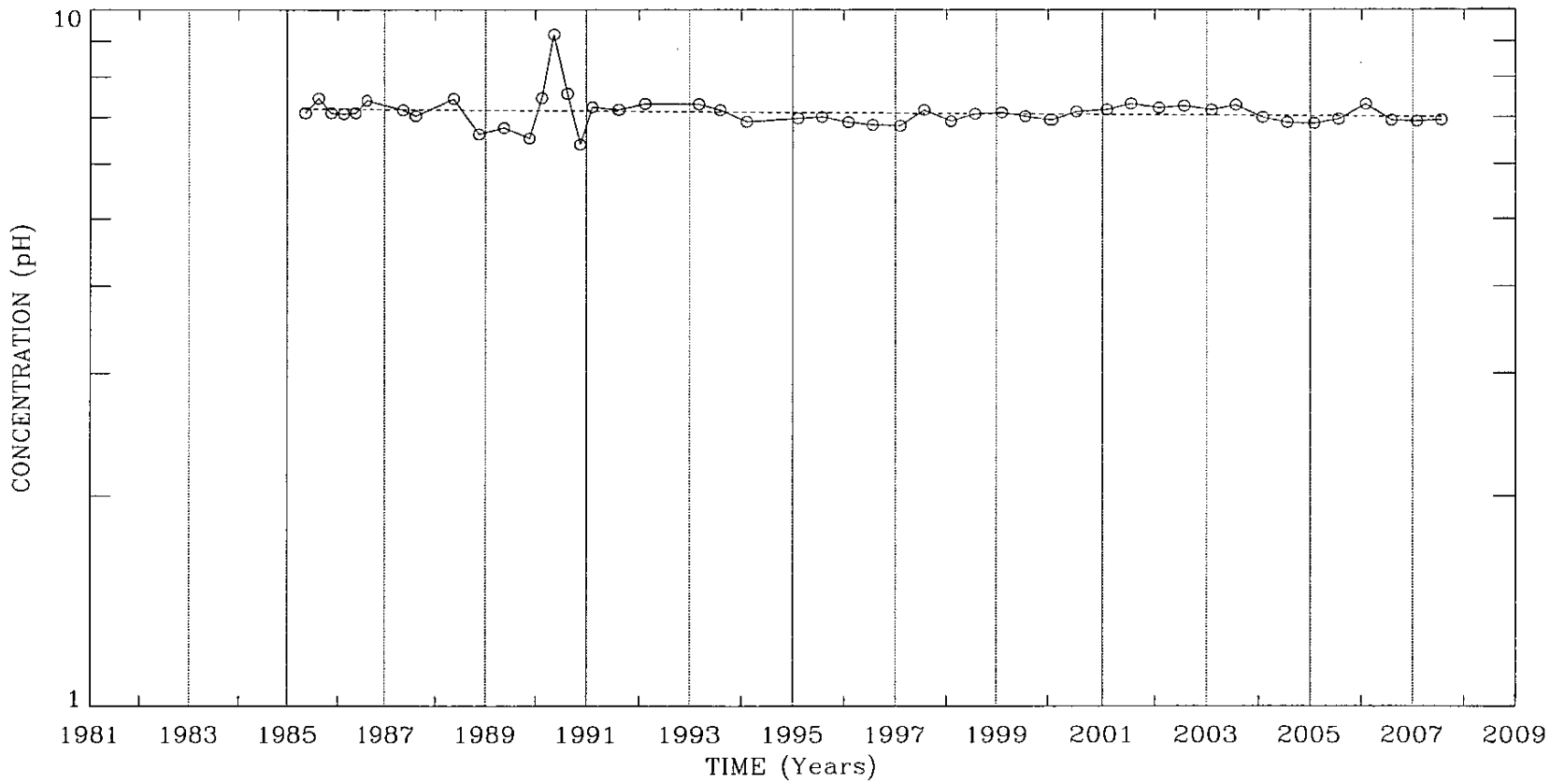

REGRESSION LINE EQUATION: $Y = 6.558E+000e^{0.0009x}$

Well 04B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



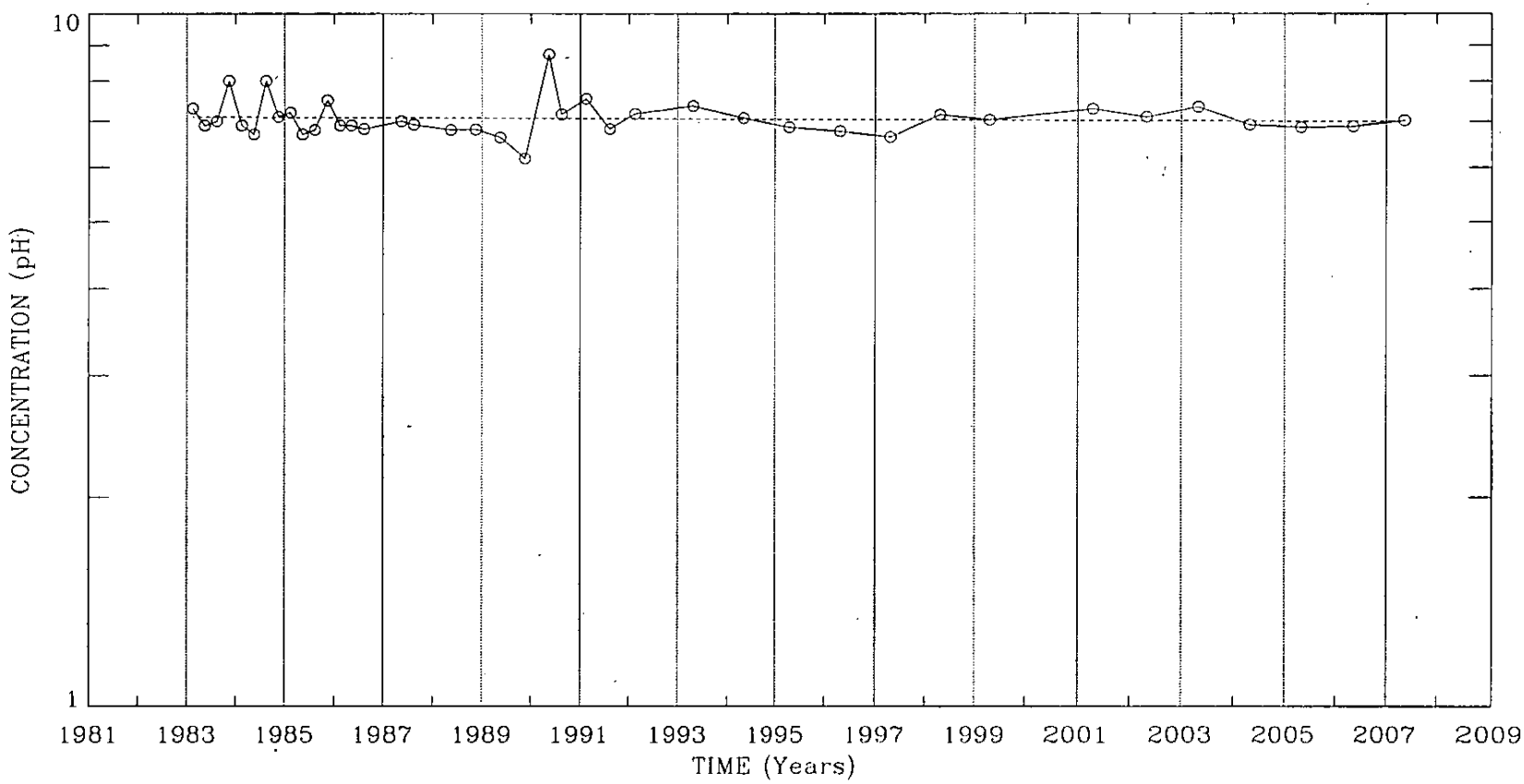

REGRESSION LINE EQUATION: $Y = 6.352E+000e^{0.0004x}$

Well 04B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



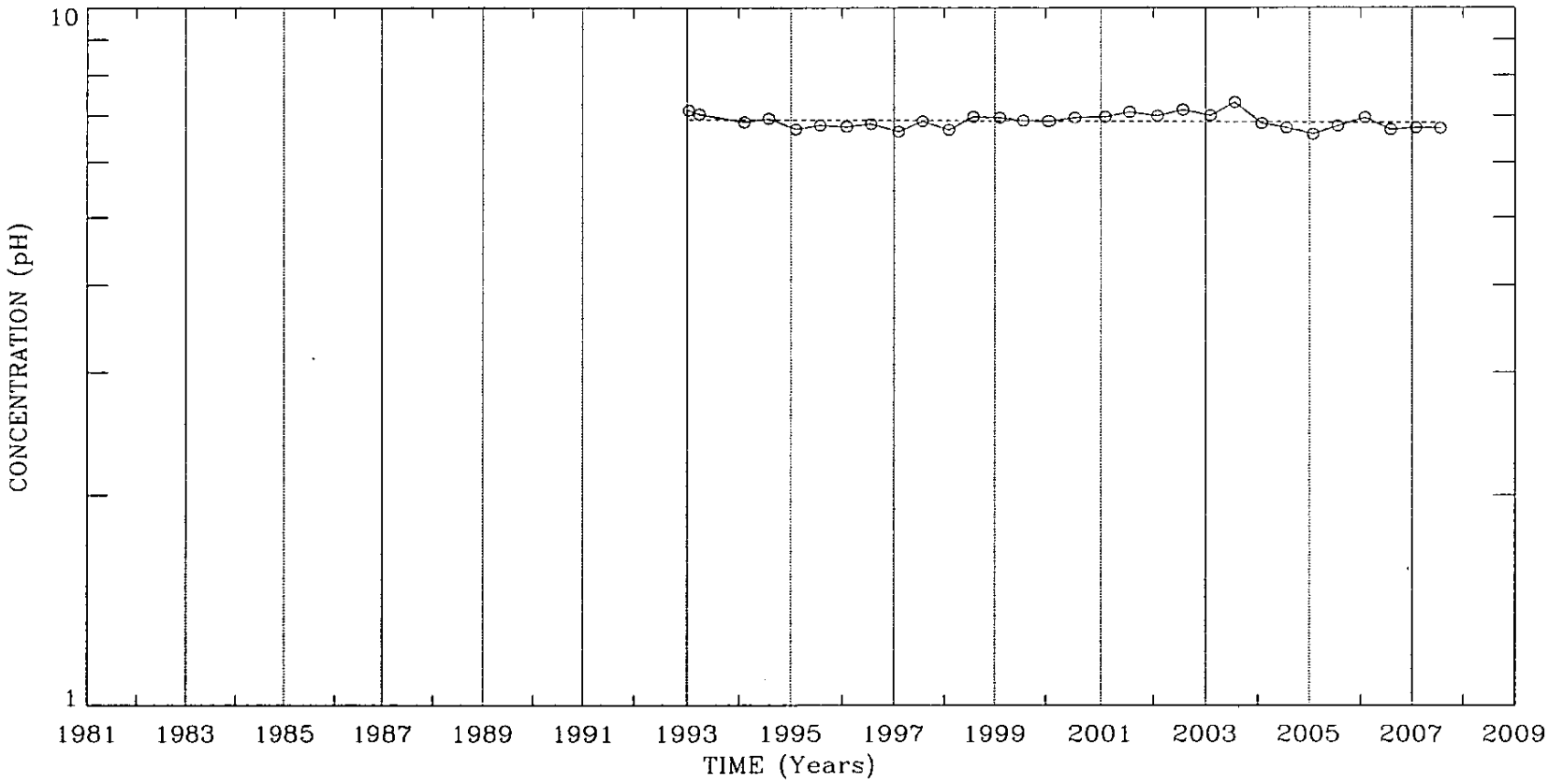

REGRESSION LINE EQUATION: $Y = 7.955E+000e^{-0.0012x}$

Well 04C UNIT 8
PH
Clean Harbors Baton Rouge, LLC



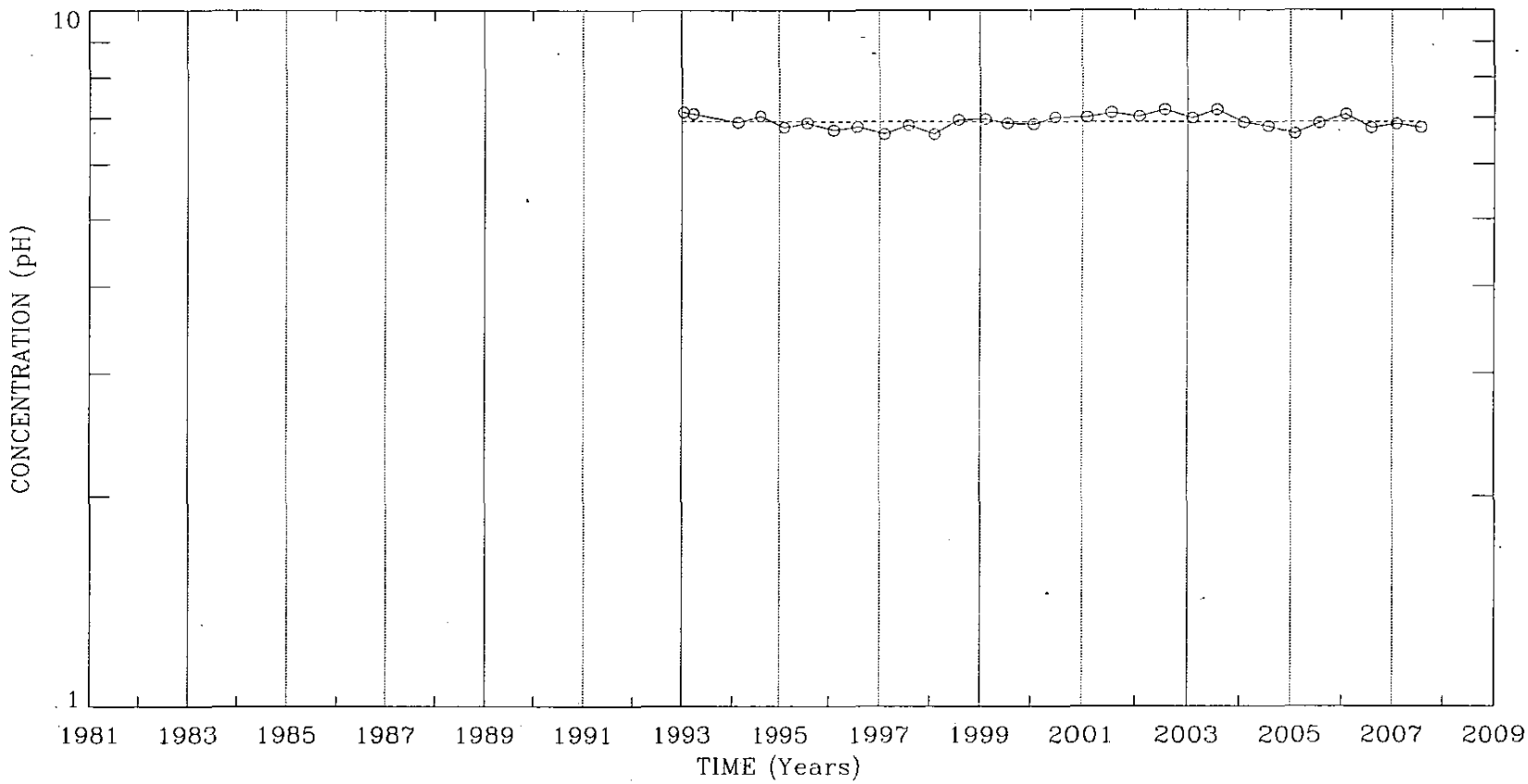

REGRESSION LINE EQUATION: $Y = 7.459E+000e^{-0.0006x}$

Well 04CL UNIT 8
PH
Clean Harbors Baton Rouge, LLC



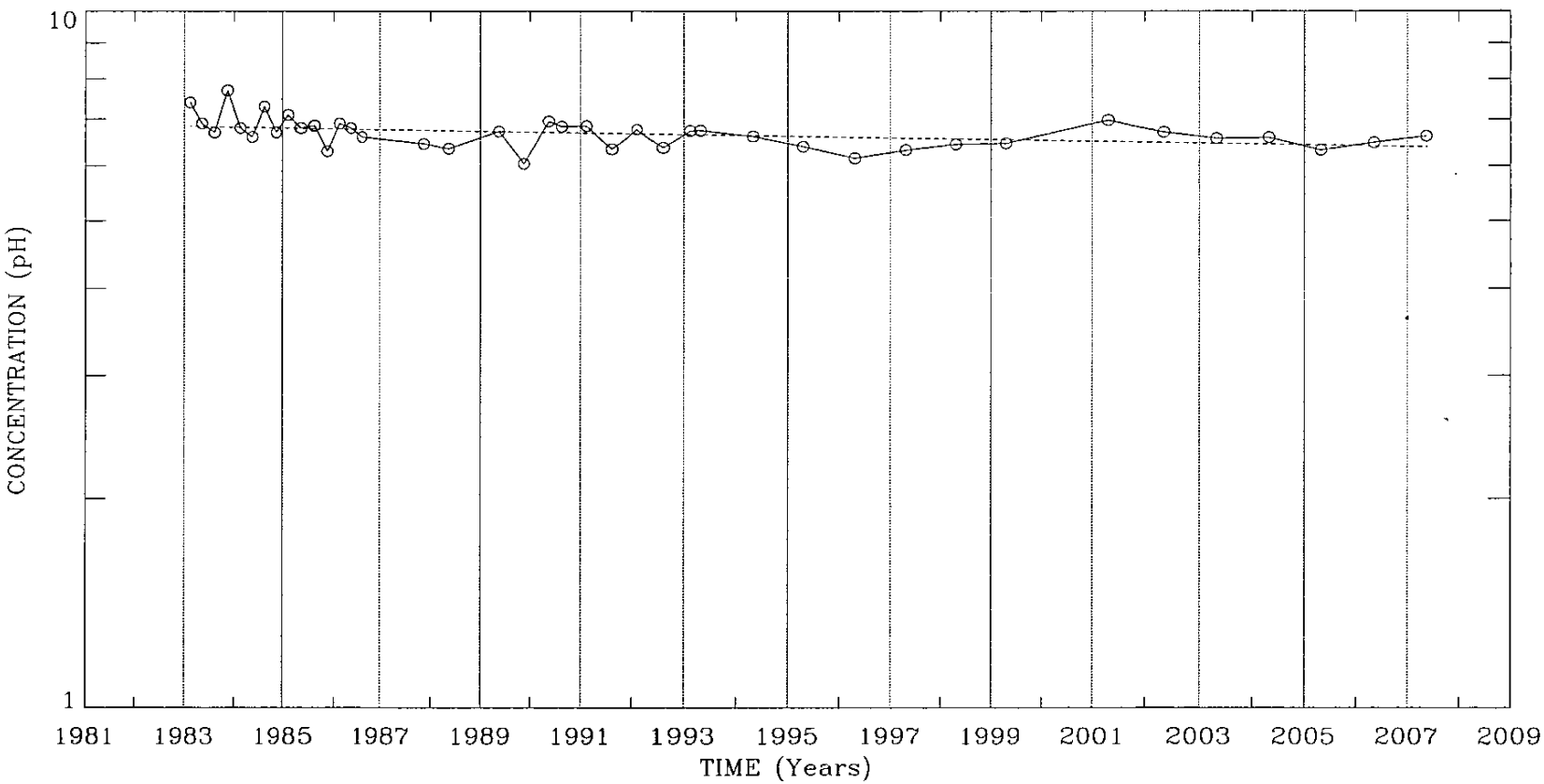

REGRESSION LINE EQUATION: $Y = 7.424E+000e^{-0.0008x}$

Well 04CU UNIT 8
PH
Clean Harbors Baton Rouge, LLC



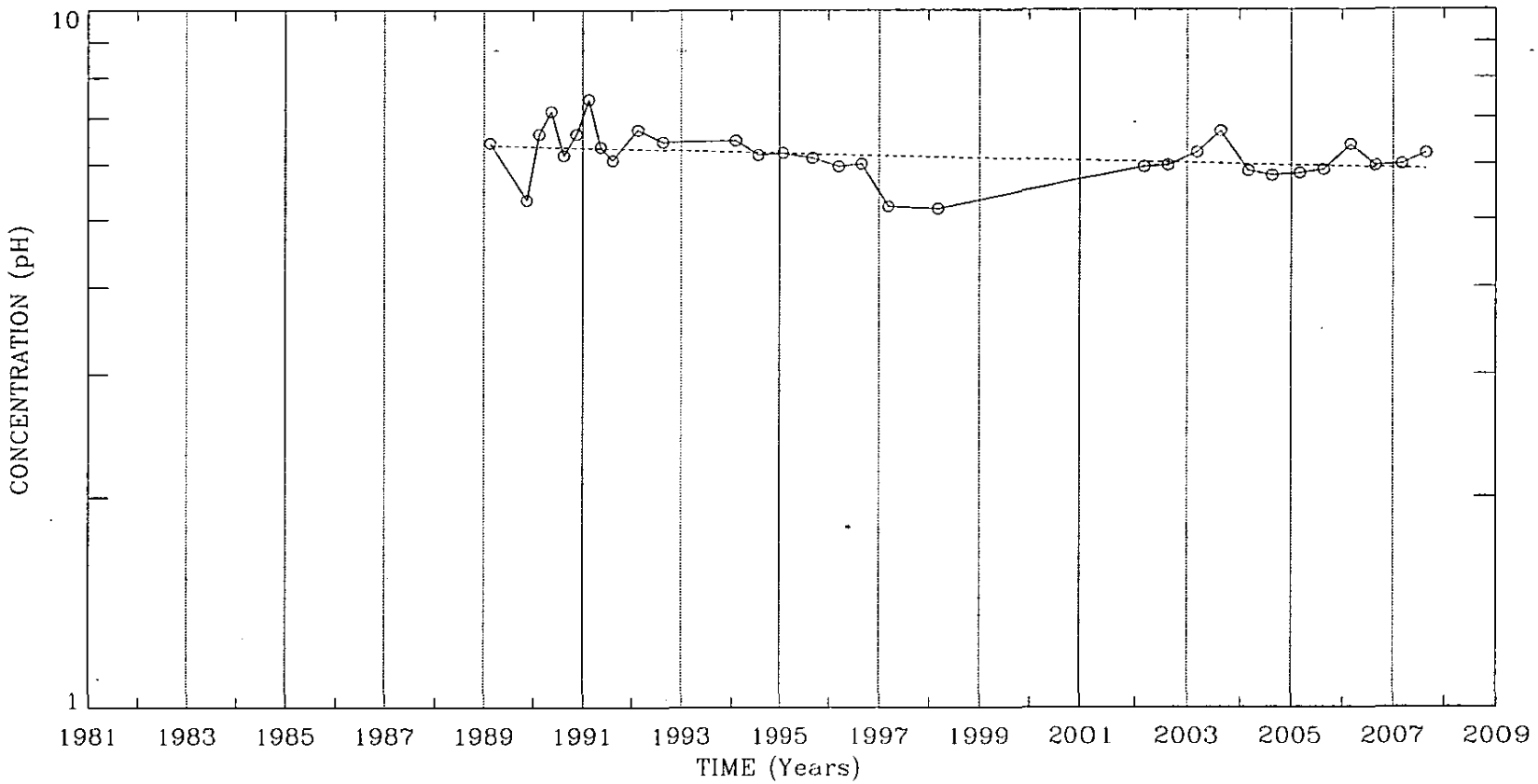

REGRESSION LINE EQUATION: $Y = 7.071E+000e^{-0.0002x}$

Well 05A UNIT 4
PH
Clean Harbors Baton Rouge, LLC



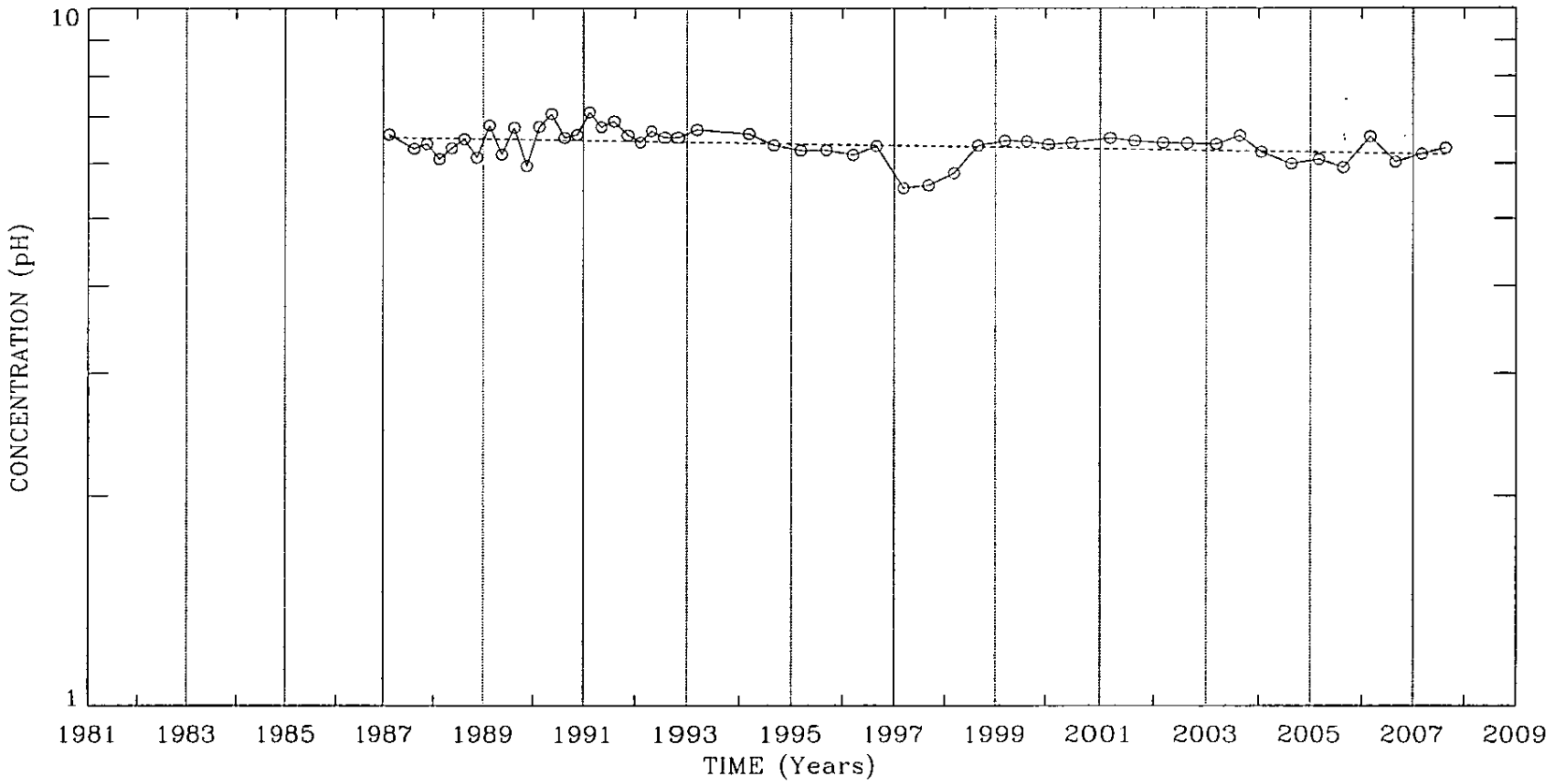

REGRESSION LINE EQUATION: $Y = 8.603E+000e^{-0.0028x}$

Well 05AR UNIT 3
PH
Clean Harbors Baton Rouge, LLC



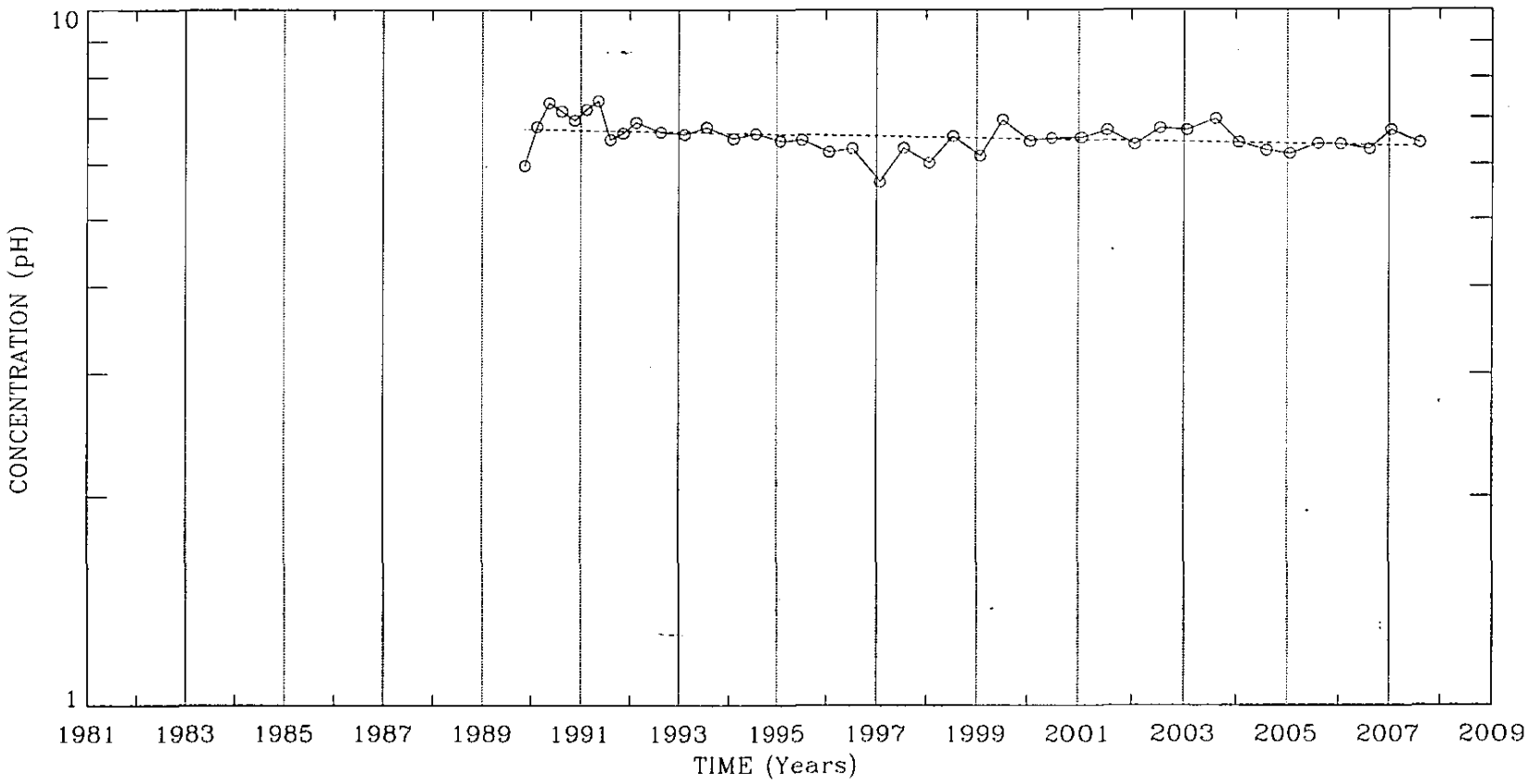

REGRESSION LINE EQUATION: $Y = 9.241E+000e^{-0.0041x}$

Well 05B UNIT 4
PH
Clean Harbors Baton Rouge, LLC



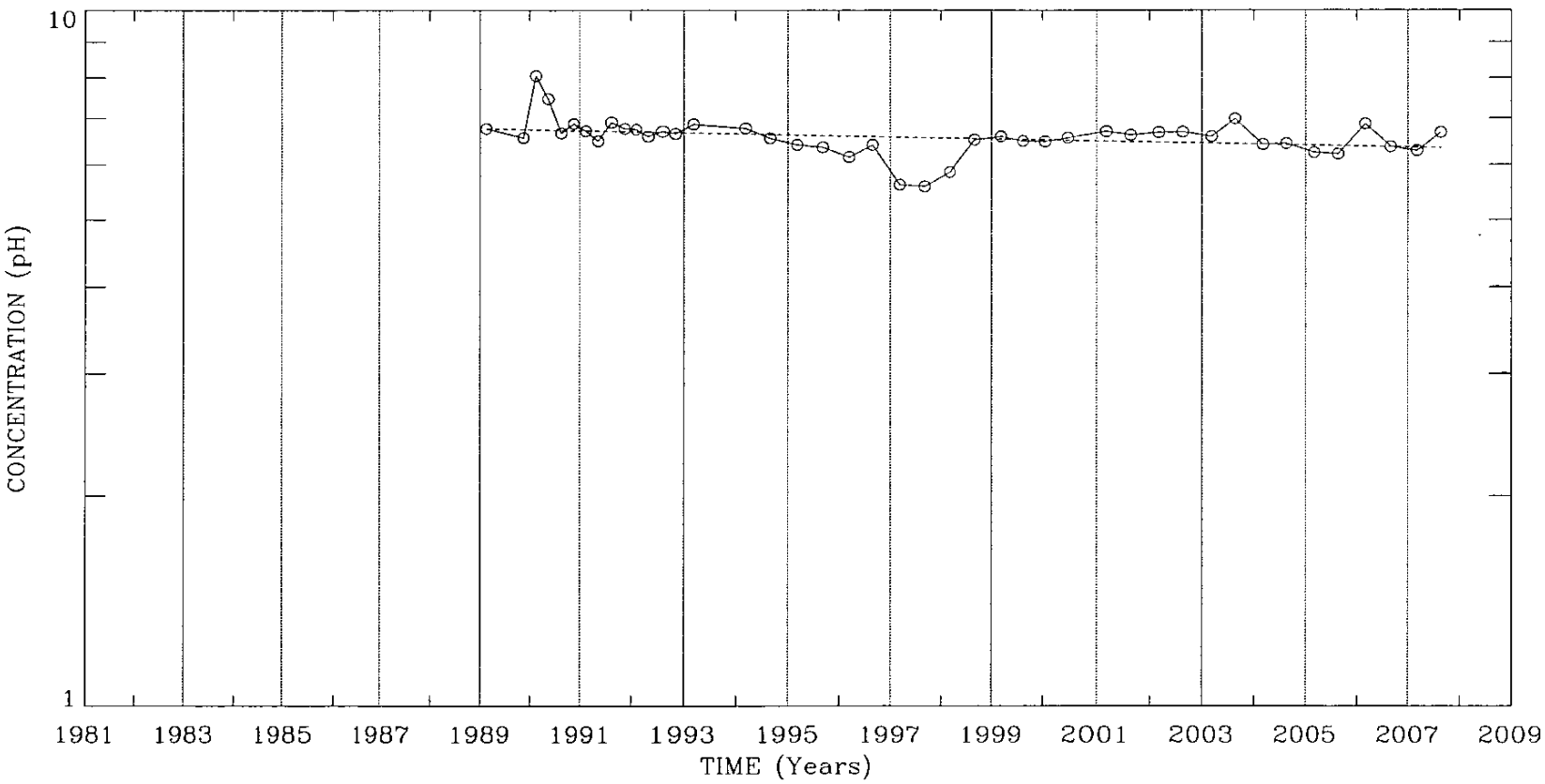

REGRESSION LINE EQUATION: $Y = 8.303E+000e^{-0.0027x}$

Well 05B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



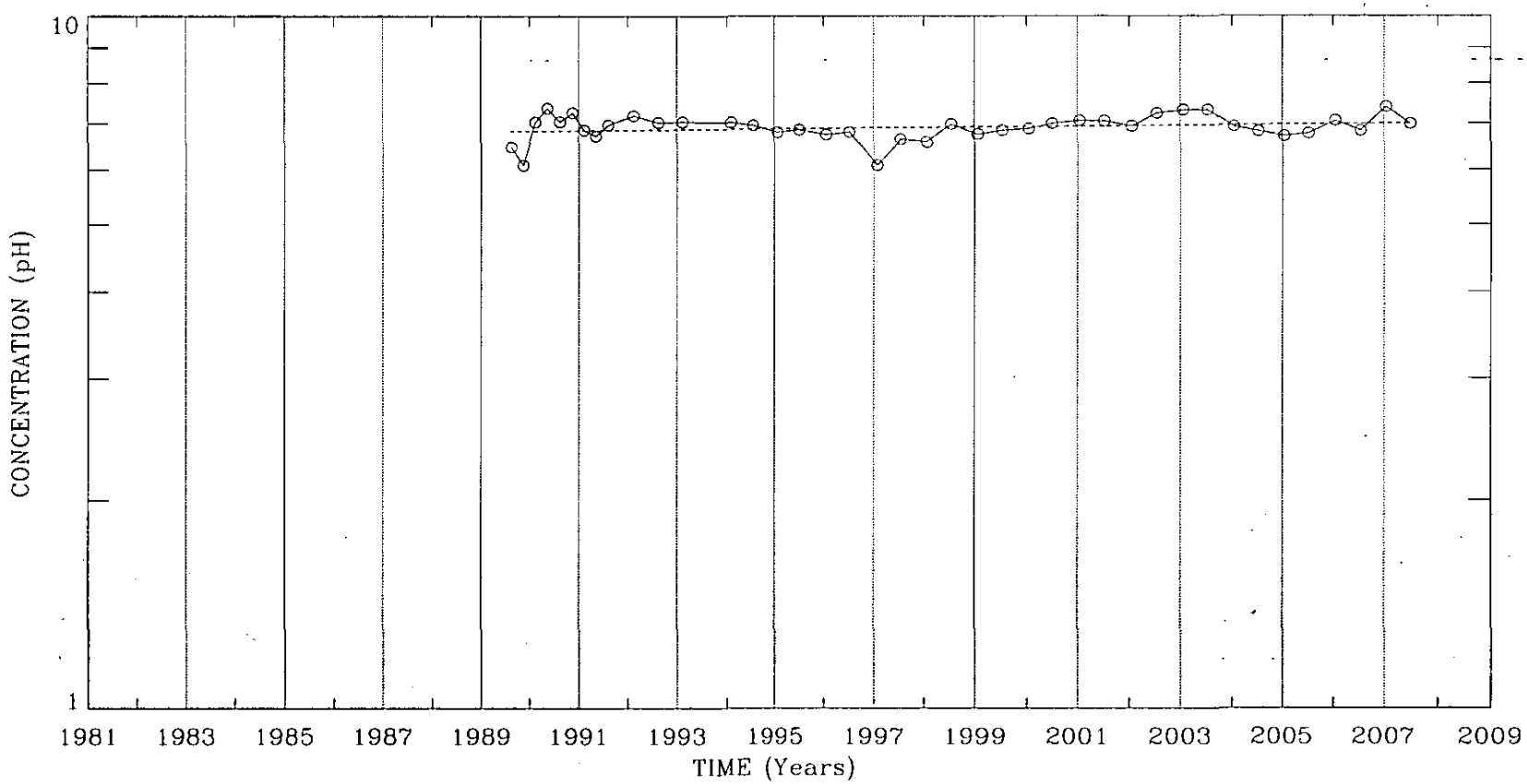

REGRESSION LINE EQUATION: $Y = 8.955E+000e^{-0.0032x}$

Well 05B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



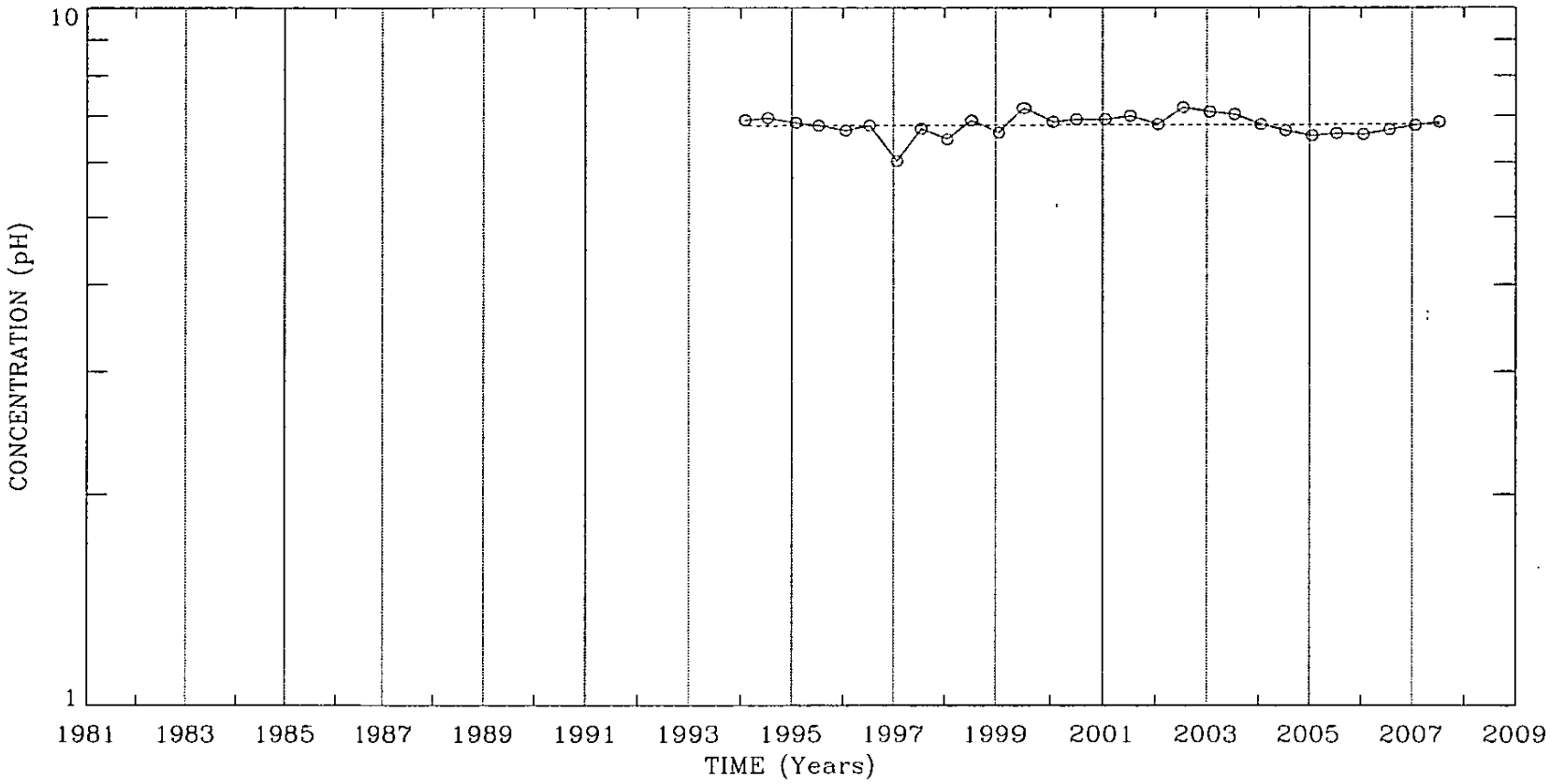

REGRESSION LINE EQUATION: $Y = 9.132E+000e^{-0.0034x}$

Well 05C UNIT 8
PH
Clean Harbors Baton Rouge, LLC



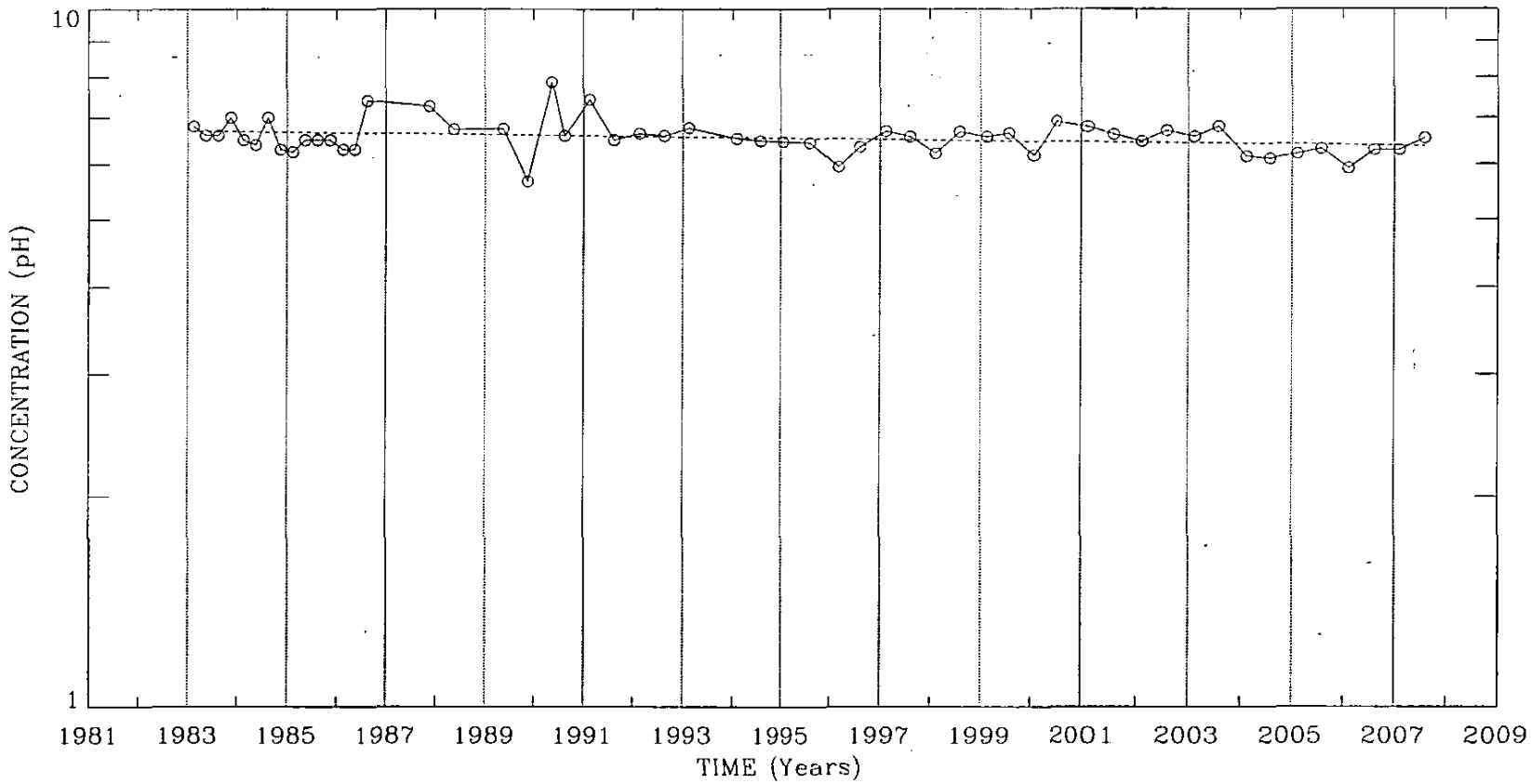

REGRESSION LINE EQUATION: $Y = 5.984E+000e^{0.0015x}$

Well 05CU UNIT 8
PH
Clean Harbors Baton Rouge, LLC



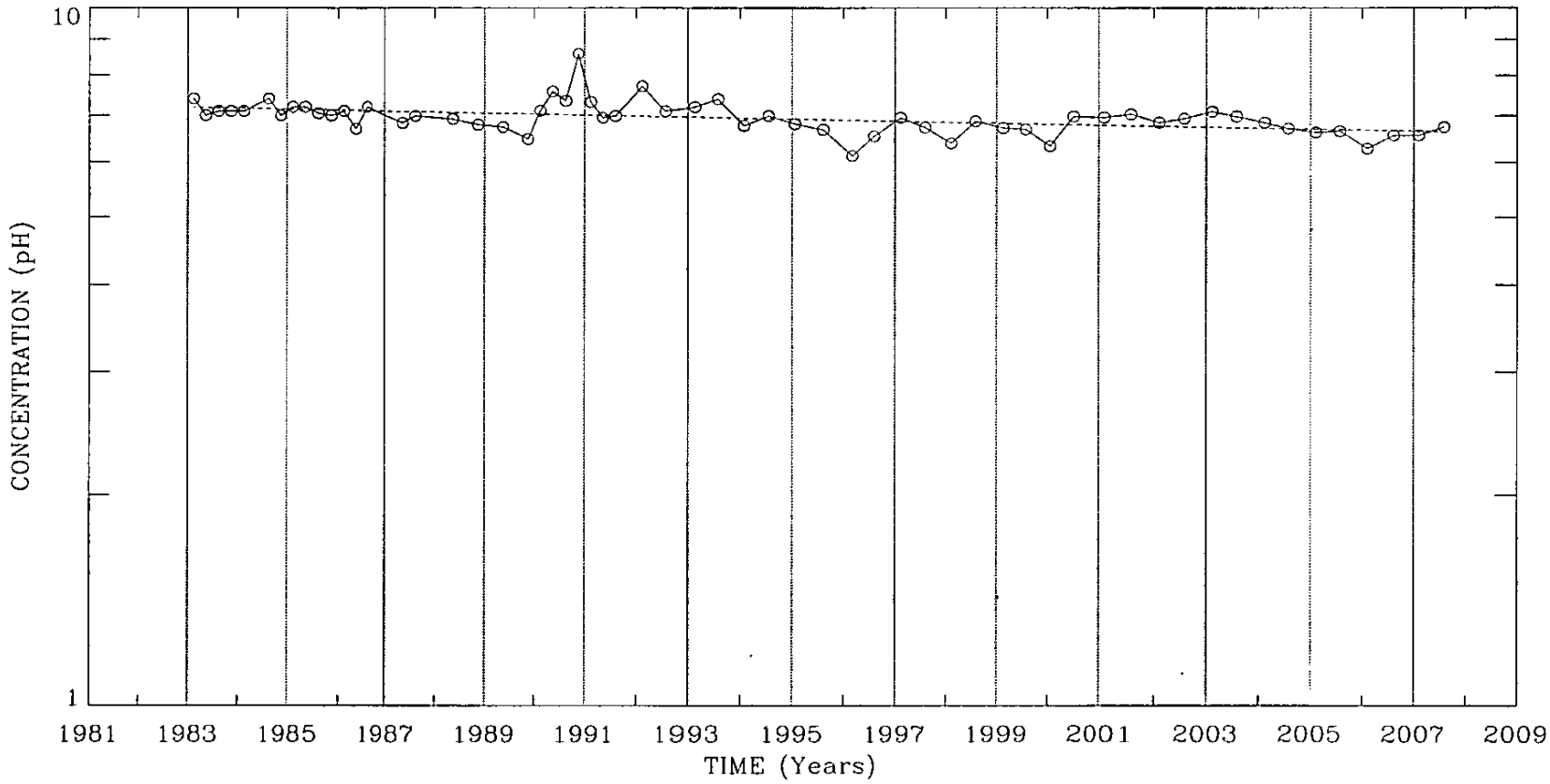

REGRESSION LINE EQUATION: $Y = 6.545E+000e^{0.0004x}$

Well 06A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



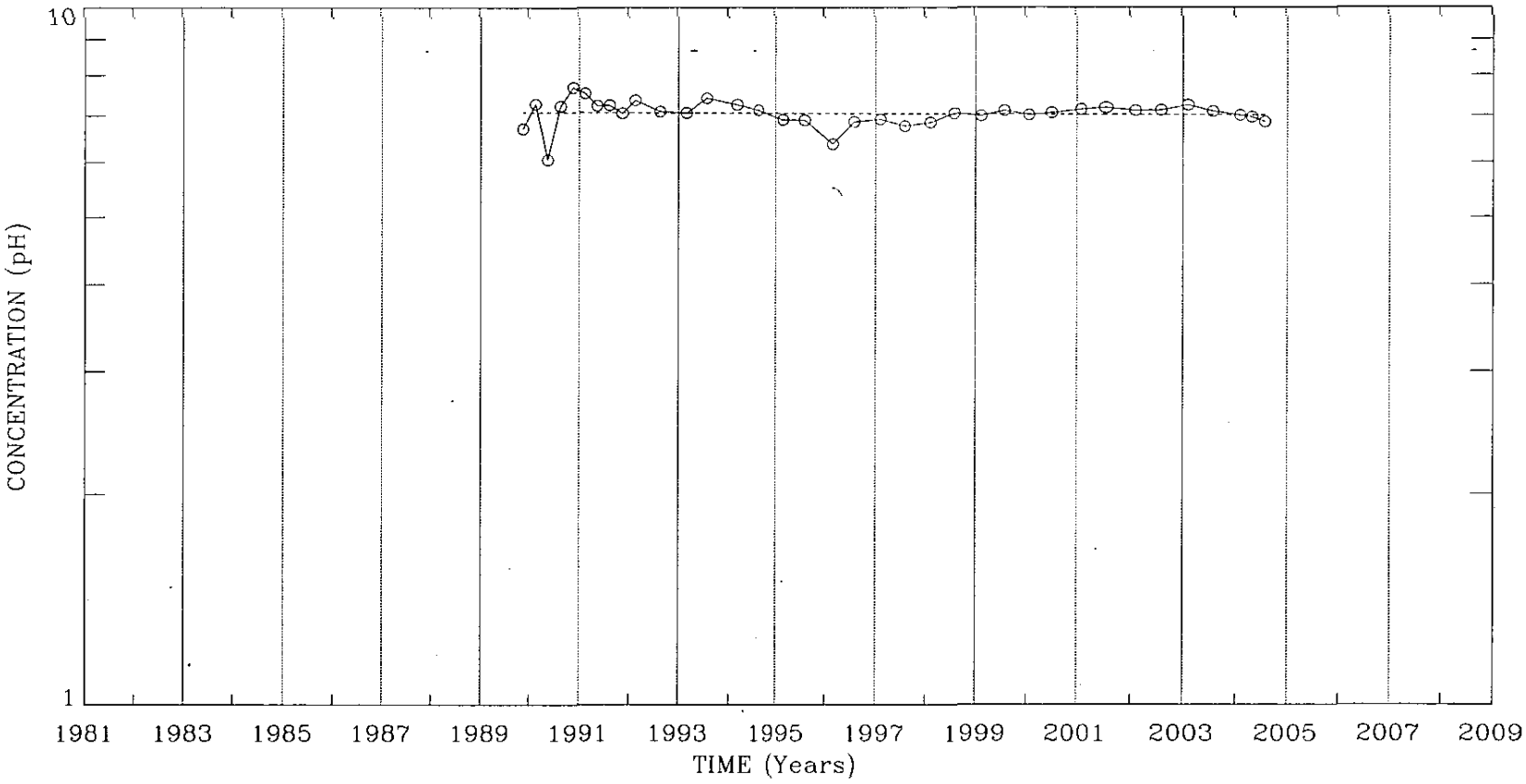

REGRESSION LINE EQUATION: $Y = 7.931E+000e^{-0.0020x}$

Well 06B UNIT 4
PH
Clean Harbors Baton Rouge, LLC



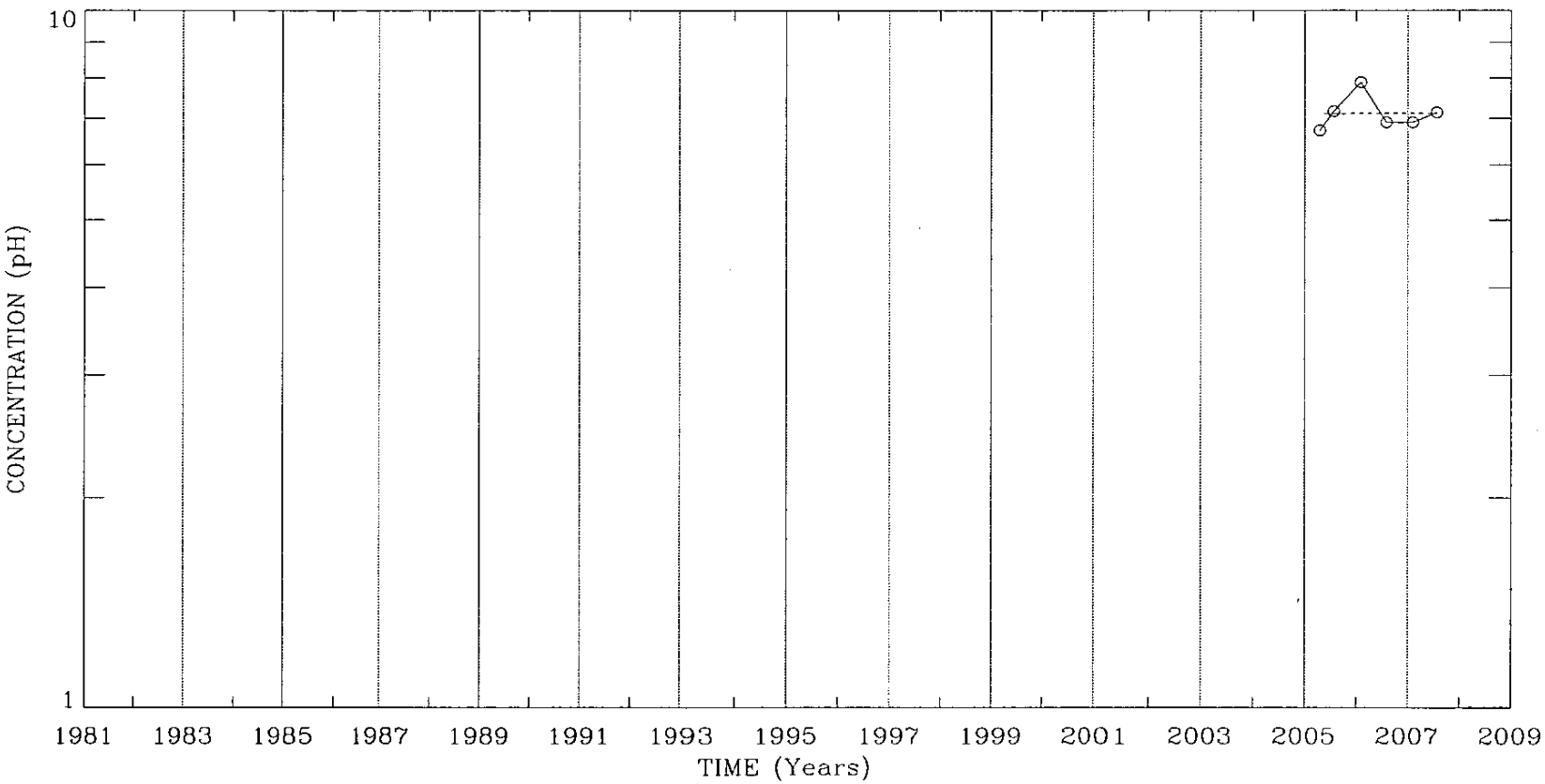

REGRESSION LINE EQUATION: $Y = 9.461E+000e^{-0.0033x}$

Well 06B-2 UNIT 8
PH
Clean Harbors Baton Rouge, LLC



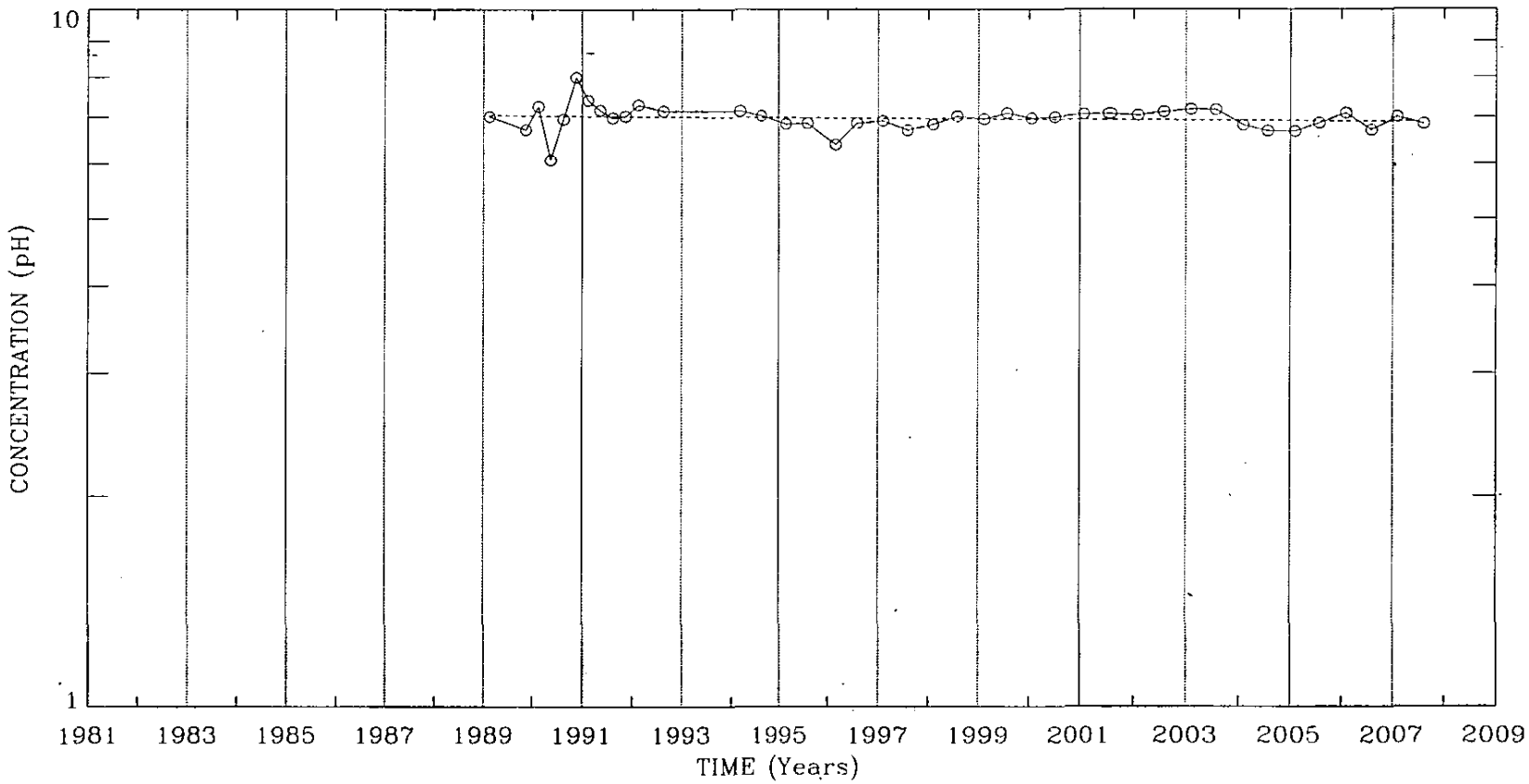

REGRESSION LINE EQUATION: $Y = 7.517E+000e^{-0.0007x}$

Well 06B-2R UNIT 8
PH
Clean Harbors Baton Rouge, LLC



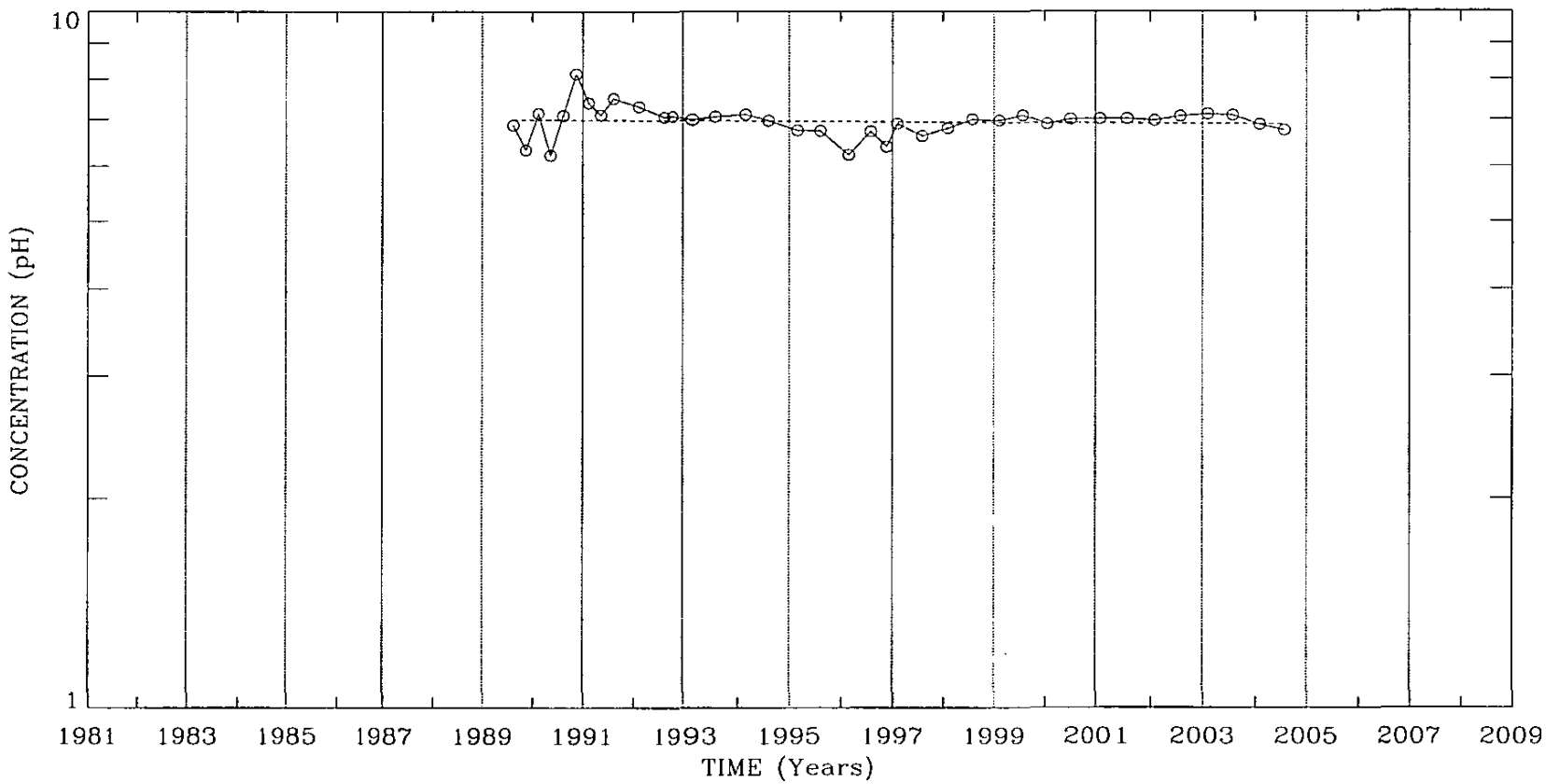

REGRESSION LINE EQUATION: $Y = 6.944E+000e^{0.0002x}$

Well 06BR UNIT 6
PH
Clean Harbors Baton Rouge, LLC



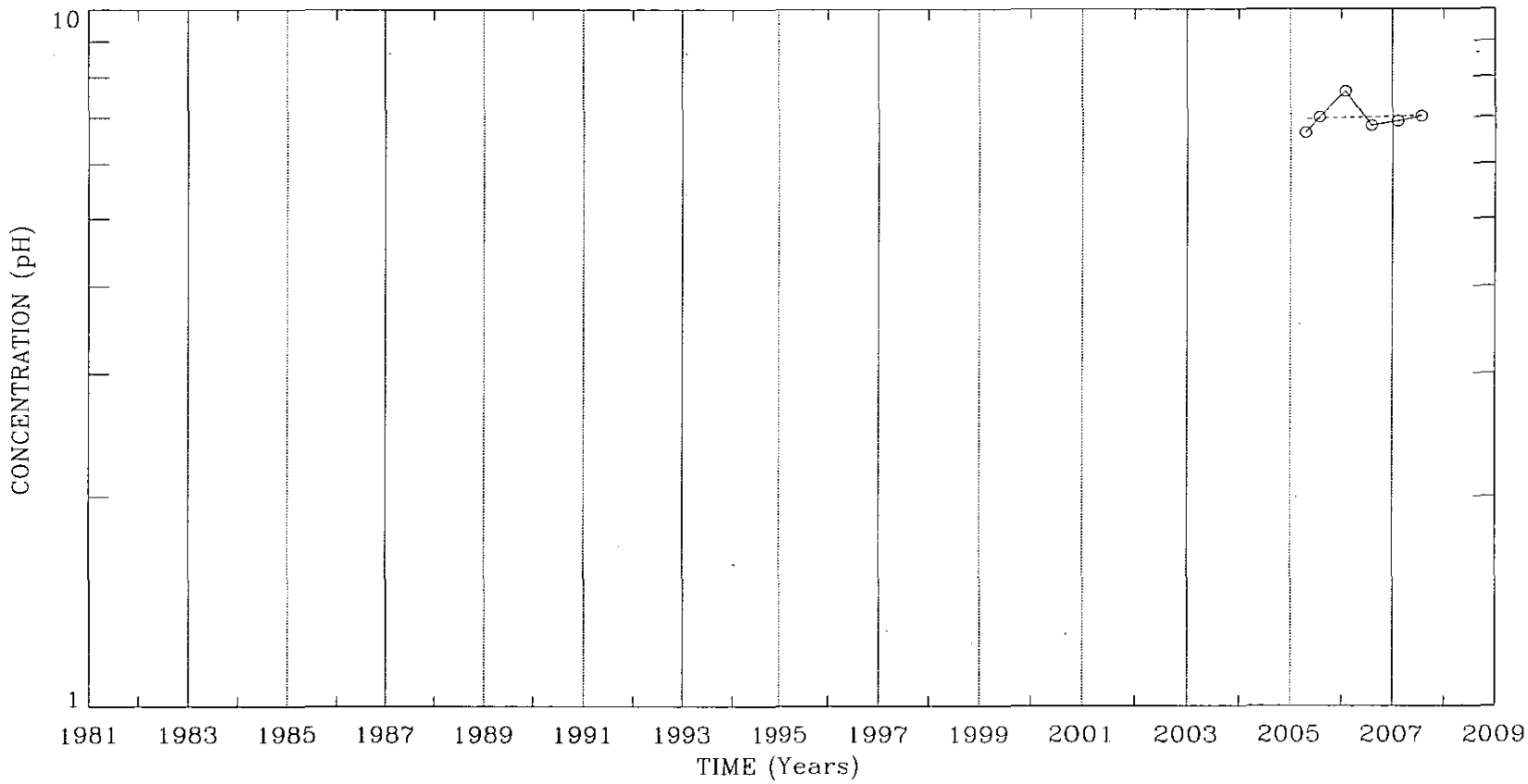

REGRESSION LINE EQUATION: $Y = 7.766E+000e^{-0.0011x}$

Well 06C UNIT 8
PH
Clean Harbors Baton Rouge, LLC



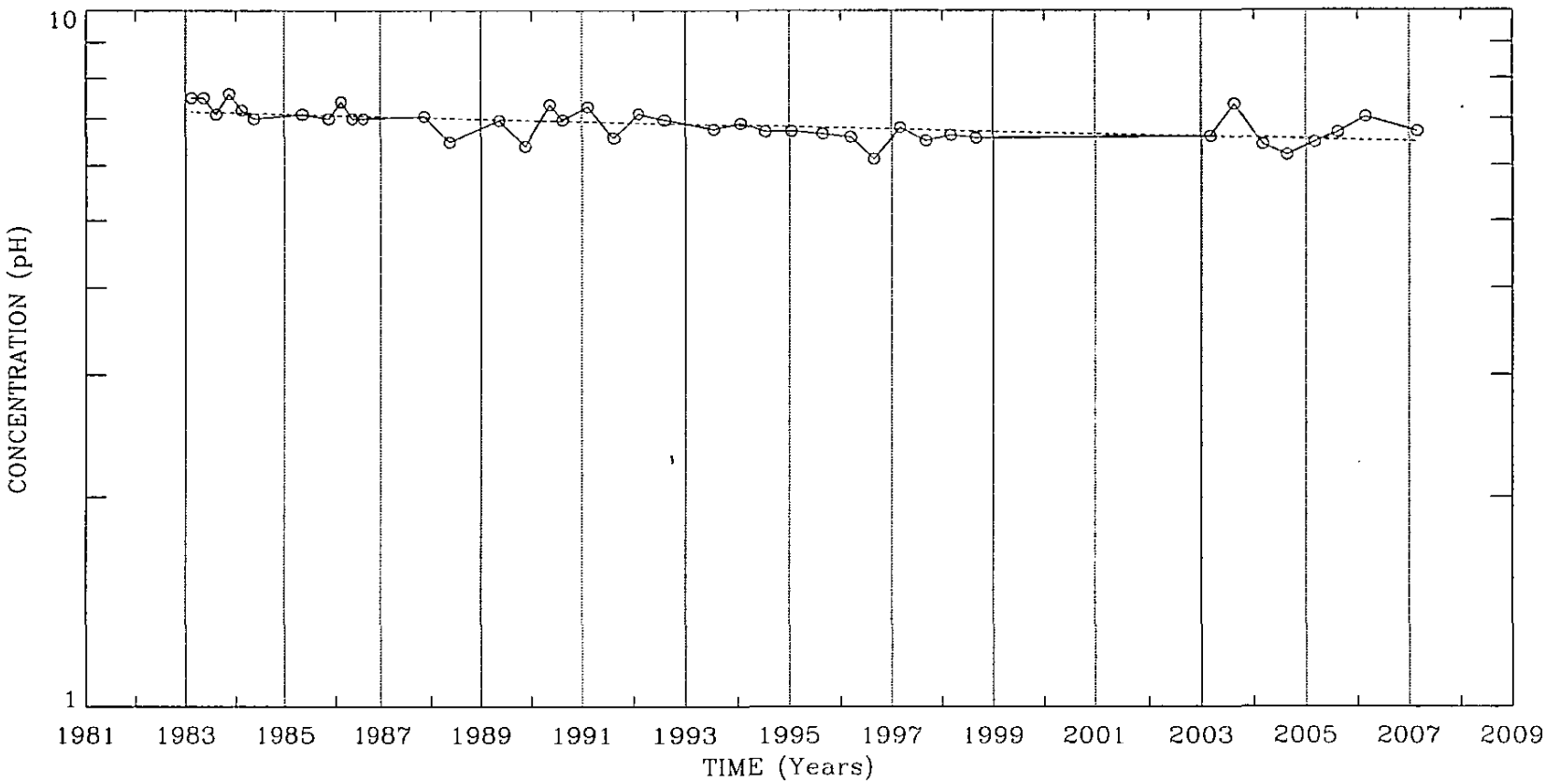

REGRESSION LINE EQUATION: $Y = 7.683E+000e^{-0.0010x}$

Well 06CR Unit 8
PH
Clean Harbors Baton Rouge, LLC



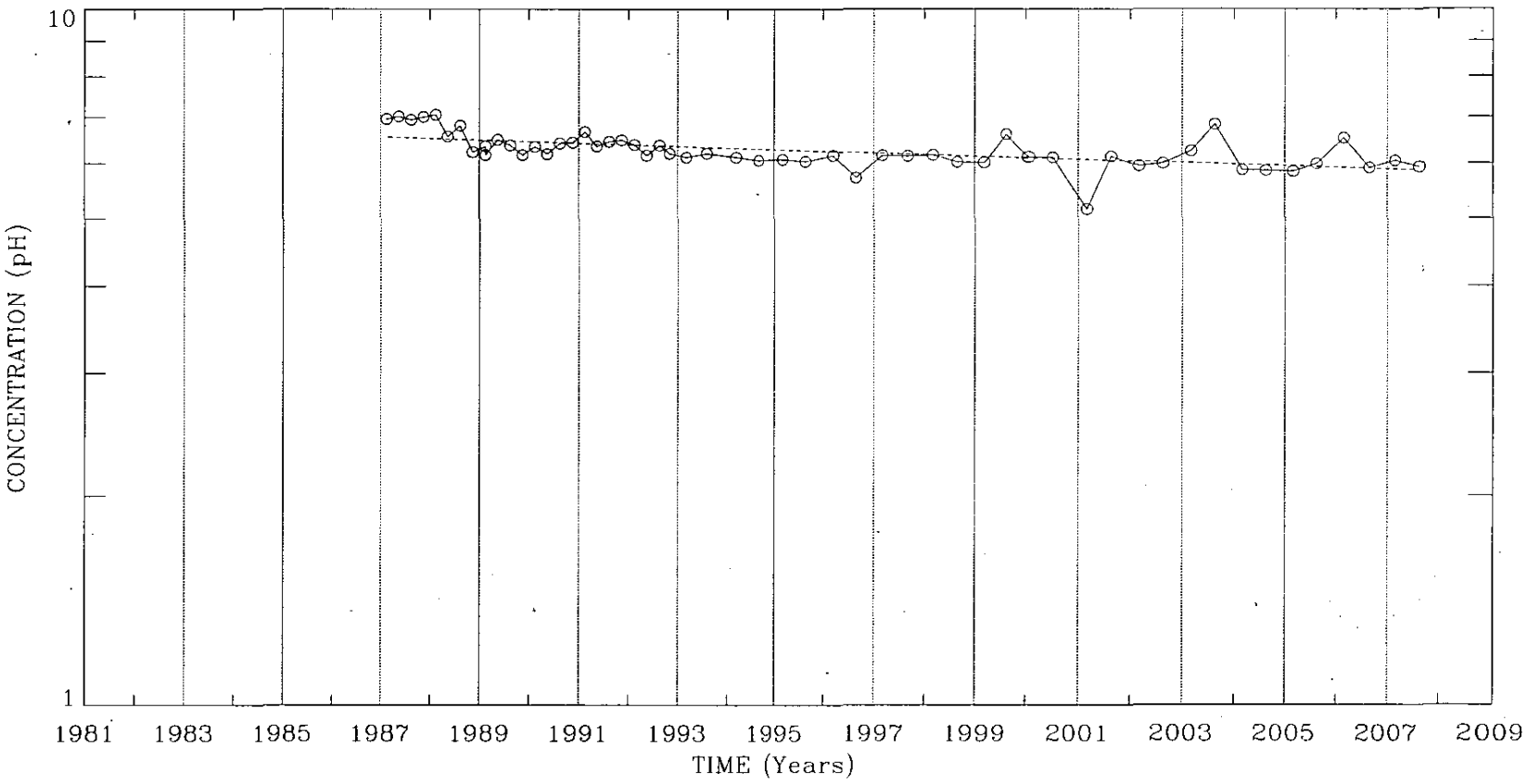

REGRESSION LINE EQUATION: $Y = 4.137E+000e^{0.0049x}$

Well 07A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



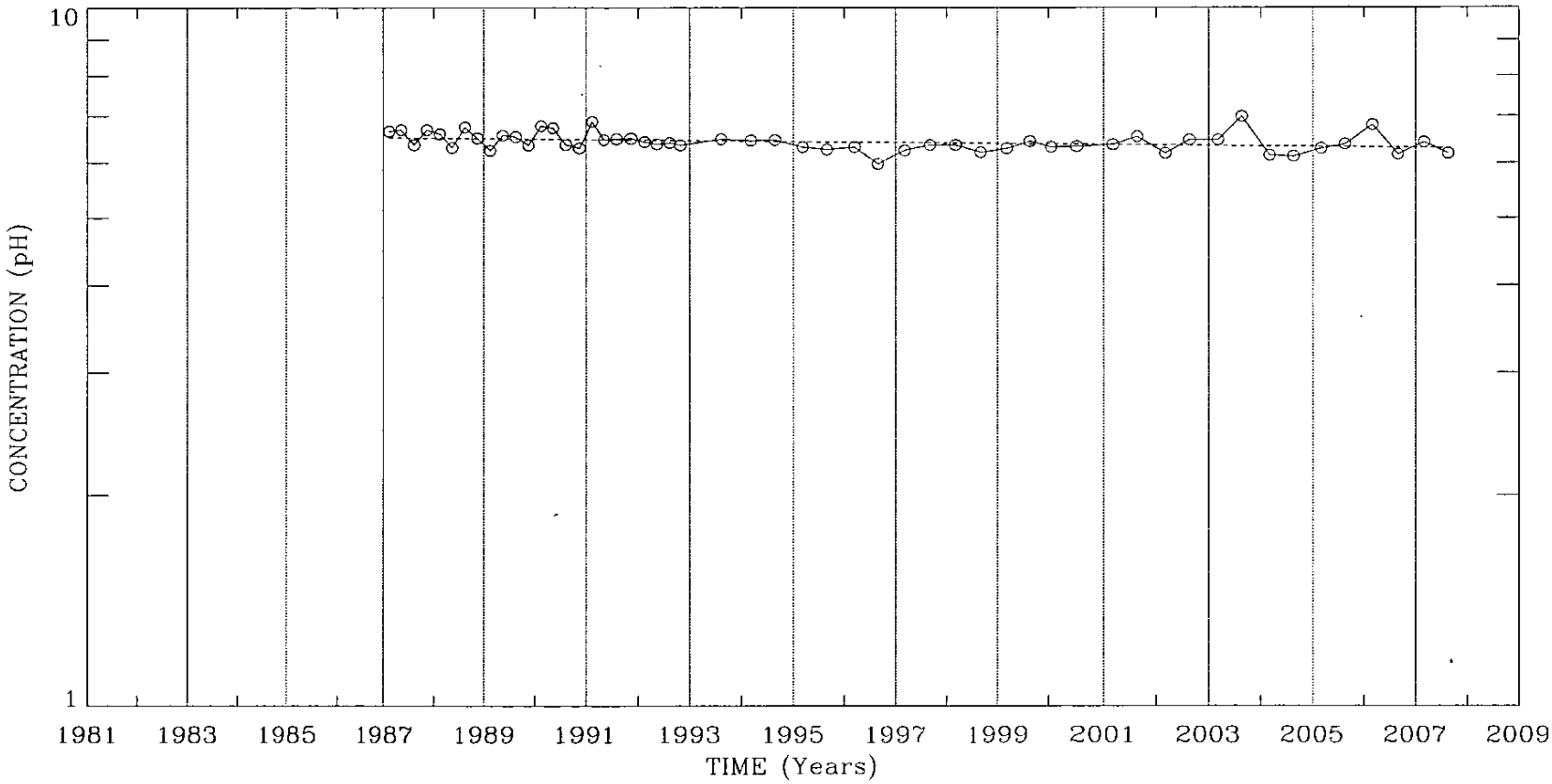

REGRESSION LINE EQUATION: $Y = 1.006E+001e^{-0.0041x}$

Well 07B UNIT 4
PH
Clean Harbors Baton Rouge, LLC



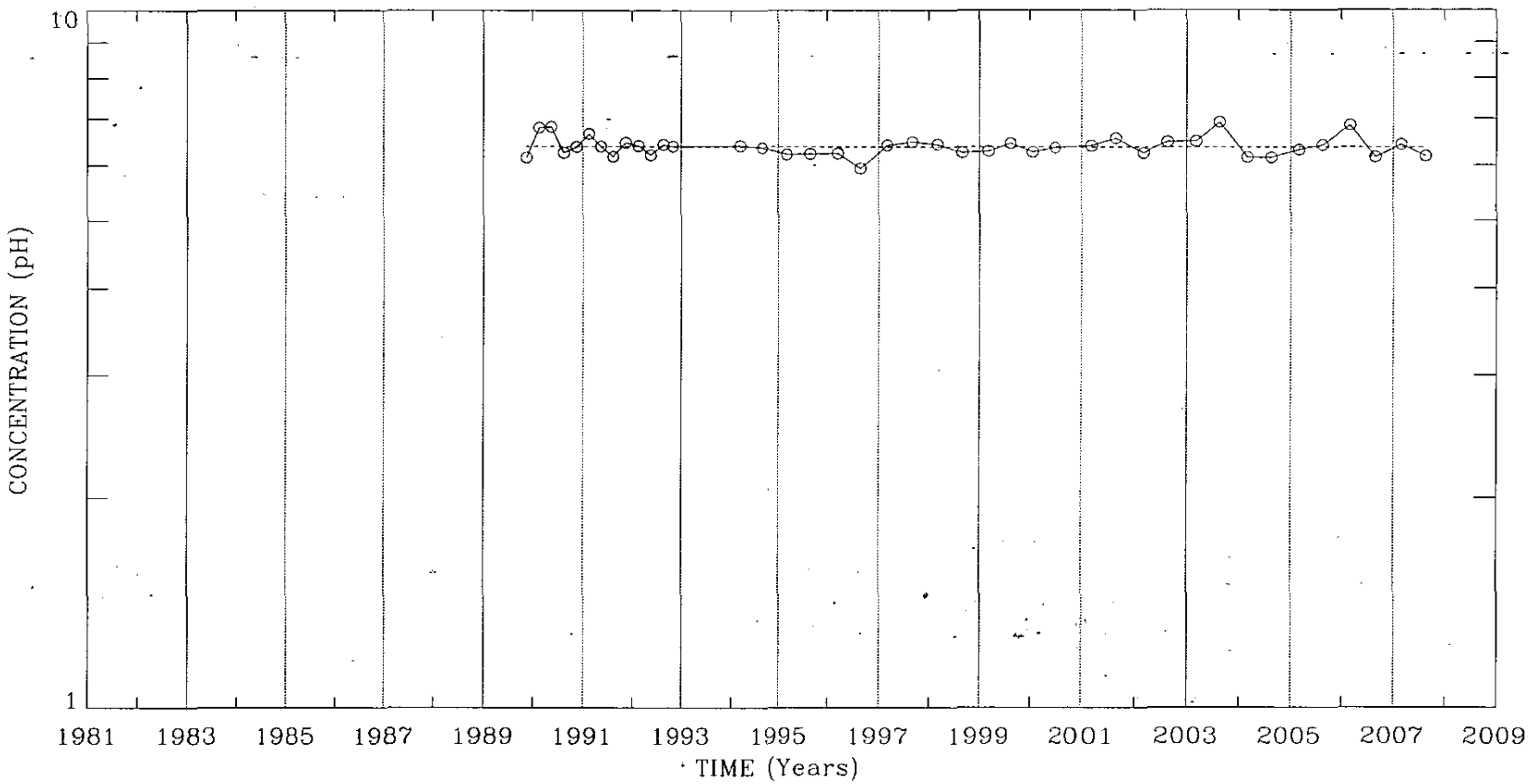

REGRESSION LINE EQUATION: $Y = 1.043E+001e^{-0.0053x}$

Well 08B UNIT 4
PH
Clean Harbors Baton Rouge, LLC



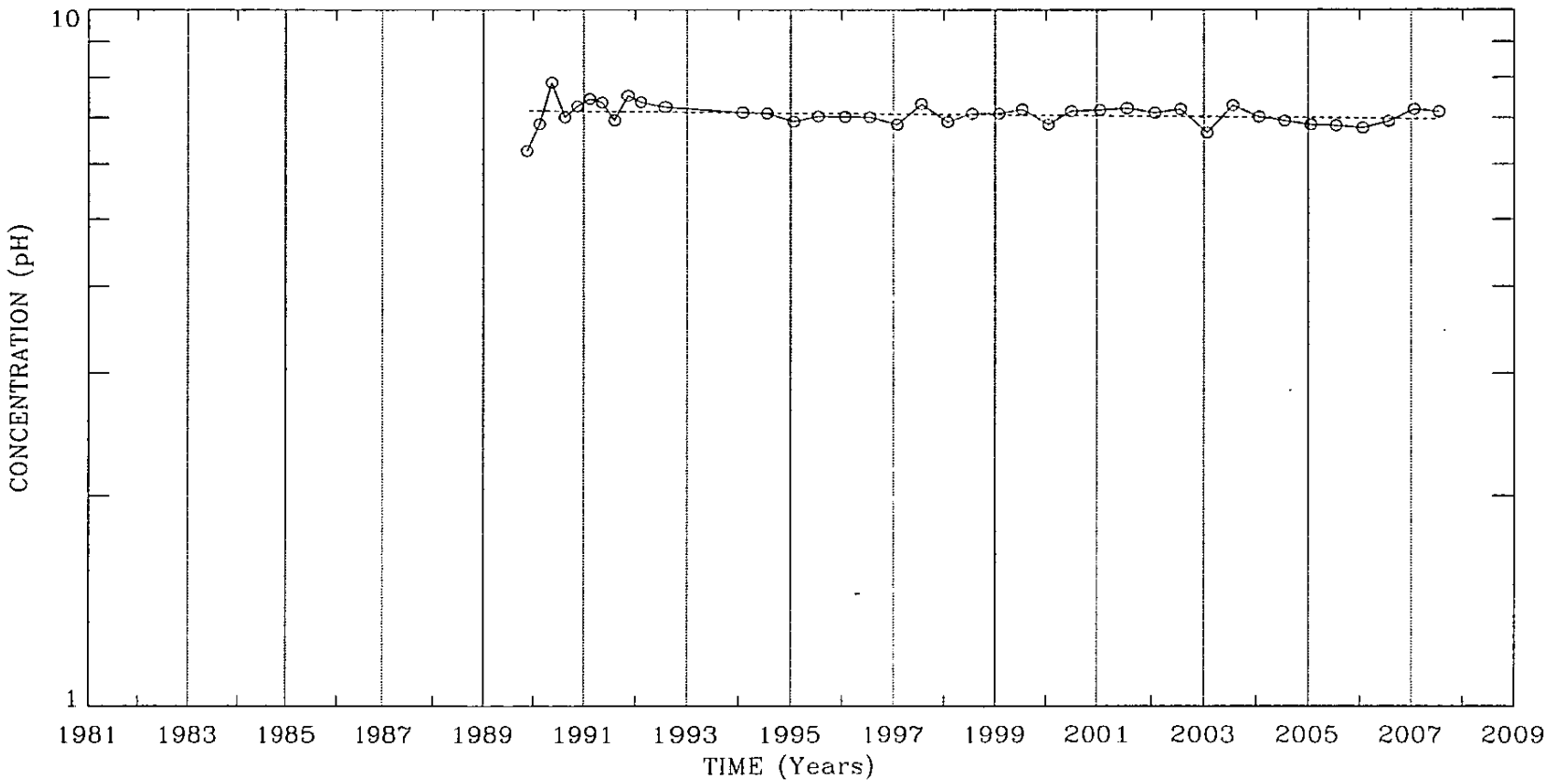

REGRESSION LINE EQUATION: $Y = 7.546E+000e^{-0.0017x}$

Well 08B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



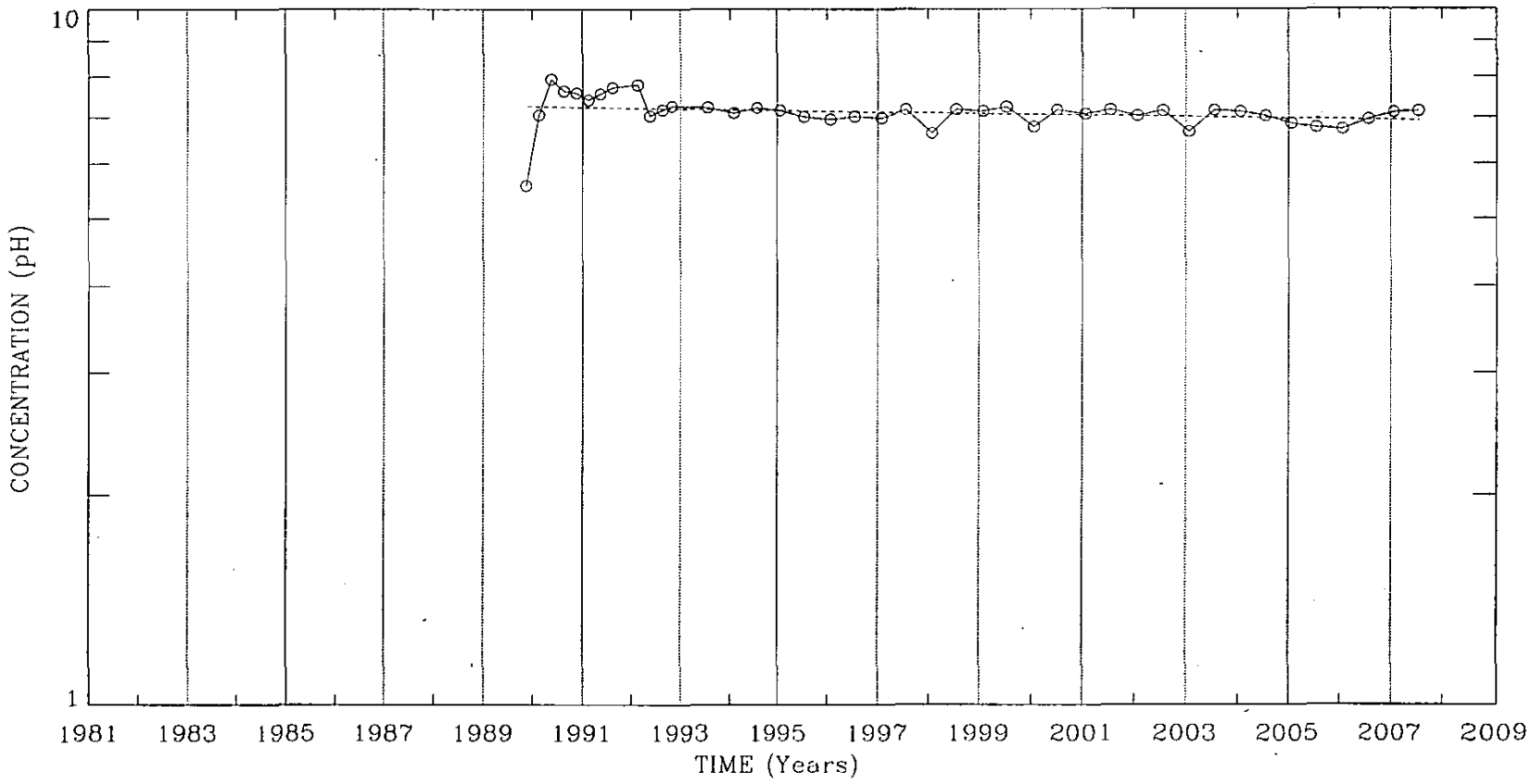

REGRESSION LINE EQUATION: $Y = 6.550E+000e^{-0.0003x}$

Well 08B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



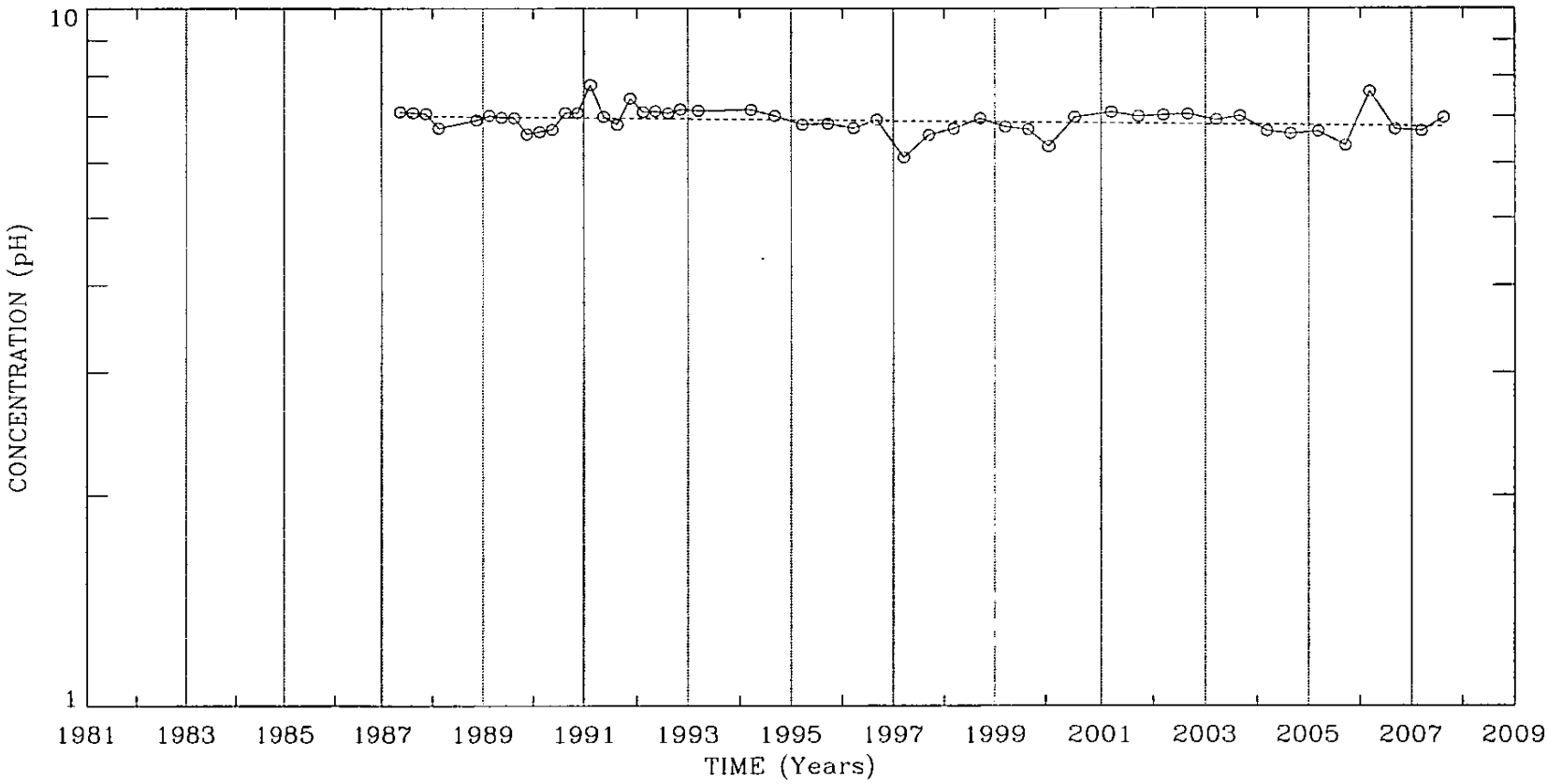

REGRESSION LINE EQUATION: $Y = 8.183E+000e^{-0.0015x}$

Well 08C UNIT 8
PH
Clean Harbors Baton Rouge, LLC



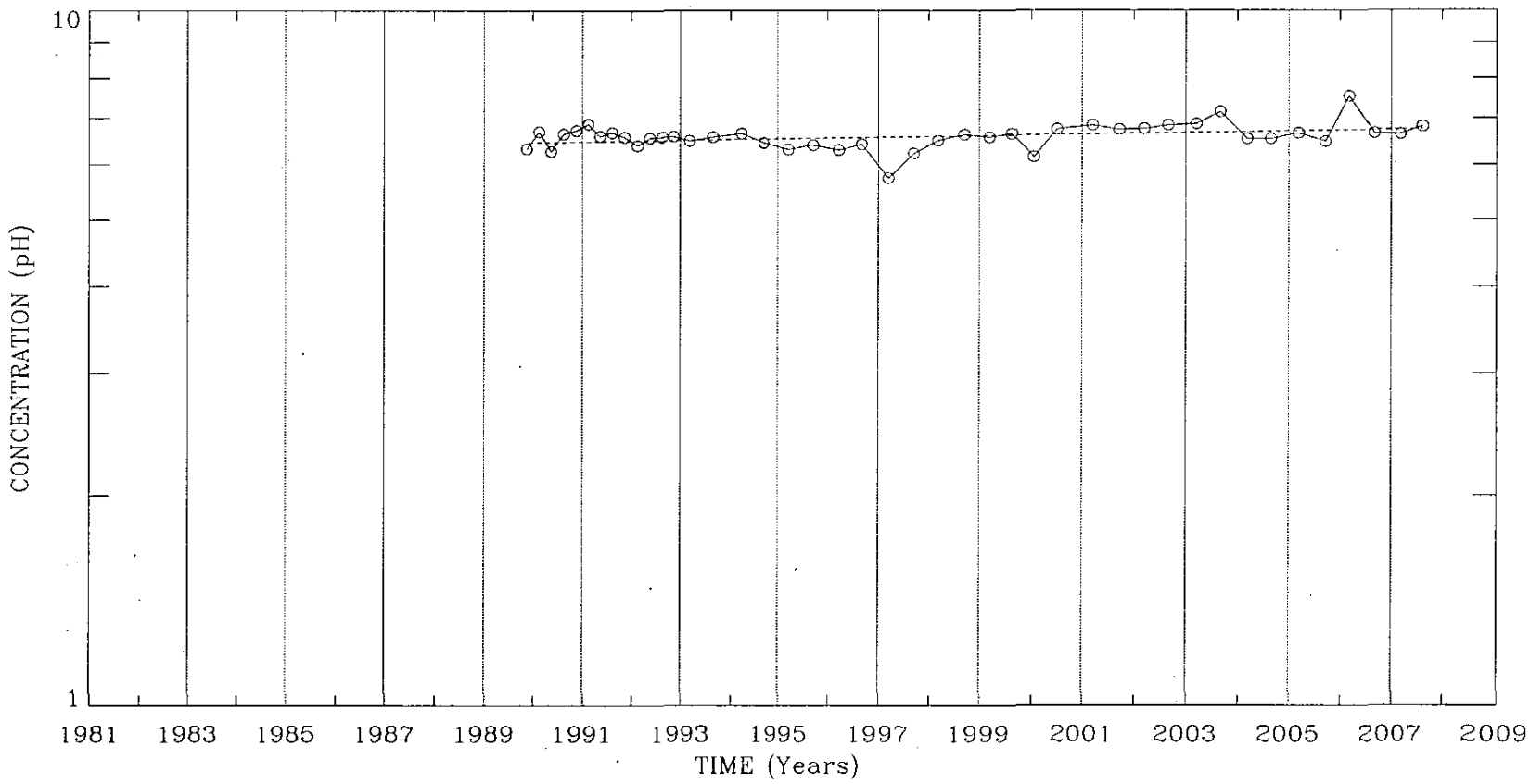

REGRESSION LINE EQUATION: $Y = 9.189E+000e^{-0.0026x}$

Well 09A UNIT 4
PH
Clean Harbors Baton Rouge, LLC



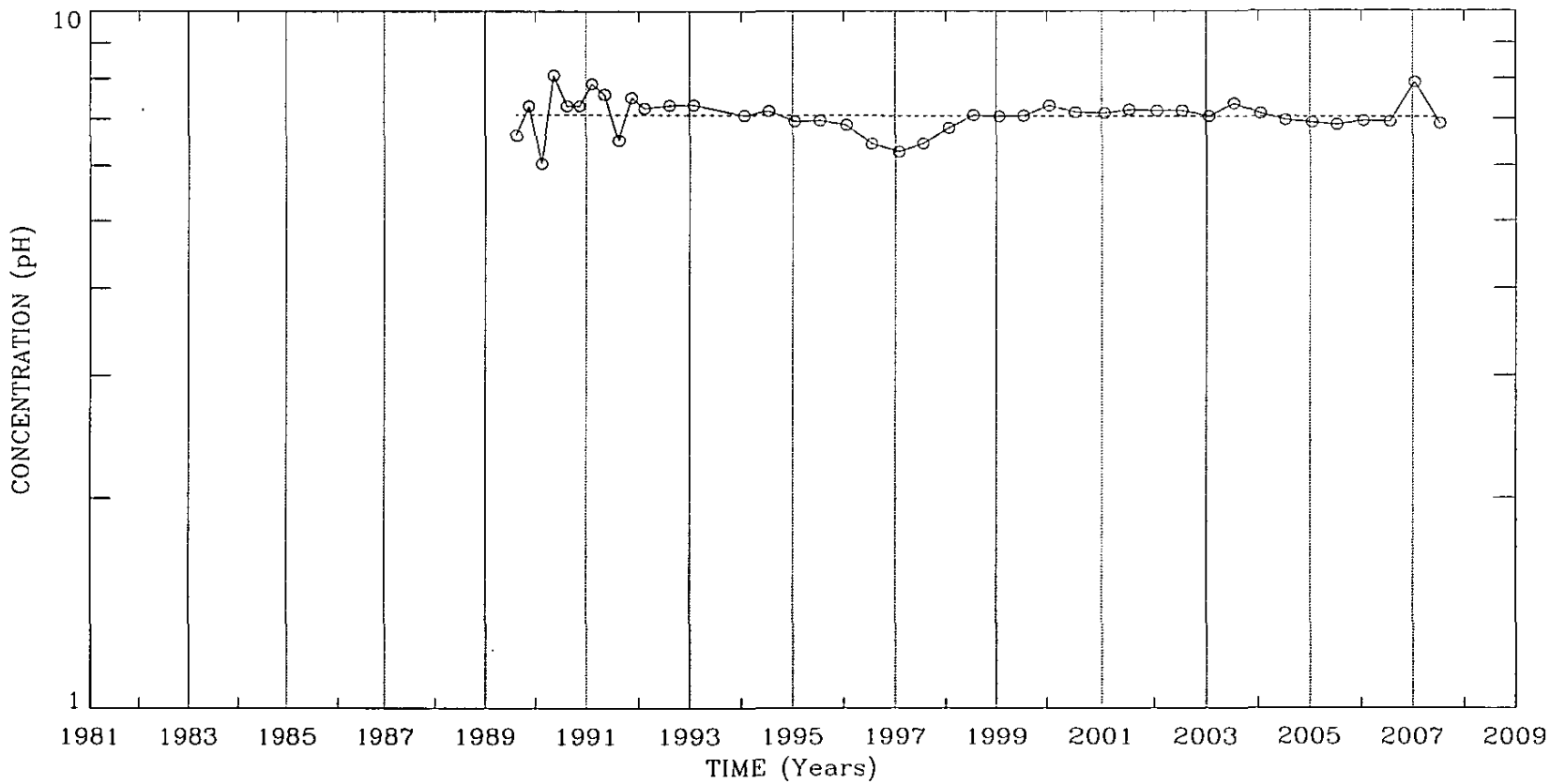

REGRESSION LINE EQUATION: $Y = 8.143E+000e^{-0.0017x}$

Well 09AW UNIT 4
PH
Clean Harbors Baton Rouge, LLC



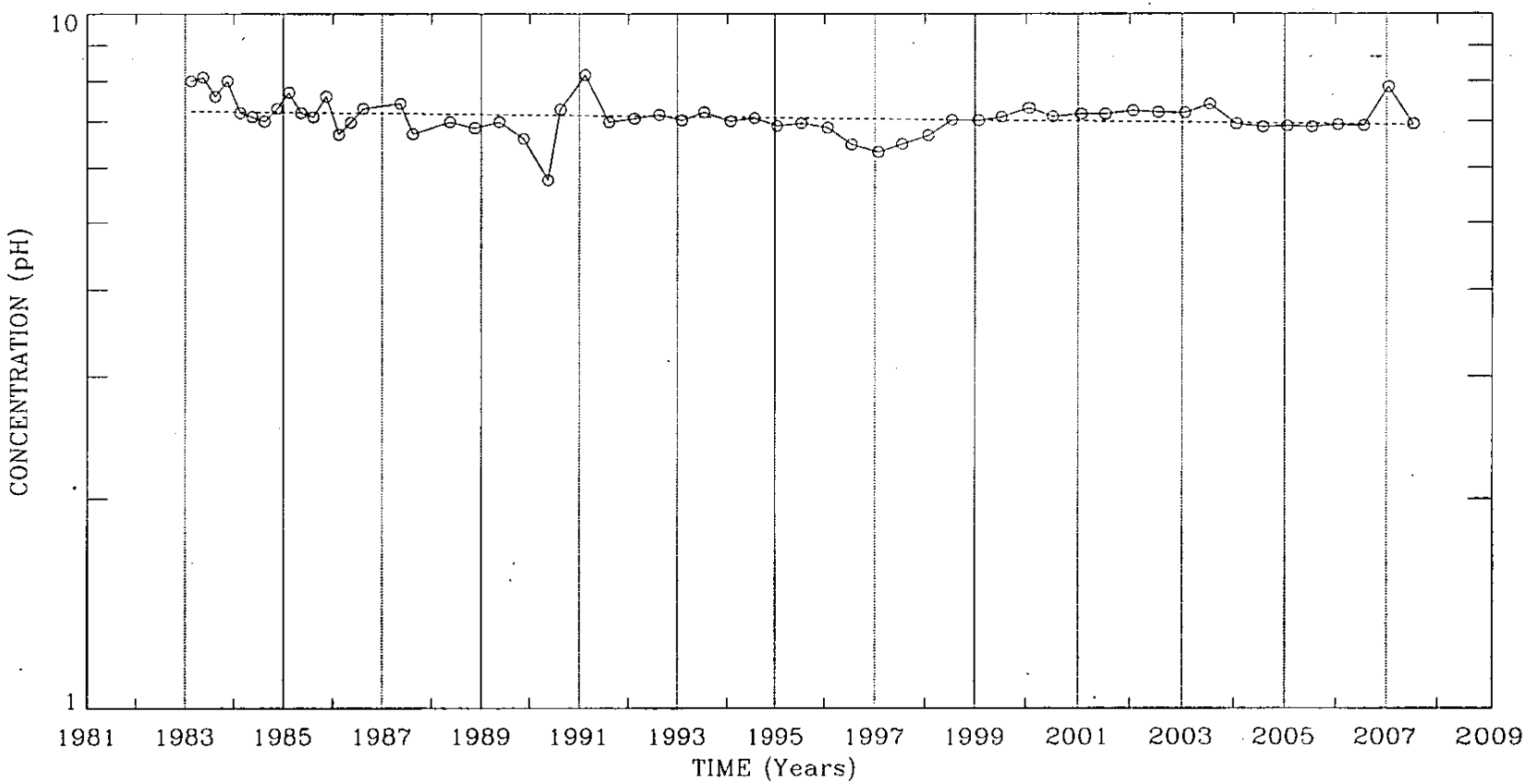

REGRESSION LINE EQUATION: $Y = 5.128E+000e^{0.0026x}$

Well 09B-1 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



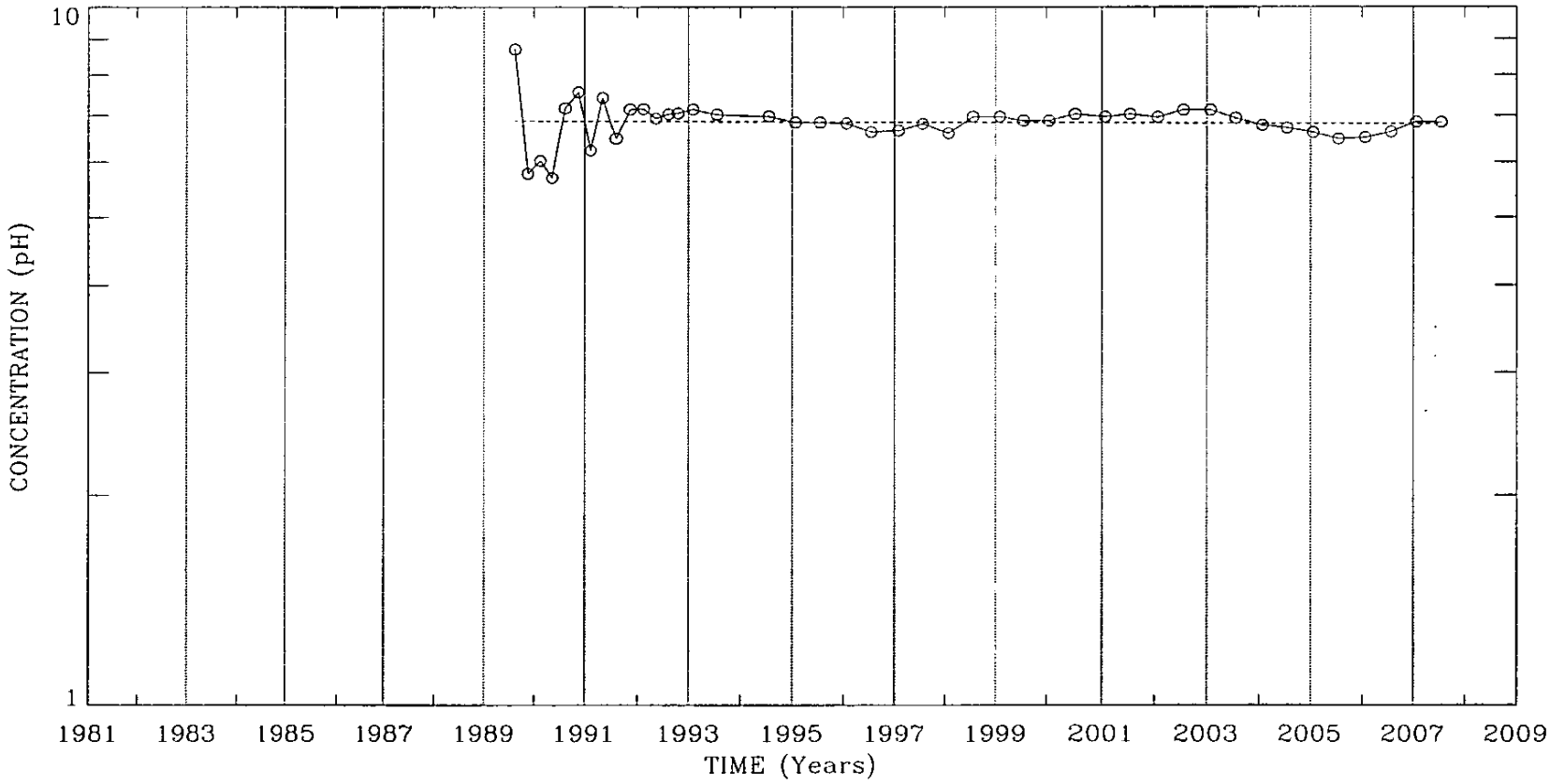

REGRESSION LINE EQUATION: $Y = 7.425E+000e^{-0.0005x}$

Well 09CR UNIT 8
PH
Clean Harbors Baton Rouge, LLC



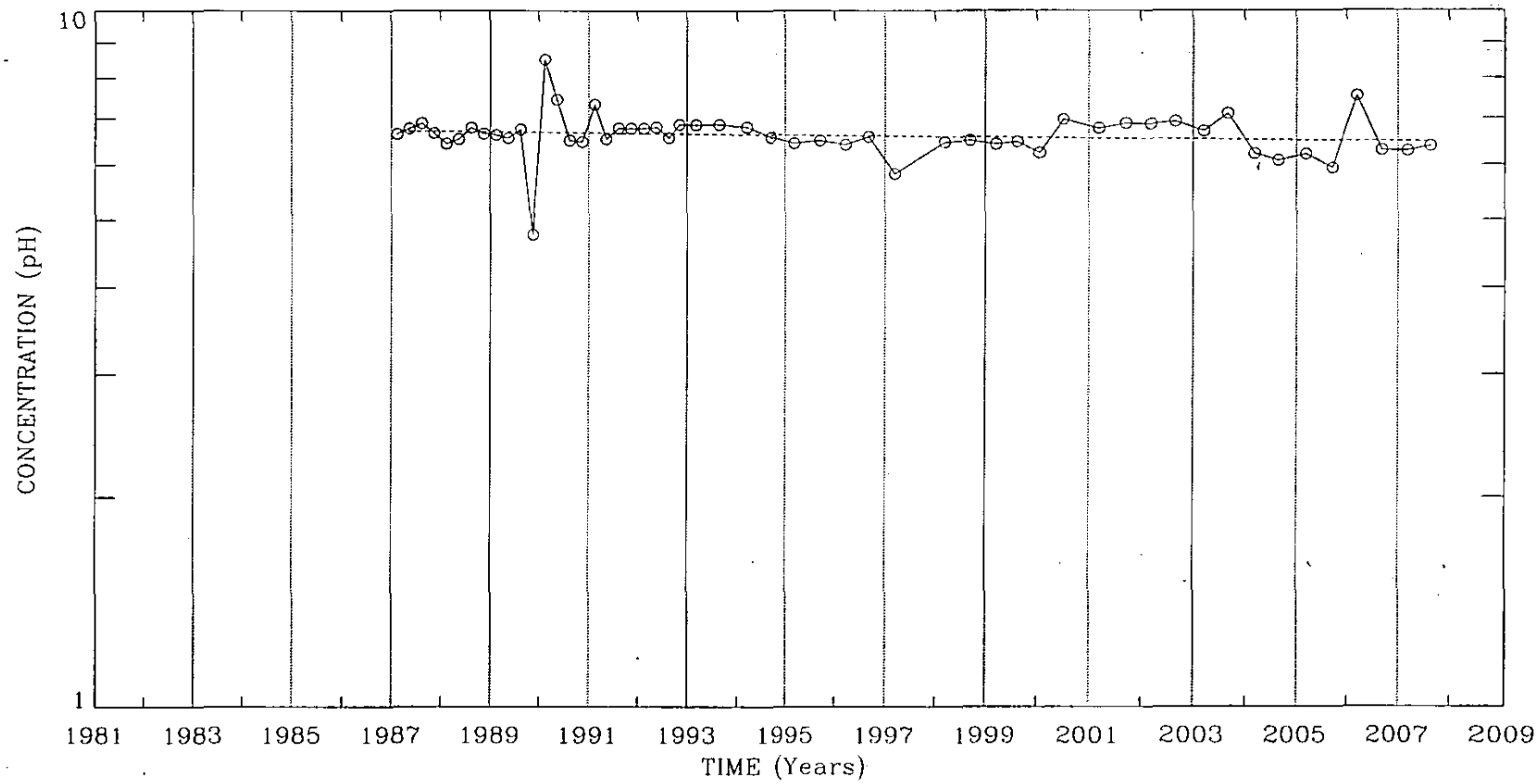

REGRESSION LINE EQUATION: $Y = 8.441E+000e^{-0.0019x}$

Well 10AW UNIT 4
PH
Clean Harbors Baton Rouge, LLC



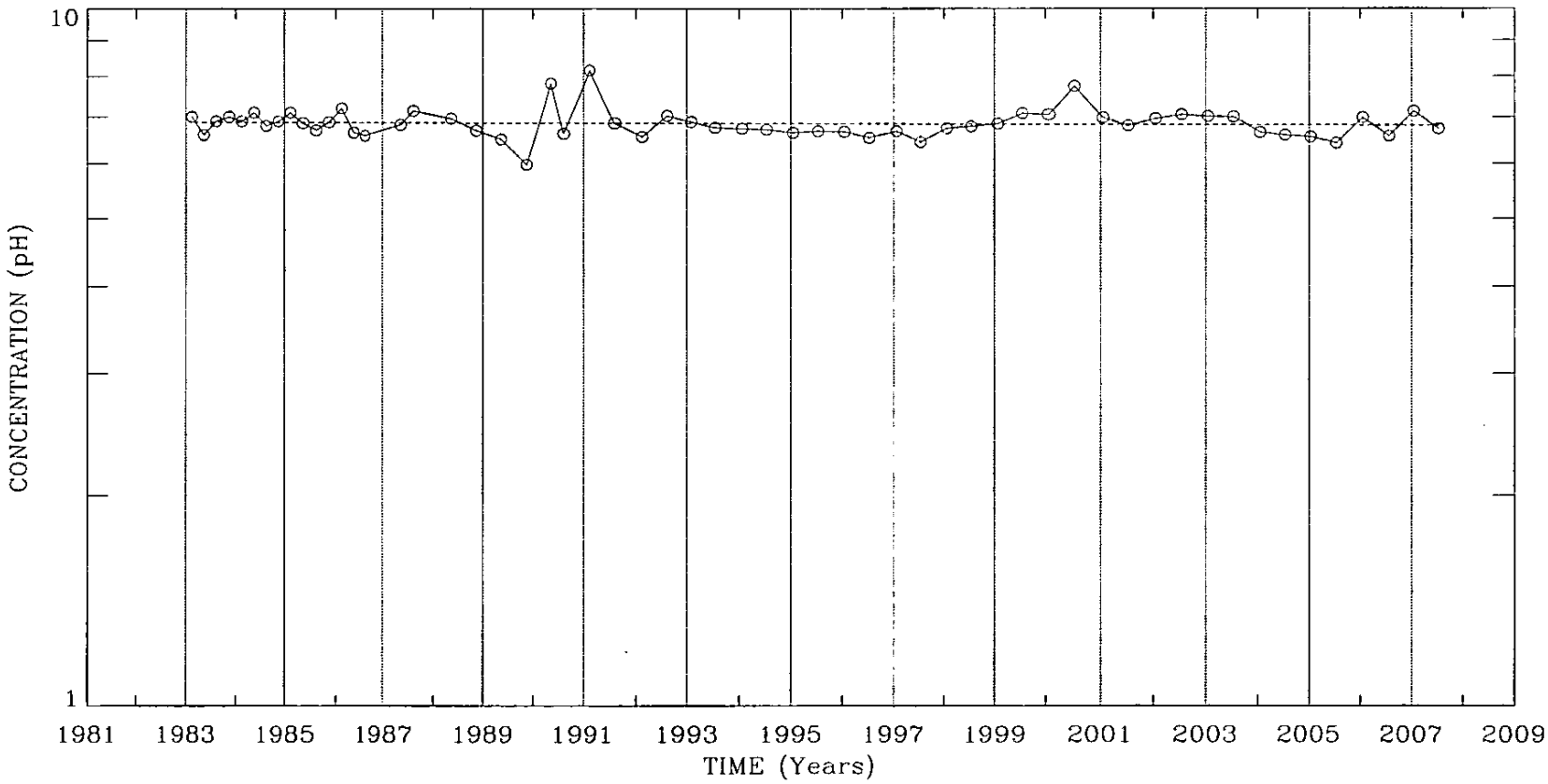

REGRESSION LINE EQUATION: $Y = 7.220E+000e^{-0.0005x}$

Well 11A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



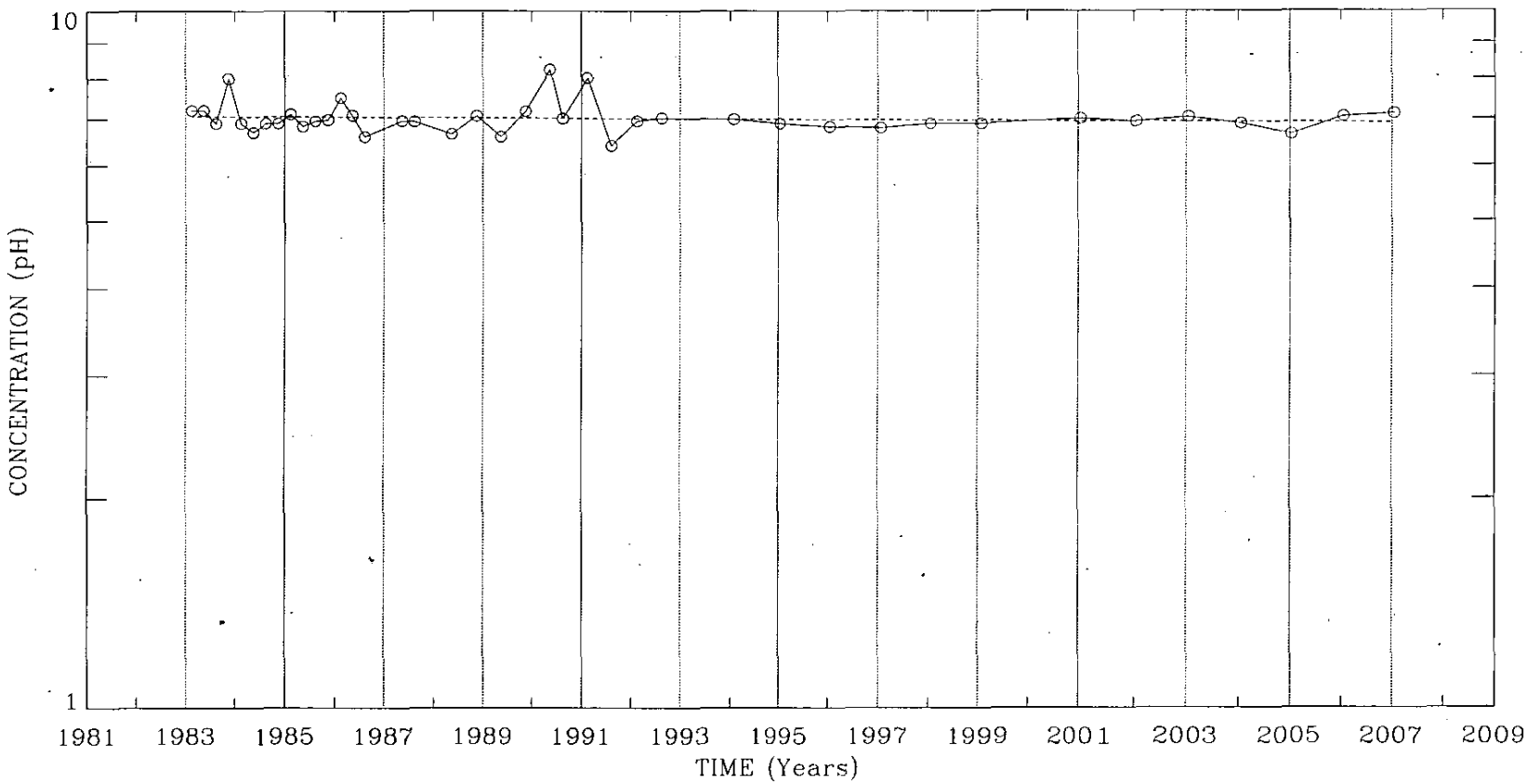

REGRESSION LINE EQUATION: $Y = 7.798E+000e^{-0.0017x}$

Well 11B UNIT 6
PH
Clean Harbors Baton Rouge, LLC



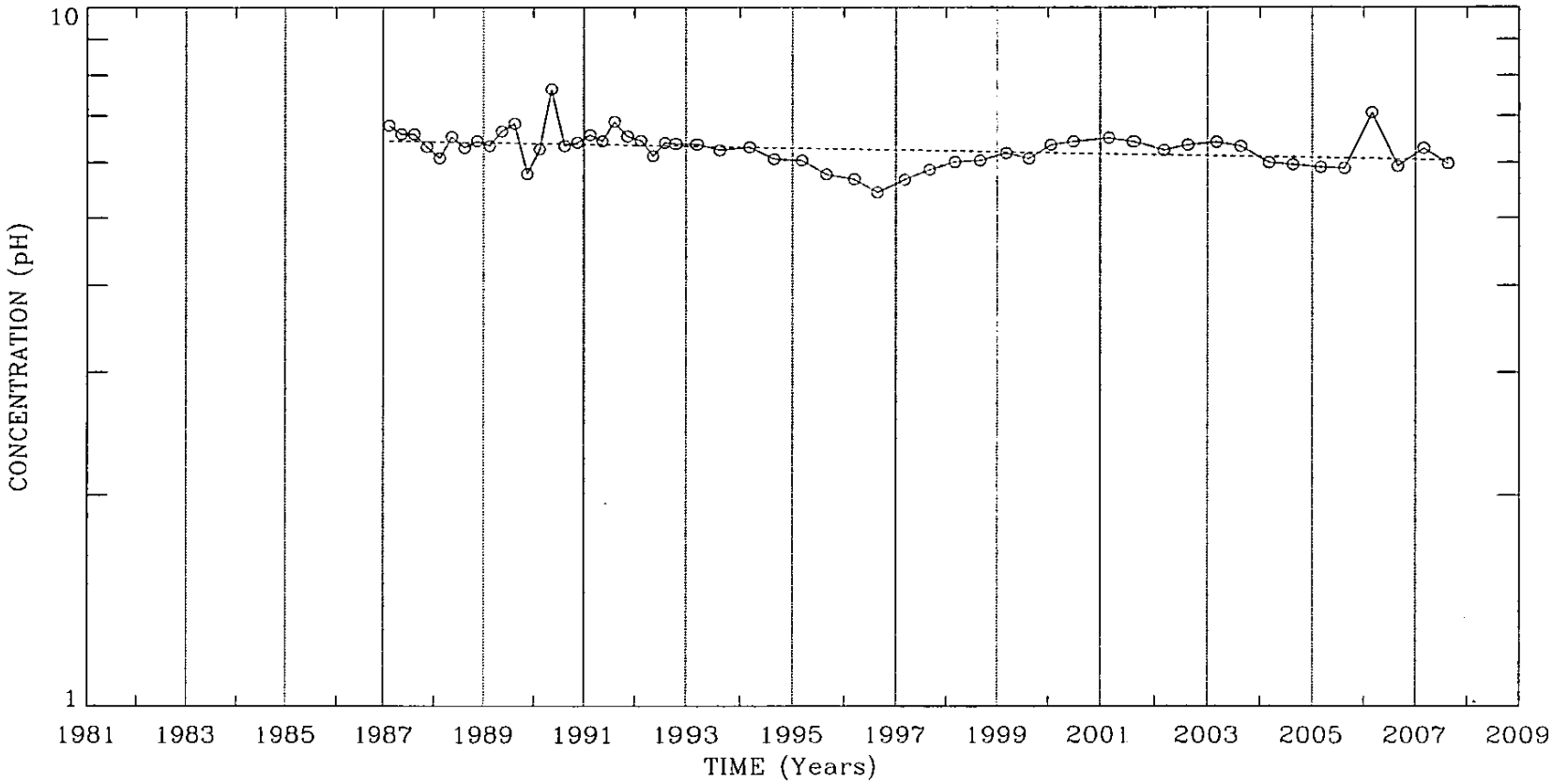

REGRESSION LINE EQUATION: $Y = 7.135E+000e^{-0.0004x}$

Well 11C UNIT 8
PH
Clean Harbors Baton Rouge, LLC



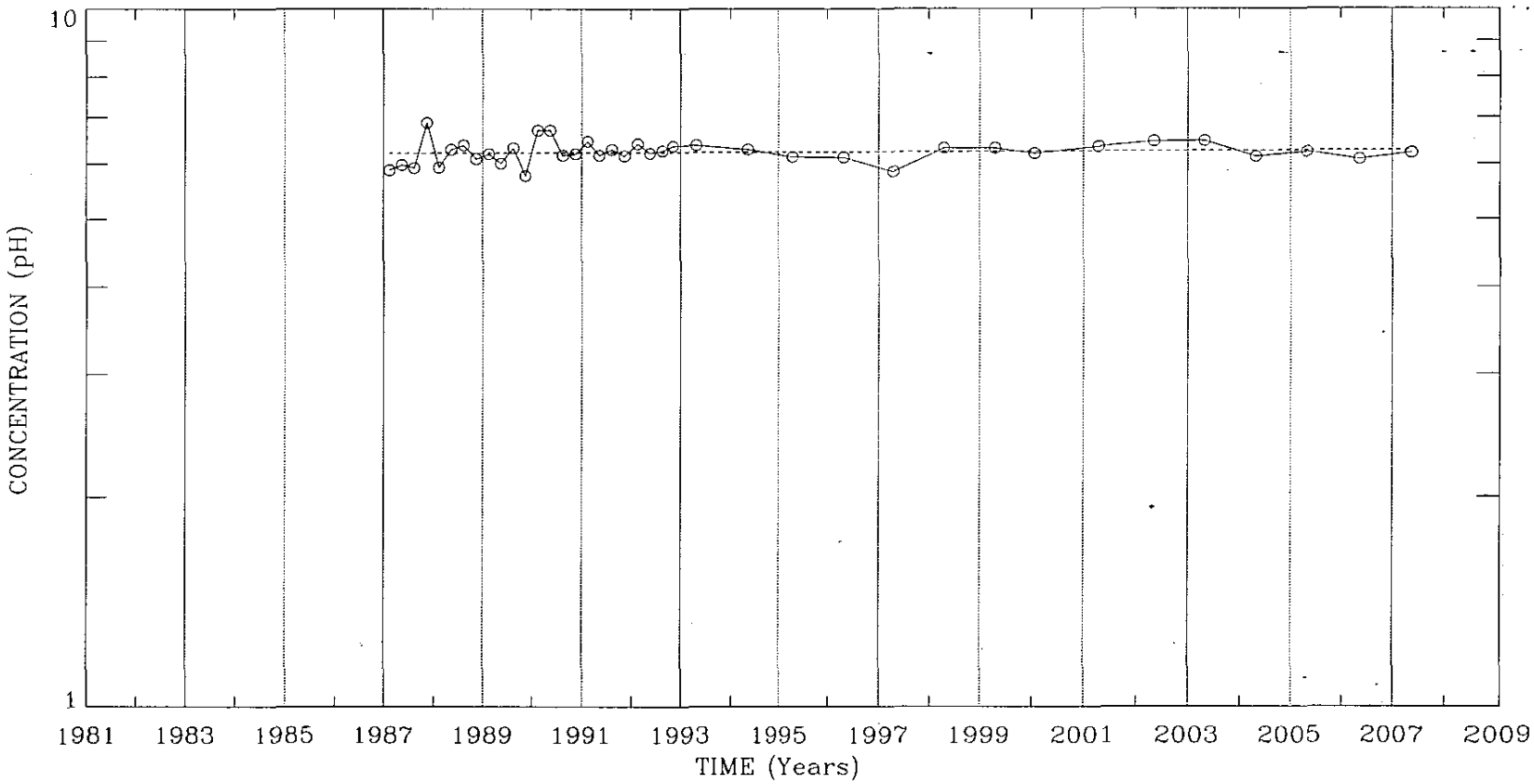

REGRESSION LINE EQUATION: $Y = 7.628E+000e^{-0.0009x}$

Well 12A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



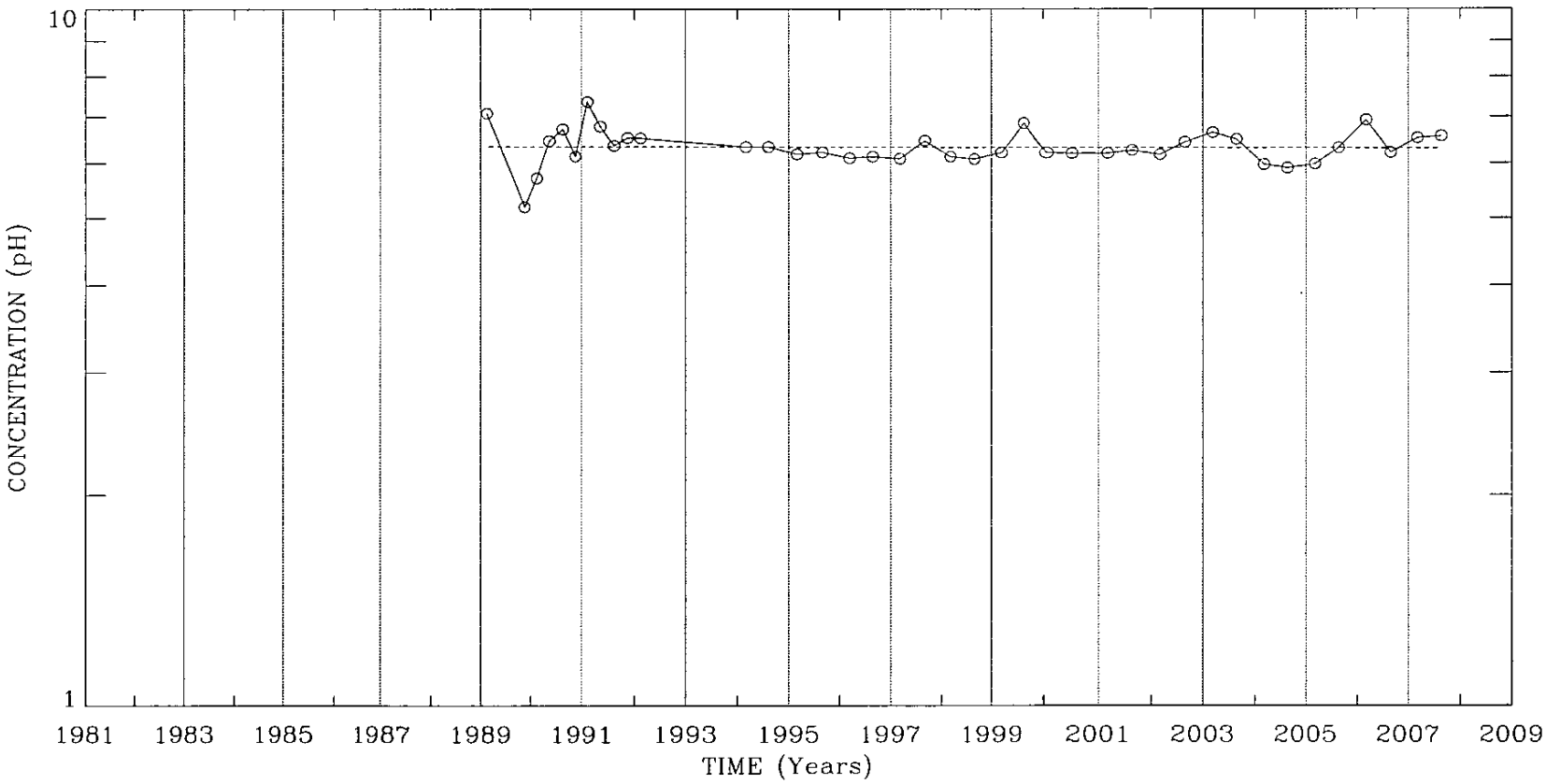

REGRESSION LINE EQUATION: $Y = 8.434E+000e^{-0.0031x}$

Well 13A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



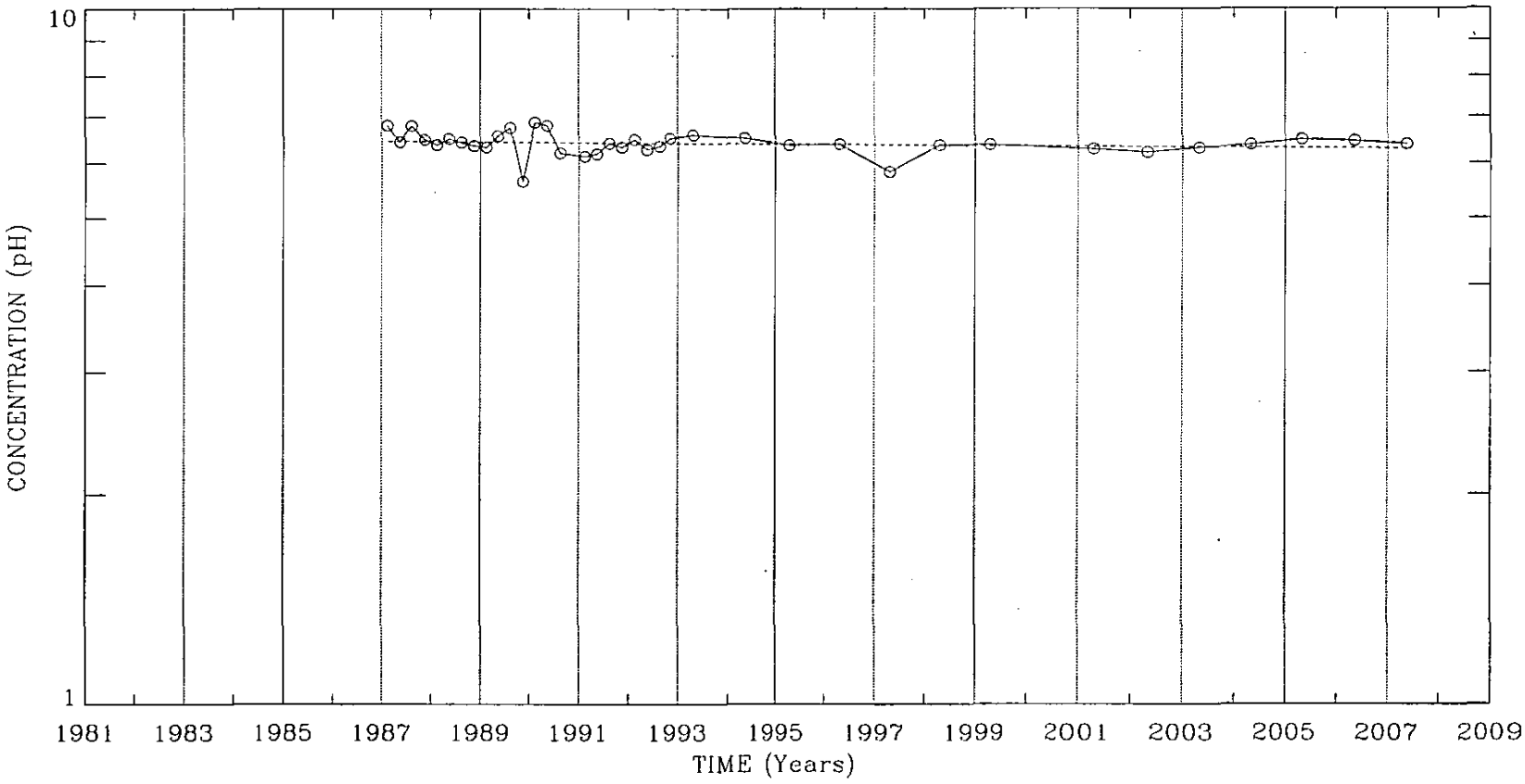

REGRESSION LINE EQUATION: $Y = 5.976E+000e^{0.0005x}$

Well 13AR UNIT 3
PH
Clean Harbors Baton Rouge, LLC



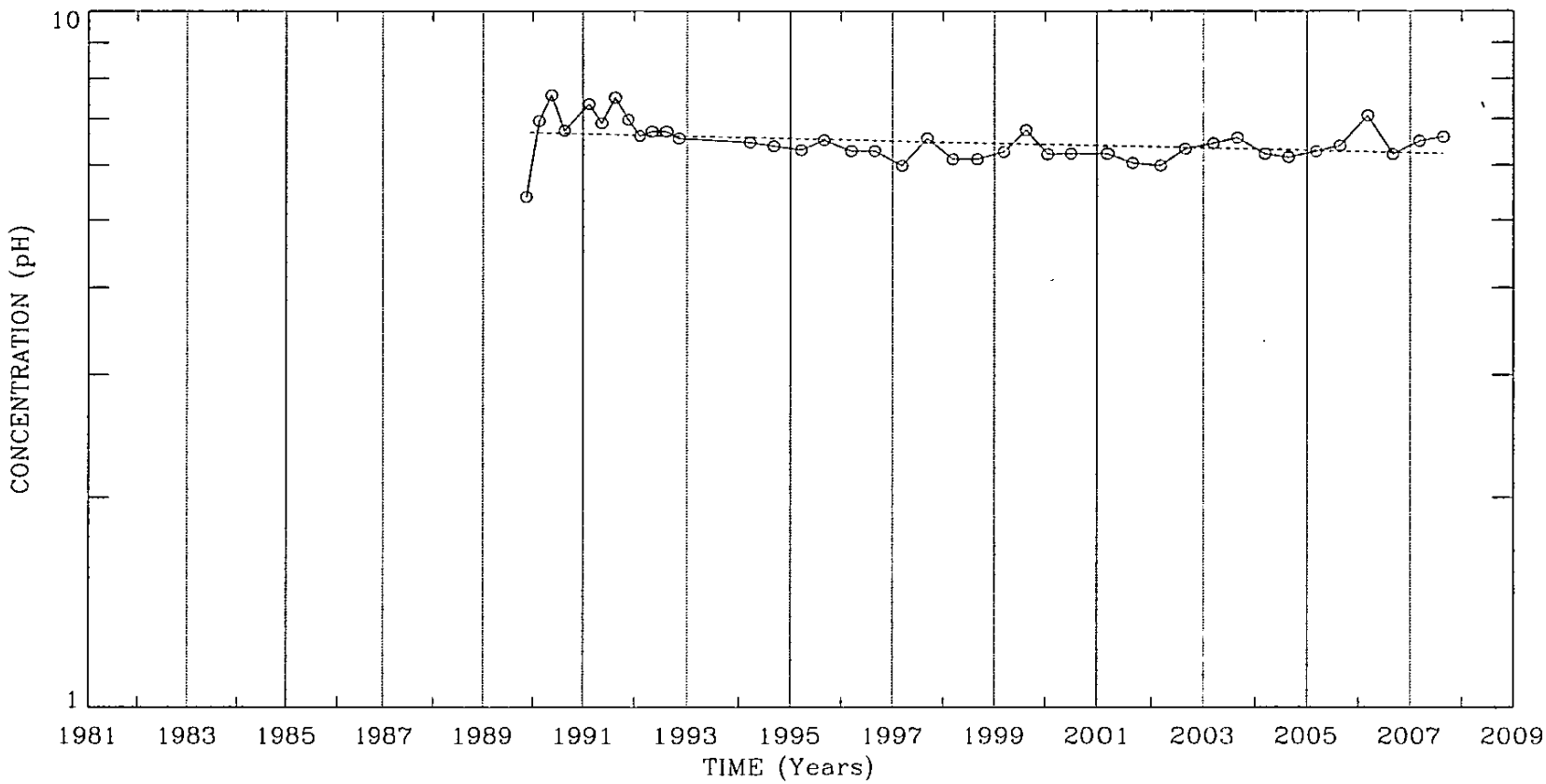

REGRESSION LINE EQUATION: $Y = 6.539E+000e^{-0.0003x}$

Well 13B UNIT 4
PH
Clean Harbors Baton Rouge, LLC



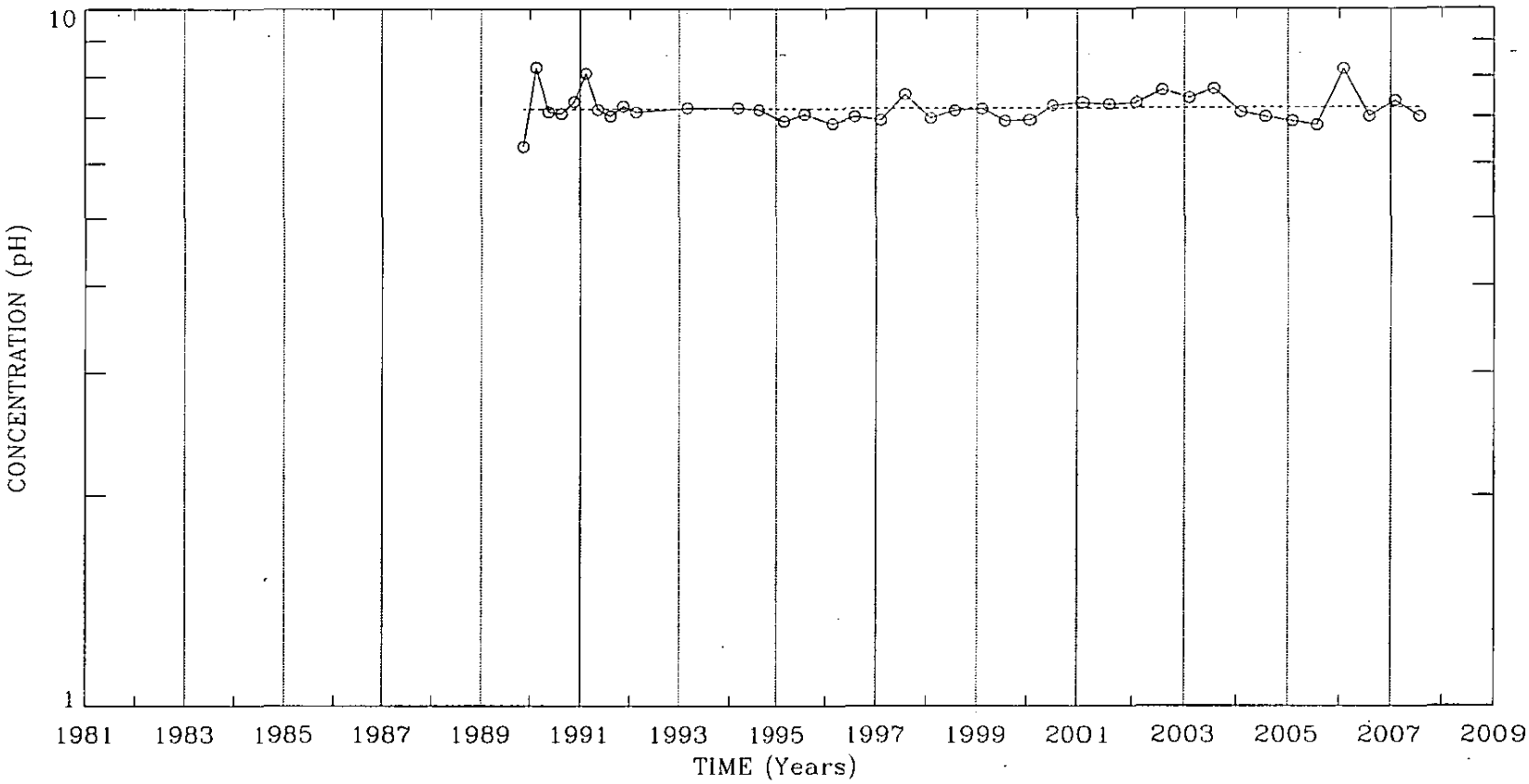

REGRESSION LINE EQUATION: $Y = 7.192E+000e^{-0.0012x}$

Well 13B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



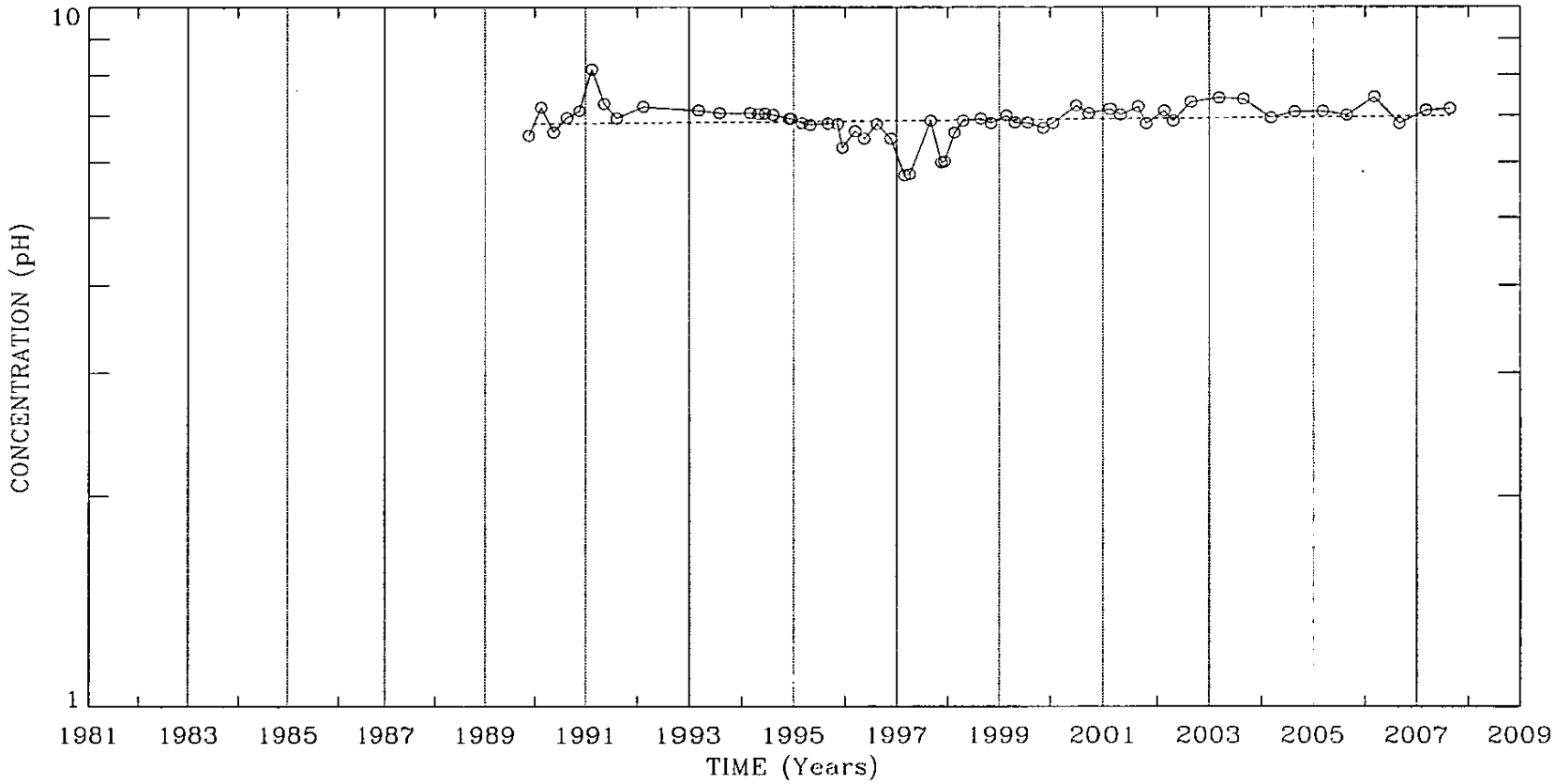

REGRESSION LINE EQUATION: $Y = 9.539E+000e^{-0.0039x}$

Well 13B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



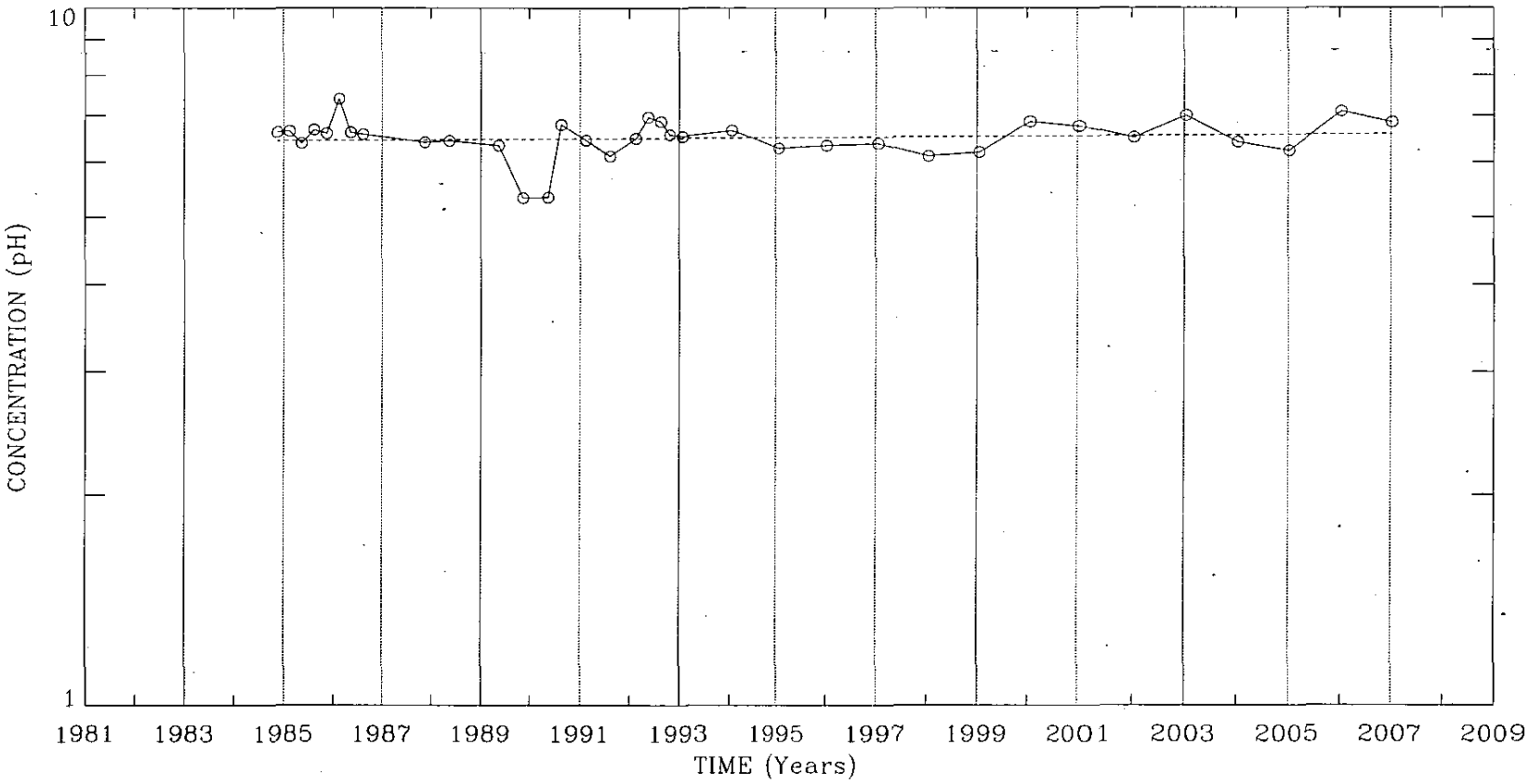

REGRESSION LINE EQUATION: $Y = 6.931E+000e^{0.0004x}$

Well 13C UNIT 8
PH
Clean Harbors Baton Rouge, LLC



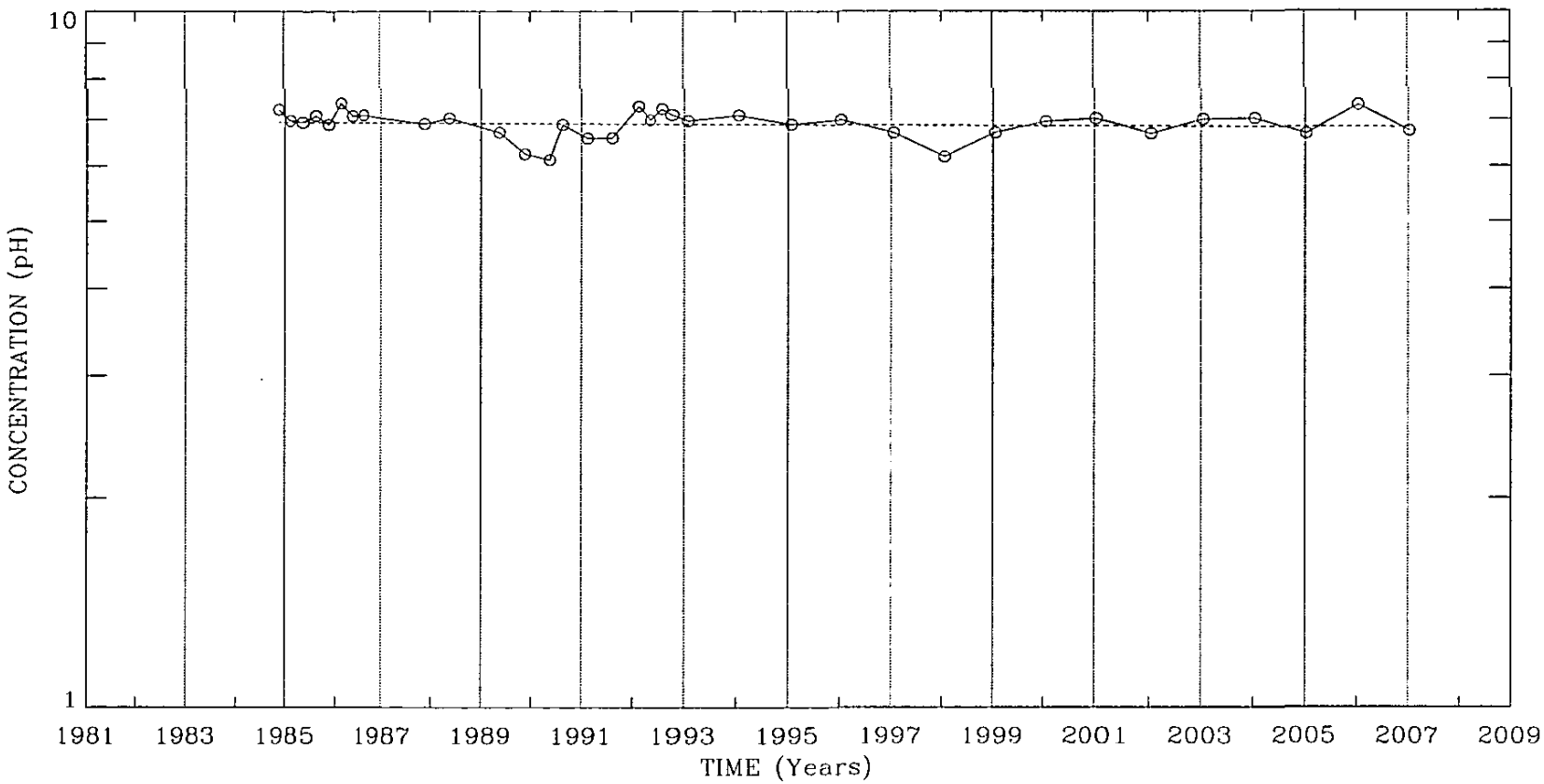

REGRESSION LINE EQUATION: $Y = 5.999E+000e^{0.0014x}$

Well 14A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



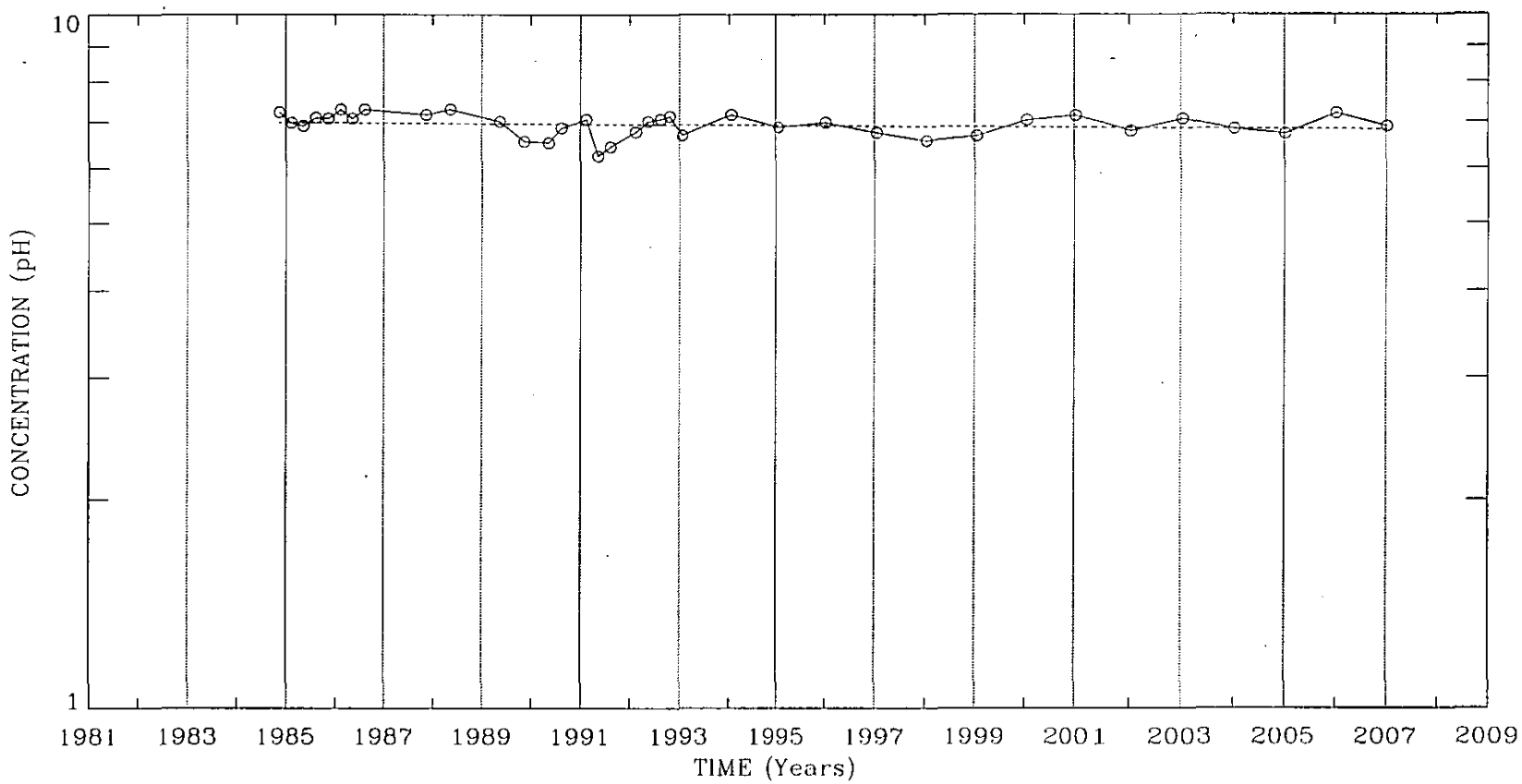

REGRESSION LINE EQUATION: $Y = 5.919E+000e^{0.0010x}$

Well 14B UNIT 4
PH
Clean Harbors Baton Rouge, LLC



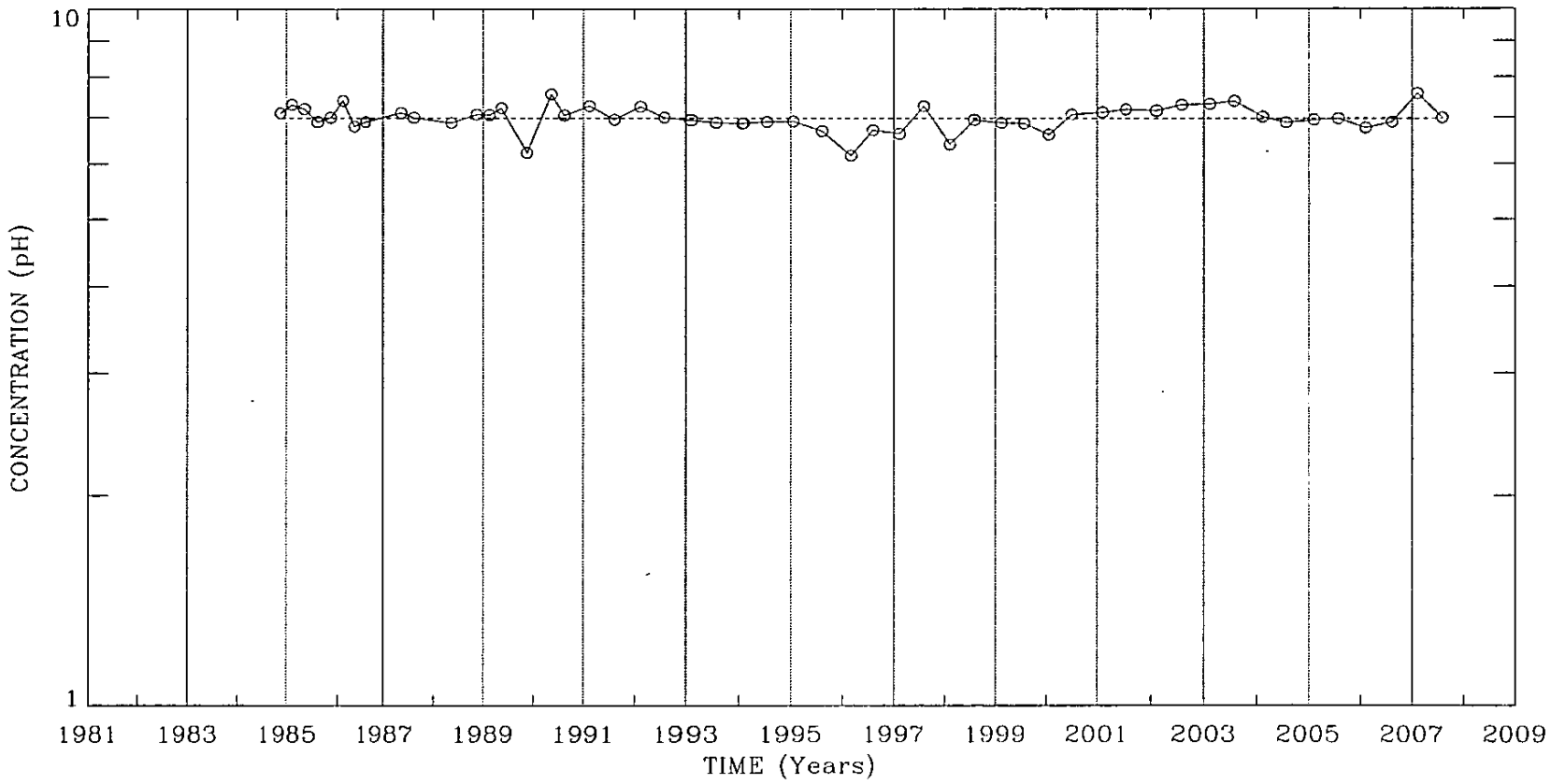

REGRESSION LINE EQUATION: $Y = 7.413E+000e^{-0.0008x}$

Well 14C UNIT 8
PH
Clean Harbors Baton Rouge, LLC



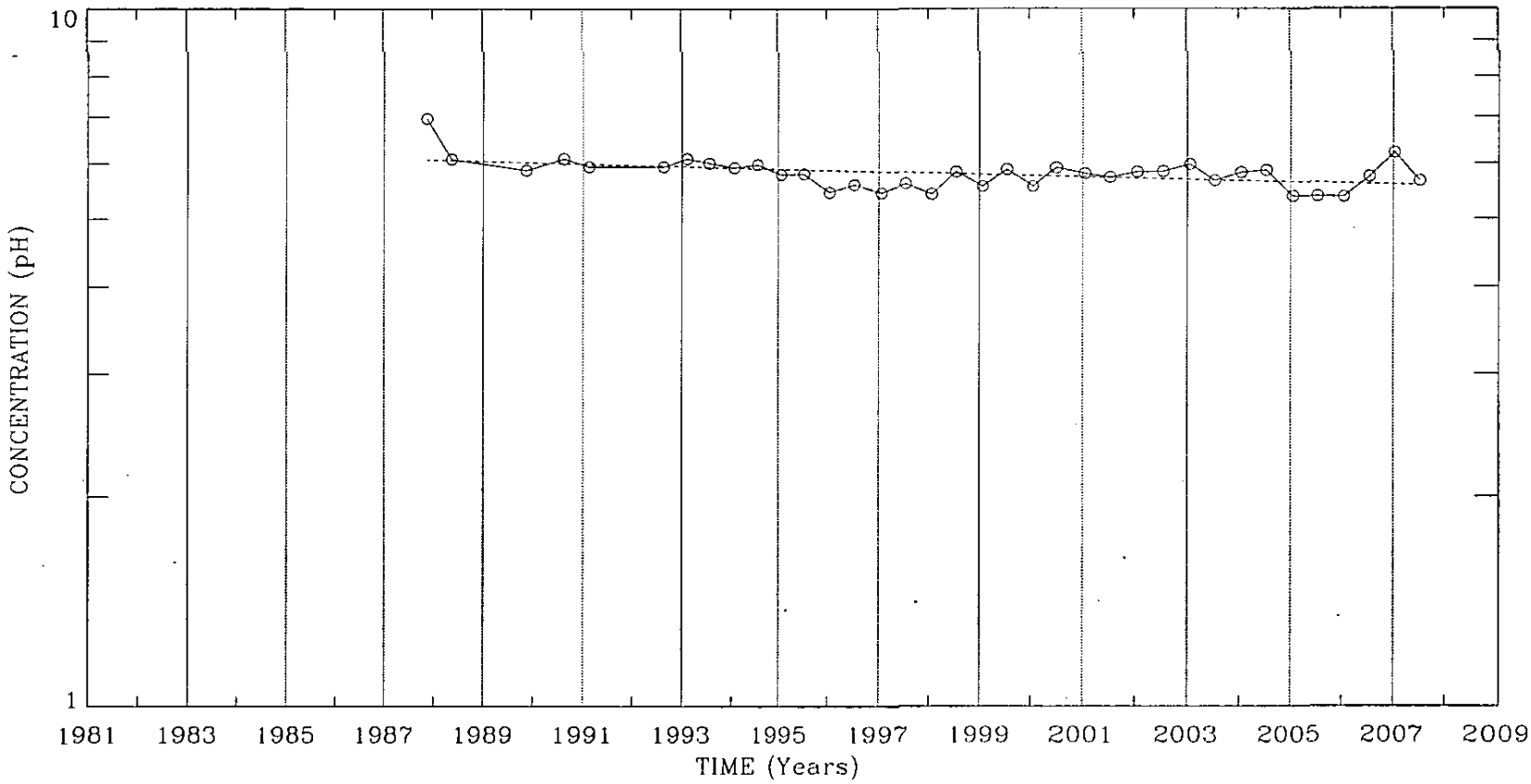

REGRESSION LINE EQUATION: $Y = 7.671E+000e^{-0.0011x}$

Well 15B UNIT 4
PH
Clean Harbors Baton Rouge, LLC



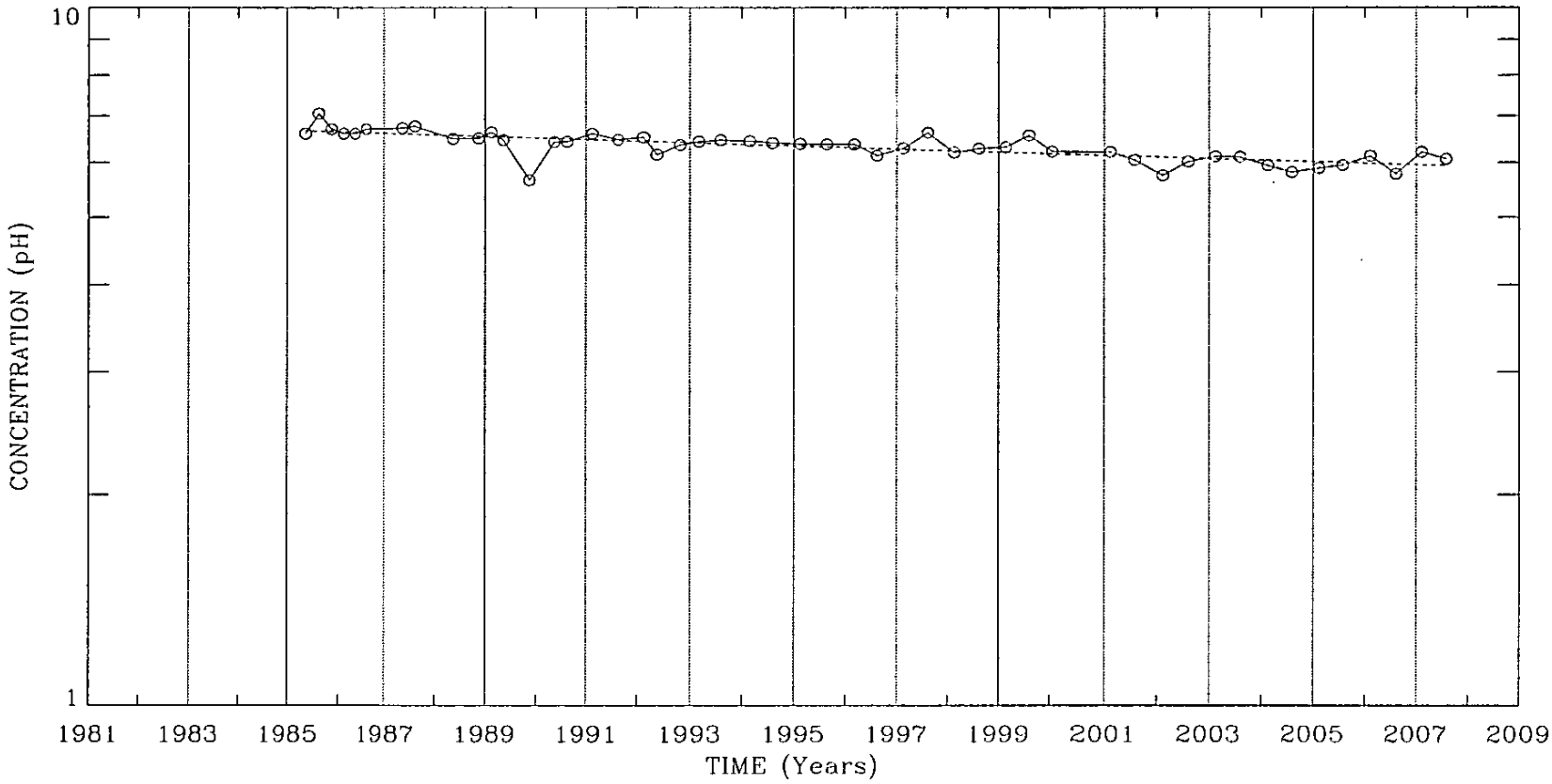

REGRESSION LINE EQUATION: $Y = 7.080E+000e^{-0.0001x}$

Well 16A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



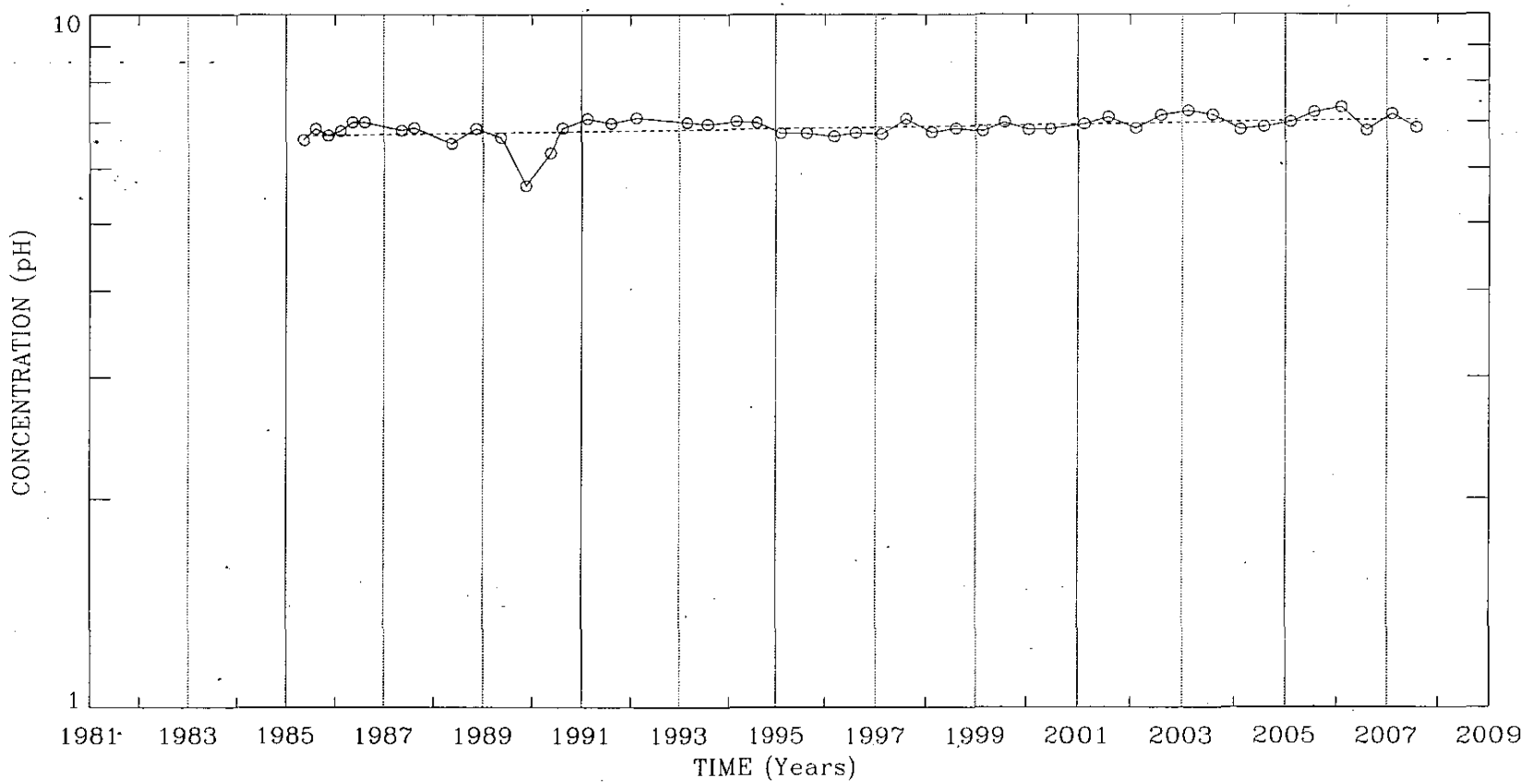

REGRESSION LINE EQUATION: $Y = 8.805E+000e^{-0.0042x}$

Well 17B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



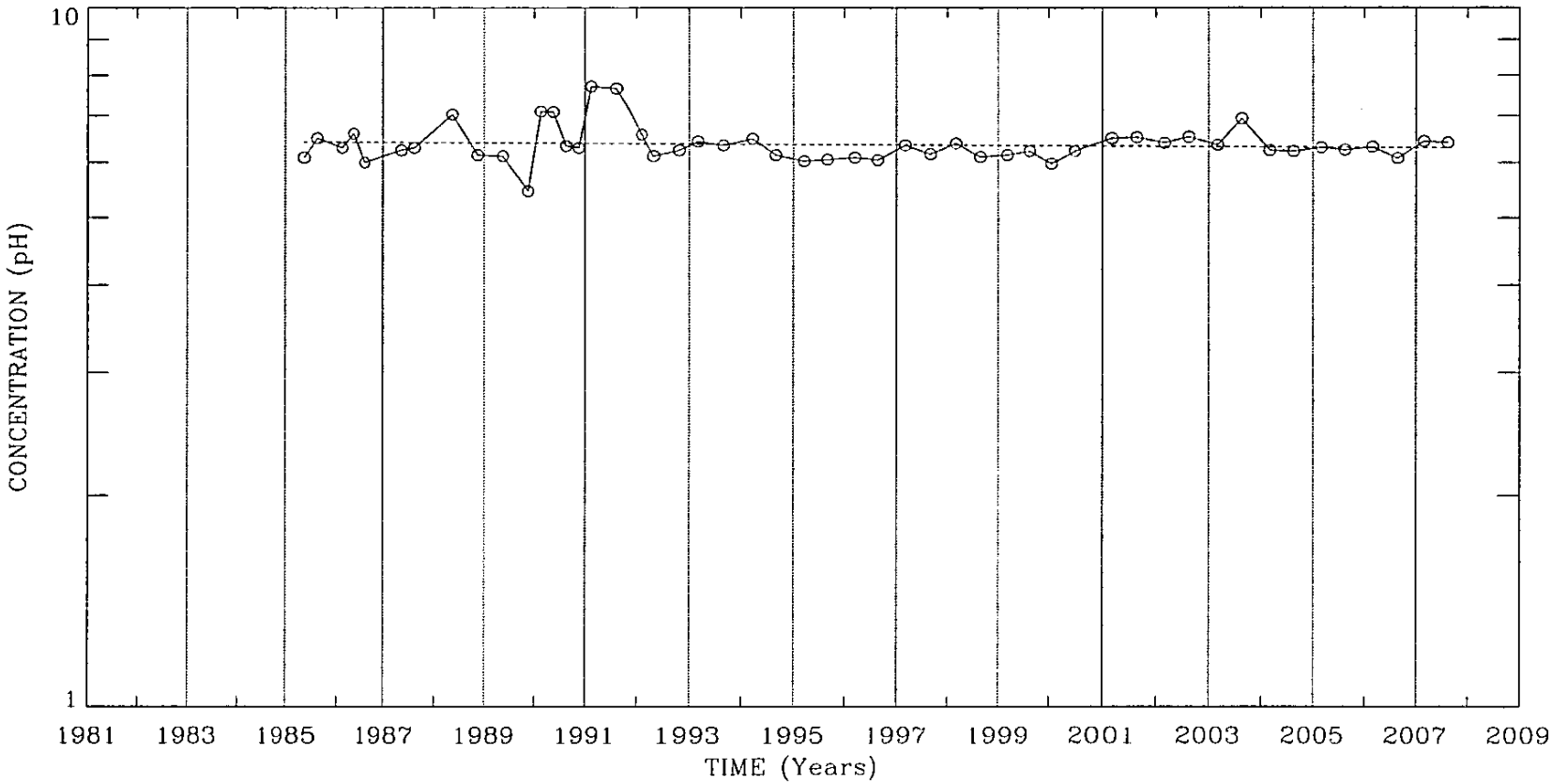

REGRESSION LINE EQUATION: $Y = 1.040E+001e^{-0.0052x}$

Well 17B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



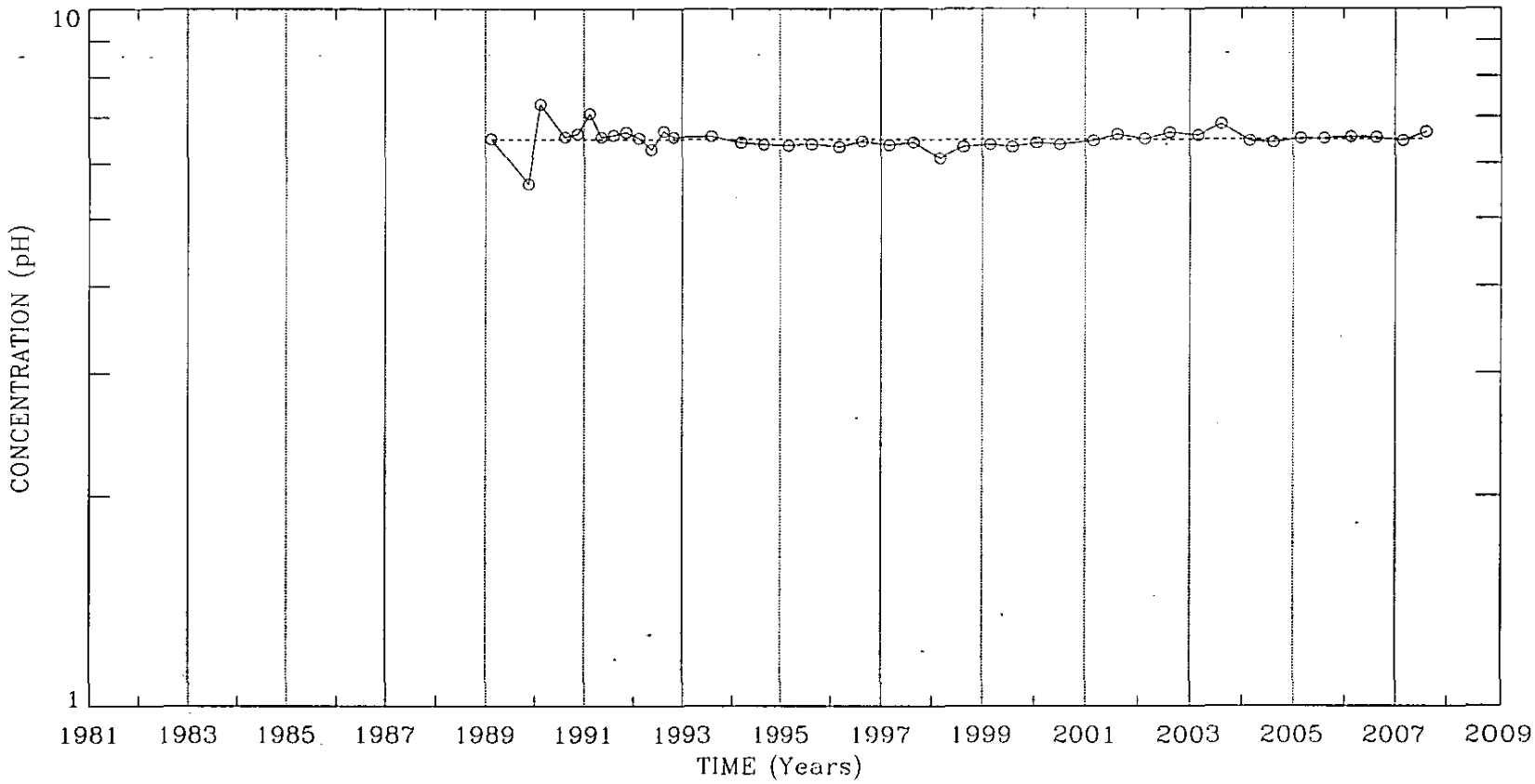

REGRESSION LINE EQUATION: $Y = 5.437E+000e^{0.0024x}$

Well 20A UNIT 4
PH
Clean Harbors Baton Rouge, LLC



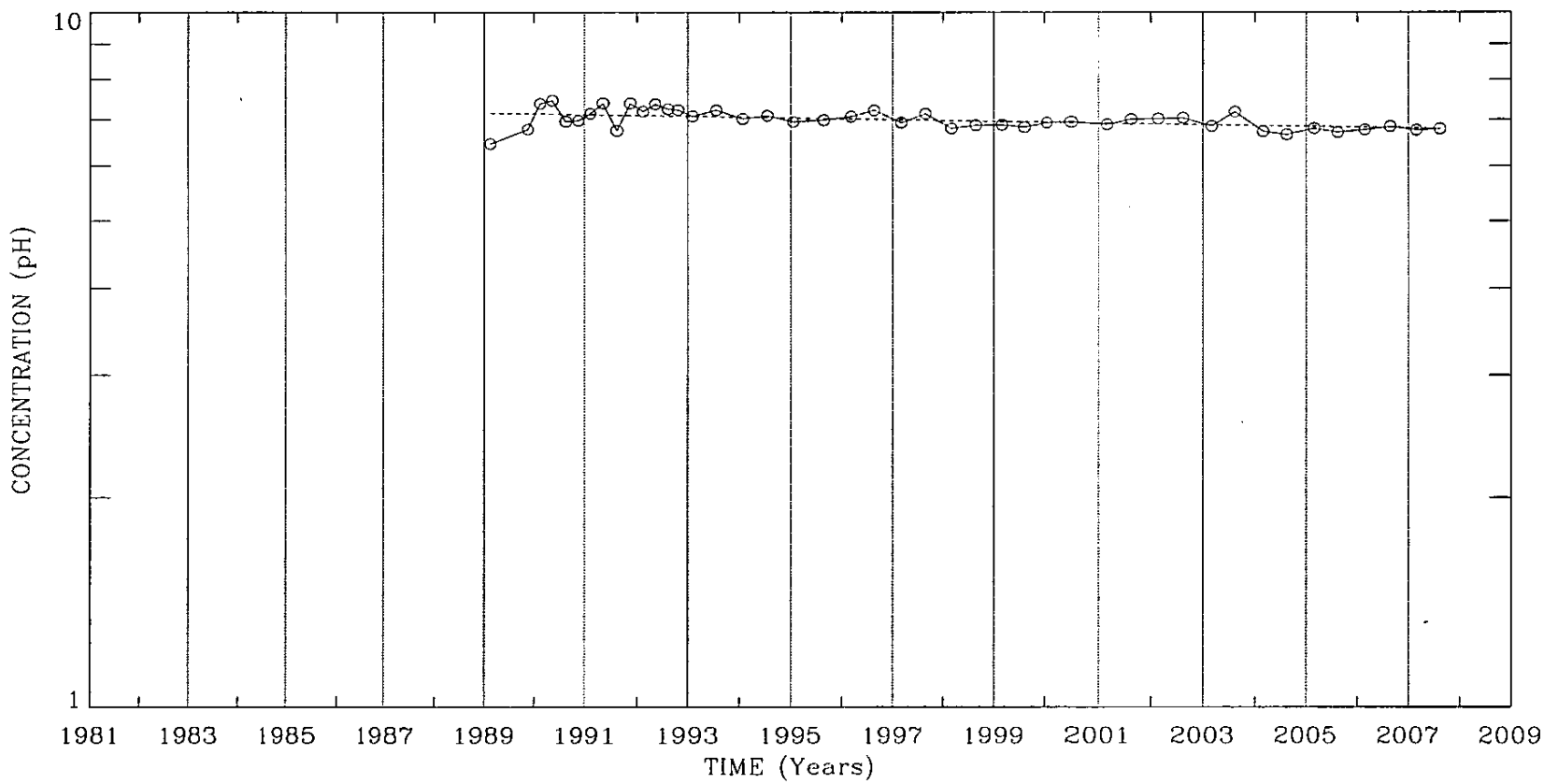

REGRESSION LINE EQUATION: $Y = 6.916E+000e^{-0.0009x}$

Well 21A UNIT 4
PH
Clean Harbors Baton Rouge, LLC



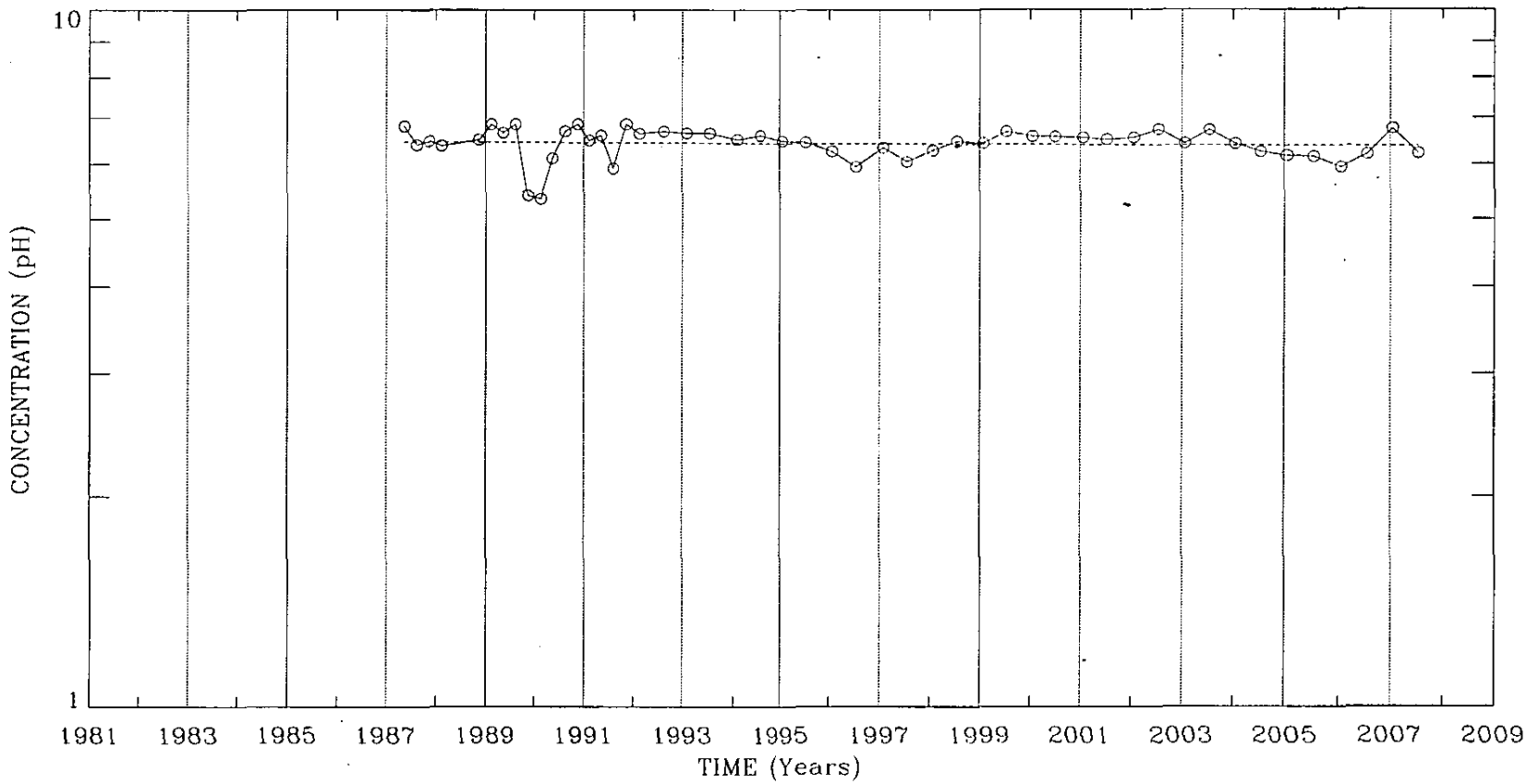

REGRESSION LINE EQUATION: $Y = 6.489E+000e^{0.0000x}$

Well 21B-1 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



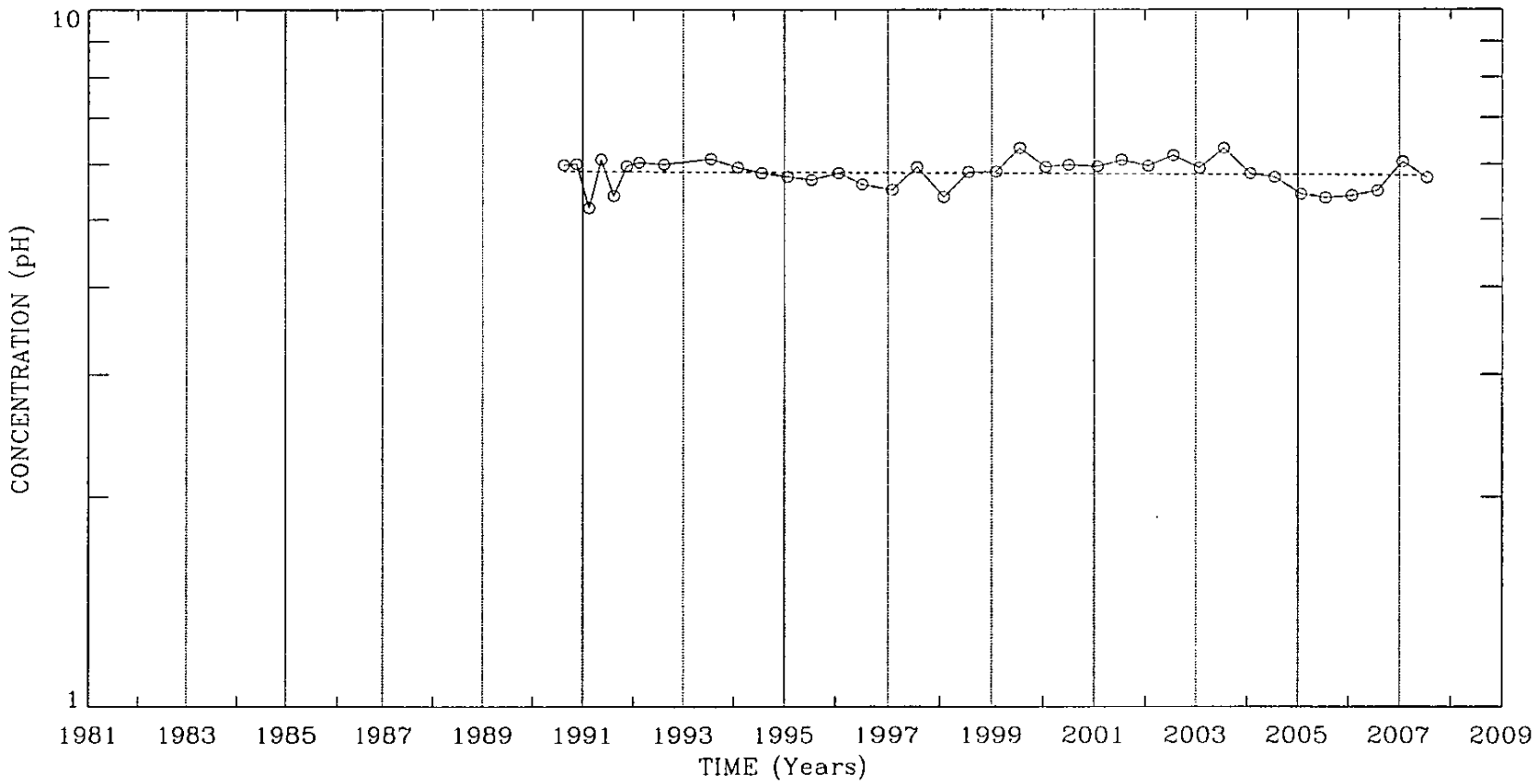

REGRESSION LINE EQUATION: $Y = 9.174E+000e^{-0.0028x}$

Well 22A UNIT 4
PH
Clean Harbors Baton Rouge, LLC



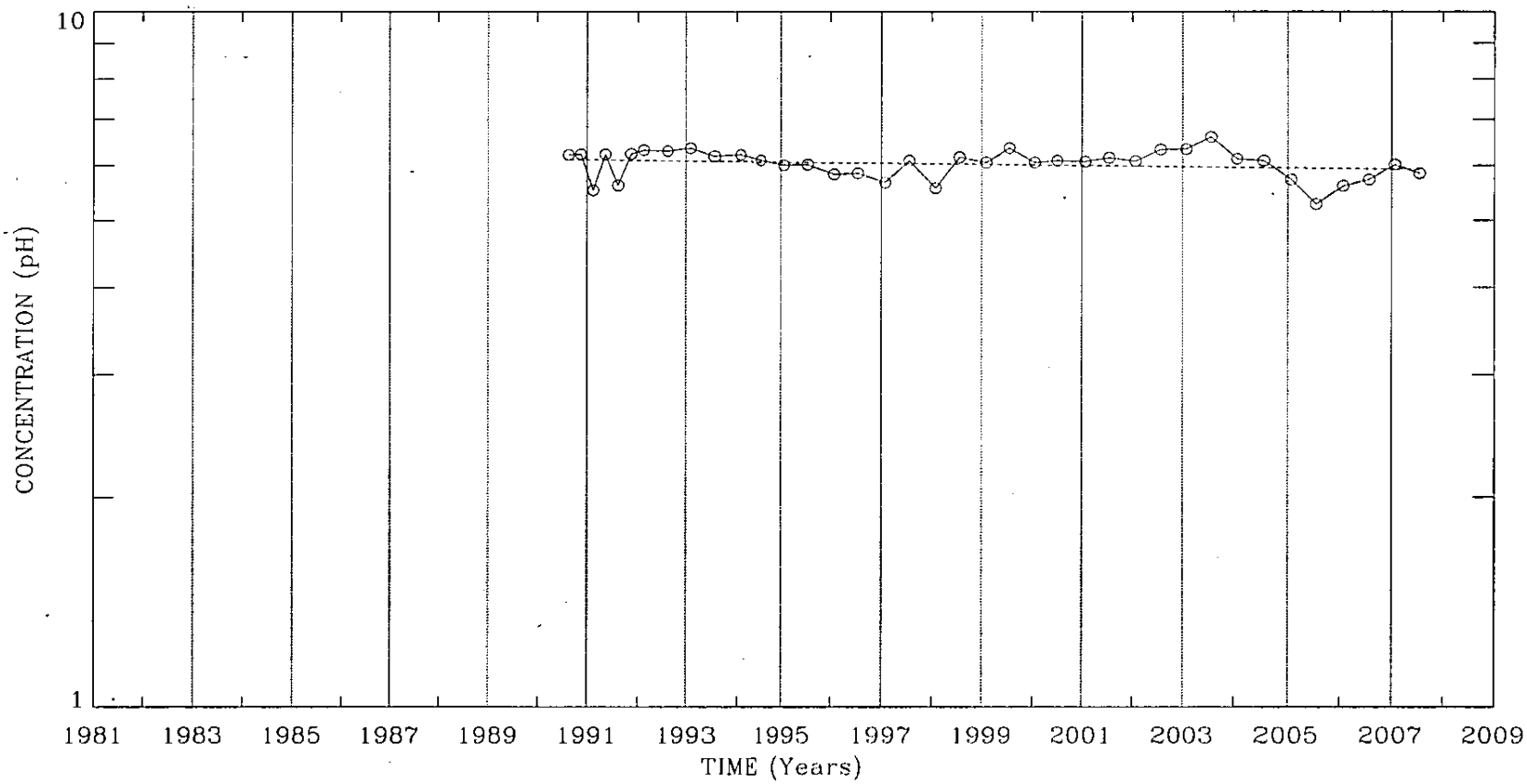

REGRESSION LINE EQUATION: $Y = 6.887E+000e^{-0.0007x}$

Well 22AW UNIT 3
PH
Clean Harbors Baton Rouge, LLC



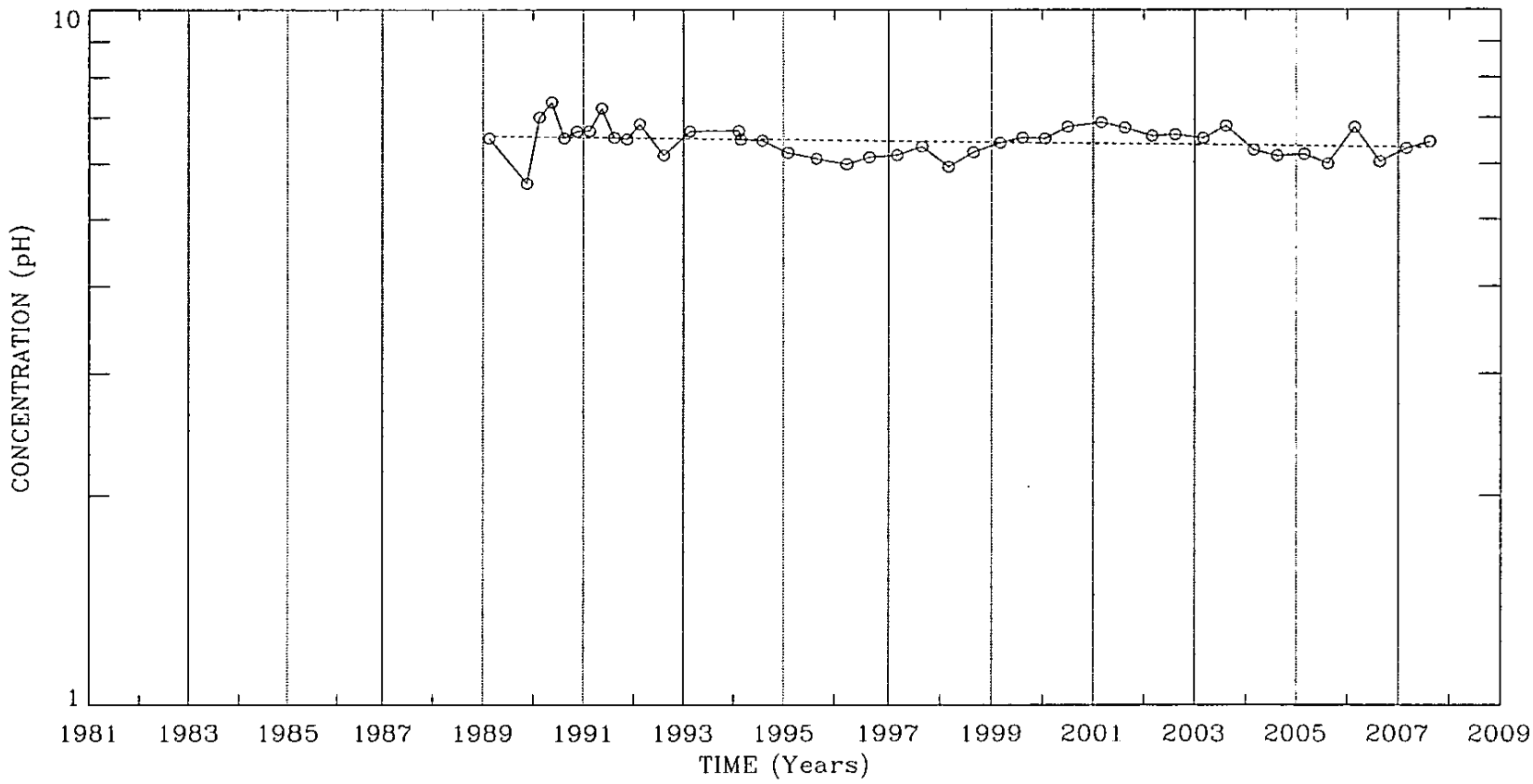

REGRESSION LINE EQUATION: $Y = 6.303E+000e^{-0.0008x}$

Well 22B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



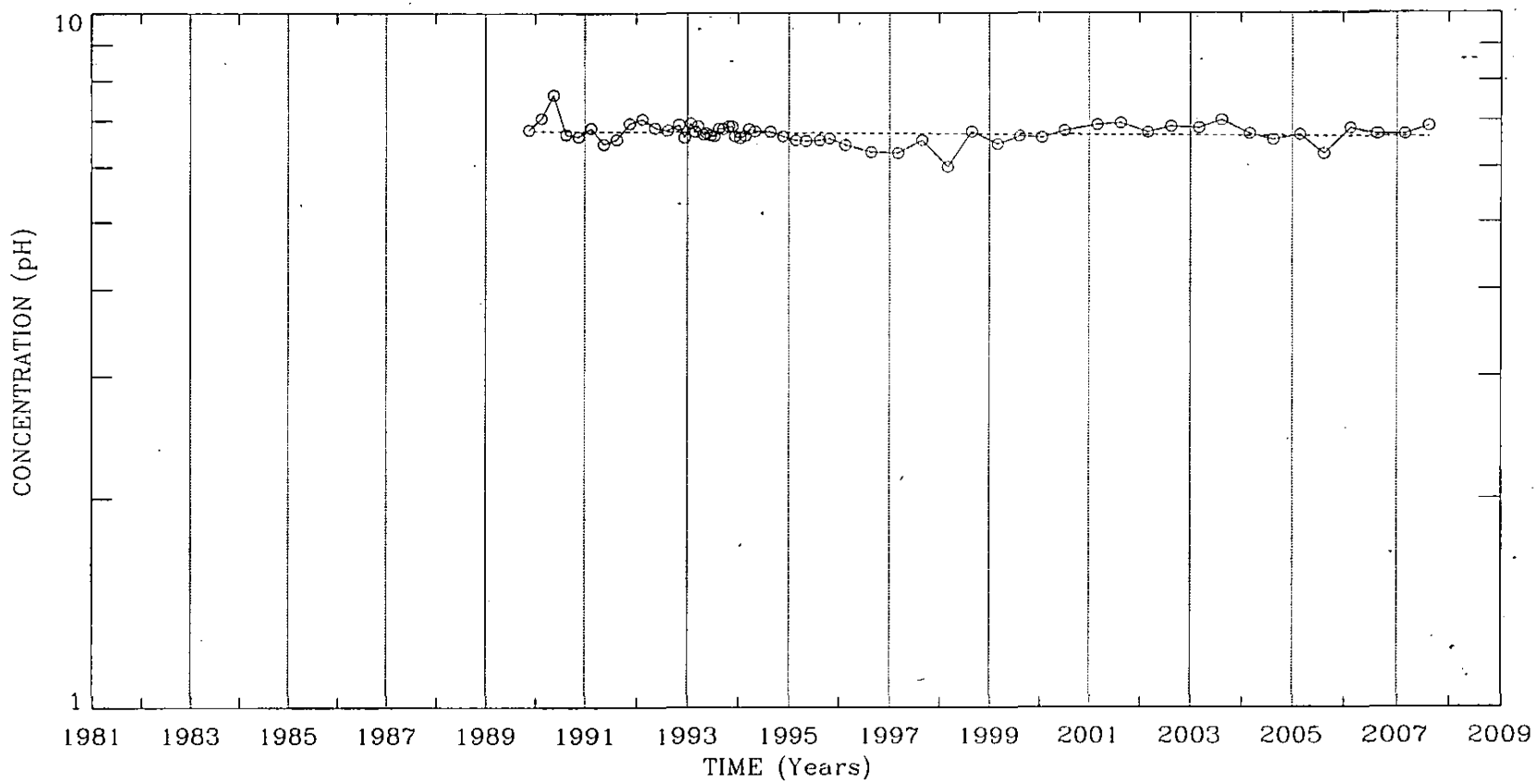

REGRESSION LINE EQUATION: $Y = 7.258E+000e^{-0.0019x}$

Well 23A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



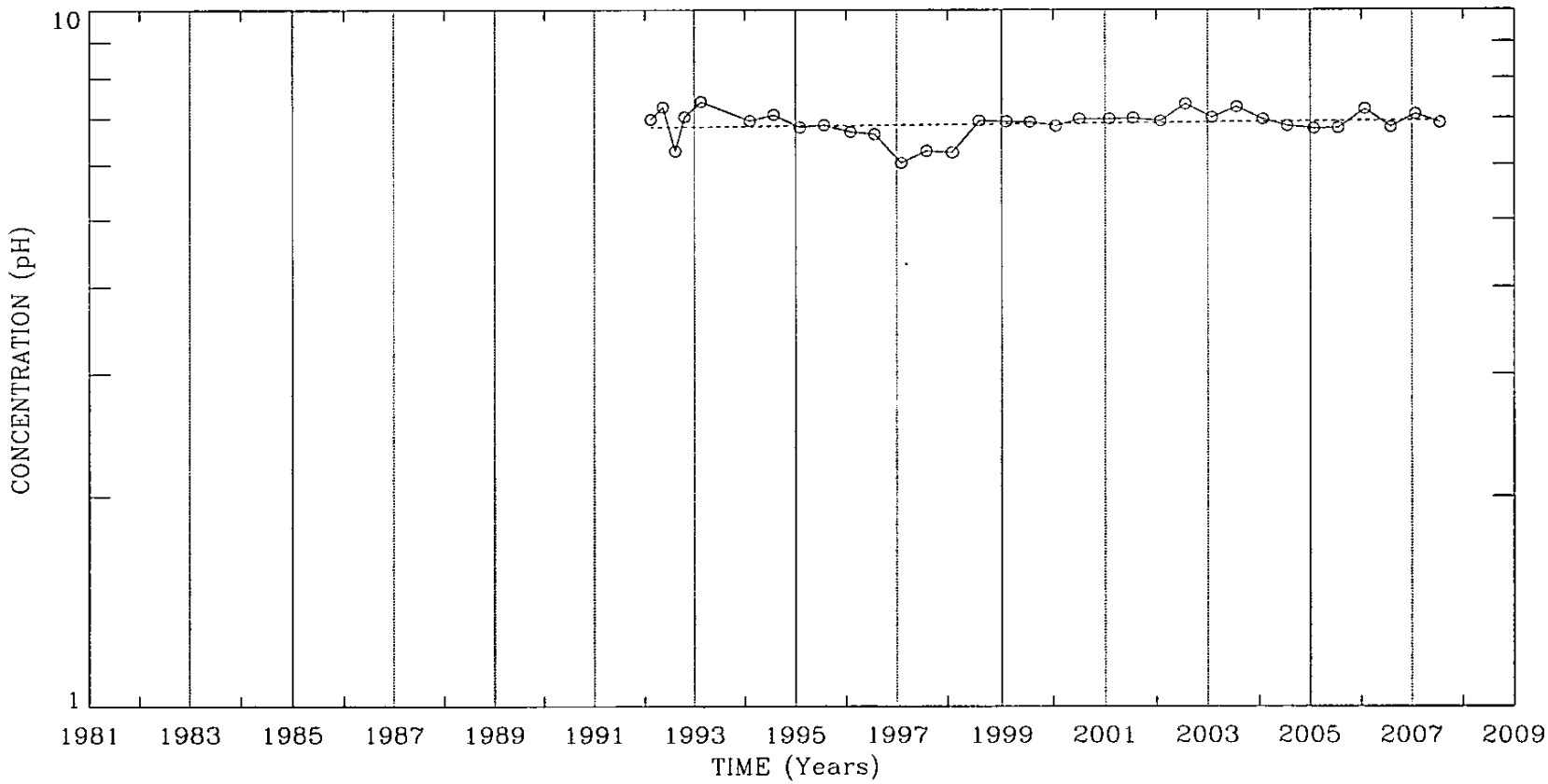

REGRESSION LINE EQUATION: $Y = 7.896E+000e^{-0.0020x}$

Well 23B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



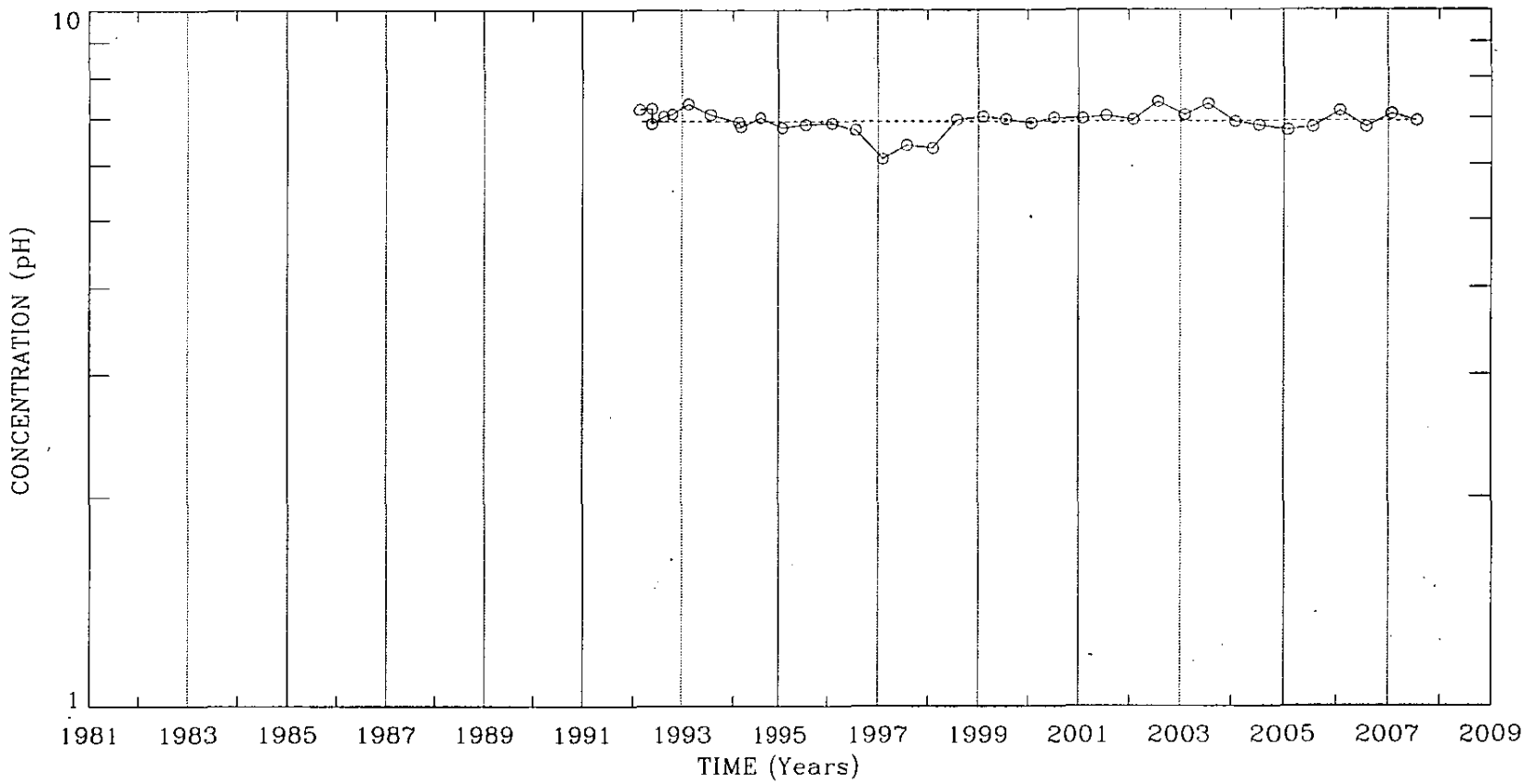

REGRESSION LINE EQUATION: $Y = 7.493E+000e^{-0.0012x}$

Well 23B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



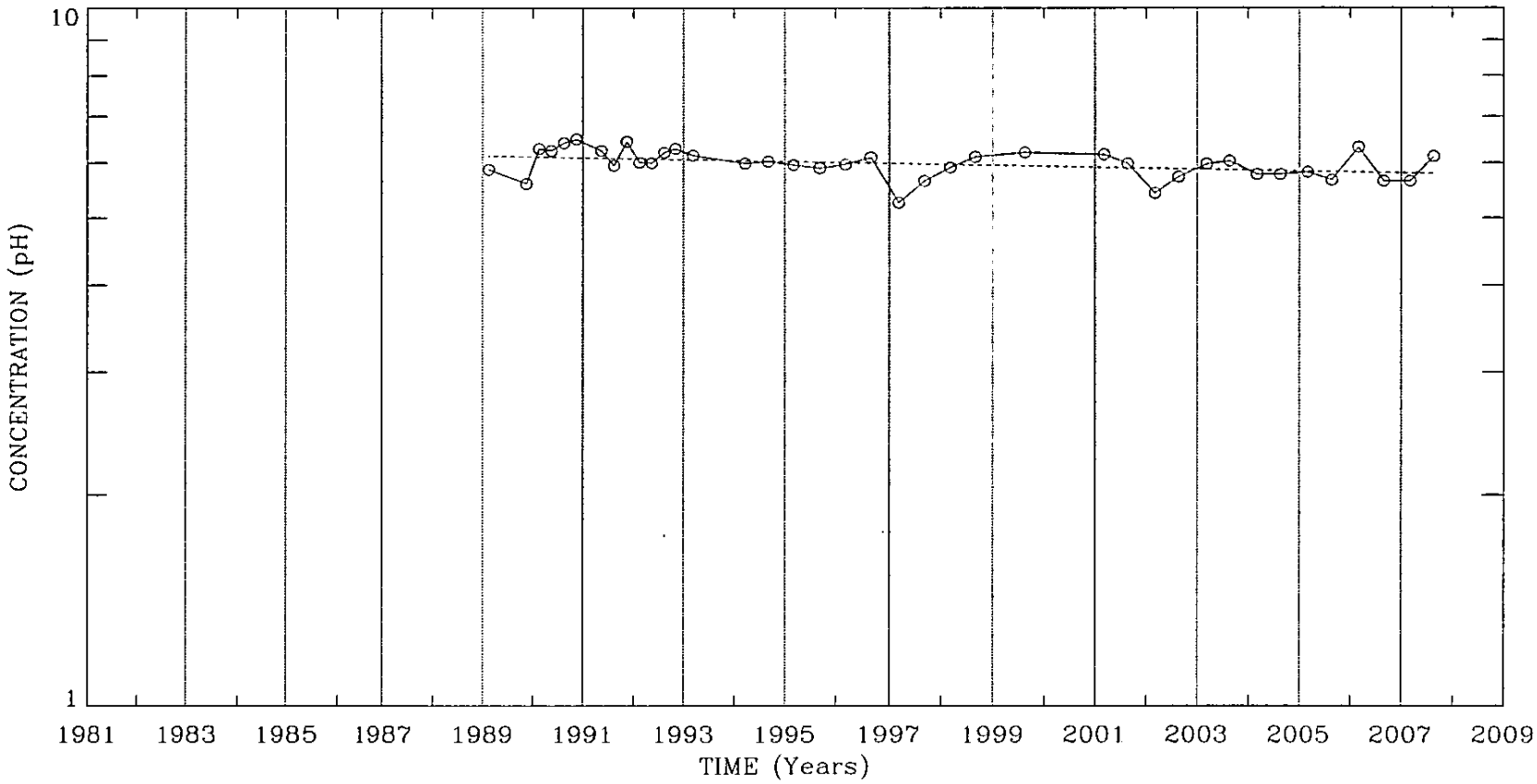

REGRESSION LINE EQUATION: $Y = 5.925E+000e^{0.0015x}$

Well 23C UNIT 8
PH
Clean Harbors Baton Rouge, LLC



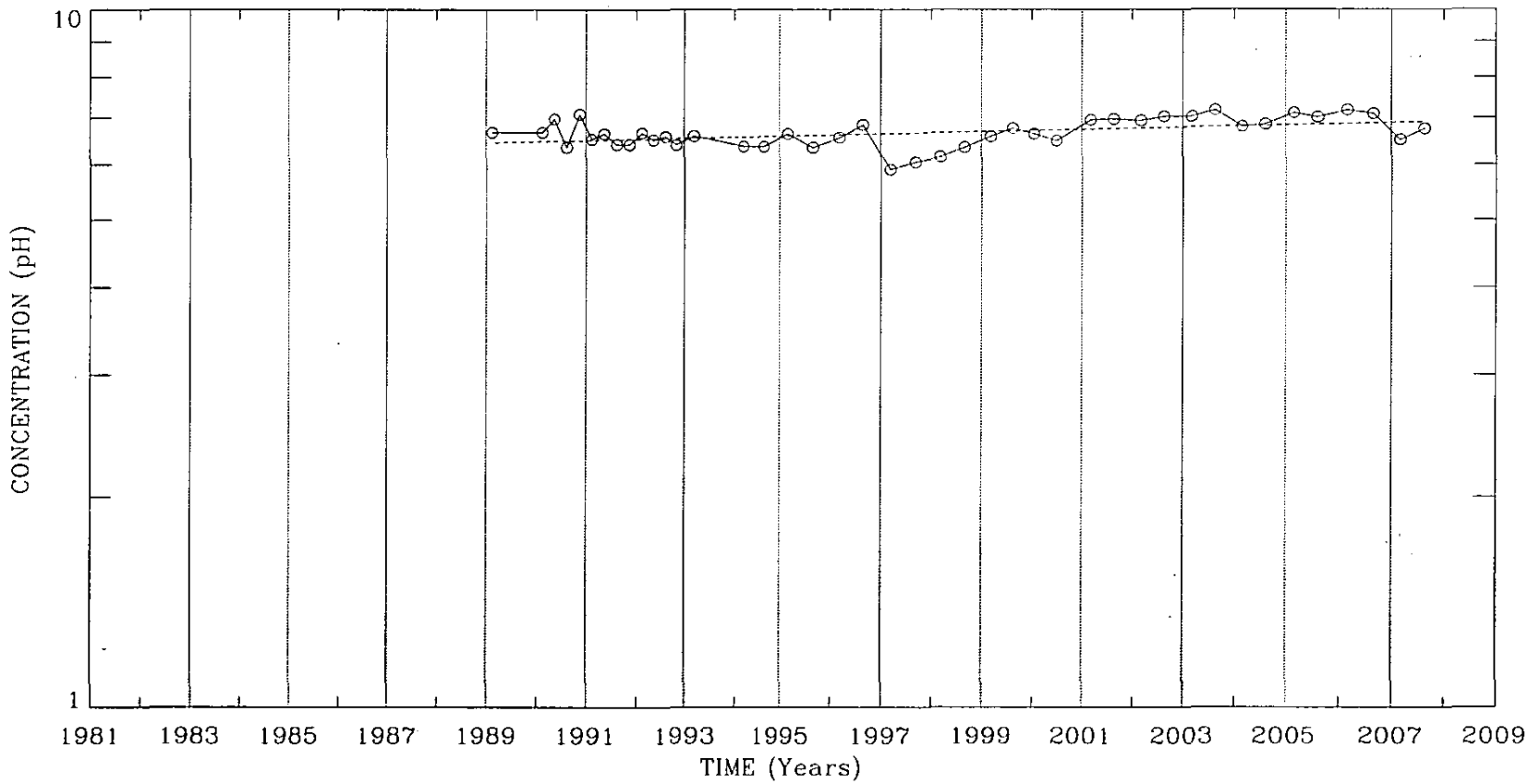

REGRESSION LINE EQUATION: $Y = 6.891E+000e^{0.0001x}$

Well 24A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



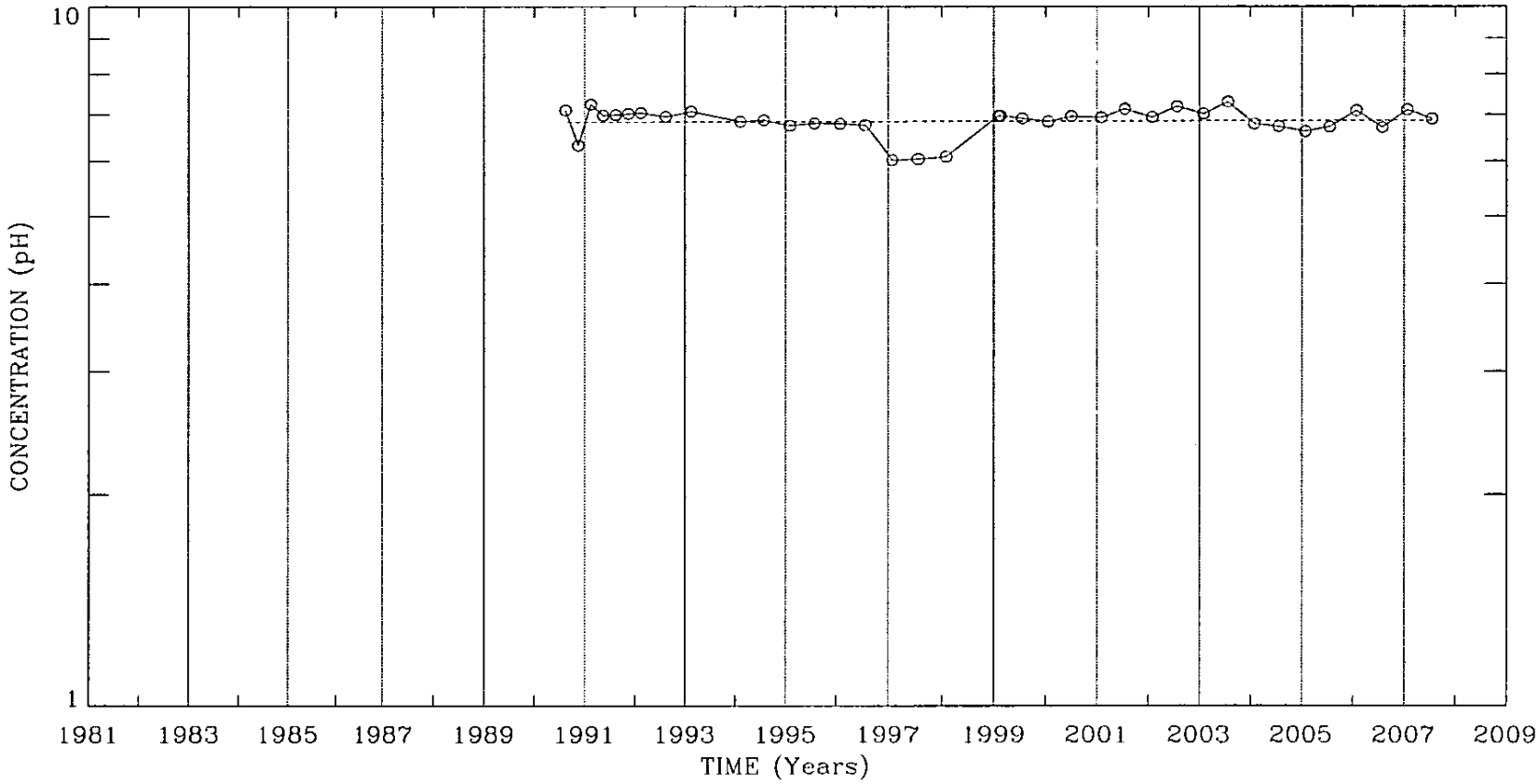

REGRESSION LINE EQUATION: $Y = 8.126E+000e^{-0.0031x}$

Well 24B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



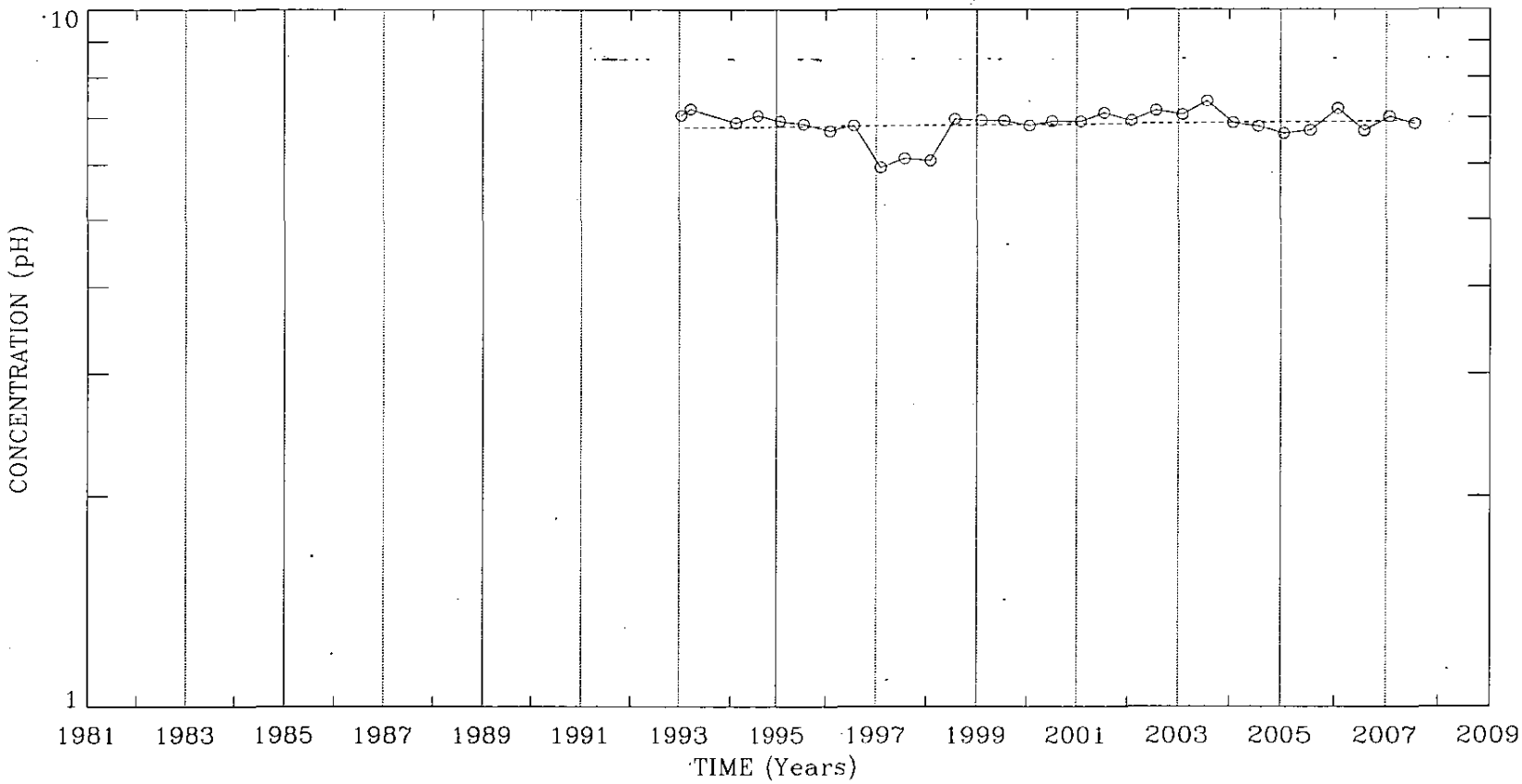

REGRESSION LINE EQUATION: $Y = 4.664E+000e^{0.0036x}$

Well 24C UNIT 8
PH
Clean Harbors Baton Rouge, LLC



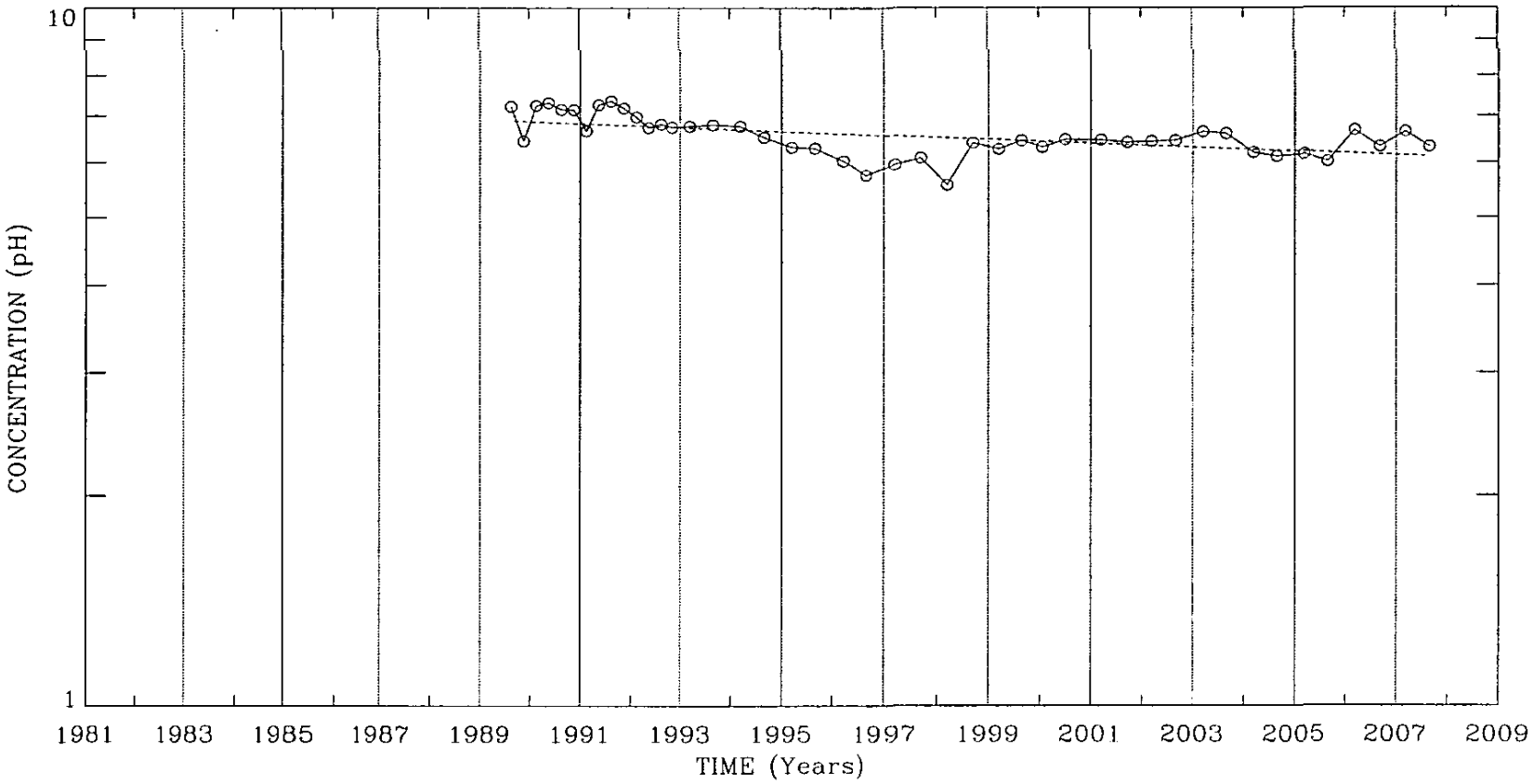

REGRESSION LINE EQUATION: $Y = 6.602E+000e^{0.0004x}$

Well 24CL UNIT 8
PH
Clean Harbors Baton Rouge, LLC



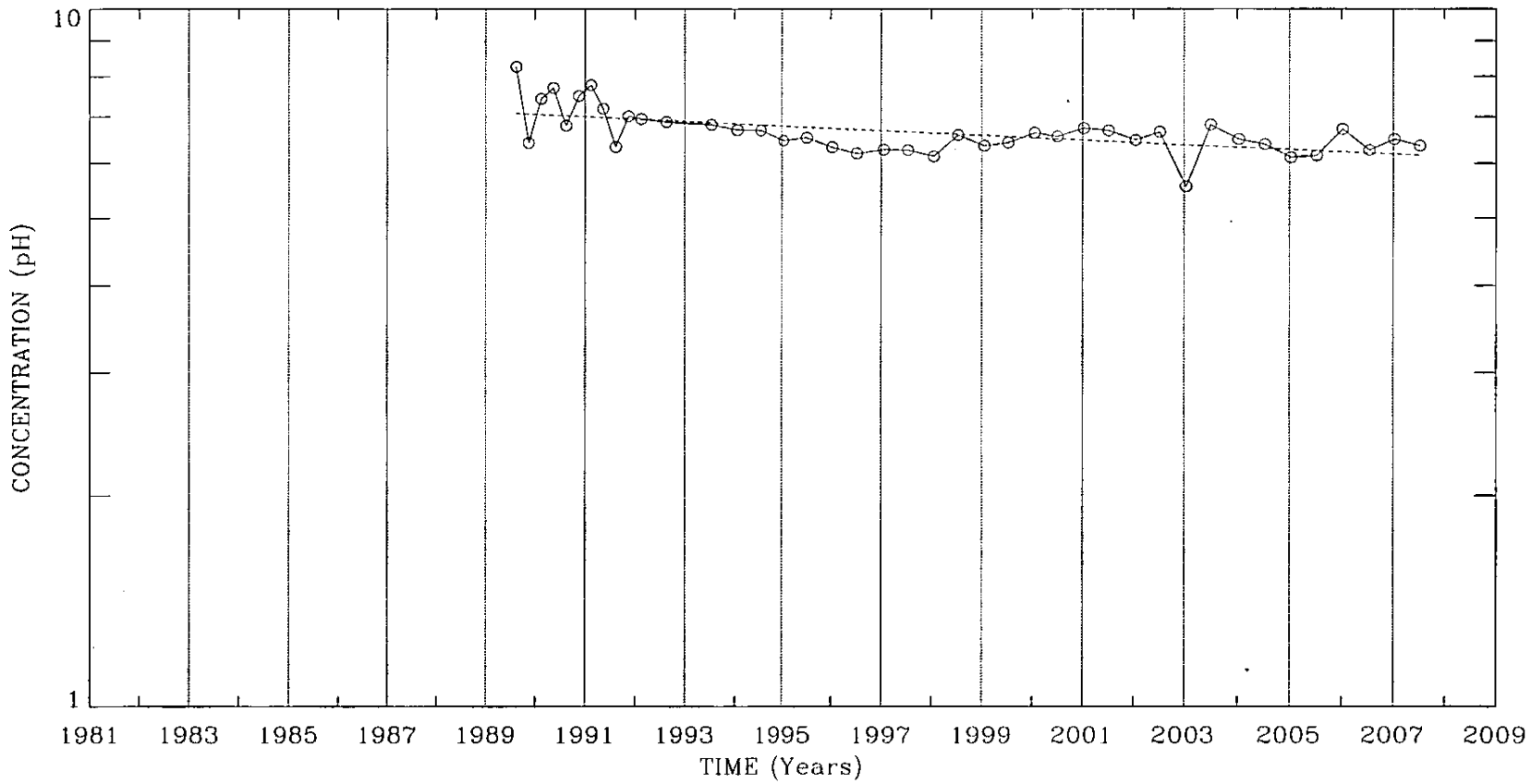

REGRESSION LINE EQUATION: $Y = 5.882E+000e^{0.0015x}$

Well 25A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



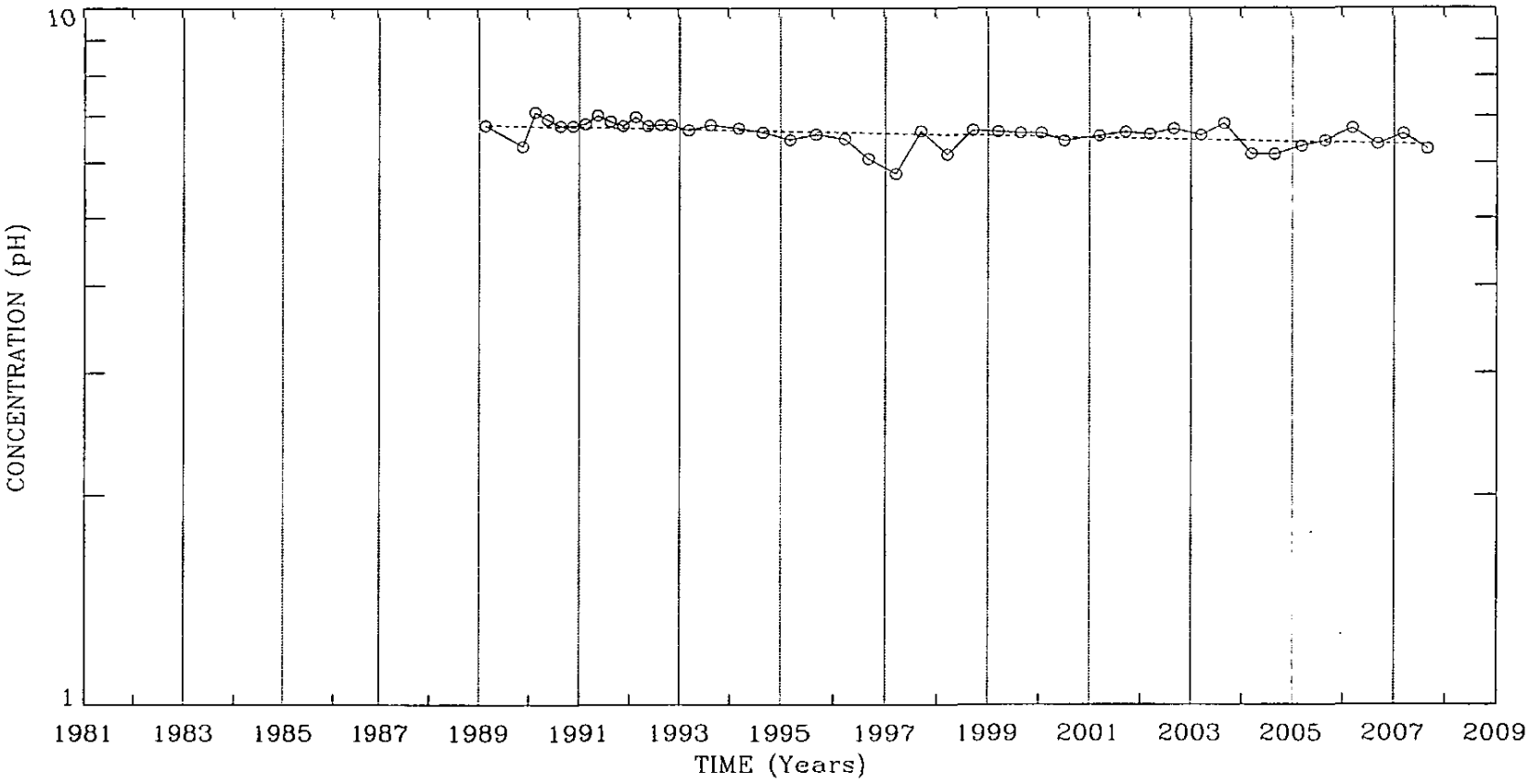

REGRESSION LINE EQUATION: $Y = 1.237E+001e^{-0.0065x}$

Well 25B-1 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



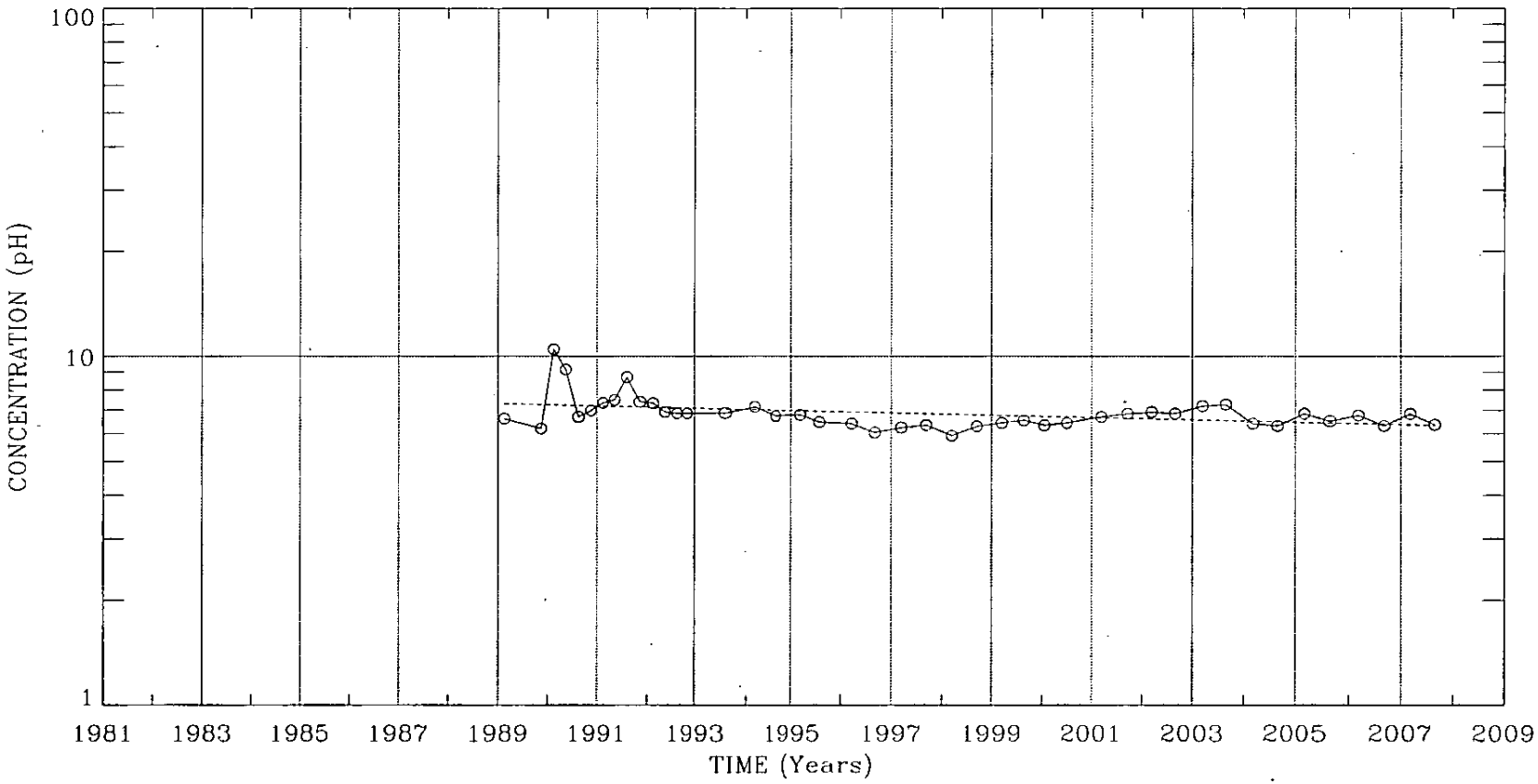

REGRESSION LINE EQUATION: $Y = 1.412E+001e^{-0.0077x}$

Well 26A UNIT 4
PH
Clean Harbors Baton Rouge, LLC



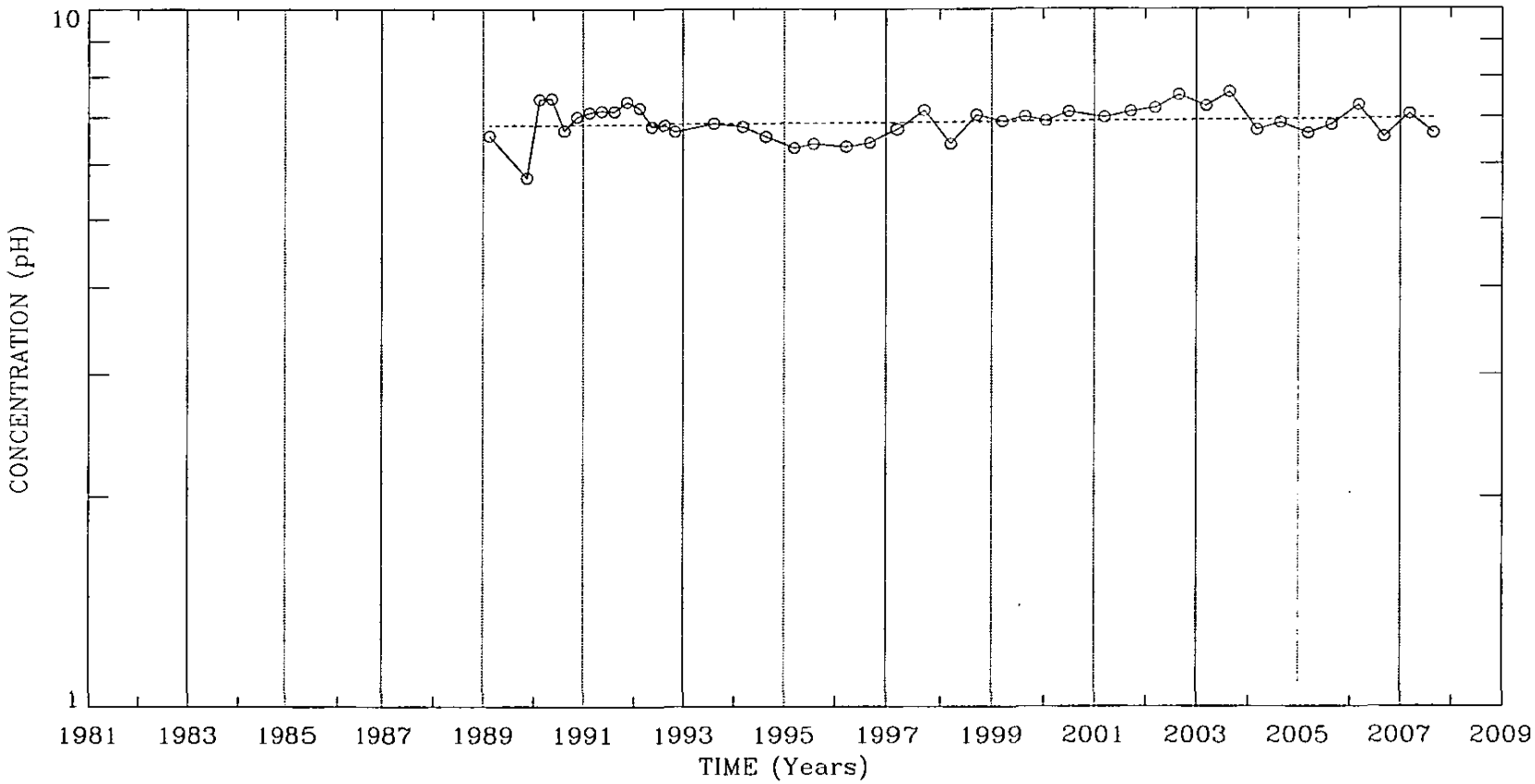

REGRESSION LINE EQUATION: $Y = 9.274E+000e^{-0.0035x}$

Well 27A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



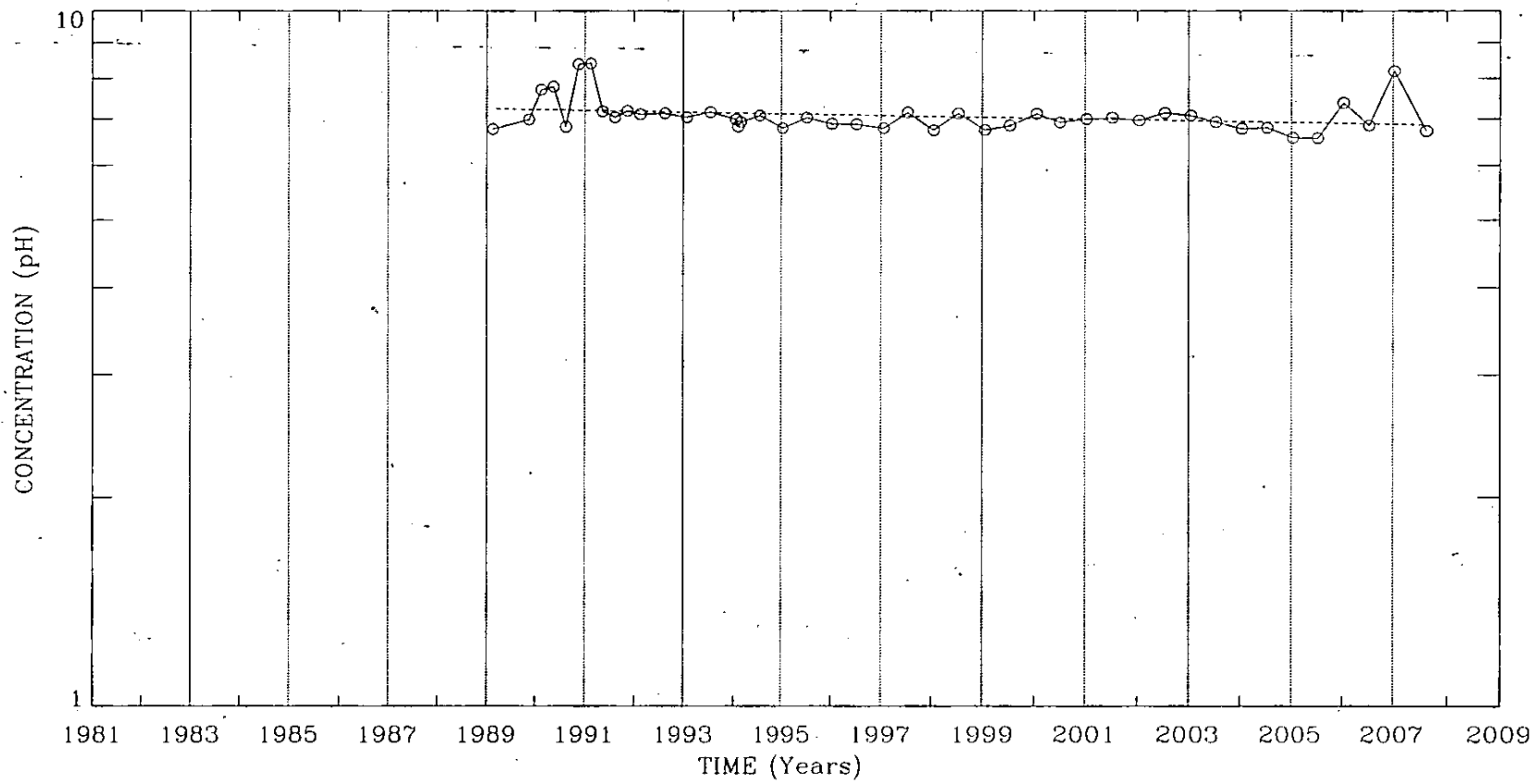

REGRESSION LINE EQUATION: $Y = 1.436E+001e^{-0.0076x}$

Well 28A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



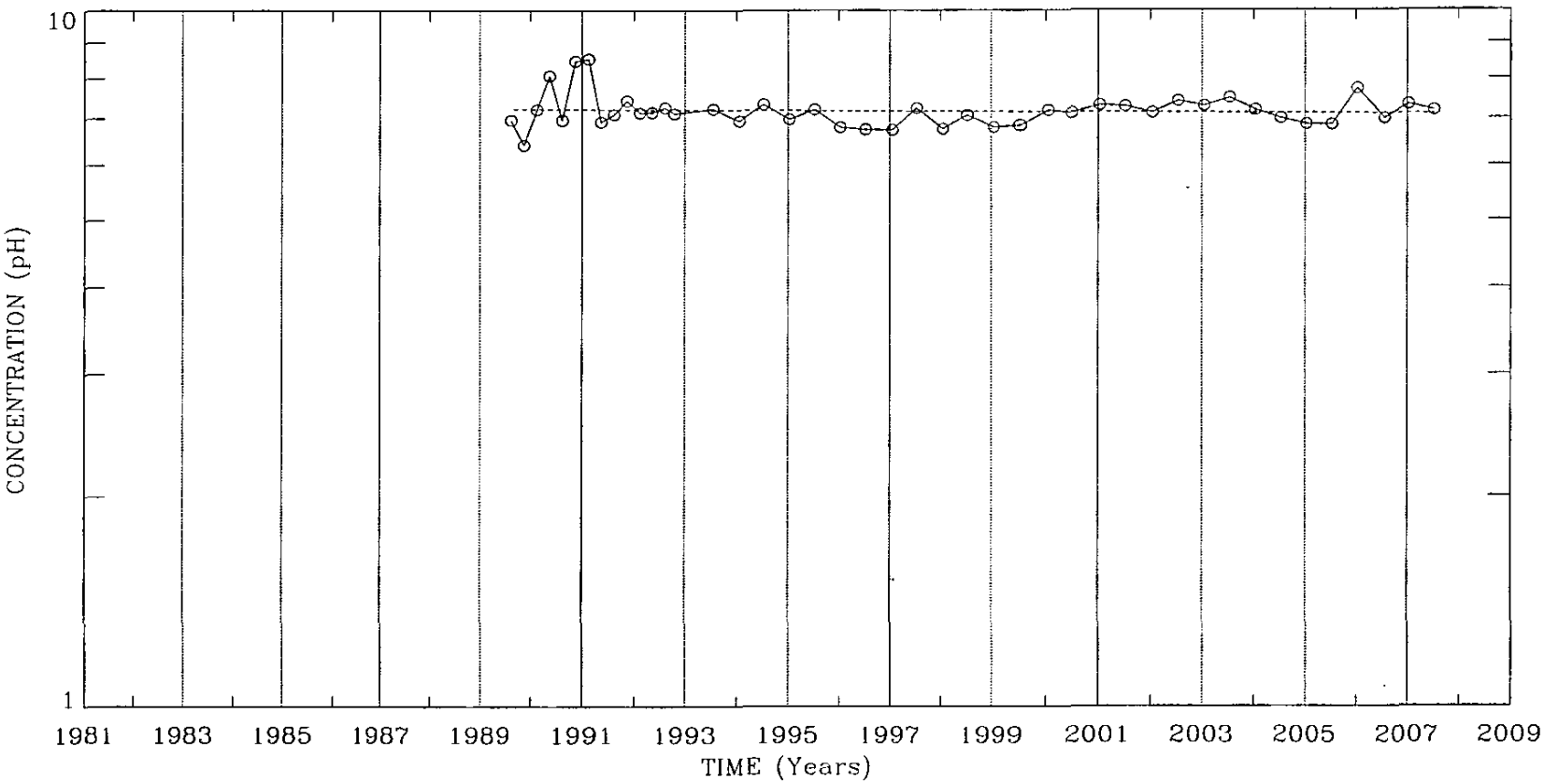

REGRESSION LINE EQUATION: $Y = 6.075E+000e^{0.0013x}$

Well 28B-1 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



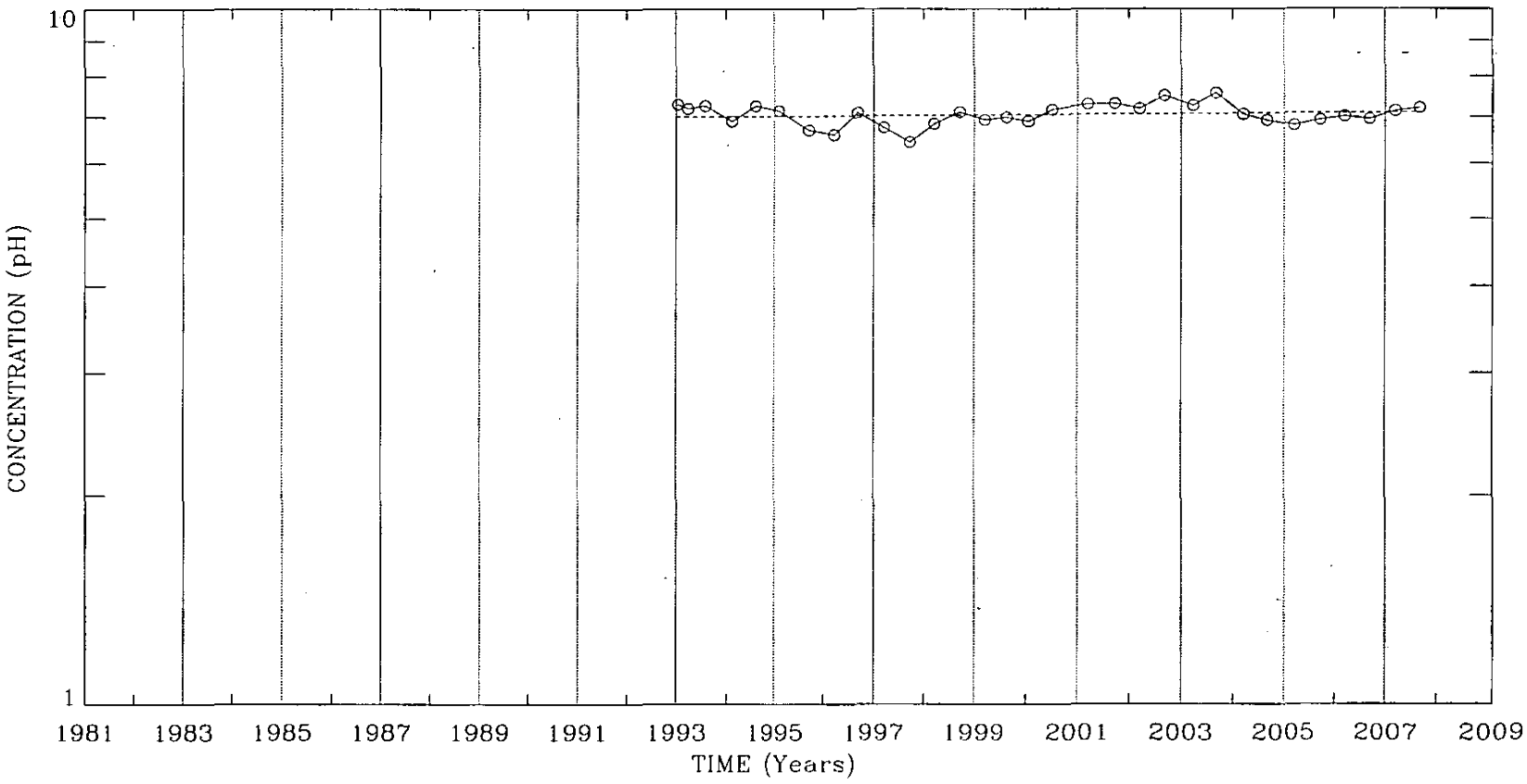

REGRESSION LINE EQUATION: $Y = 9.310E+000e^{-0.0028x}$

Well 30B-1 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



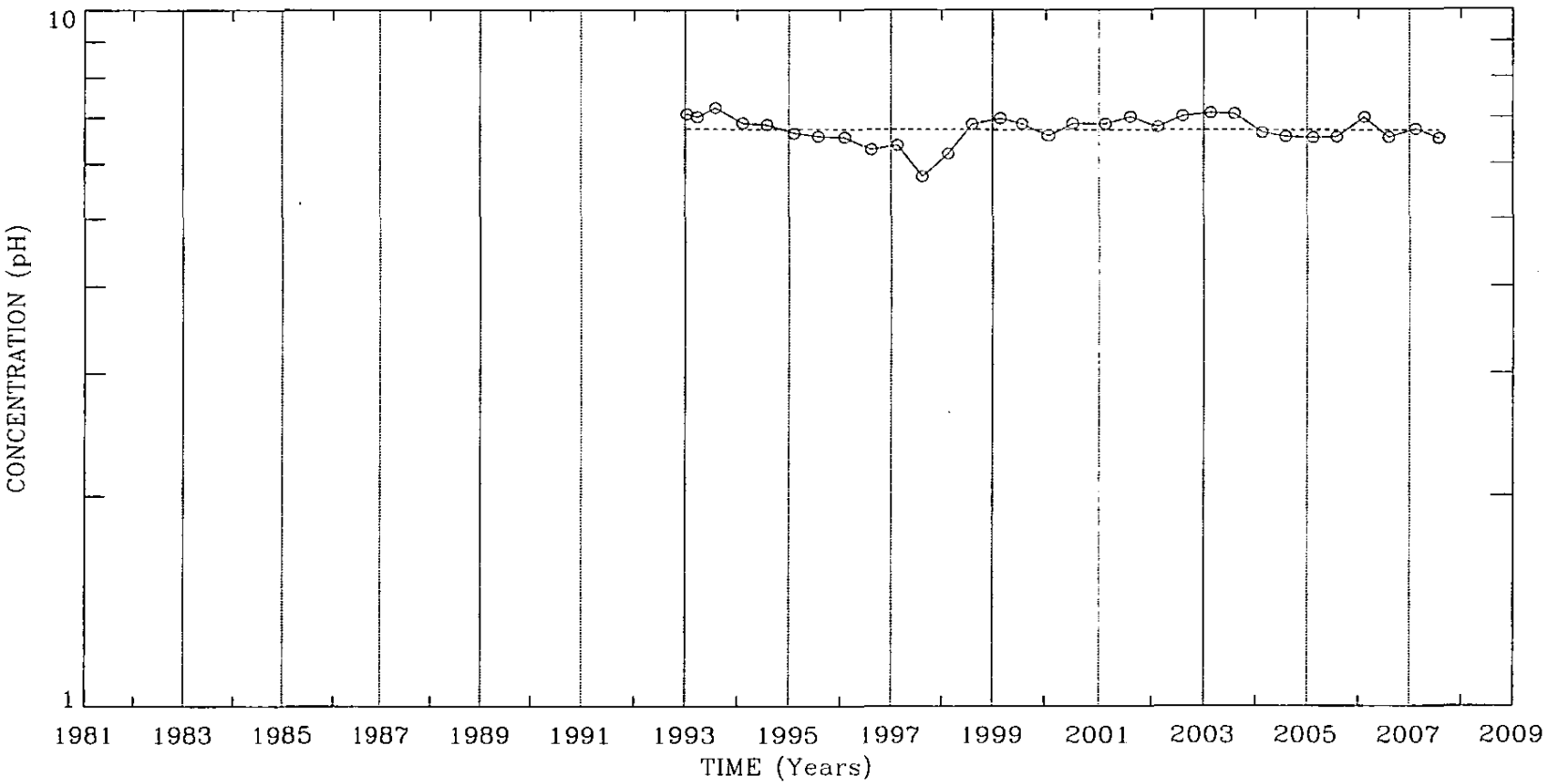

REGRESSION LINE EQUATION: $Y = 7.857E+000e^{-0.0009x}$

Well 31B-1L UNIT 4
PH
Clean Harbors Baton Rouge, LLC



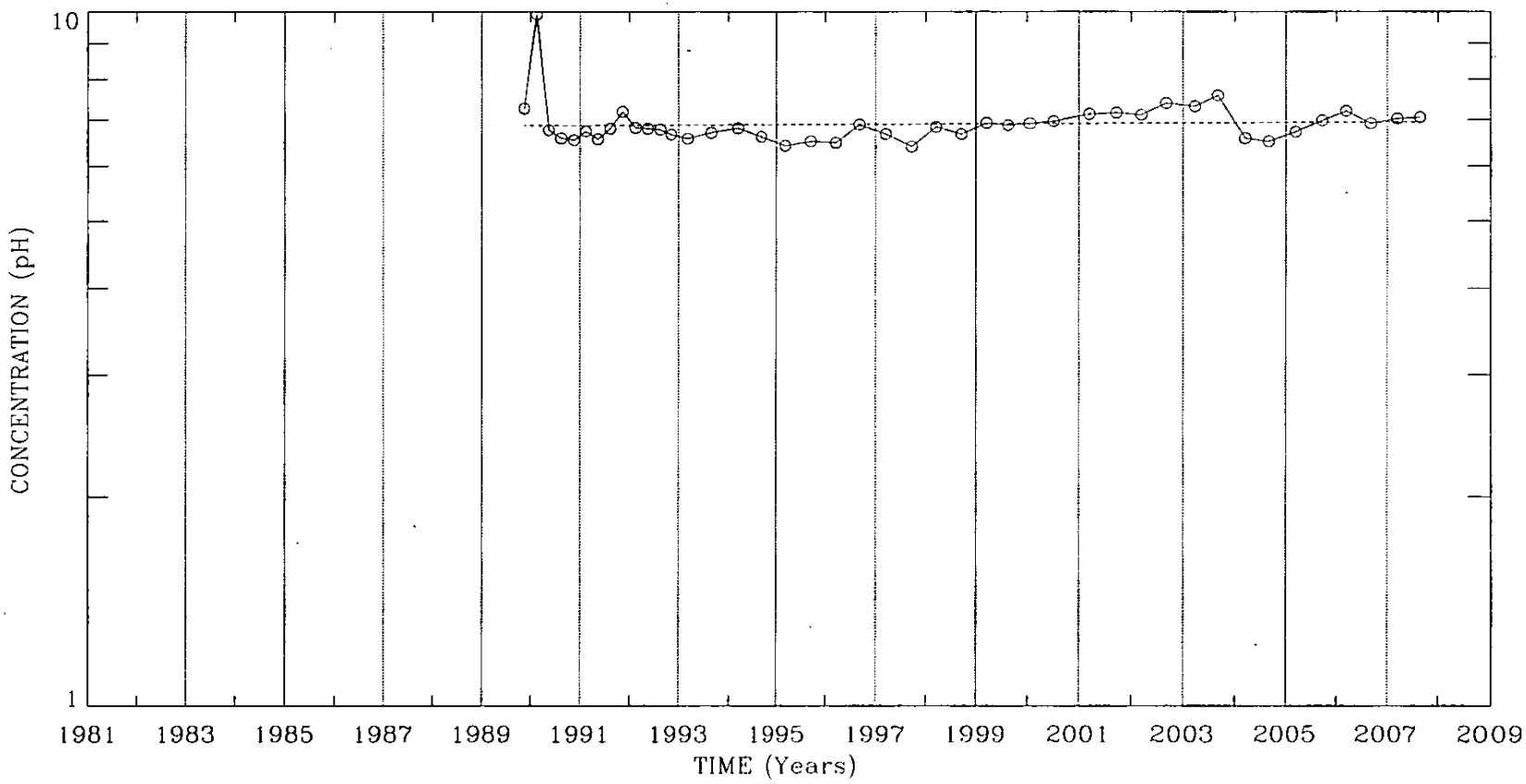

REGRESSION LINE EQUATION: $Y = 6.363E+000e^{0.0010x}$

Well 31B-1U UNIT 4
PH
Clean Harbors Baton Rouge, LLC



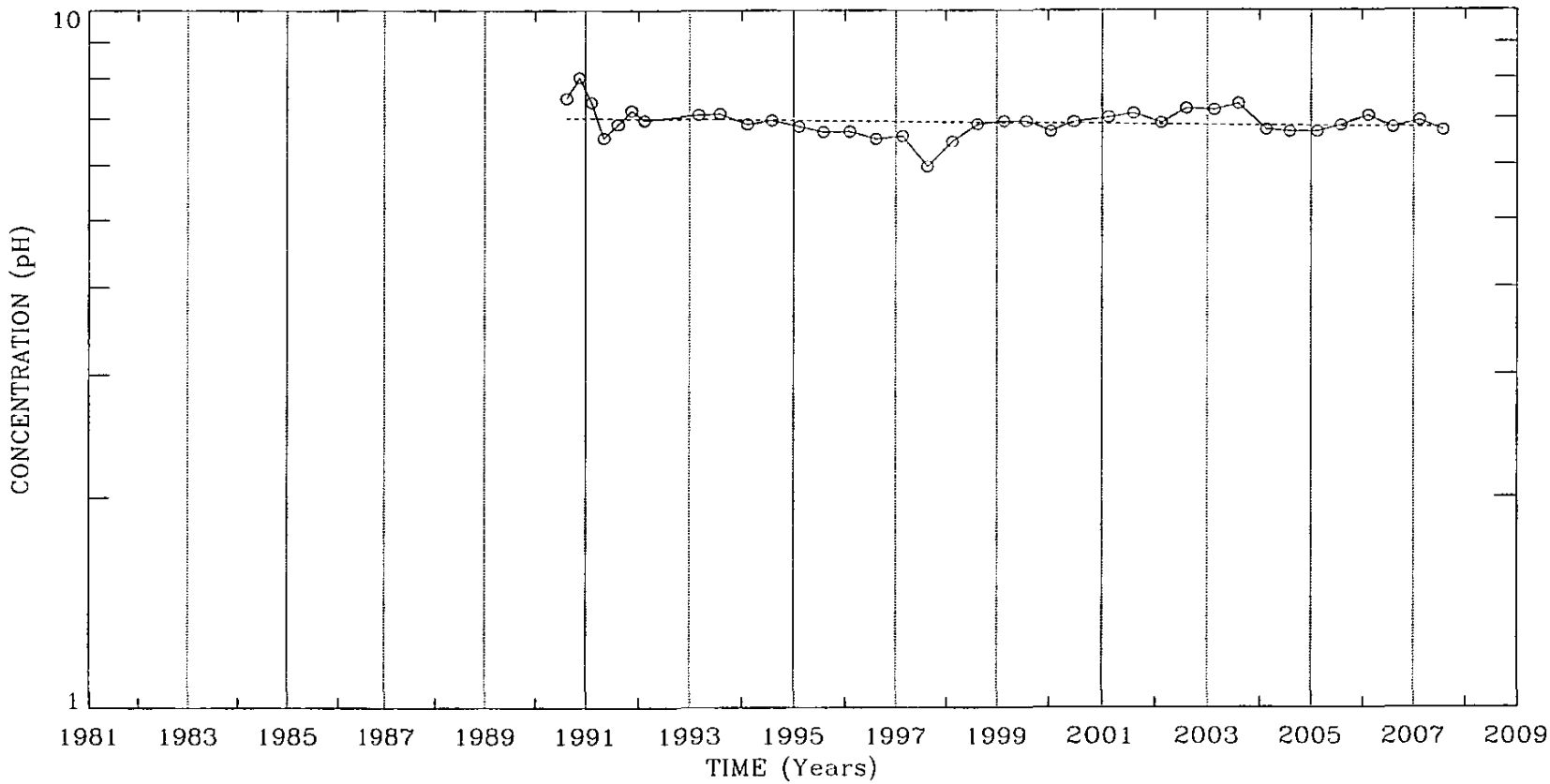

REGRESSION LINE EQUATION: $Y = 7.109E+000e^{-0.0006x}$

Well 31B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



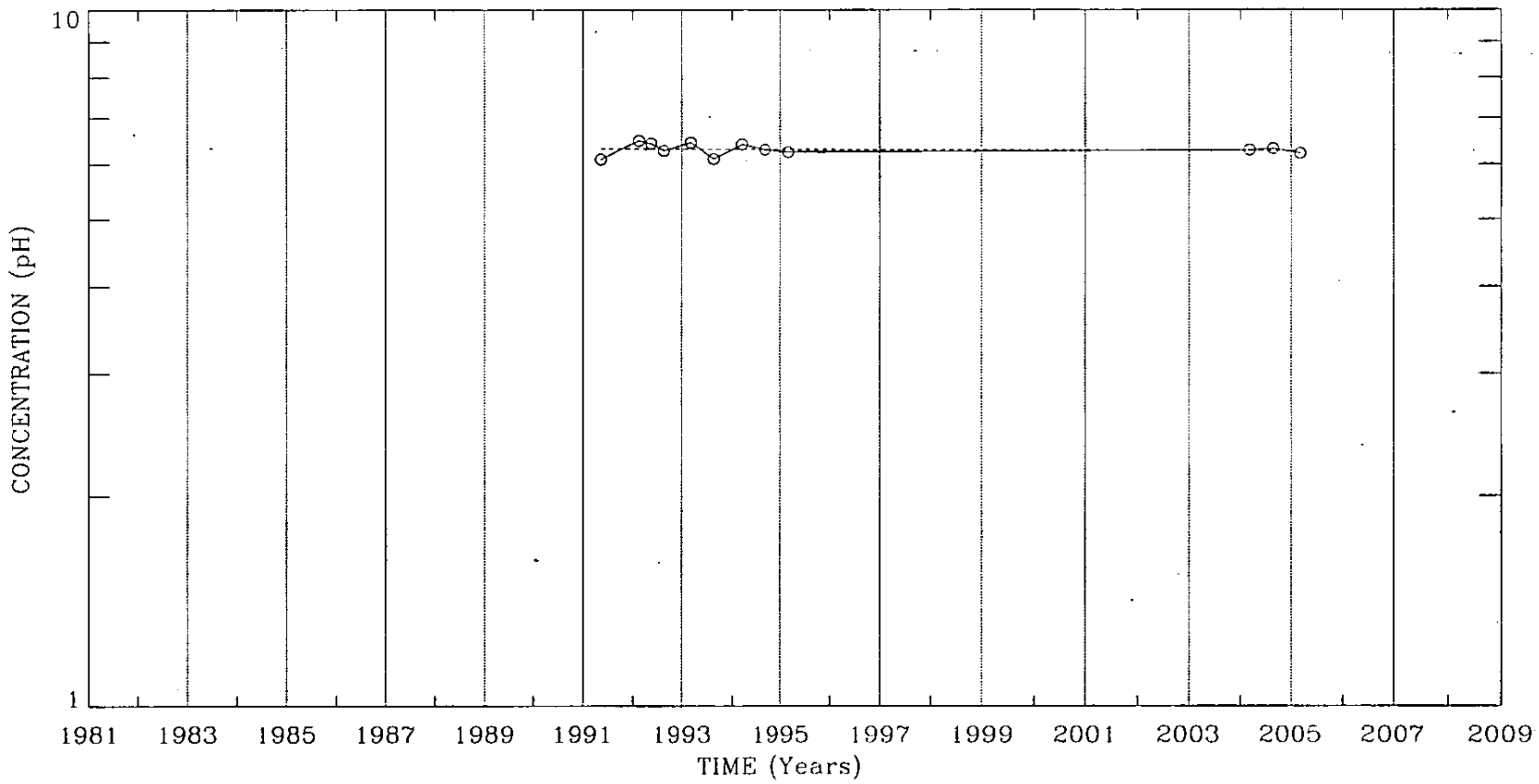

REGRESSION LINE EQUATION: $Y = 6.424E+000e^{0.0007x}$

Well 31C UNIT 8
PH
Clean Harbors Baton Rouge, LLC



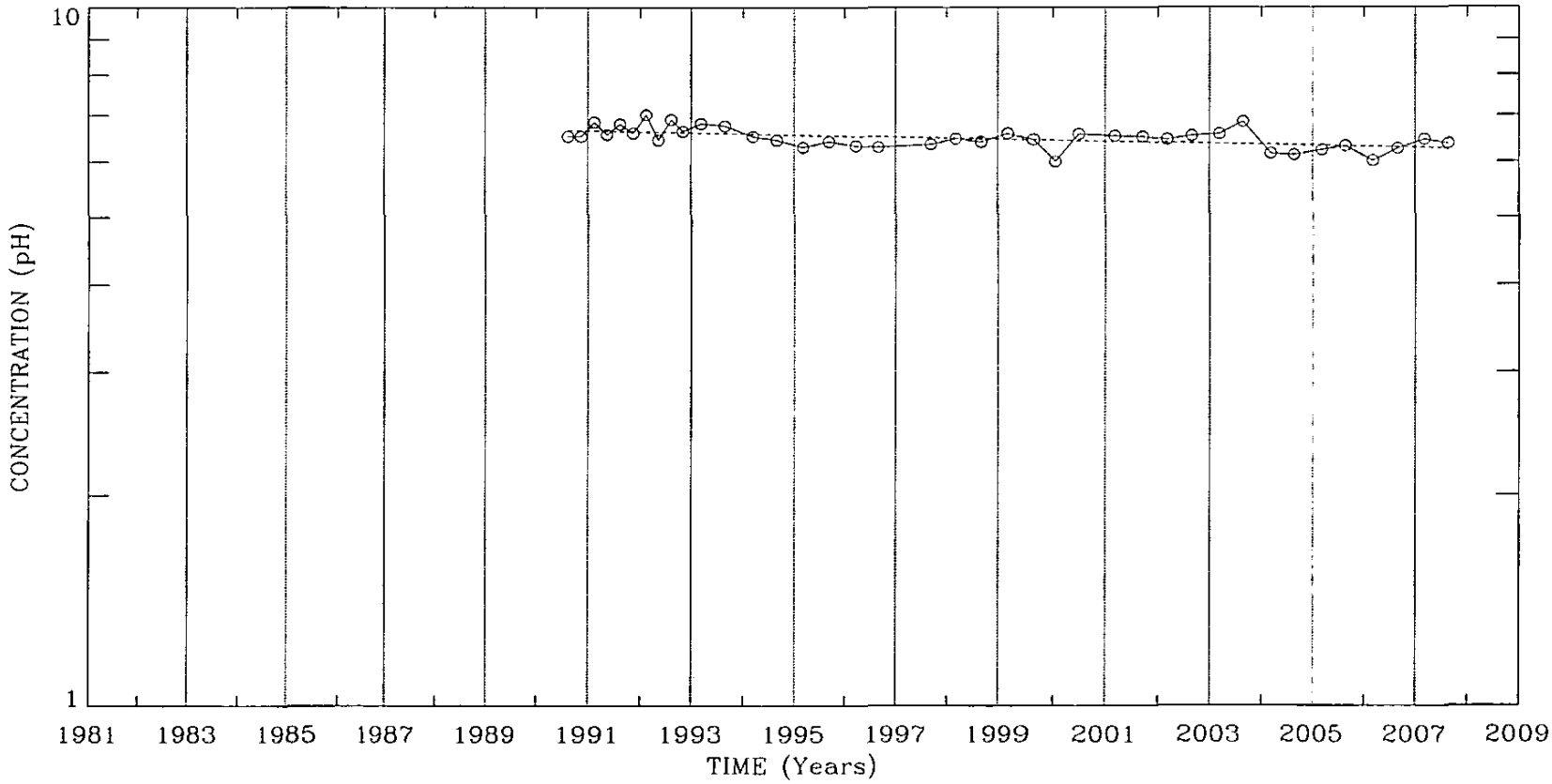

REGRESSION LINE EQUATION: $Y = 8.314E+000e^{-0.0019x}$

Well 32A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



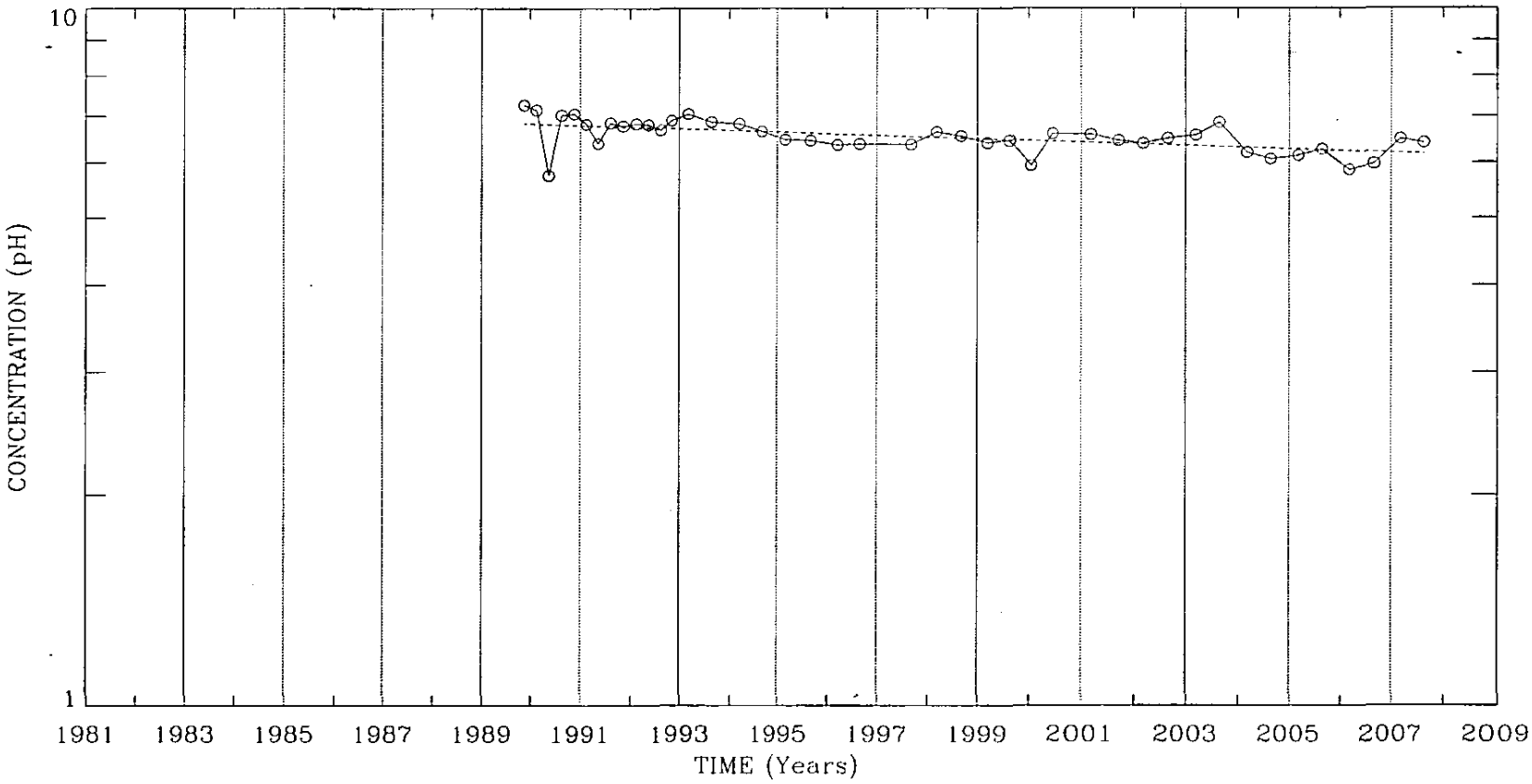

REGRESSION LINE EQUATION: $Y = 6.611E+000e^{-0.0005x}$

Well 32B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



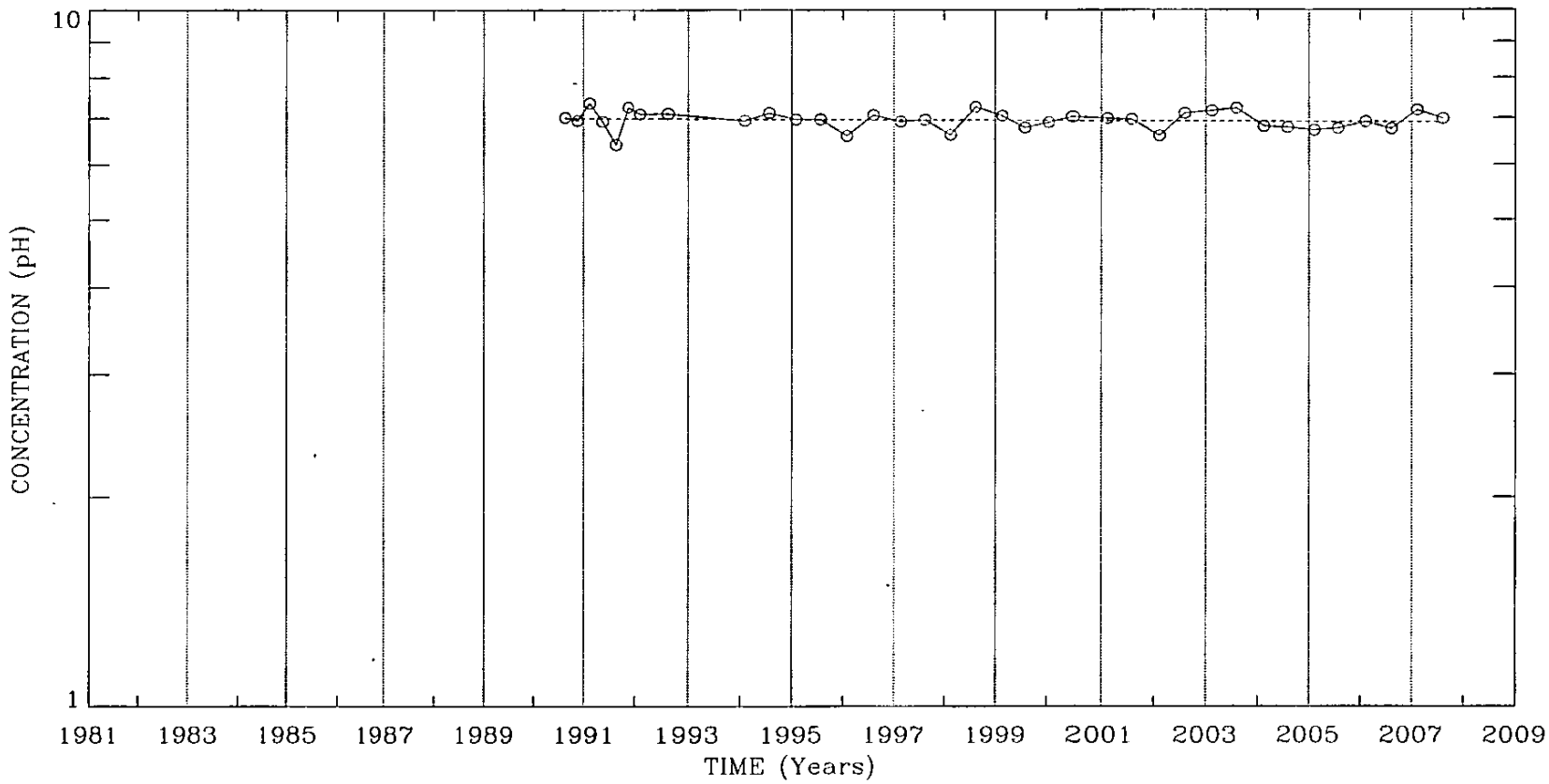

REGRESSION LINE EQUATION: $Y = 9.185E+000e^{-0.0035x}$

Well 32B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



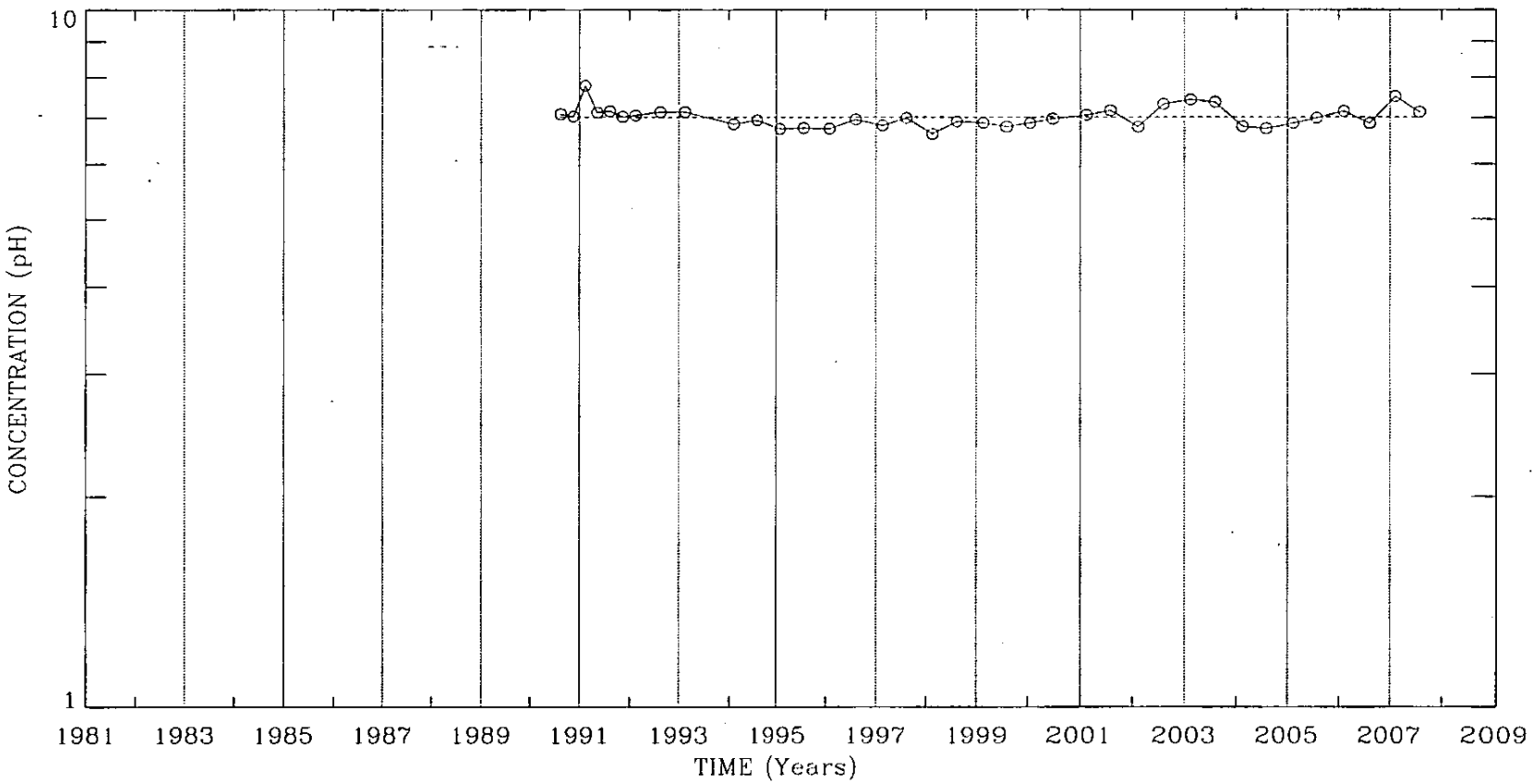

REGRESSION LINE EQUATION: $Y = 1.129E+001e^{-0.0056x}$

Well 33A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



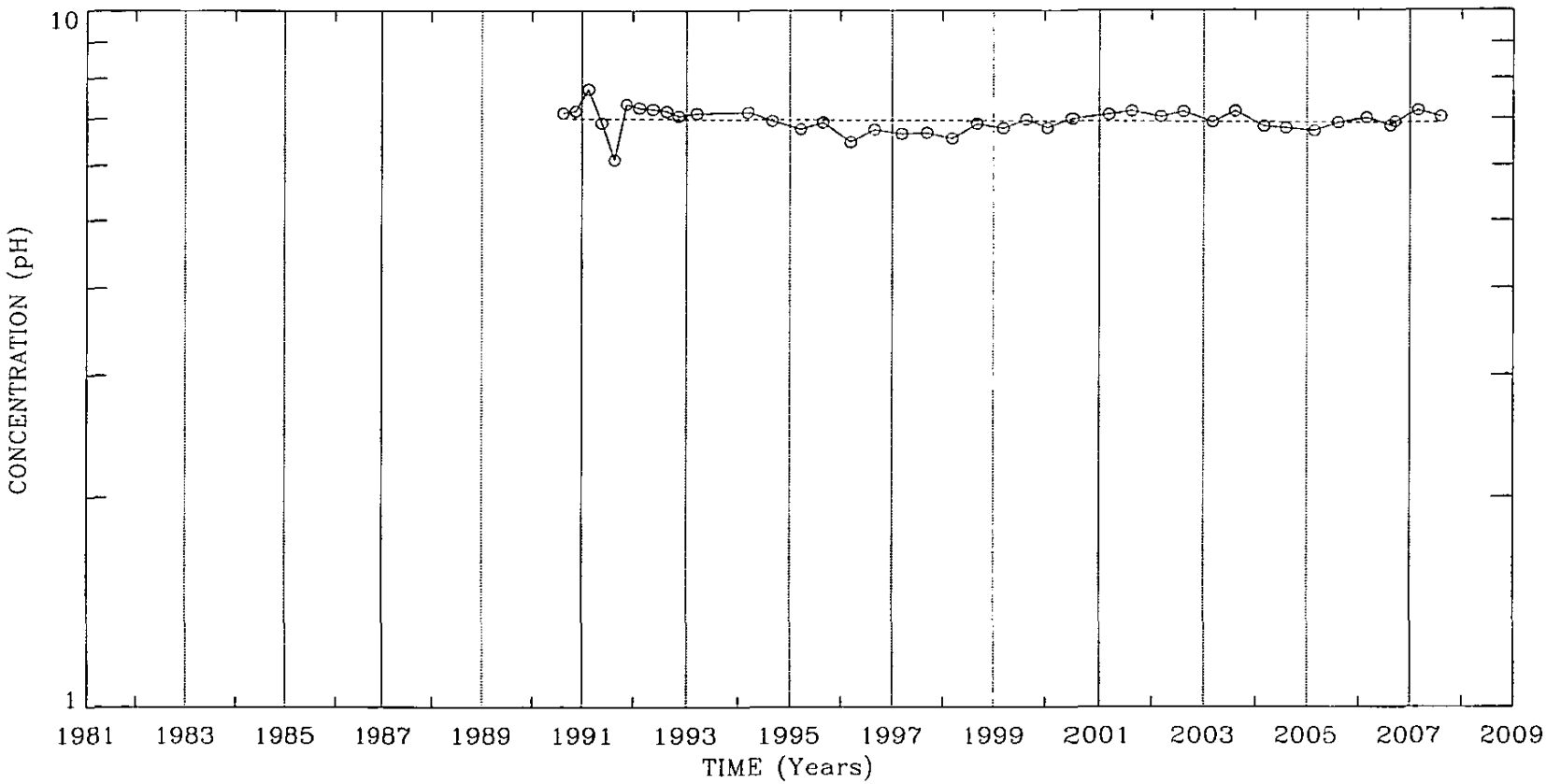

REGRESSION LINE EQUATION: $Y = 7.499E+000e^{-0.0008x}$

Well 33B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



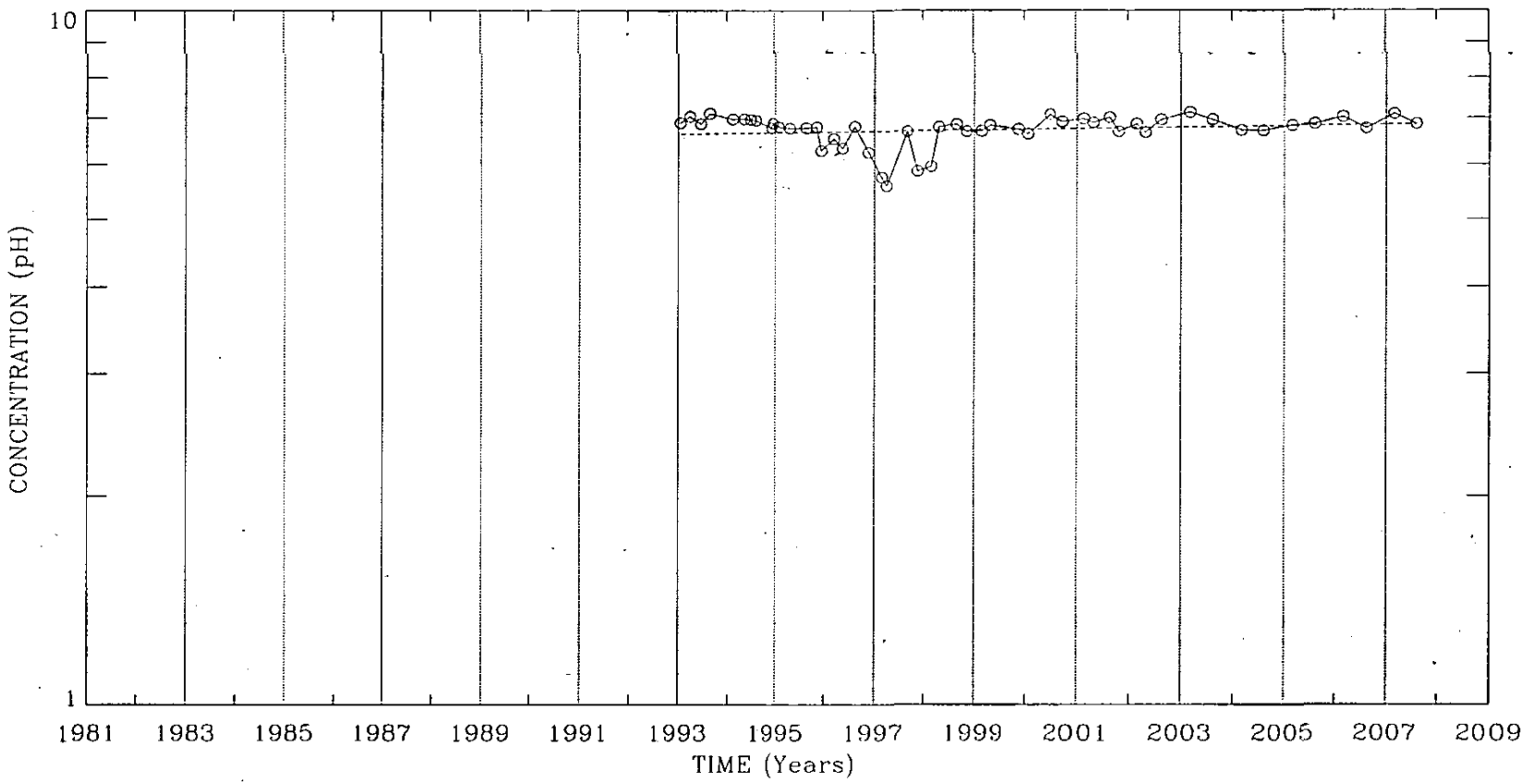

REGRESSION LINE EQUATION: $Y = 7.040E+000e^{-0.0000x}$

Well 33B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



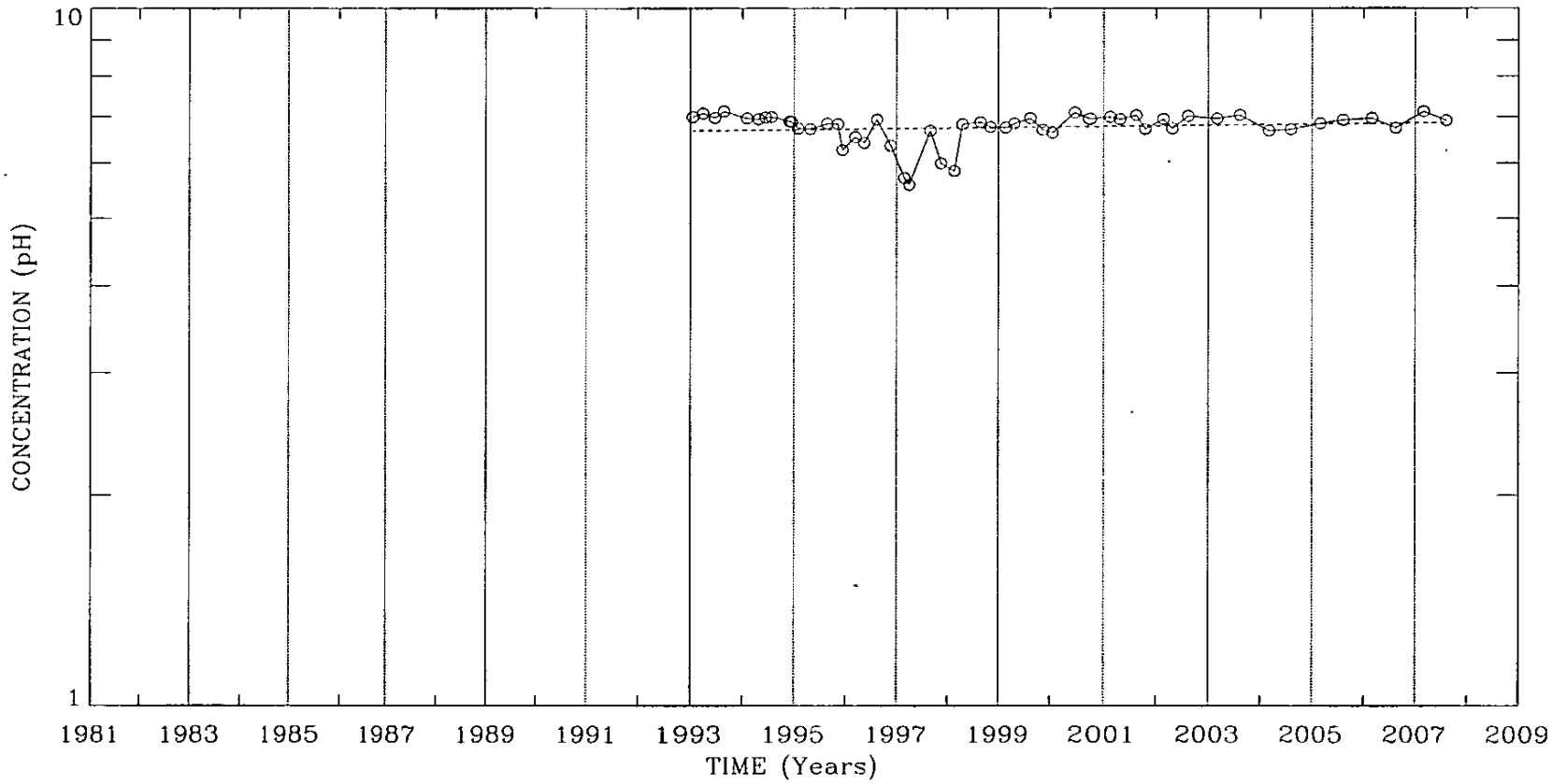

REGRESSION LINE EQUATION: $Y = 7.607E+000e^{-0.0009x}$

Well 33CL UNIT 8
PH
Clean Harbors Baton Rouge, LLC



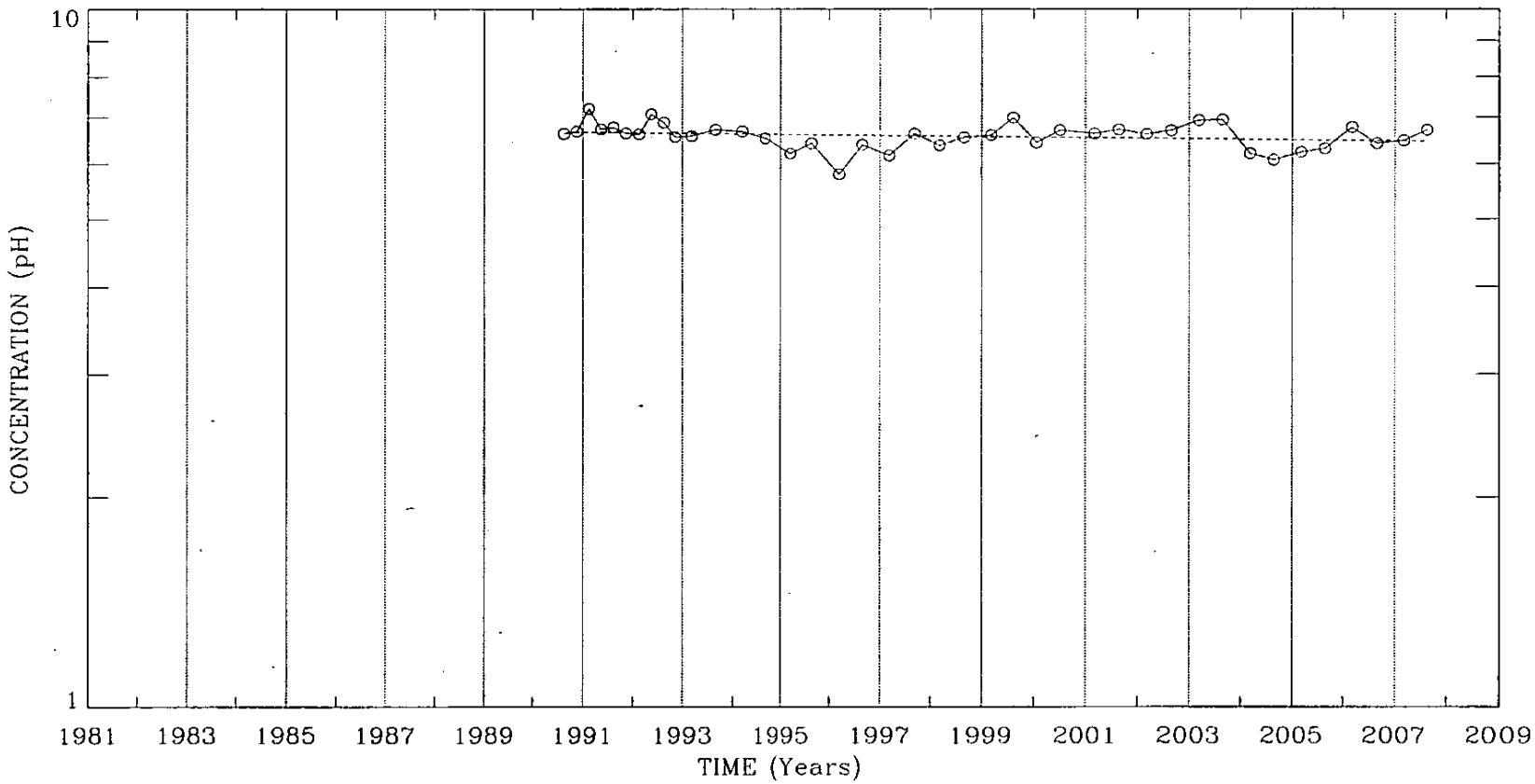

REGRESSION LINE EQUATION: $Y = 5.395E+000e^{0.0022x}$

Well 33CU UNIT 8
PH
Clean Harbors Baton Rouge, LLC



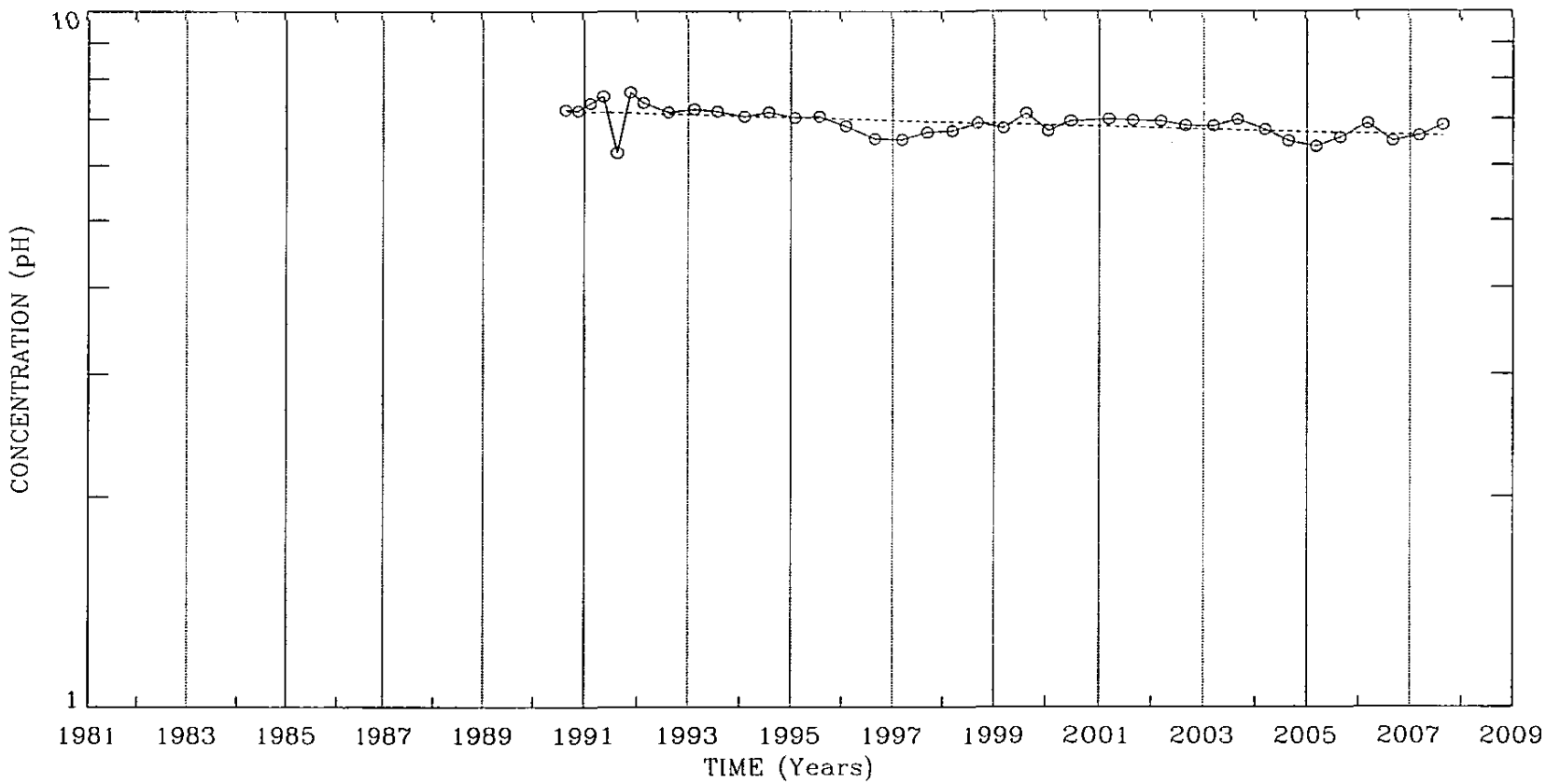

REGRESSION LINE EQUATION: $Y = 5.626E+000e^{0.0018x}$

Well 34A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



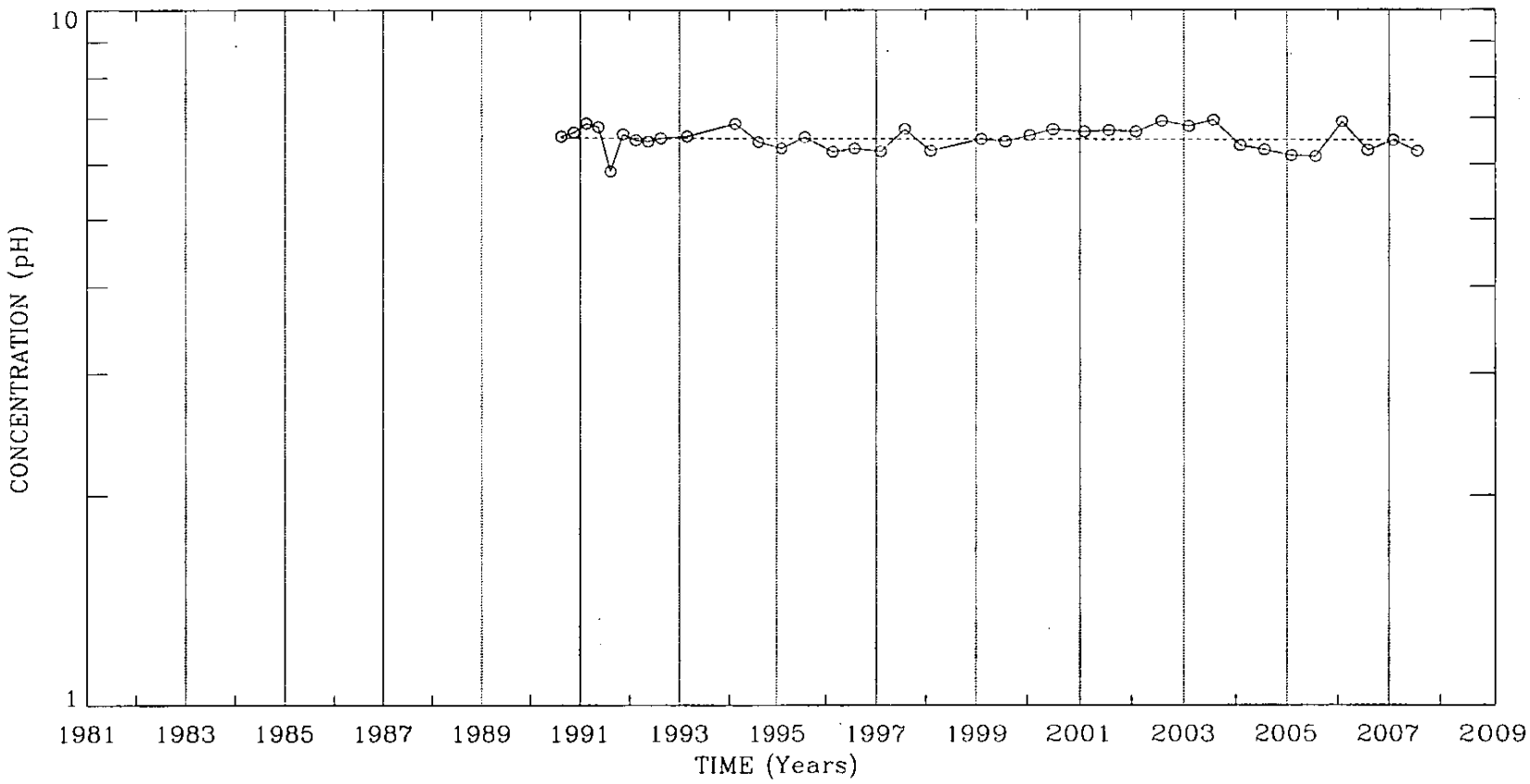

REGRESSION LINE EQUATION: $Y = 7.866E+000e^{-0.0018x}$

Well 34B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



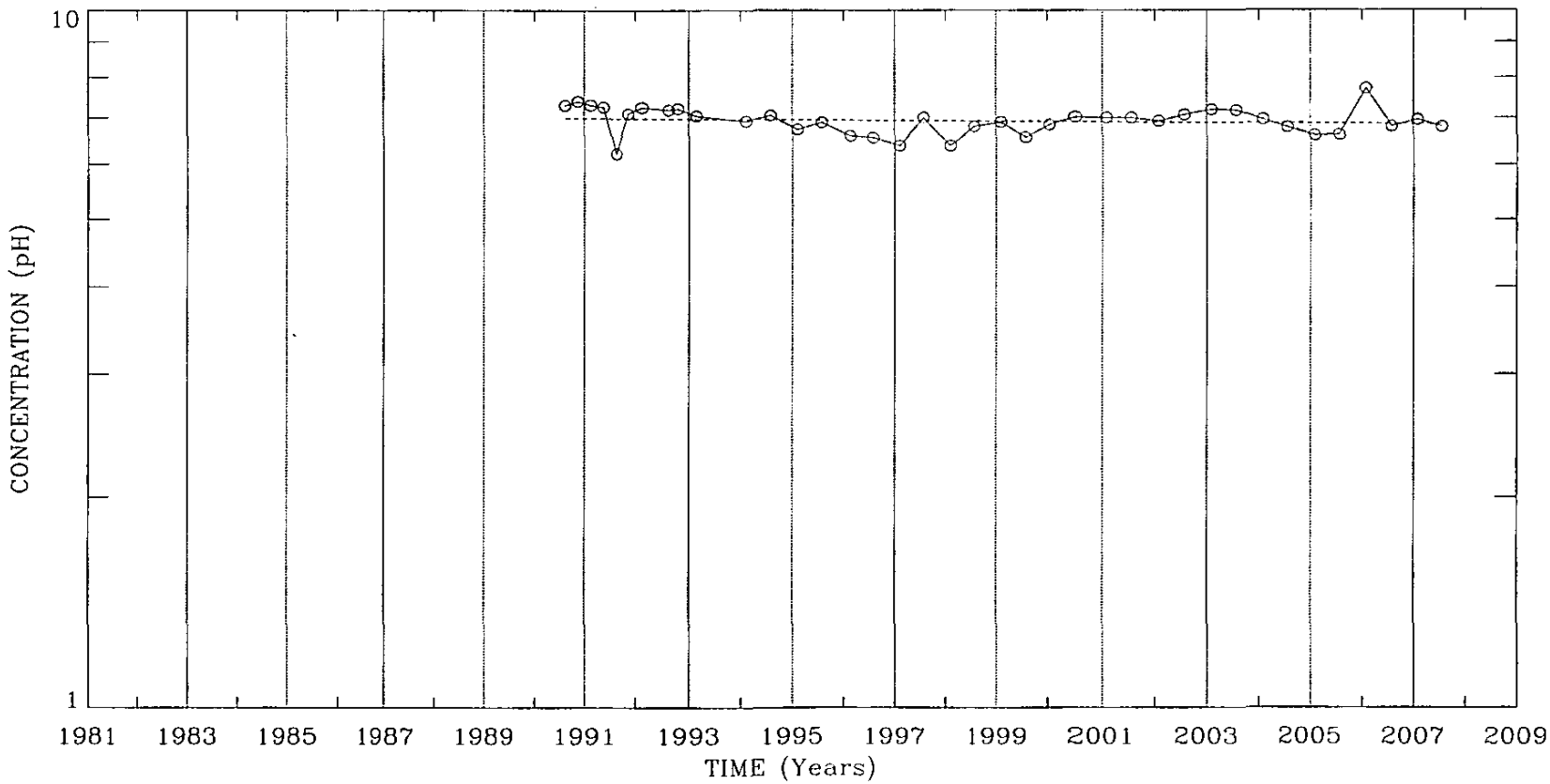

REGRESSION LINE EQUATION: $Y = 1.121E+001e^{-0.0049x}$

Well 35A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



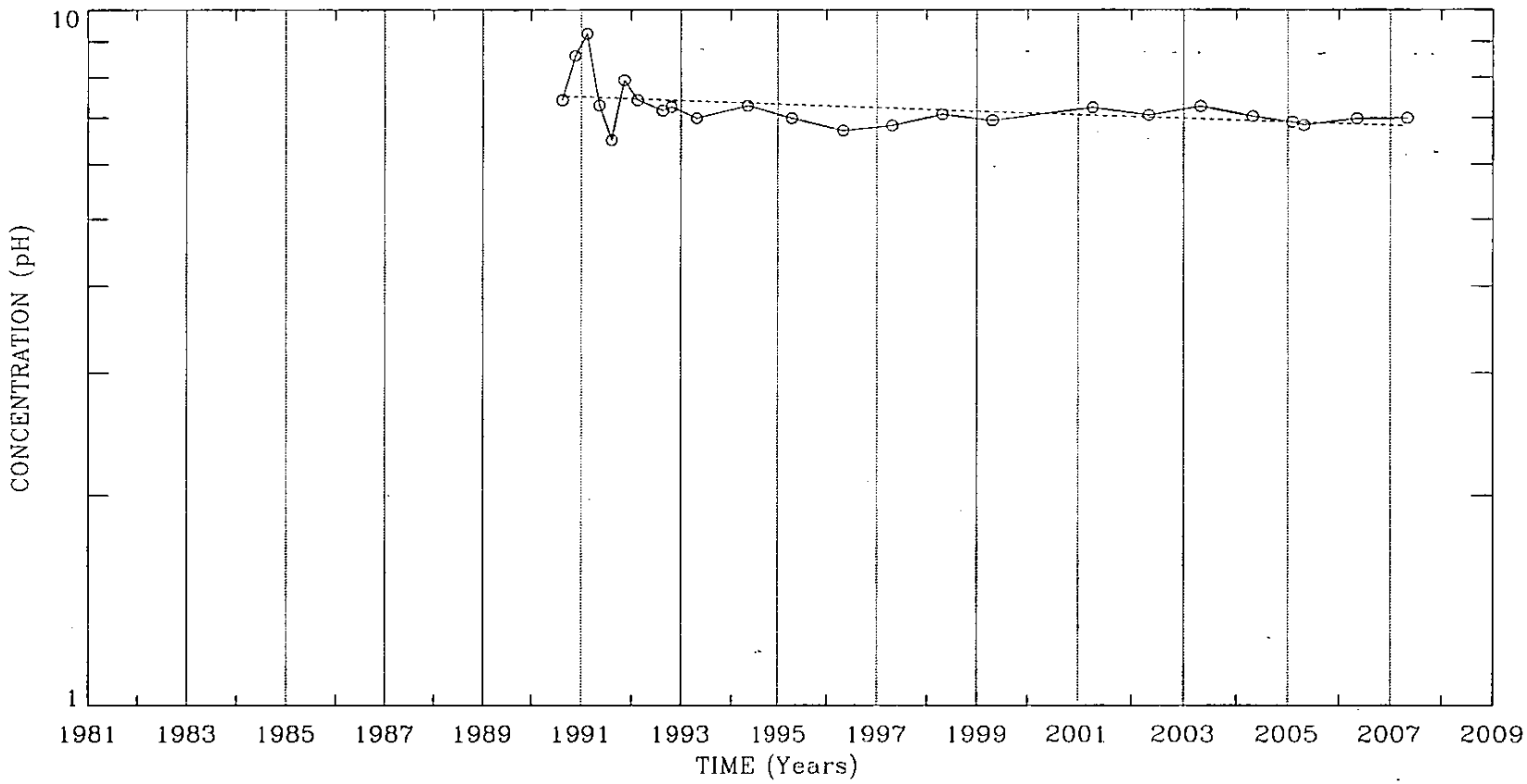

REGRESSION LINE EQUATION: $Y = 6.858E+000e^{-0.0005x}$

Well 35B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



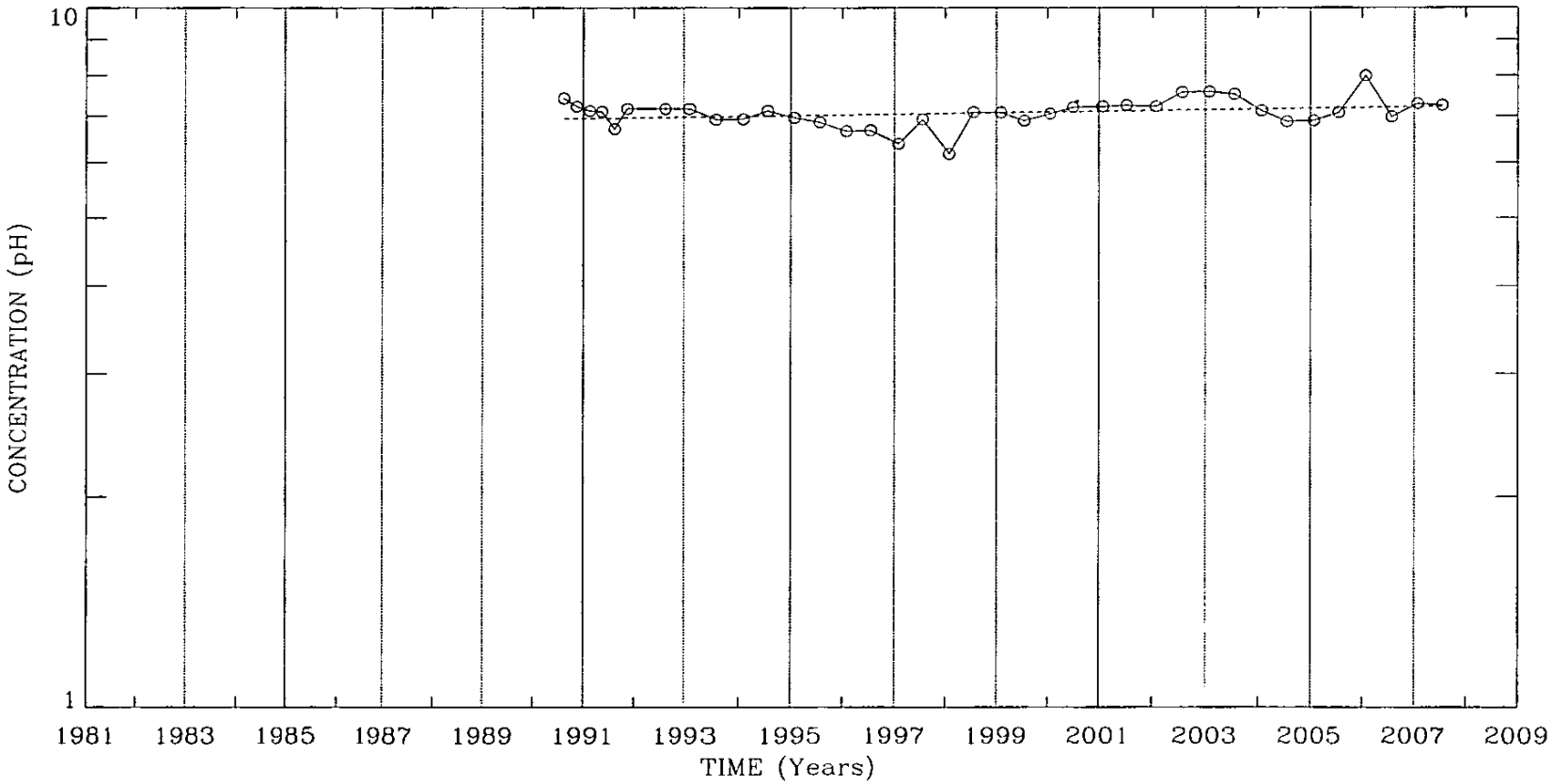

REGRESSION LINE EQUATION: $Y = 7.753E+000e^{-0.0011x}$

Well 35B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



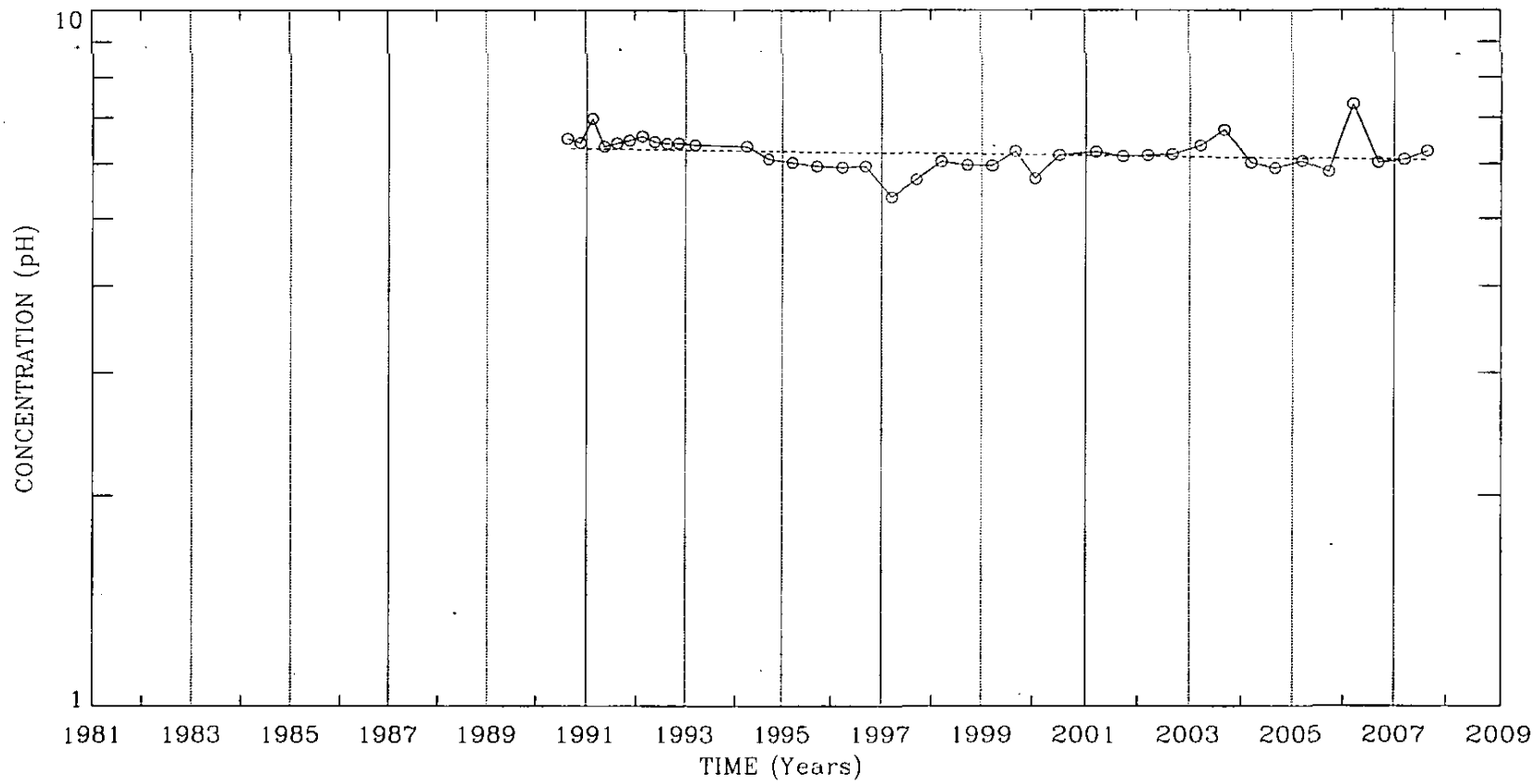

REGRESSION LINE EQUATION: $Y = 1.279E+001e^{-0.0059x}$

Well 36B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



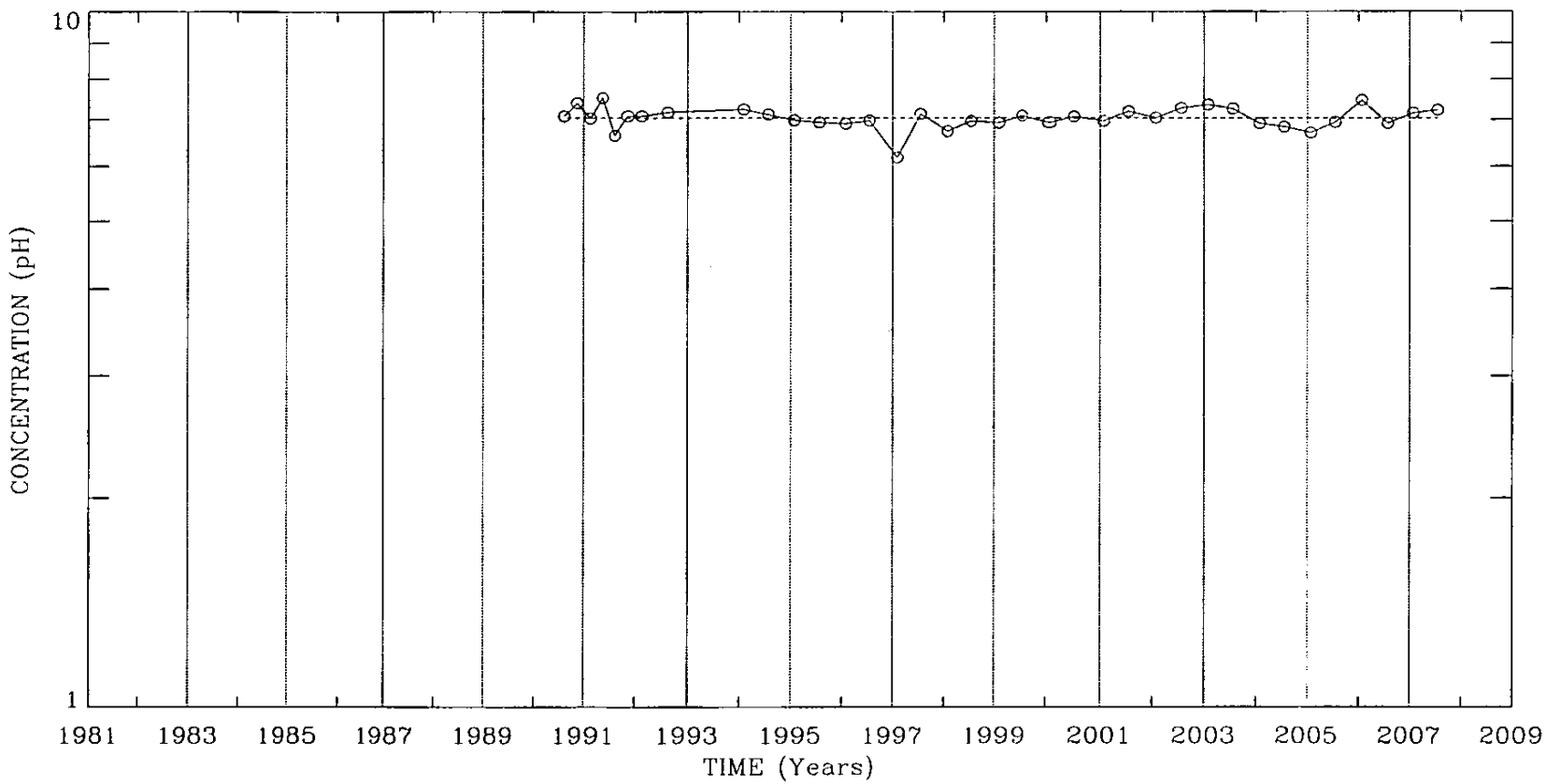

REGRESSION LINE EQUATION: $Y = 5.587E+000e^{0.0024x}$

Well 37A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



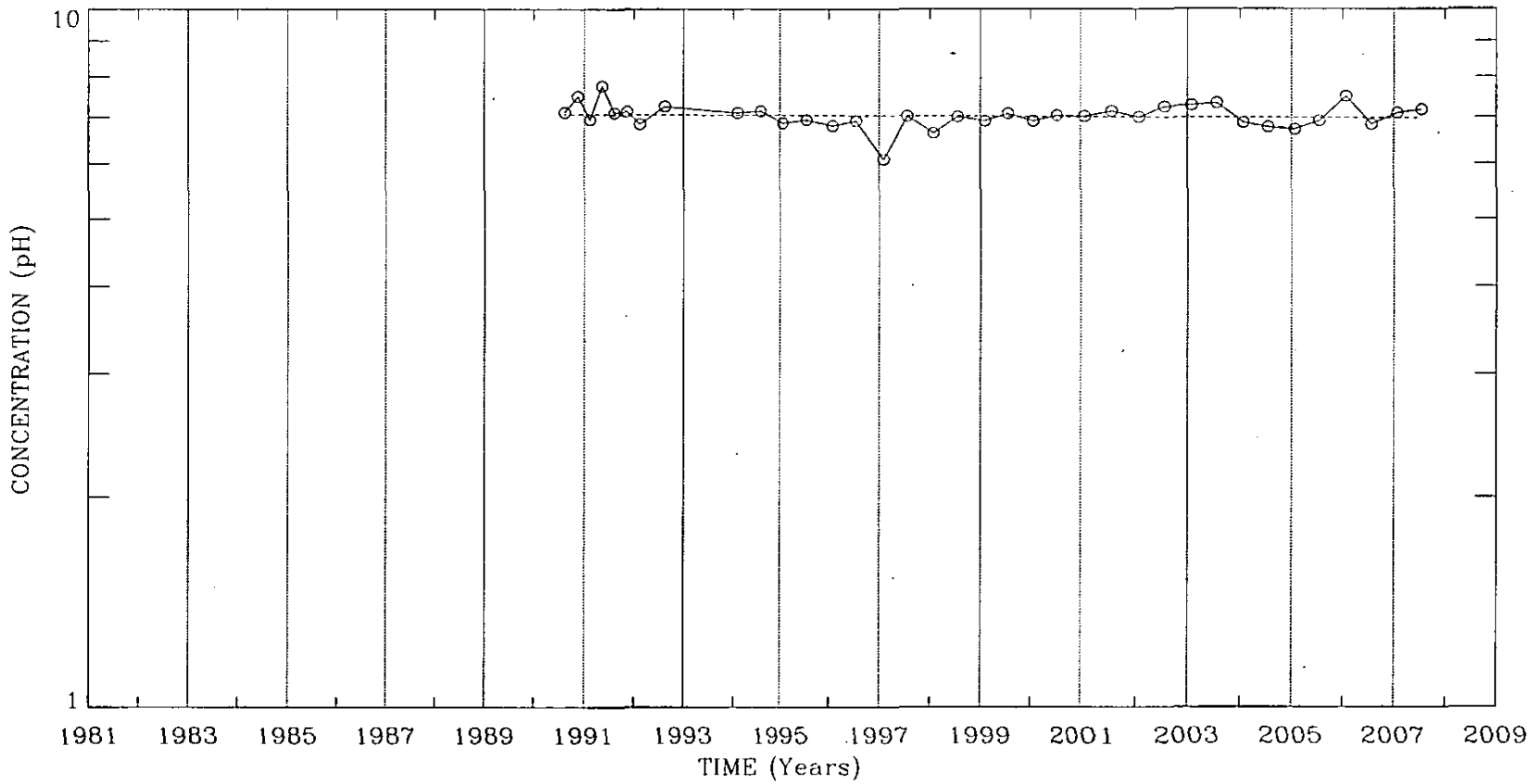

REGRESSION LINE EQUATION: $Y = 7.799E+000e^{-0.0023x}$

Well 37B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



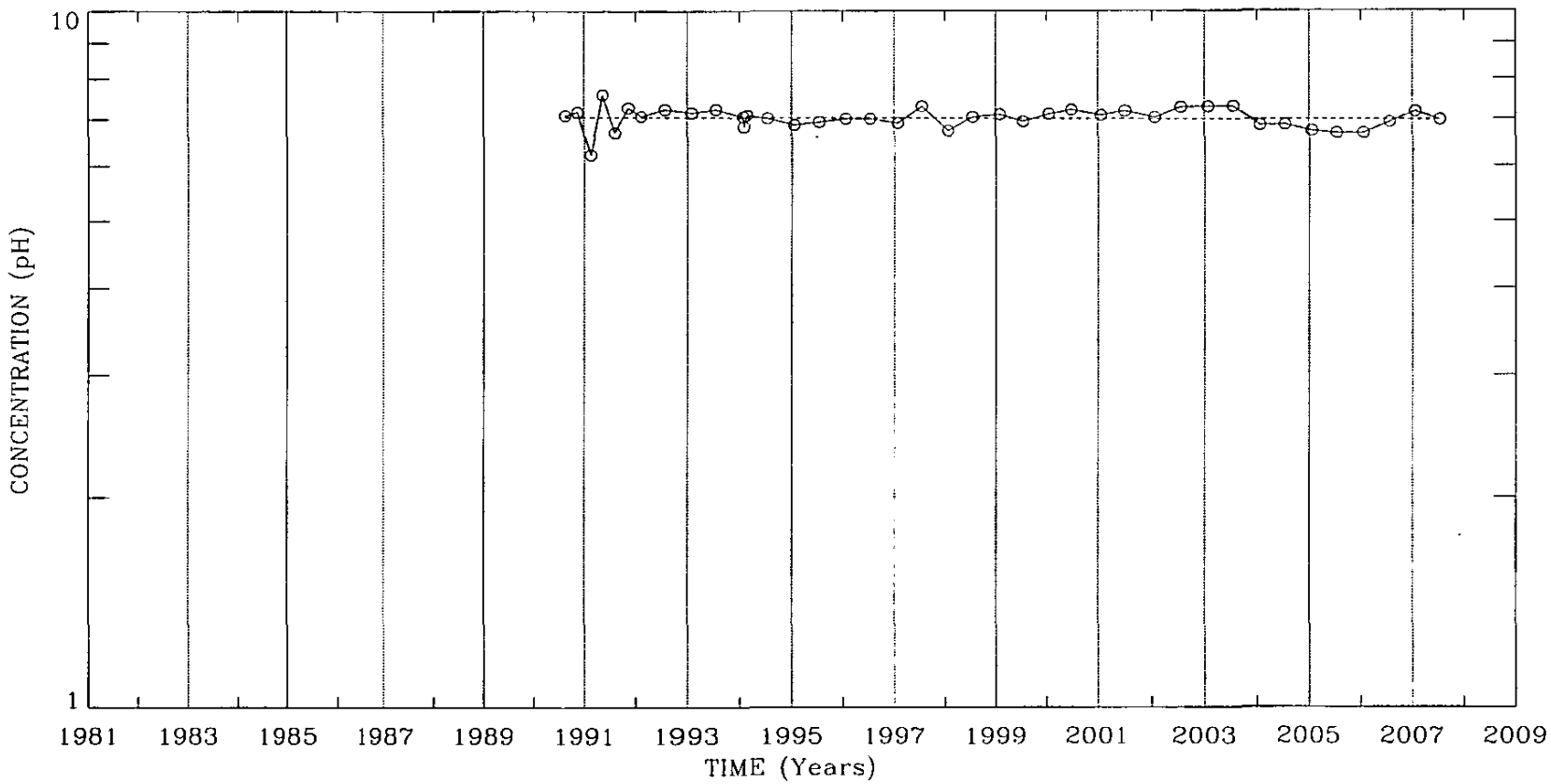

REGRESSION LINE EQUATION: $Y = 7.078E+000e^{-0.0001x}$

Well 37B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



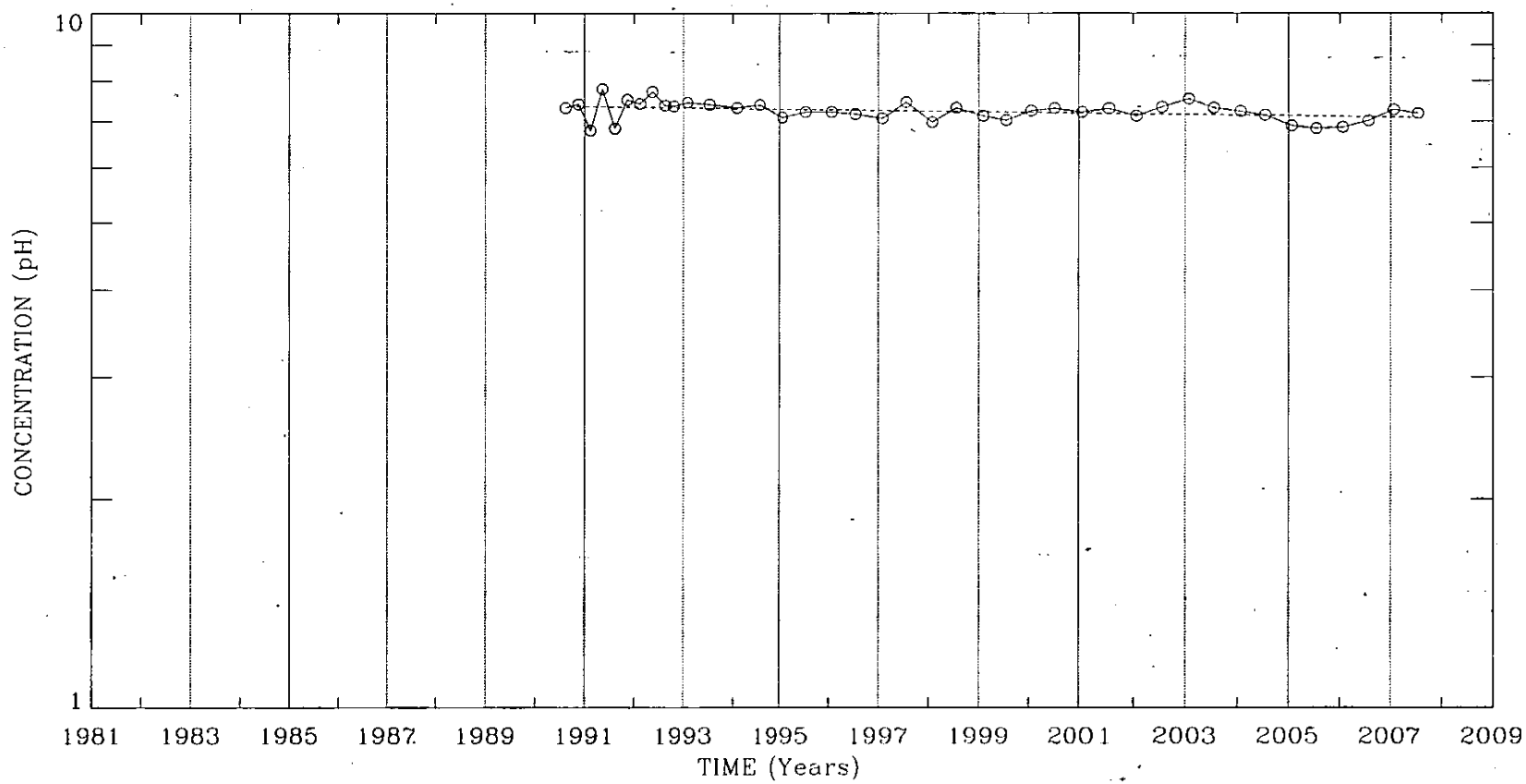

REGRESSION LINE EQUATION: $Y = 7.577E+000e^{-0.0008x}$

Well 38A UNIT 4
PH
Clean Harbors Baton Rouge, LLC



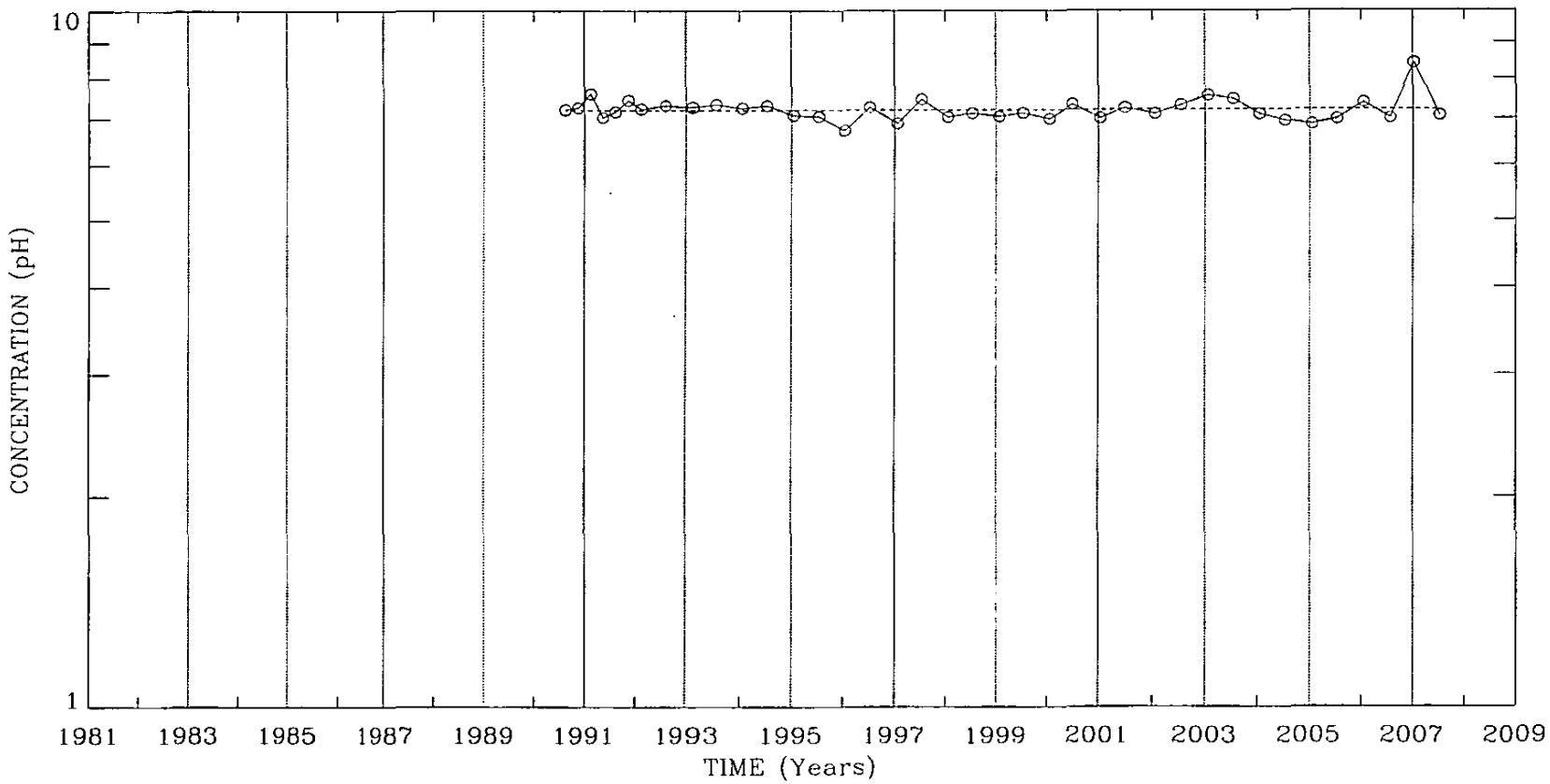

REGRESSION LINE EQUATION: $Y = 7.448E+000e^{-0.0006x}$

Well 38B-1 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



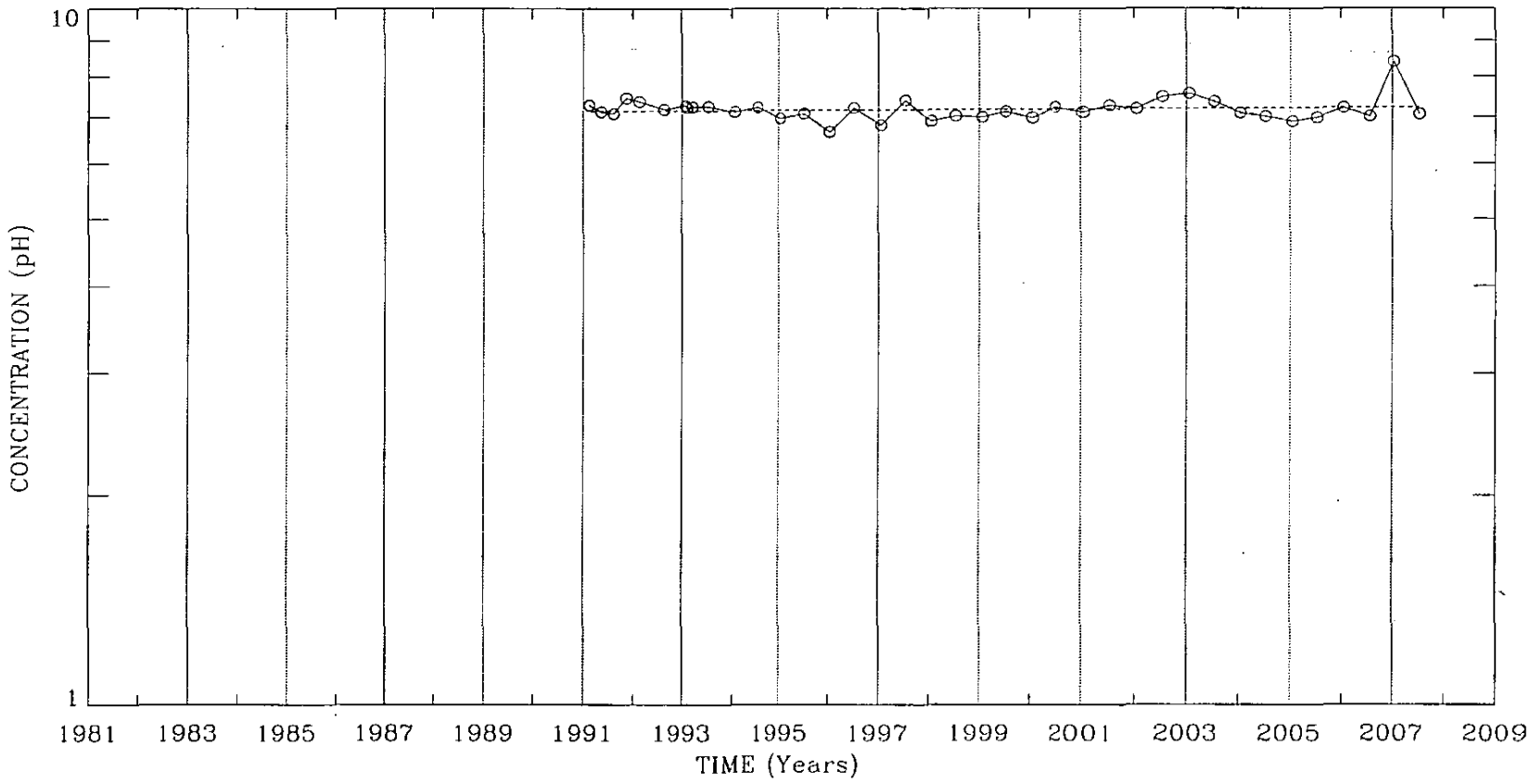

REGRESSION LINE EQUATION: $Y = 8.932E+000e^{-0.0022x}$

Well 39A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



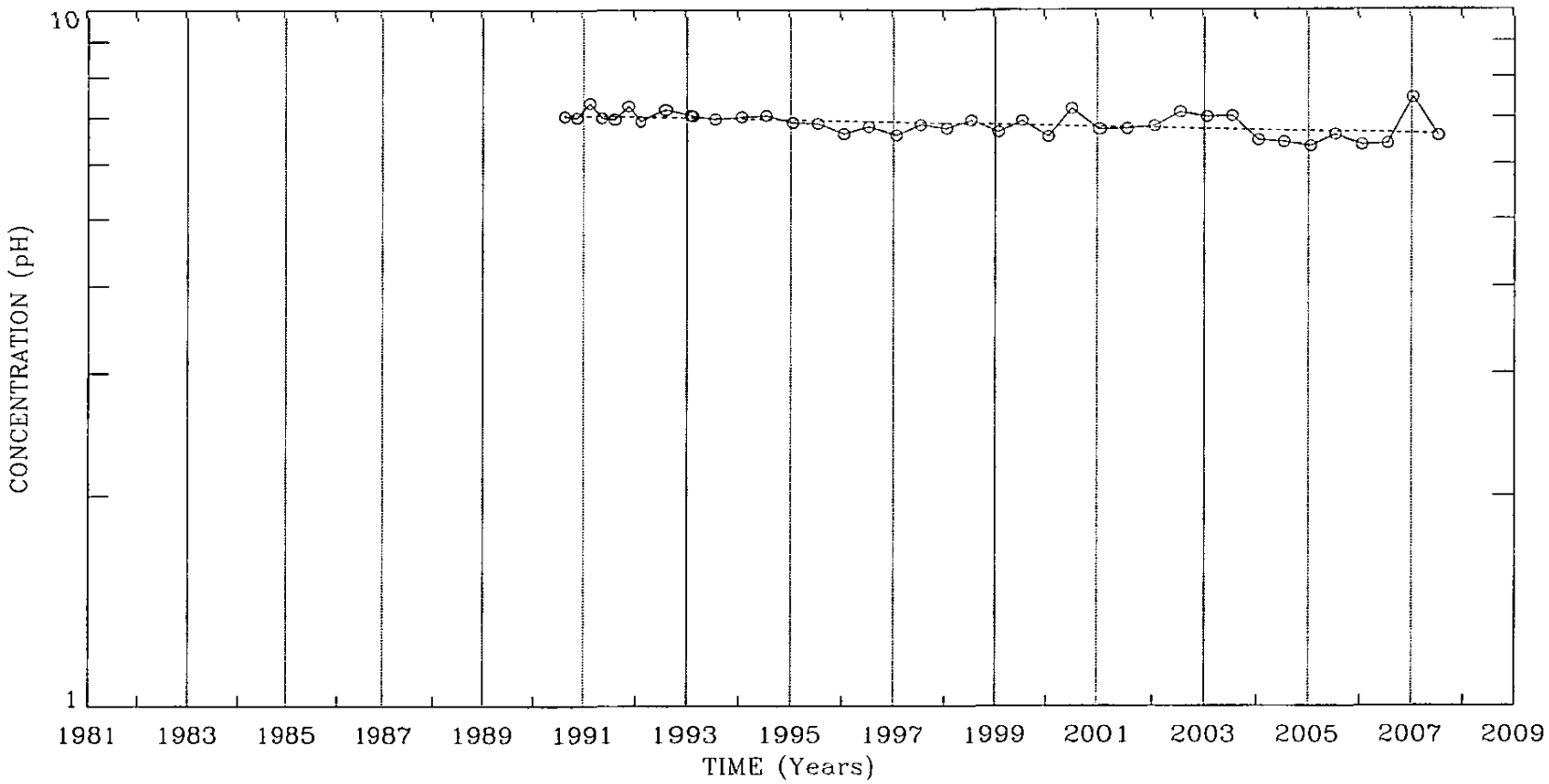

REGRESSION LINE EQUATION: $Y = 7.105E+000e^{0.0001x}$

Well 39B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



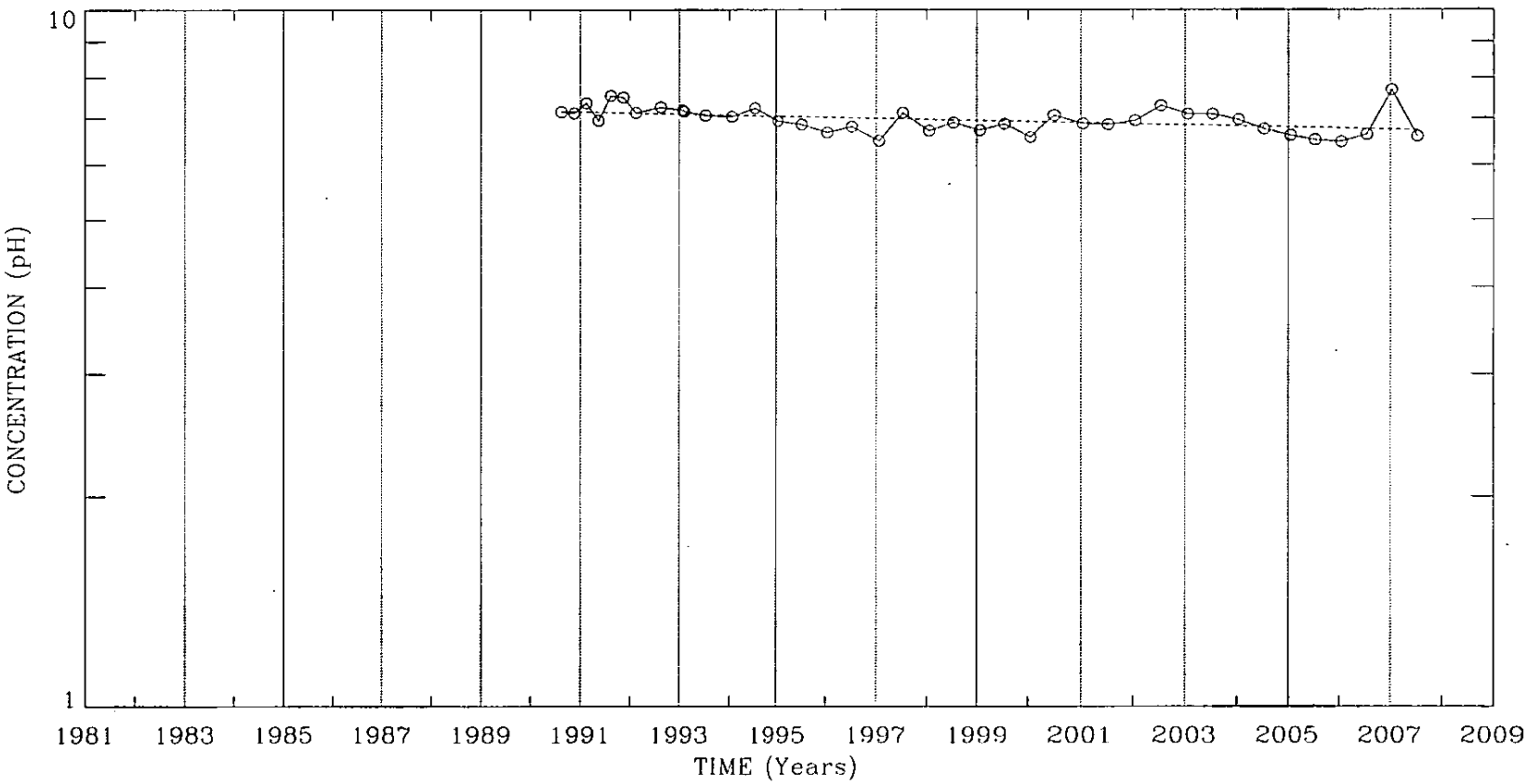

REGRESSION LINE EQUATION: $Y = 6.632E+000e^{0.0008x}$

Well 40A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



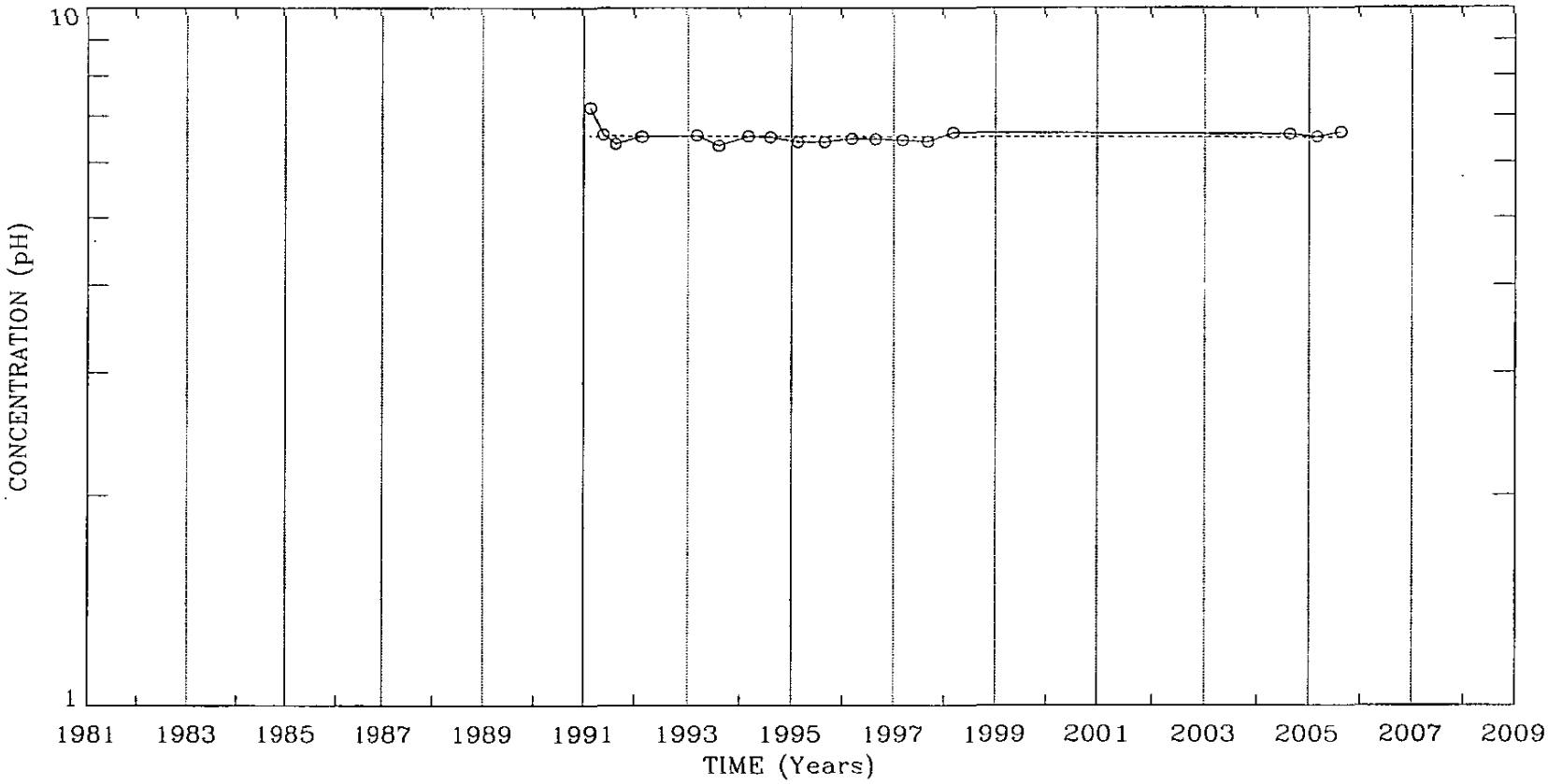

REGRESSION LINE EQUATION: $Y = 9.966E+000e^{-0.0038x}$

Well 40B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



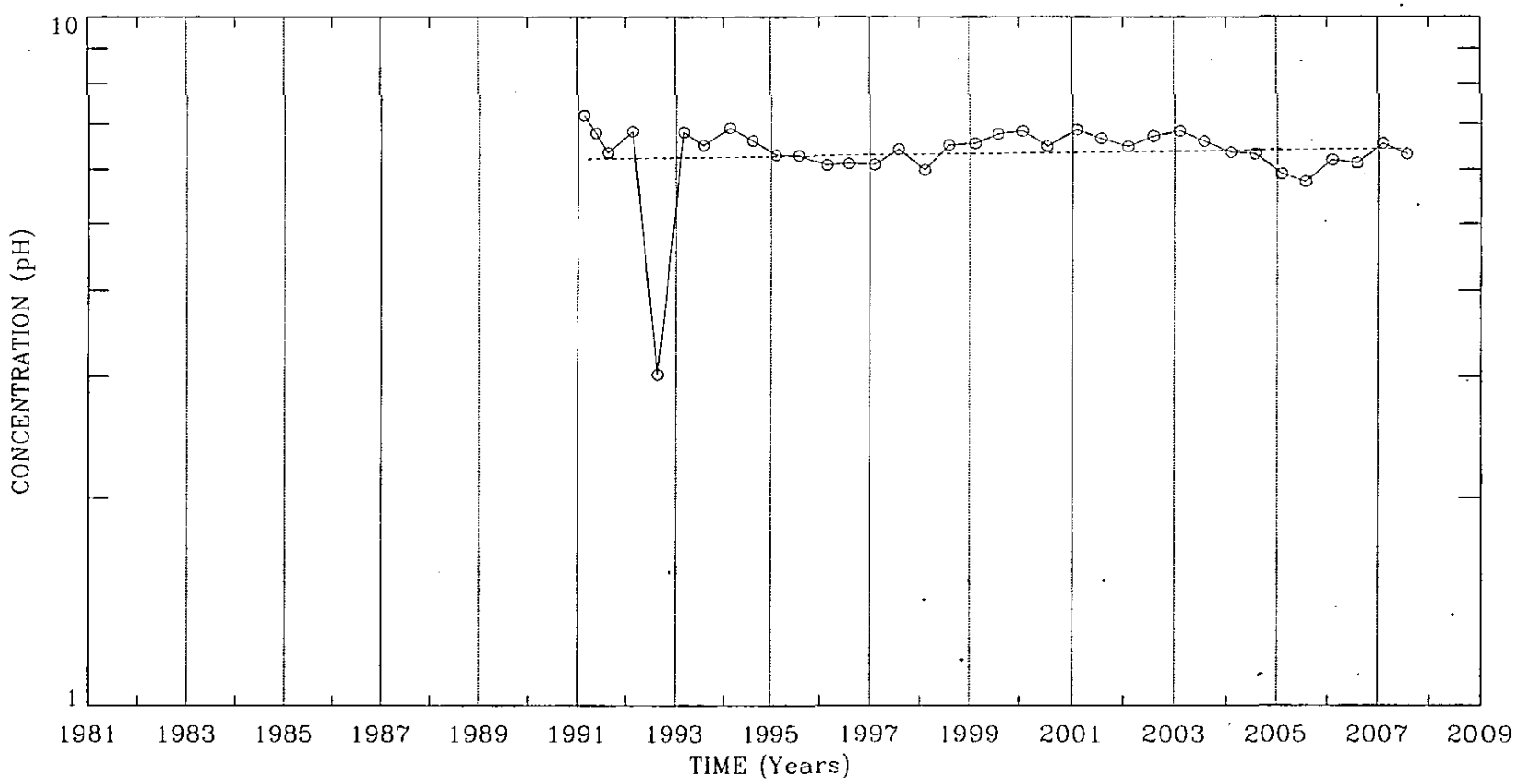

REGRESSION LINE EQUATION: $Y = 9.883E+000e^{-0.0036x}$

Well 41A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



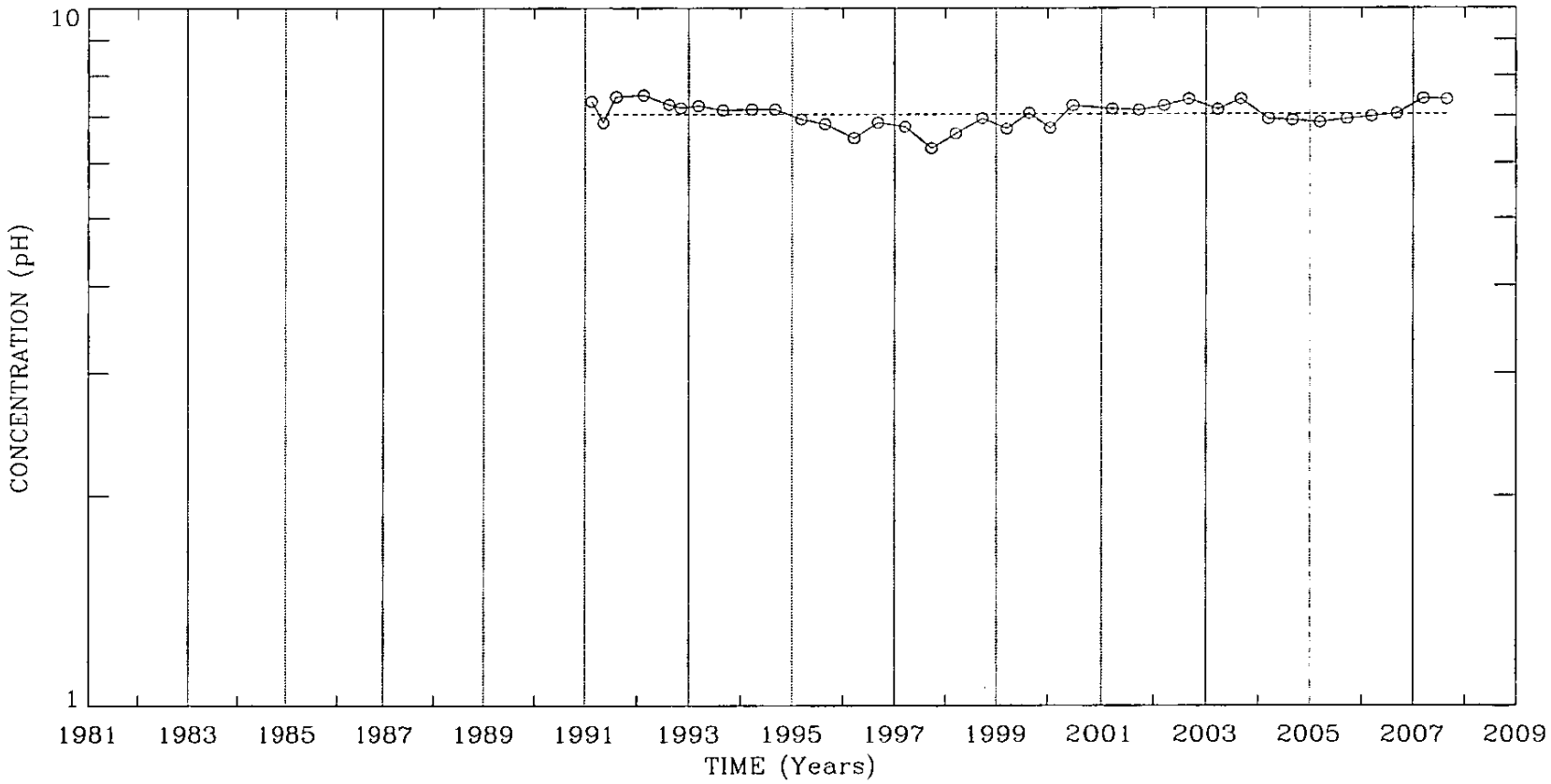

REGRESSION LINE EQUATION: $Y = 6.825E+000e^{-0.0004x}$

Well 42A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



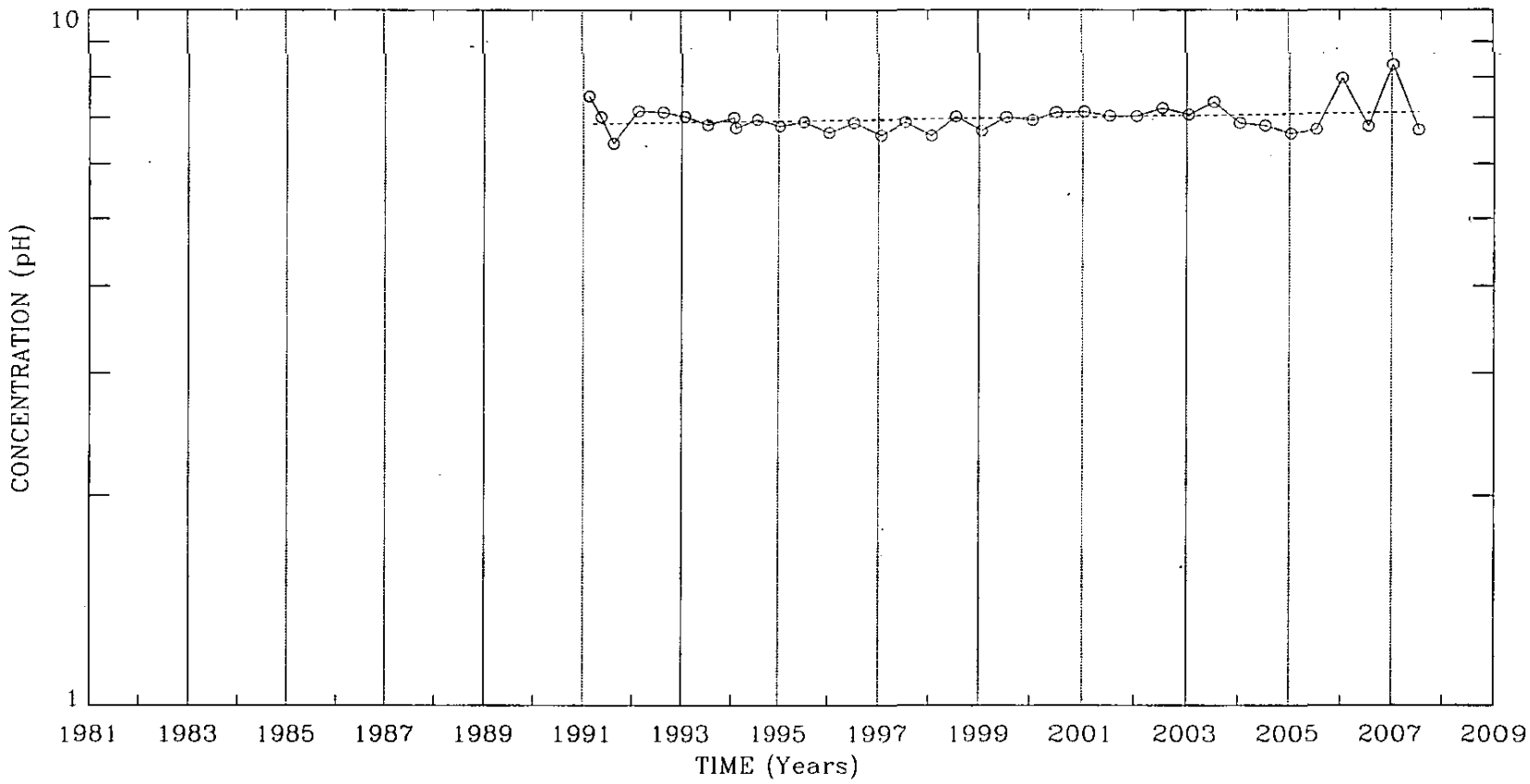

REGRESSION LINE EQUATION: $Y = 5.110E+000e^{0.0022x}$

Well 42B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



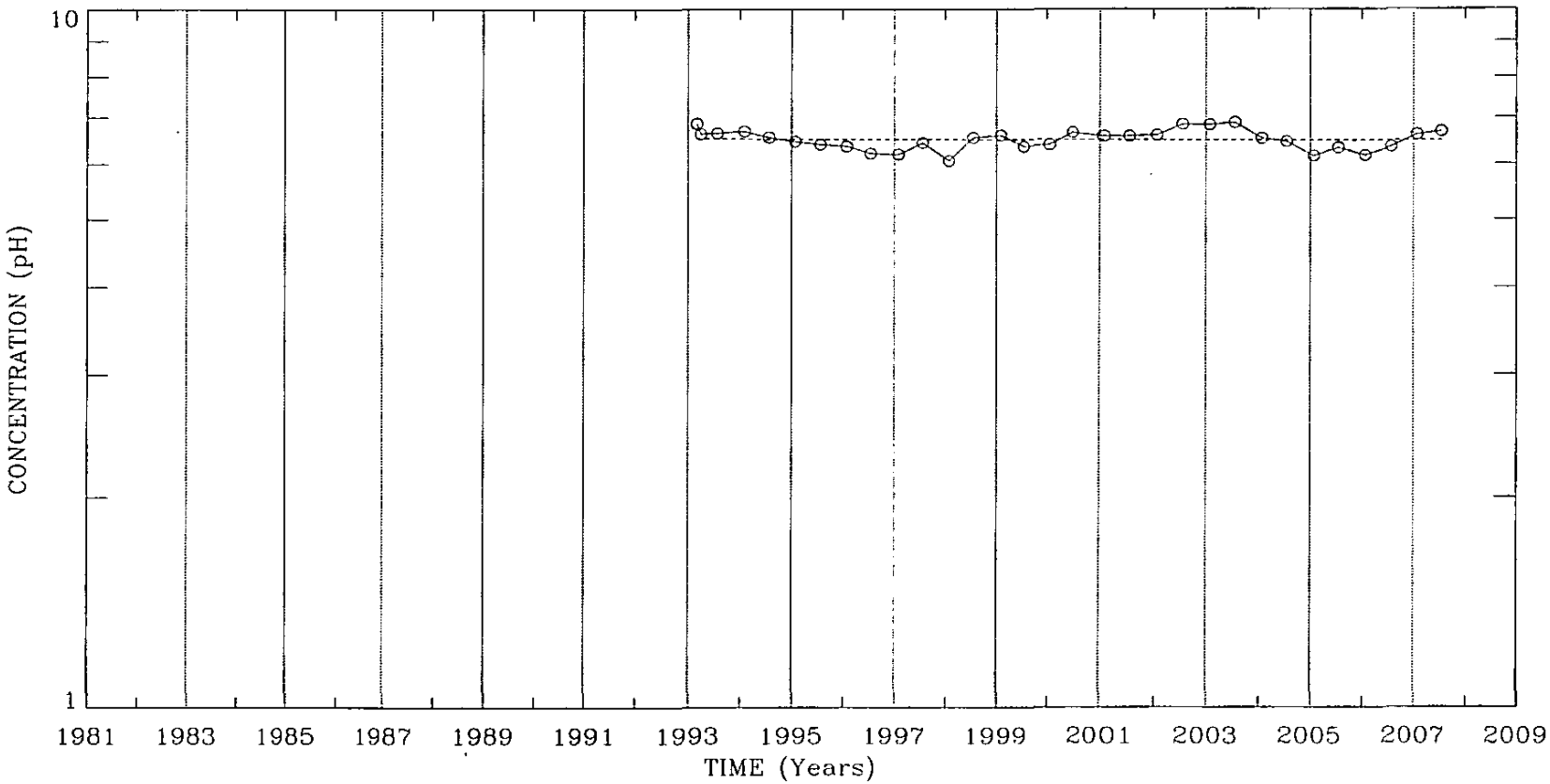

REGRESSION LINE EQUATION: $Y = 7.000E+000e^{0.0001x}$

Well 43A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



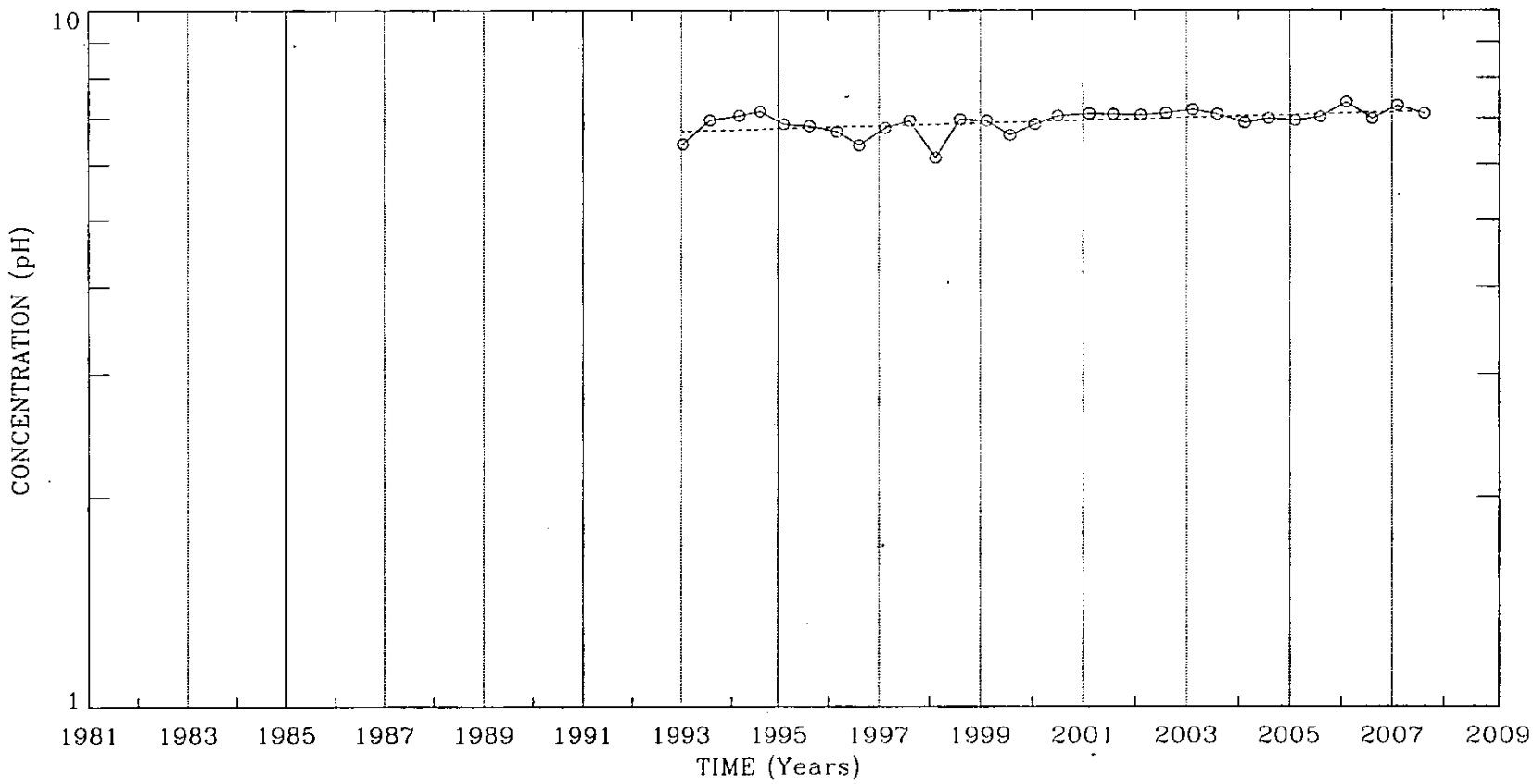

REGRESSION LINE EQUATION: $Y = 5.542E+000e^{0.0023x}$

Well 46B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



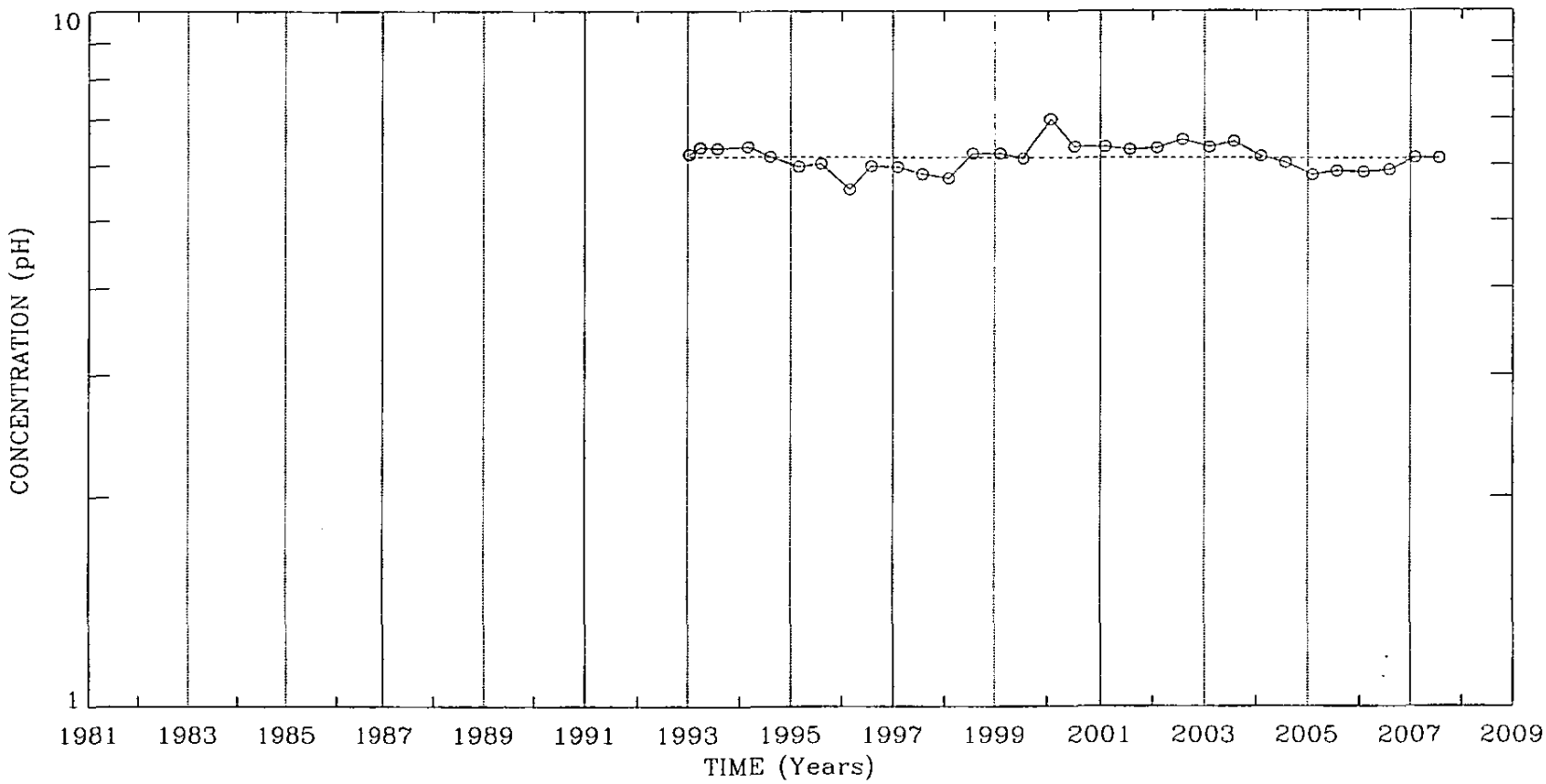

REGRESSION LINE EQUATION: $Y = 6.824E+000e^{-0.0005x}$

Well 47B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



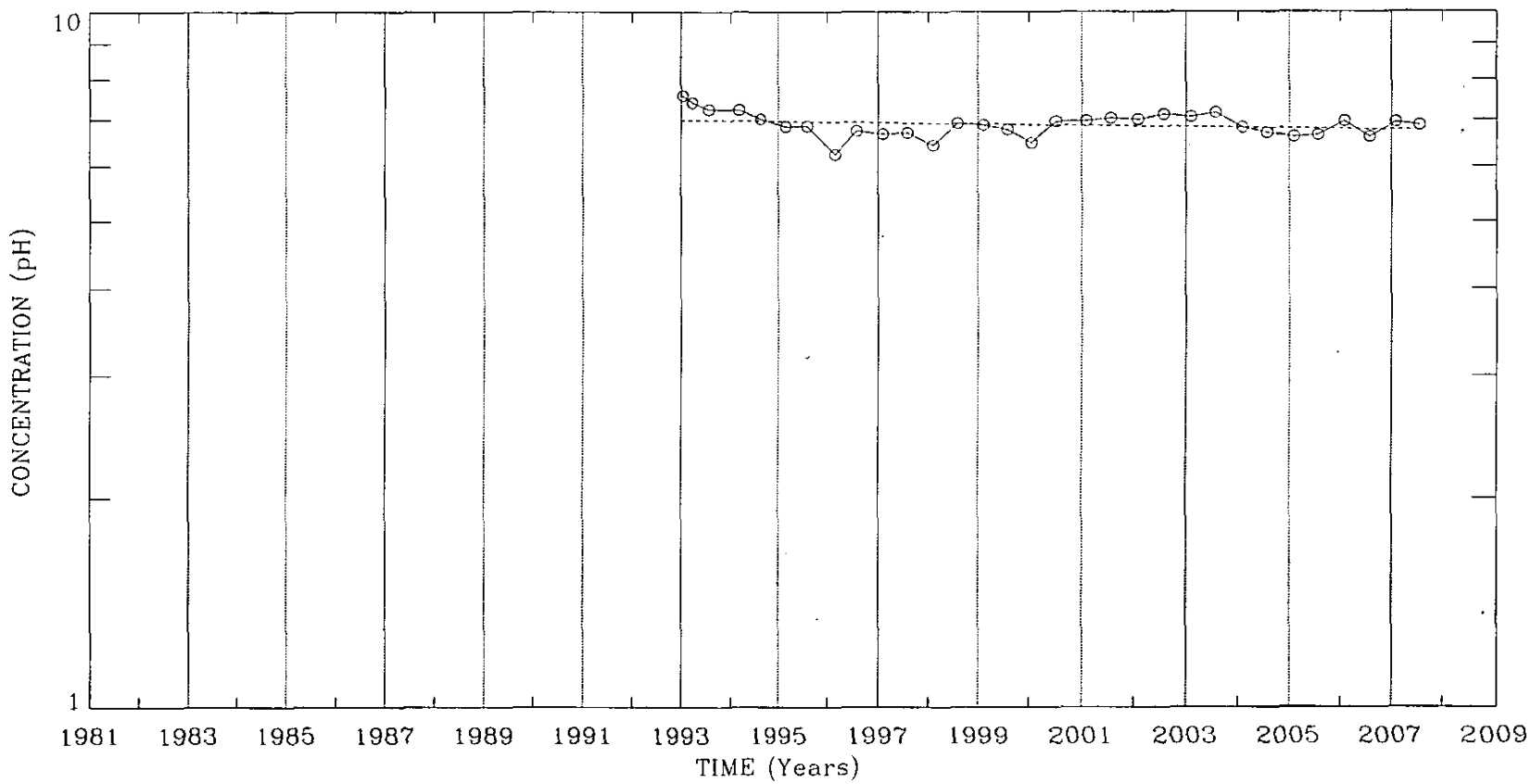

REGRESSION LINE EQUATION: $Y = 4.379E+000e^{0.0046x}$

Well 48A UNIT 3
PH
Clean Harbors Baton Rouge, LLC



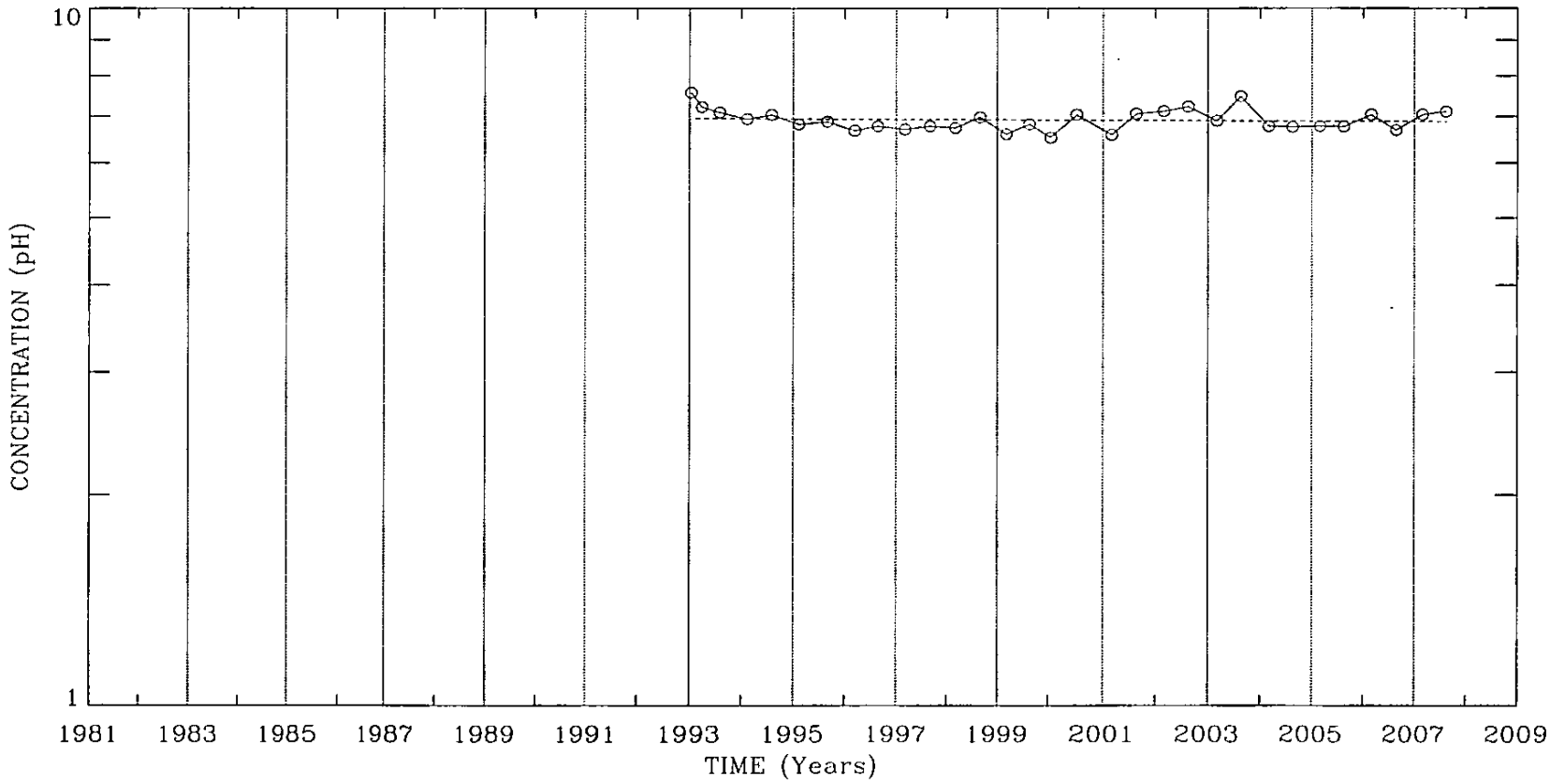

REGRESSION LINE EQUATION: $Y = 6.514E+000e^{-0.0006x}$

Well 49B-2 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



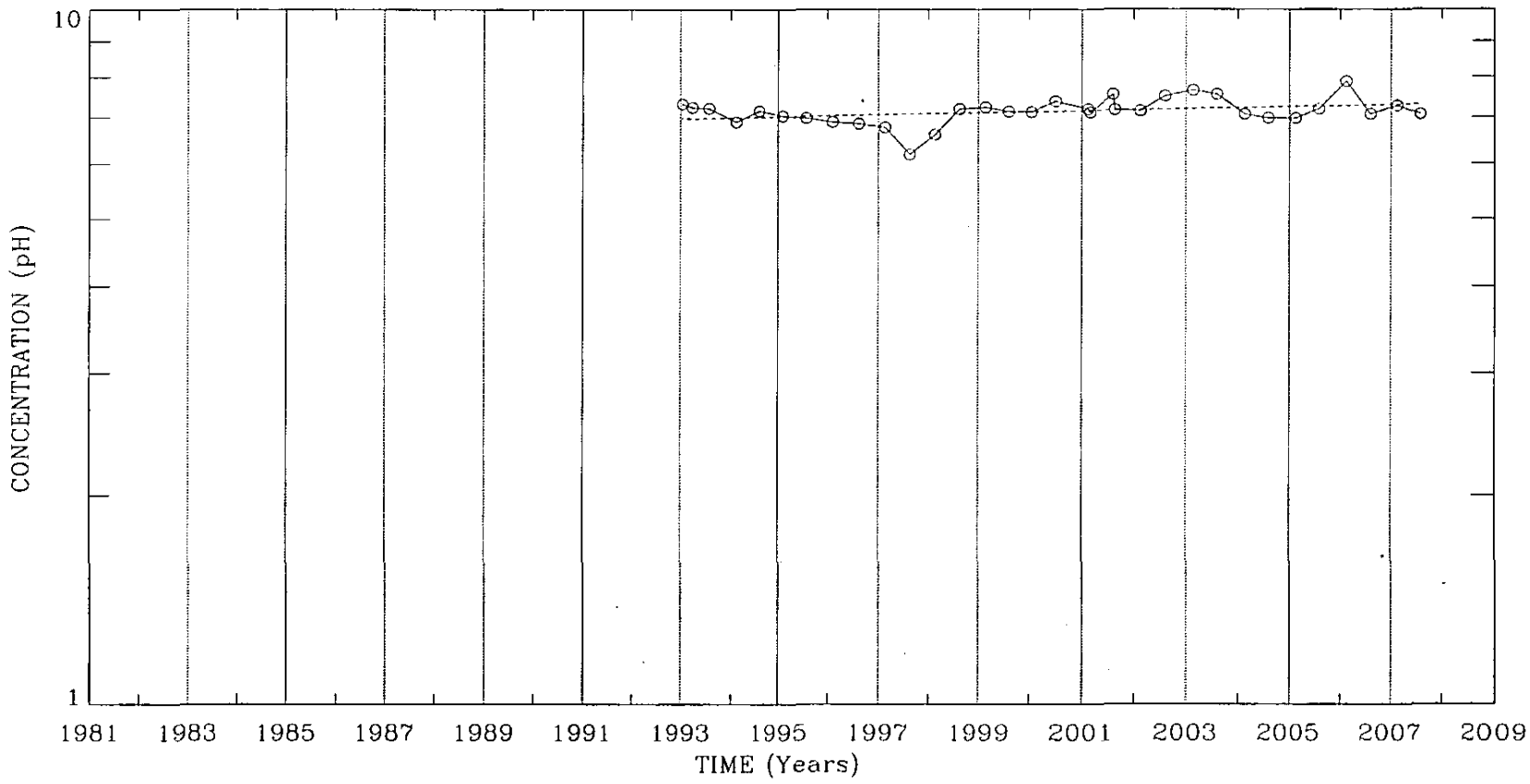

REGRESSION LINE EQUATION: $Y = 8.680E+000e^{-0.0023x}$

Well 50B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



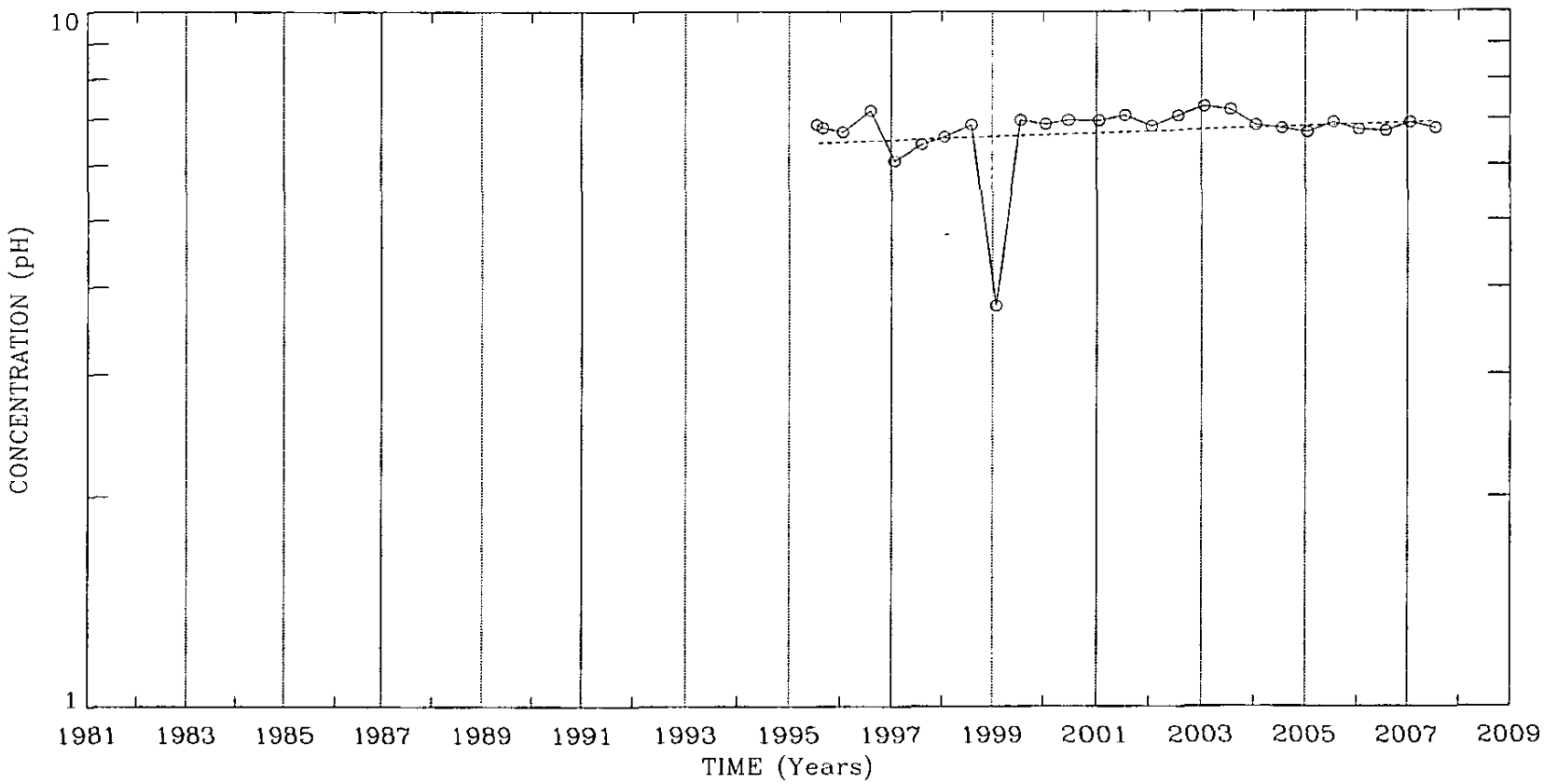

REGRESSION LINE EQUATION: $Y = 7.434E+000e^{-0.0007x}$

Well 51B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



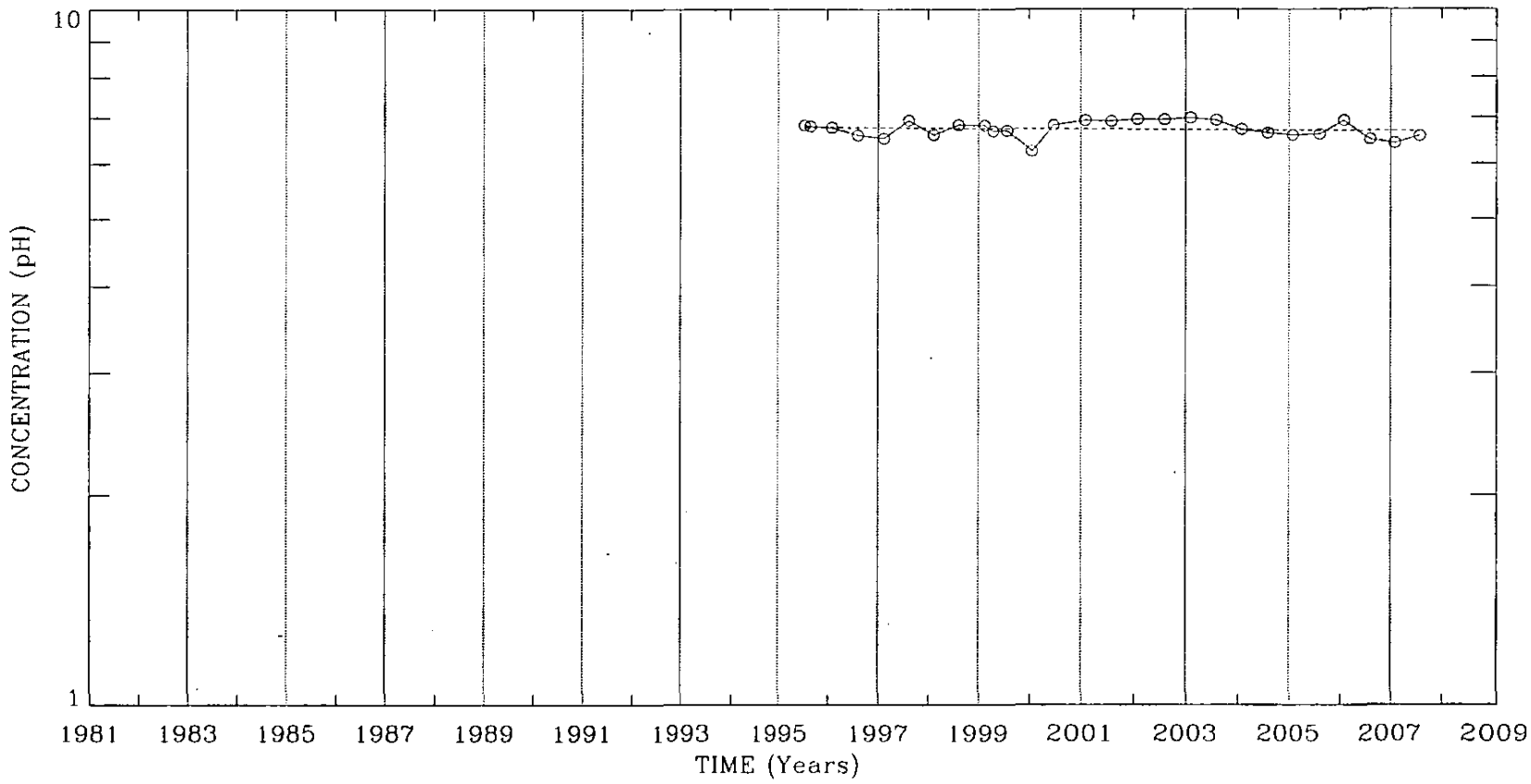

REGRESSION LINE EQUATION: $Y = 5.147E+000e^{0.0033x}$

Well 52C UNIT 8
PH
Clean Harbors Baton Rouge, LLC



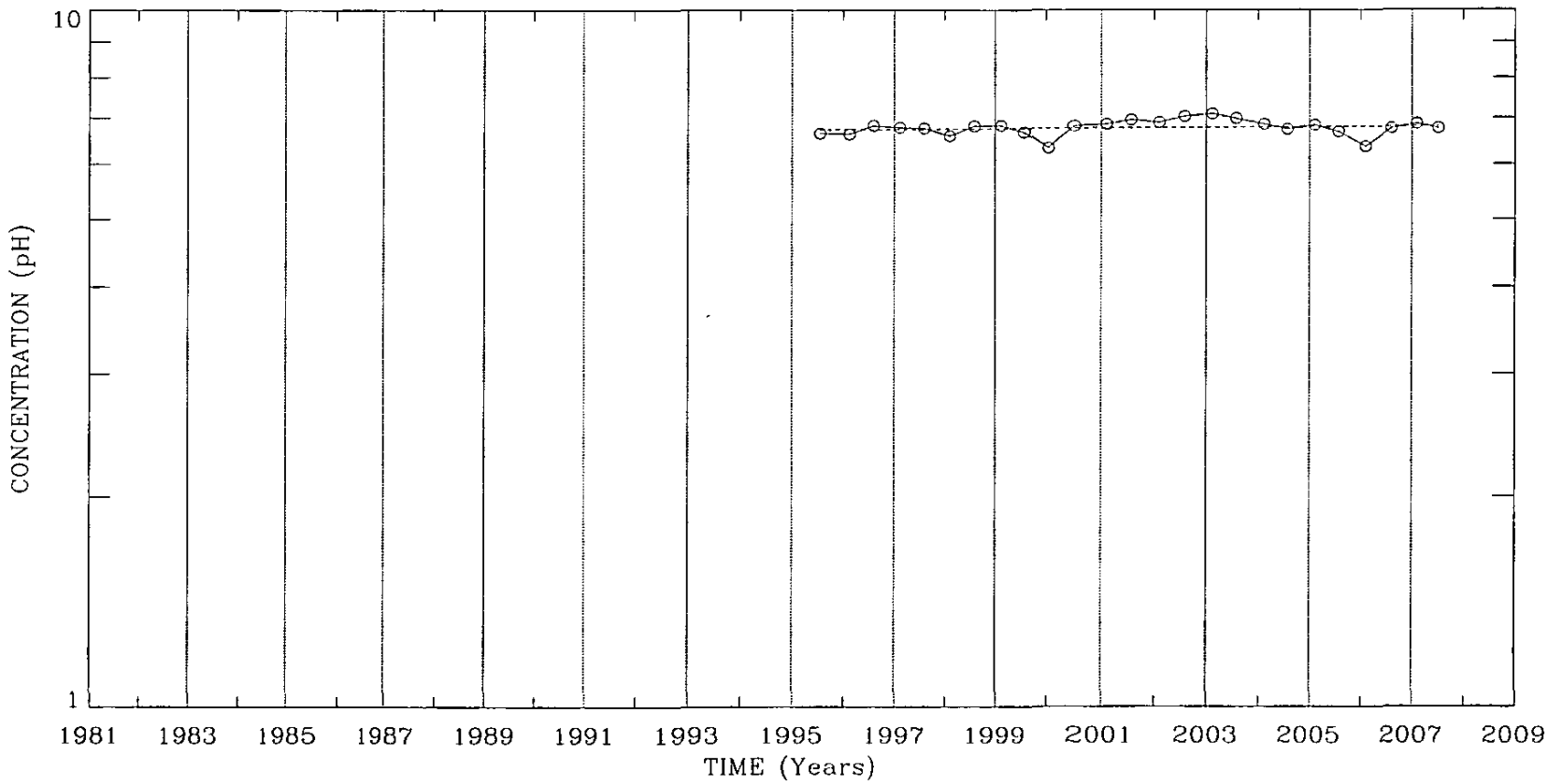

REGRESSION LINE EQUATION: $Y = 3.733E+000e^{0.0058x}$

Well 53C UNIT 8
PH
Clean Harbors Baton Rouge, LLC



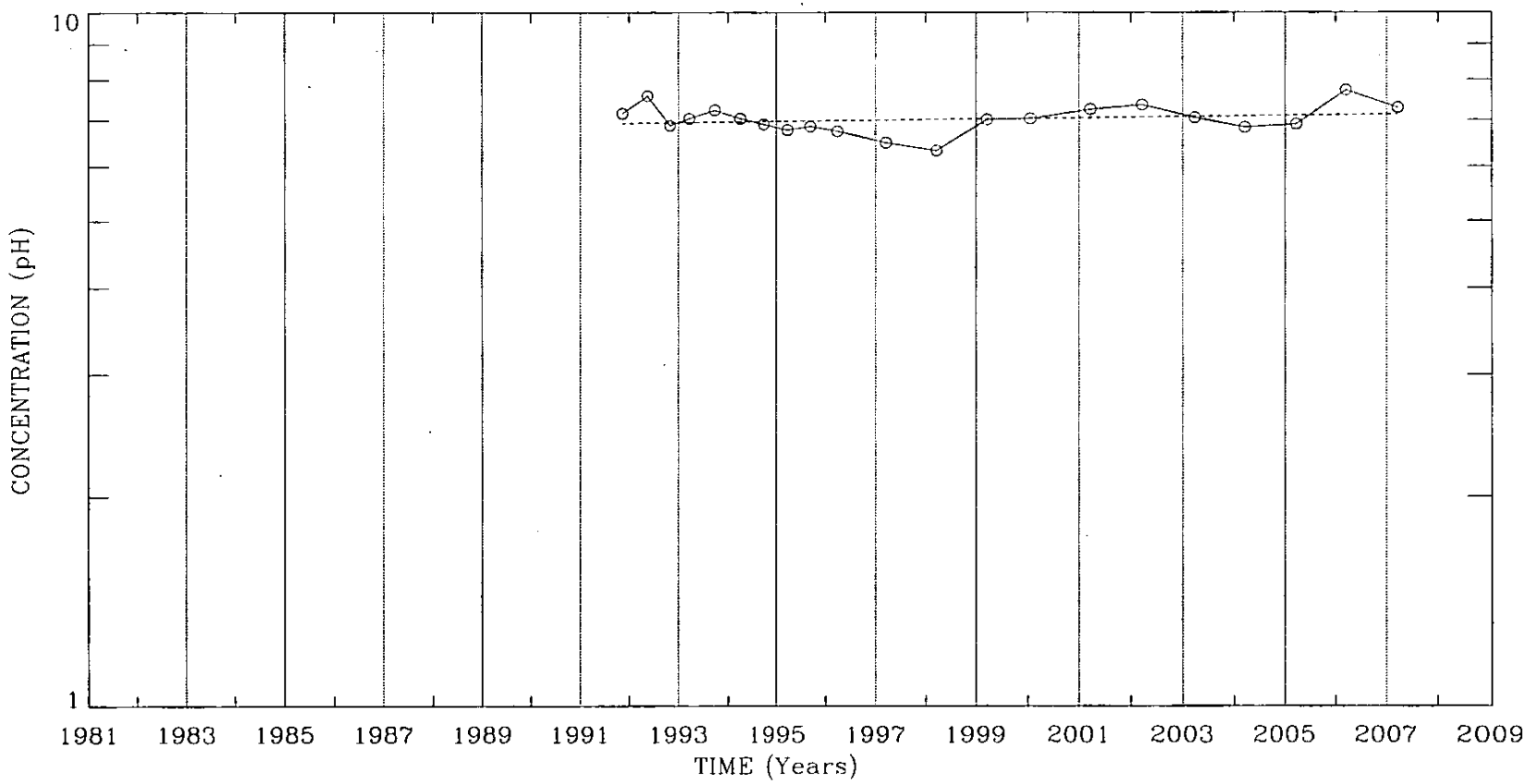

REGRESSION LINE EQUATION: $Y = 7.501E+000e^{-0.0011x}$

Well 54B-1 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



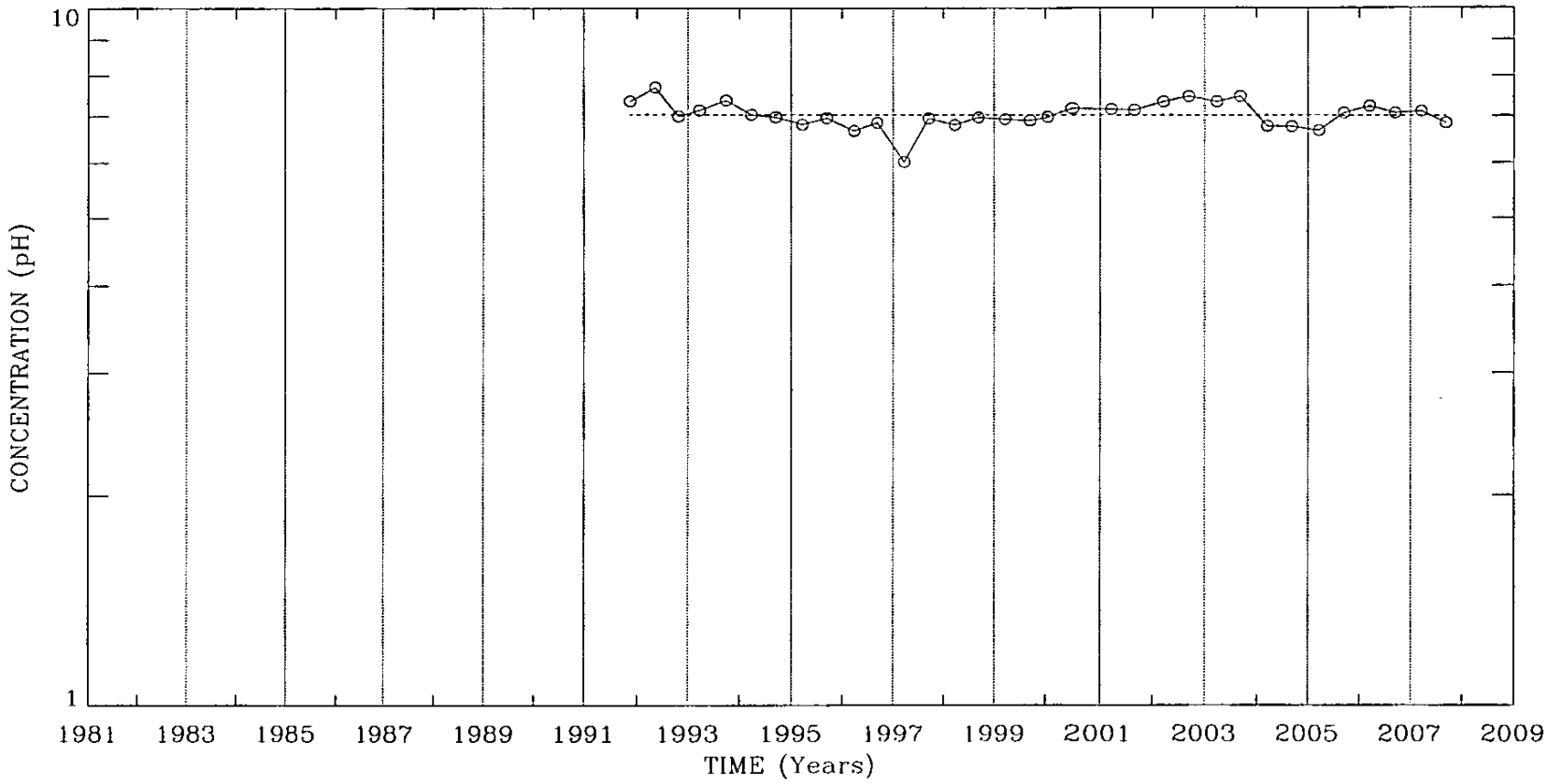

REGRESSION LINE EQUATION: $Y = 6.144E+000e^{0.0010x}$

Well A-DM-01 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



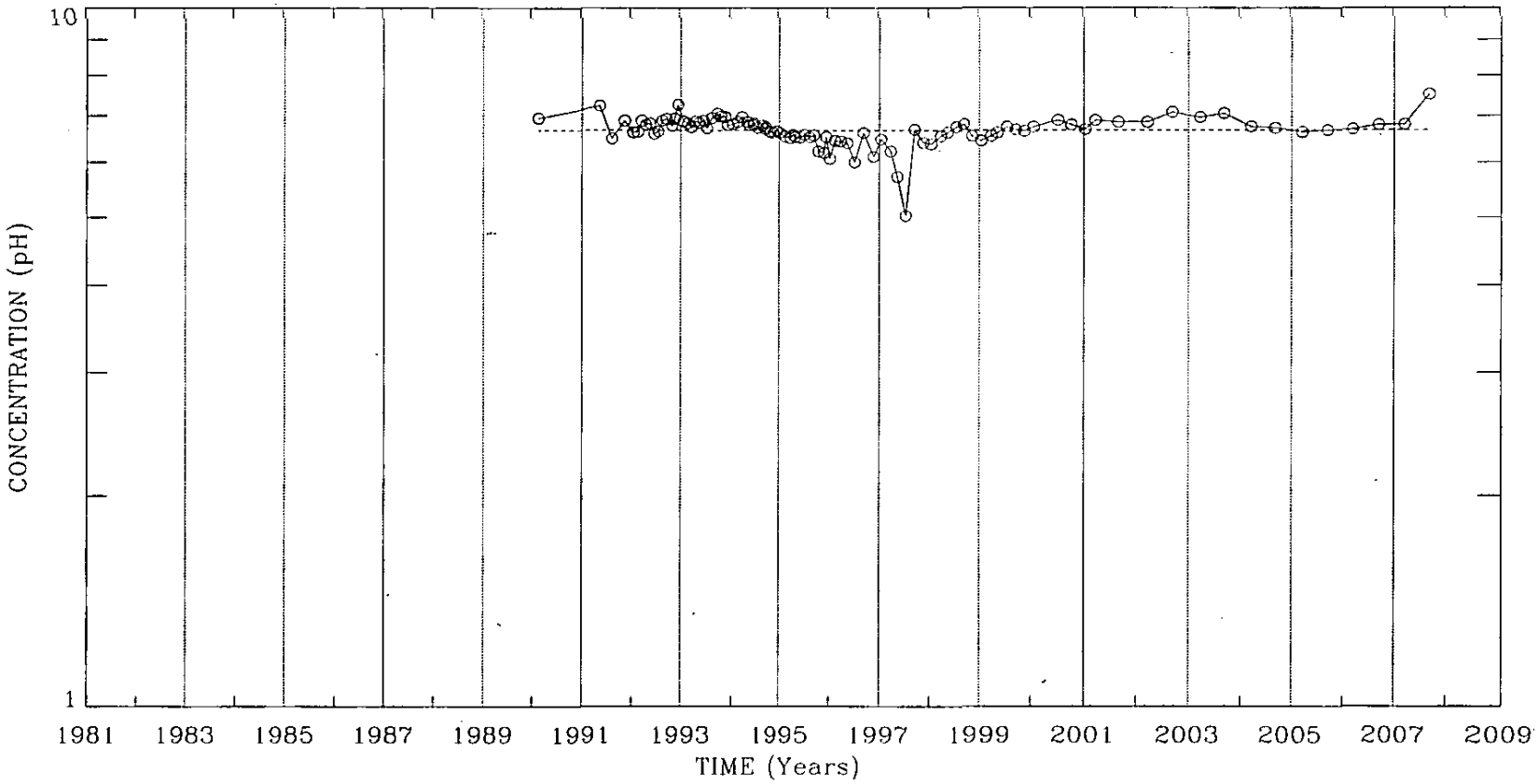

REGRESSION LINE EQUATION: $Y = 5.798E+000e^{0.0019x}$

Well A-DM-02 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



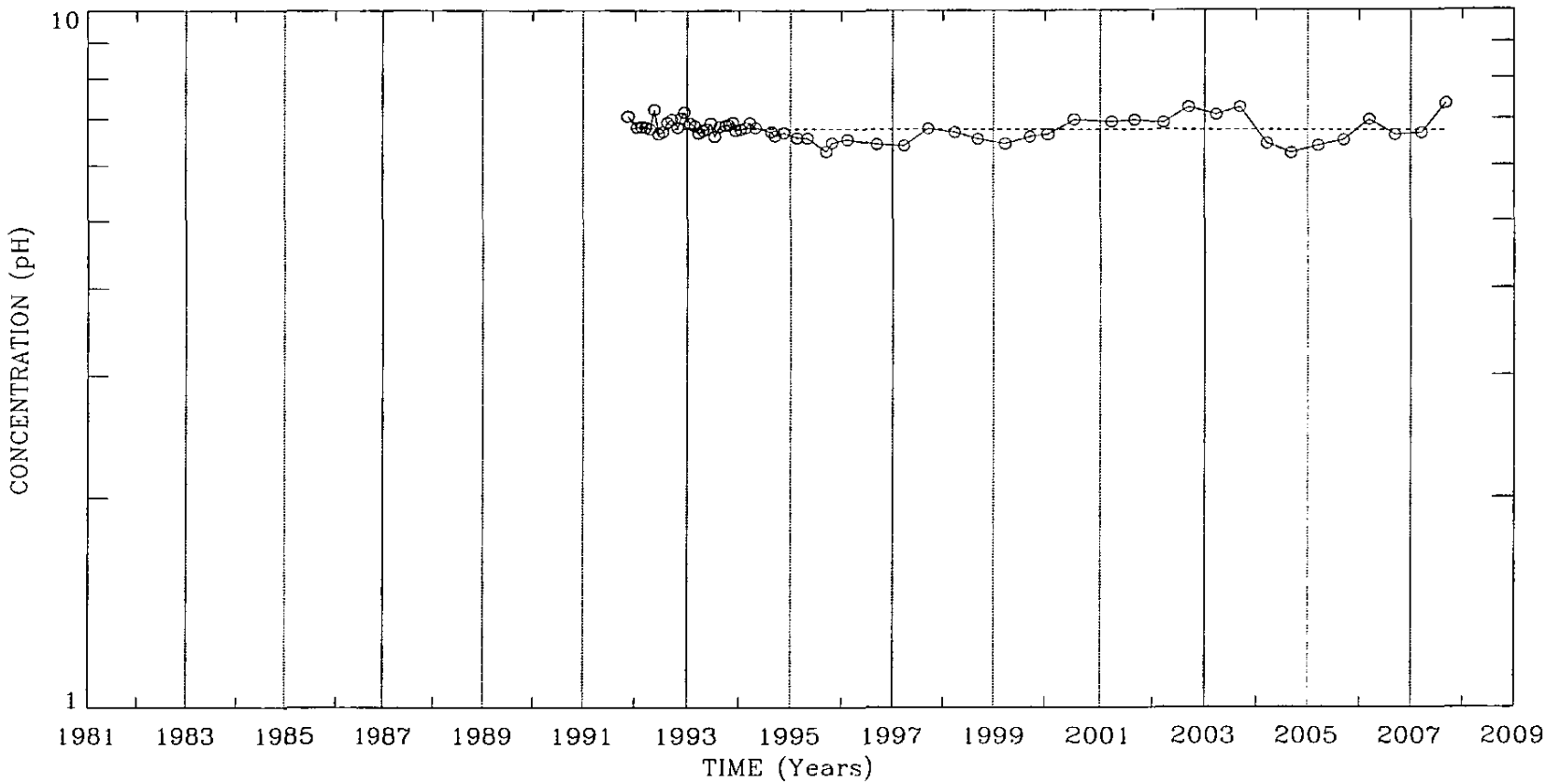

REGRESSION LINE EQUATION: $Y = 7.238E+000e^{-0.0003x}$

Well A-DM-04 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



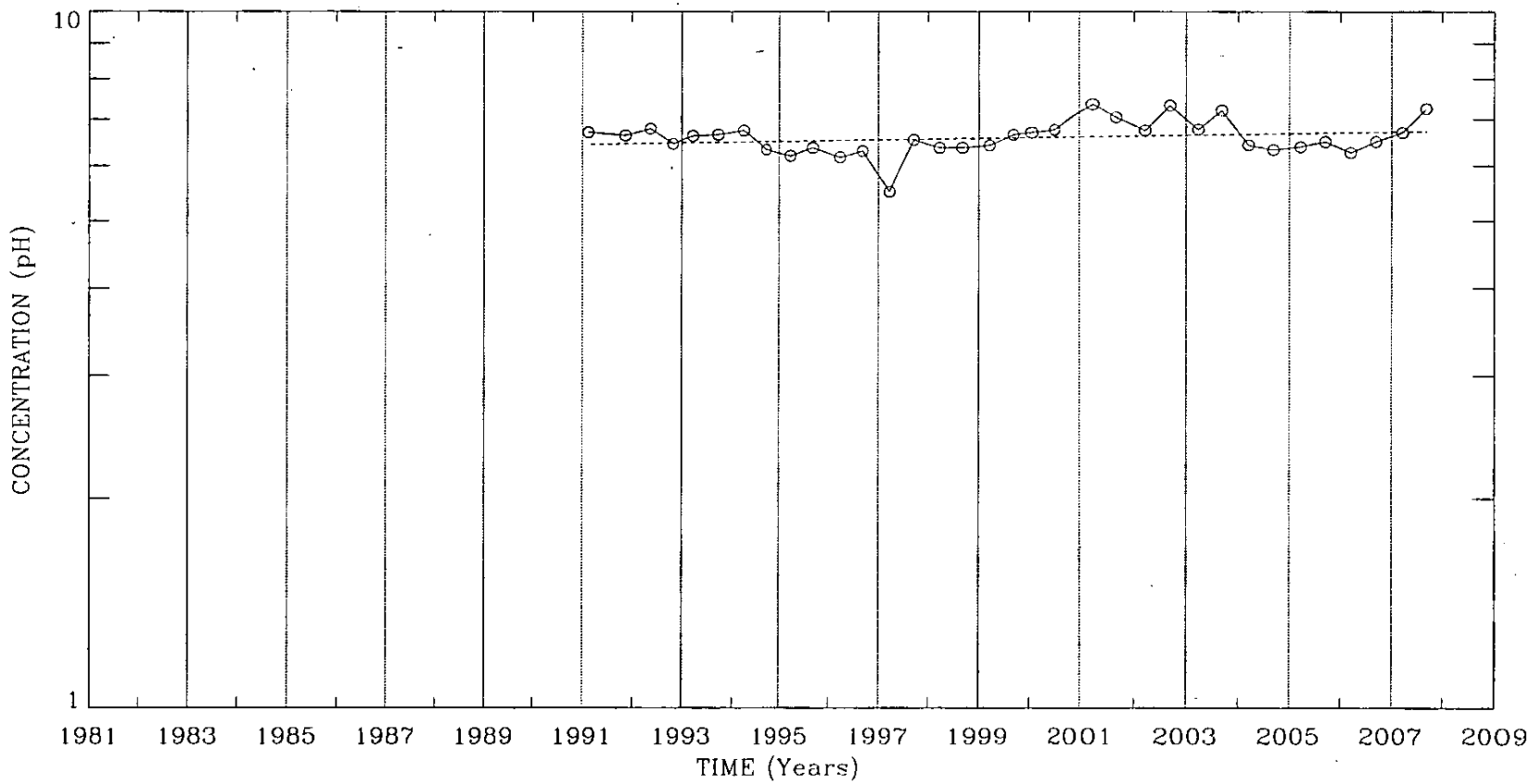

REGRESSION LINE EQUATION: $Y = 6.614E+000e^{0.0001x}$

Well A-DM-05 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



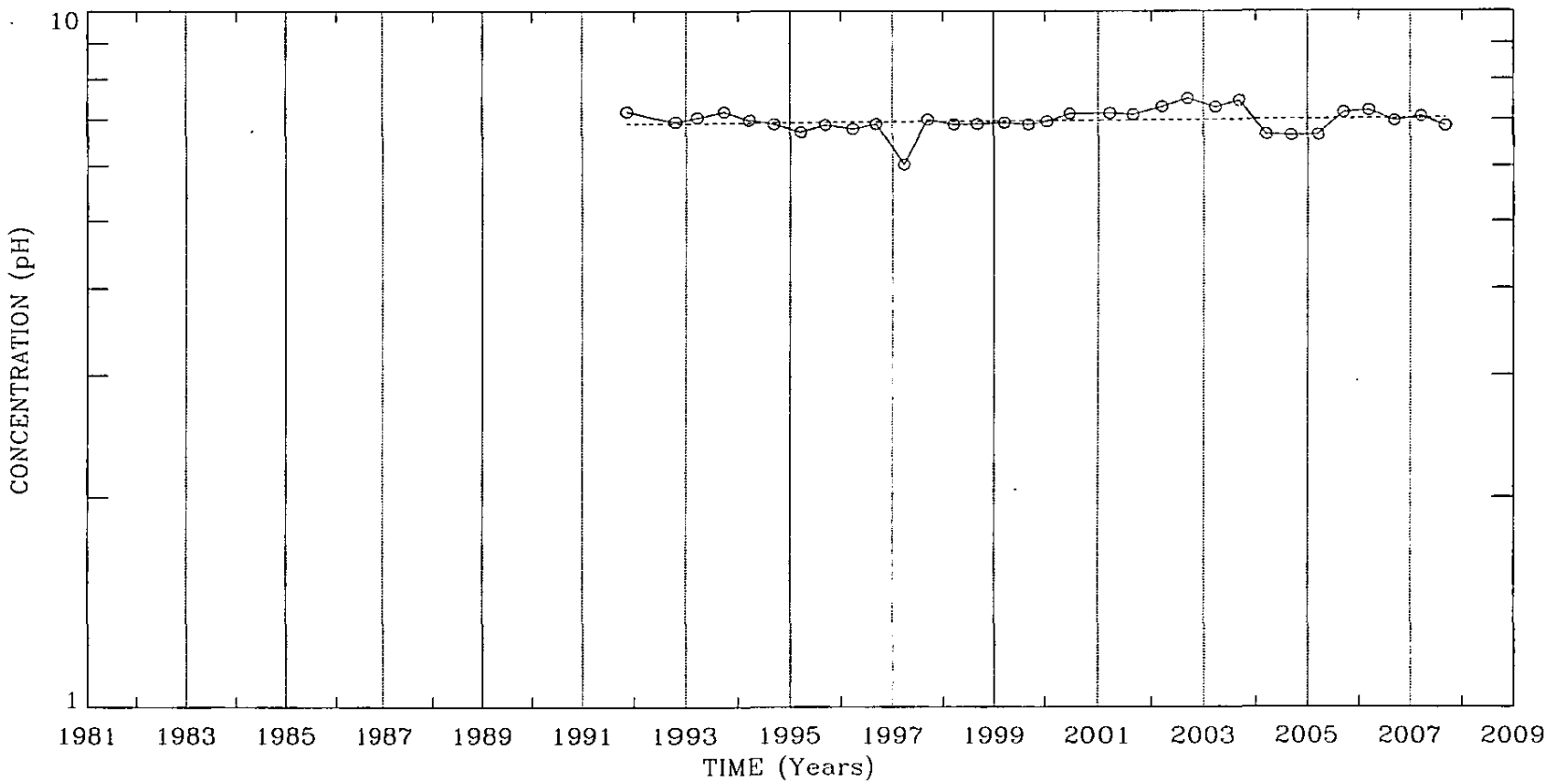

REGRESSION LINE EQUATION: $Y = 7.099E+000e^{-0.0005x}$

Well A-DM-06 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



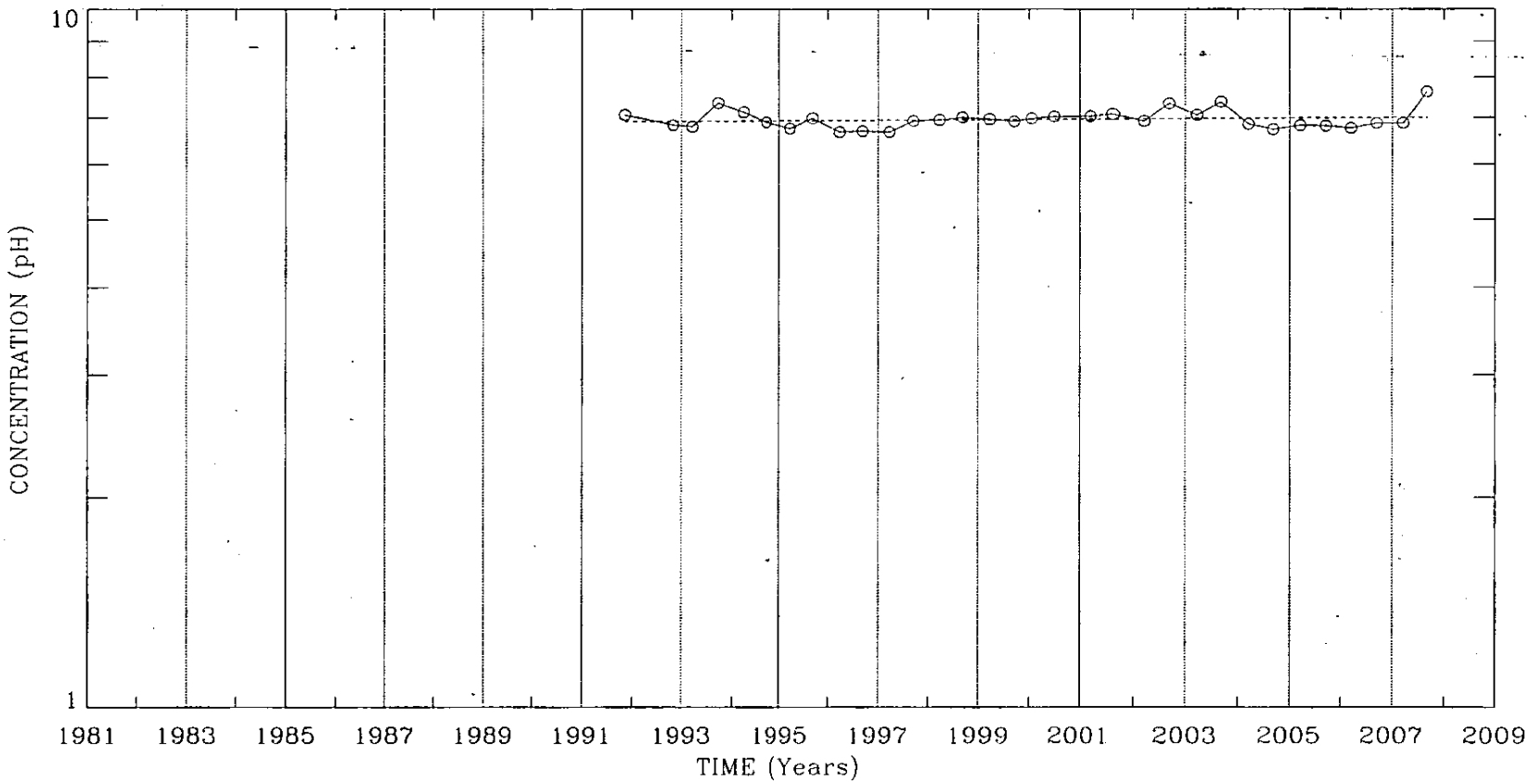

REGRESSION LINE EQUATION: $Y = 5.073E+000e^{0.0026x}$

Well A-LM-01 UNIT 8
PH
Clean Harbors Baton Rouge, LLC



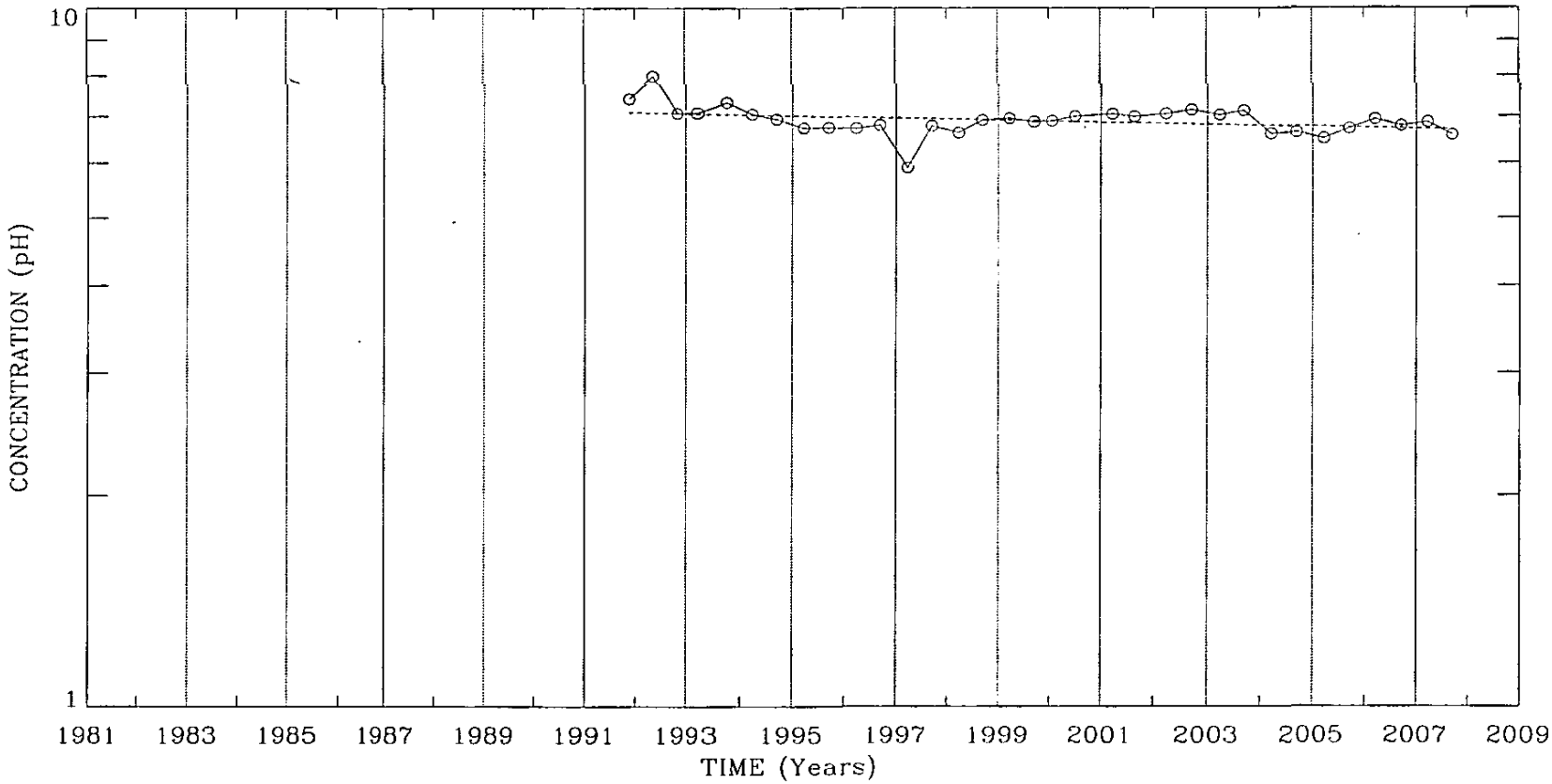

REGRESSION LINE EQUATION: $Y = 6.153E+000e^{0.0012x}$

Well A-LM-02 UNIT 8
PH
Clean Harbors Baton Rouge, LLC



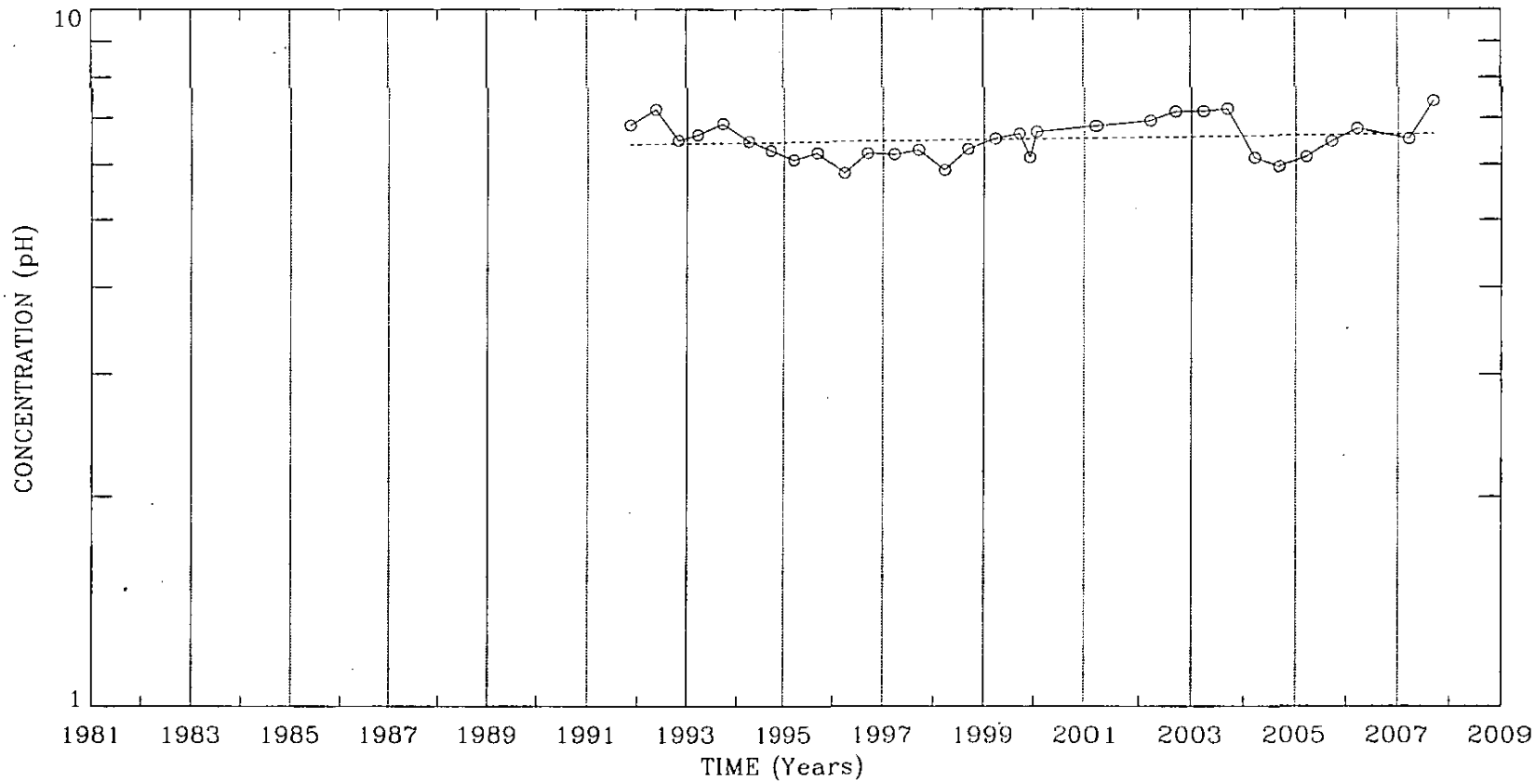

REGRESSION LINE EQUATION: $Y = 6.334E+000e^{0.0009x}$

Well A-SM-01 UNIT 3
PH
Clean Harbors Baton Rouge, LLC



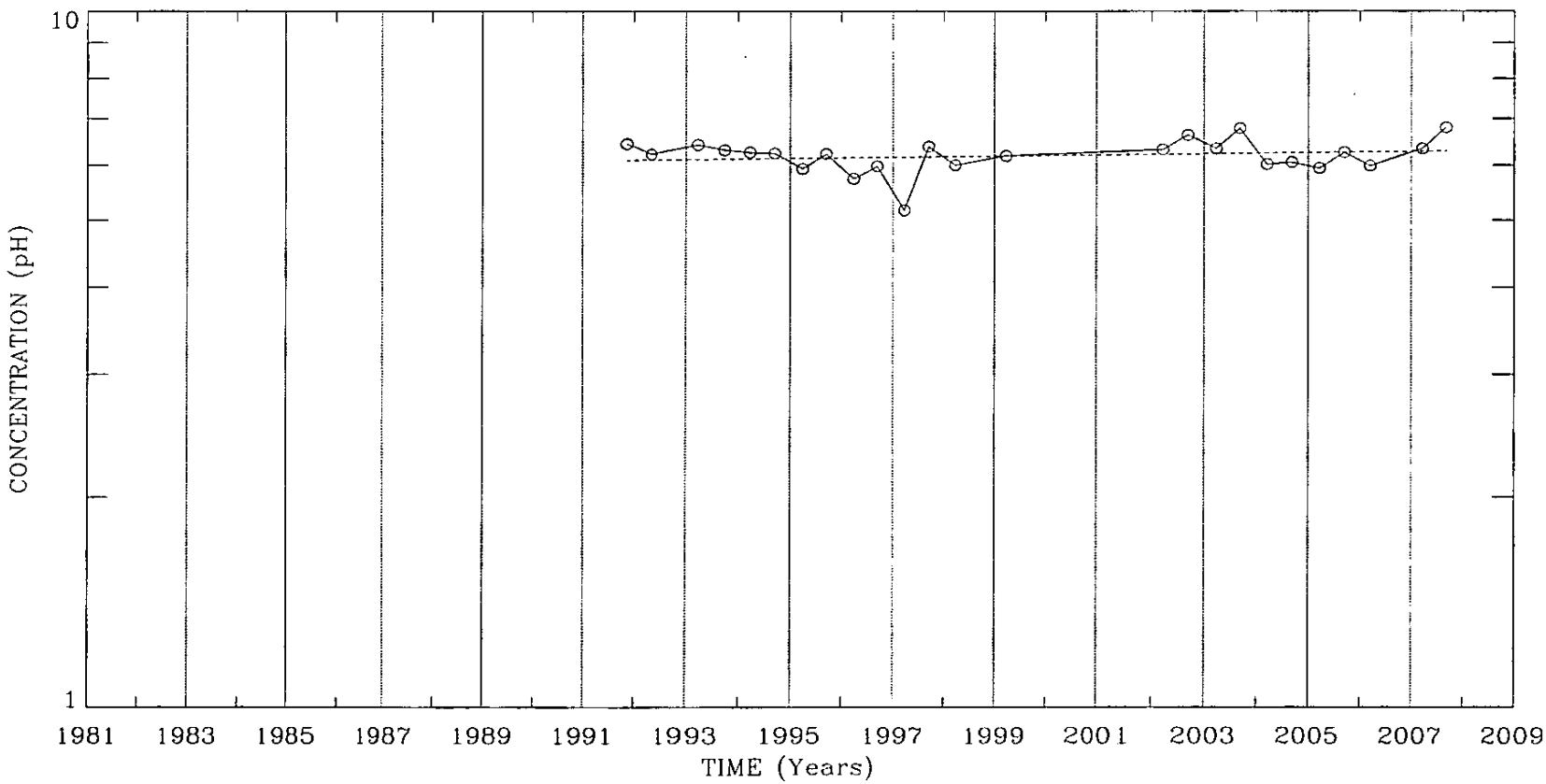

REGRESSION LINE EQUATION: $Y = 9.861E+000e^{-0.0036x}$

Well A-SM-07 UNIT 3
PH
Clean Harbors Baton Rouge, LLC



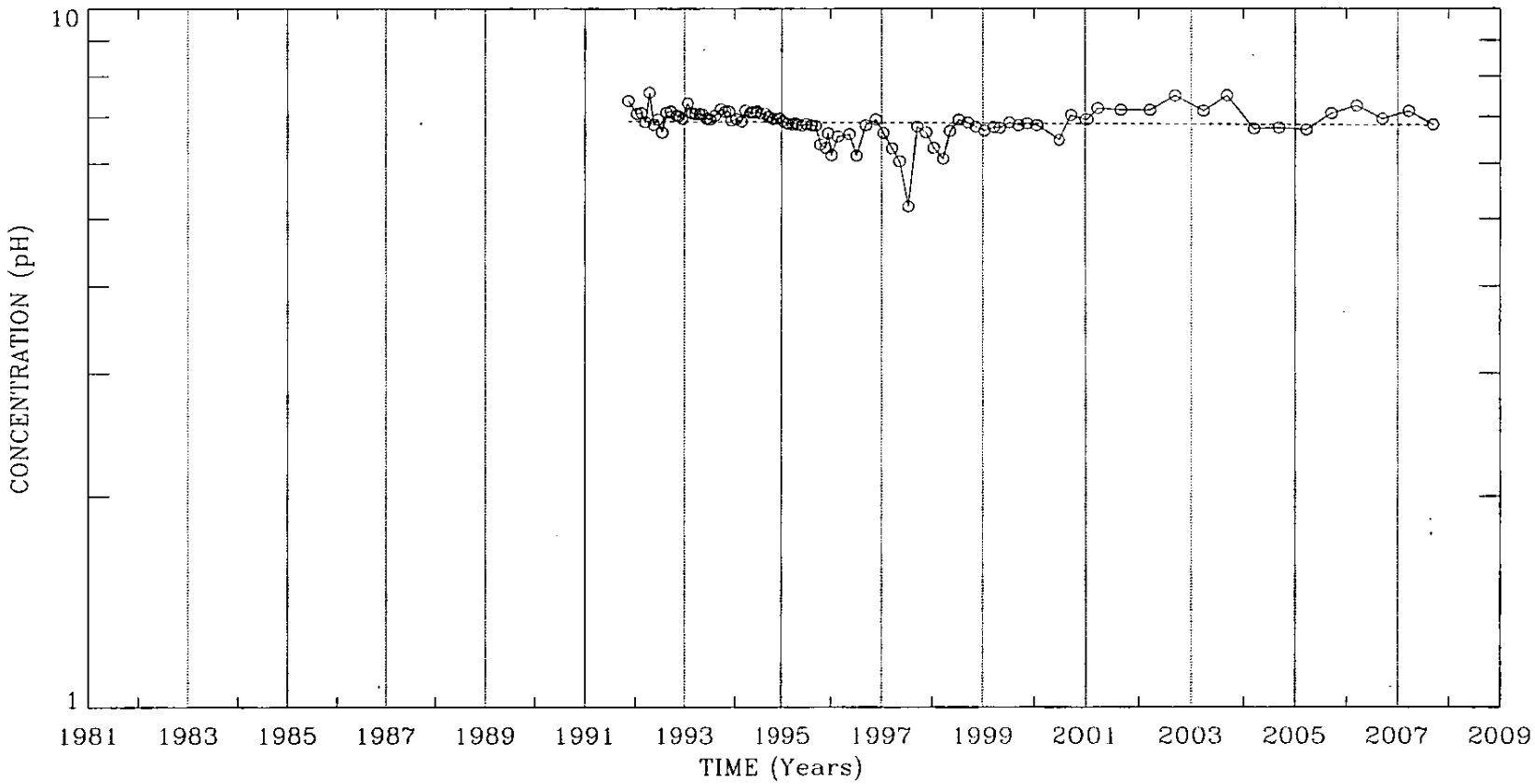

REGRESSION LINE EQUATION: $Y = 5.204E+000e^{0.0023x}$

Well A-SM-08 UNIT 3
PH
Clean Harbors Baton Rouge, LLC



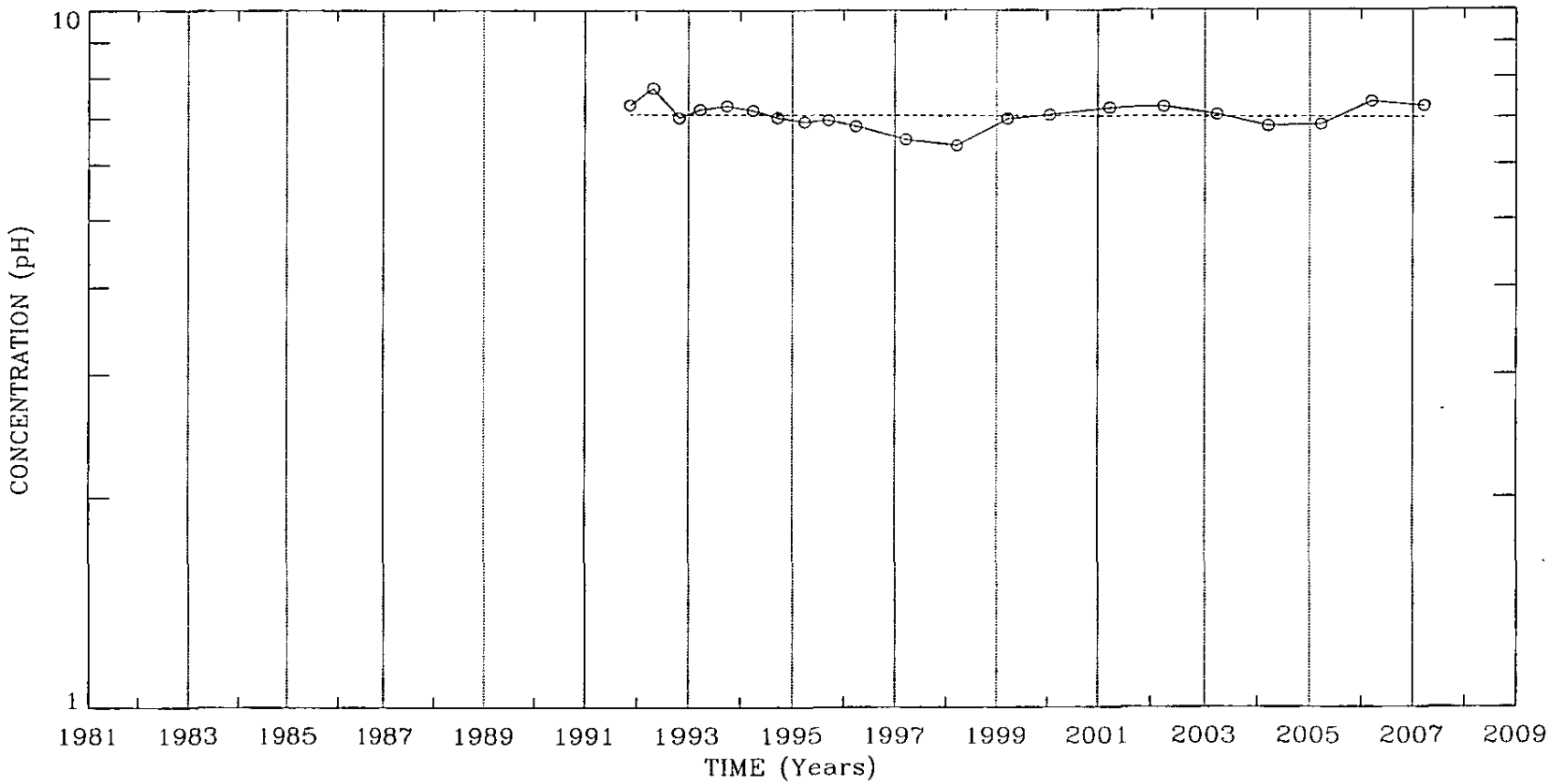

REGRESSION LINE EQUATION: $Y = 5.132E+000e^{0.0019x}$

Well A-SM-09 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



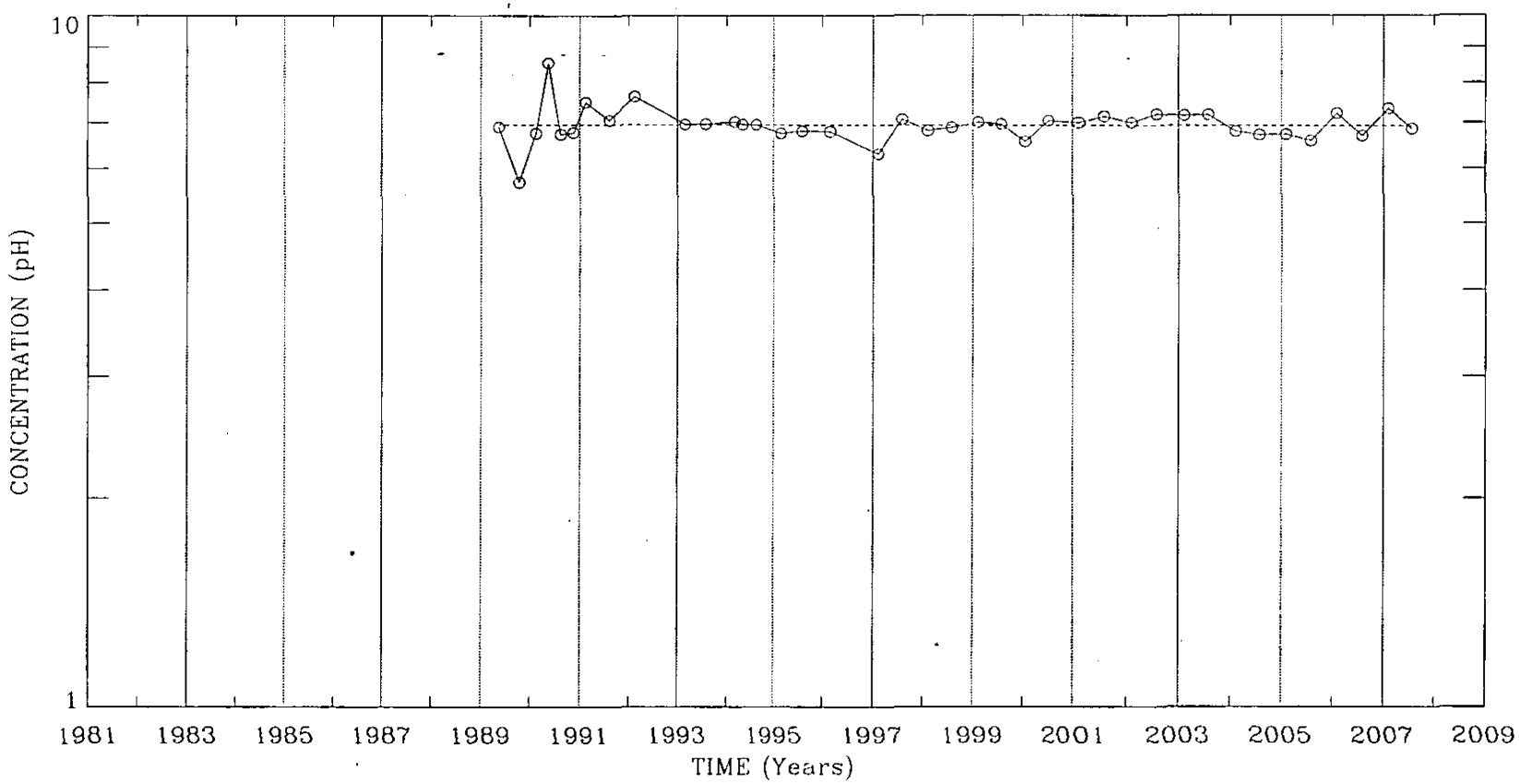

REGRESSION LINE EQUATION: $Y = 7.444E+000e^{-0.0008x}$

Well A-SM-10 UNIT 3
PH
Clean Harbors Baton Rouge, LLC



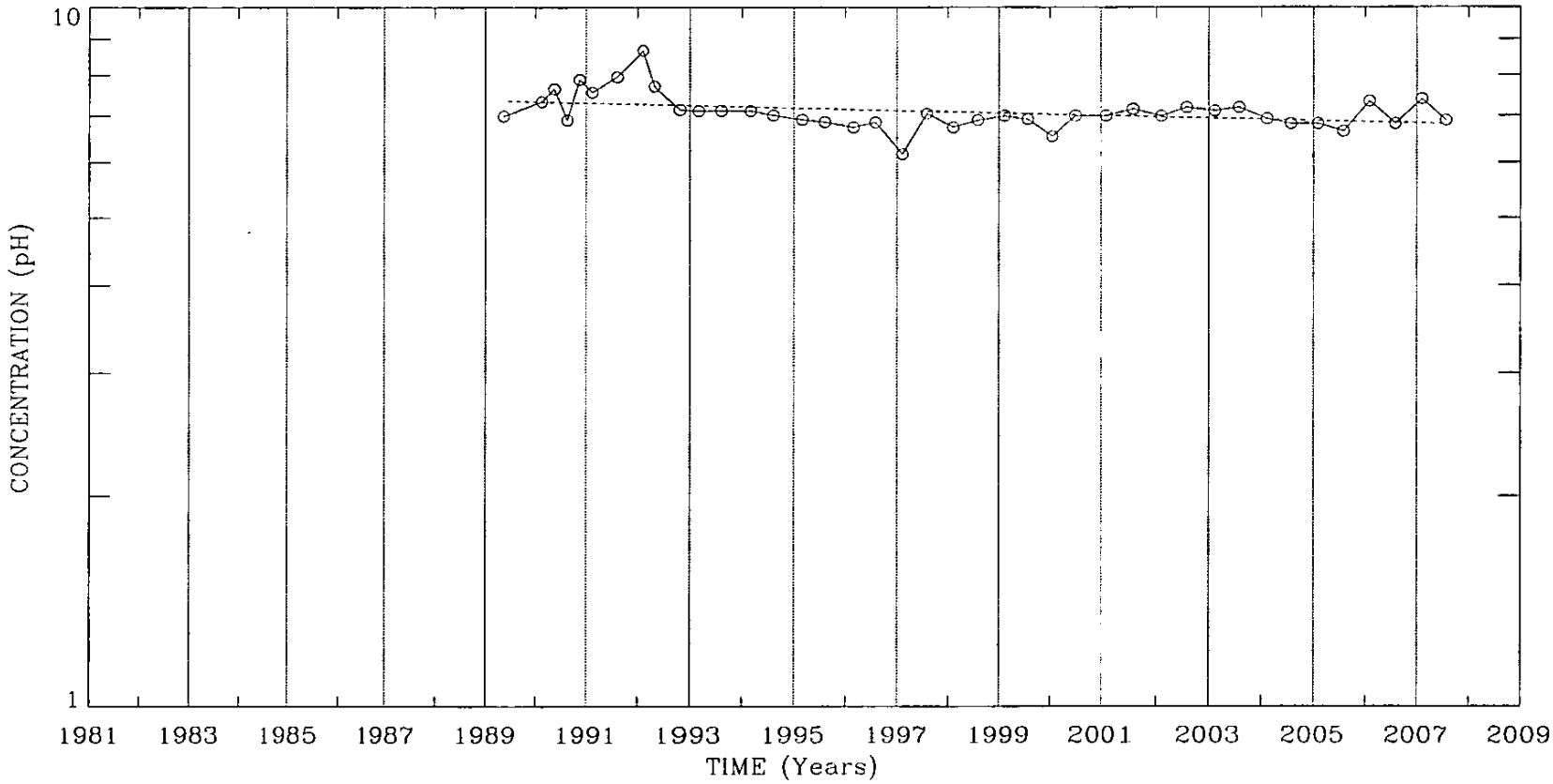

REGRESSION LINE EQUATION: $Y = 7.620E+000e^{-0.0008x}$

Well AT-01 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



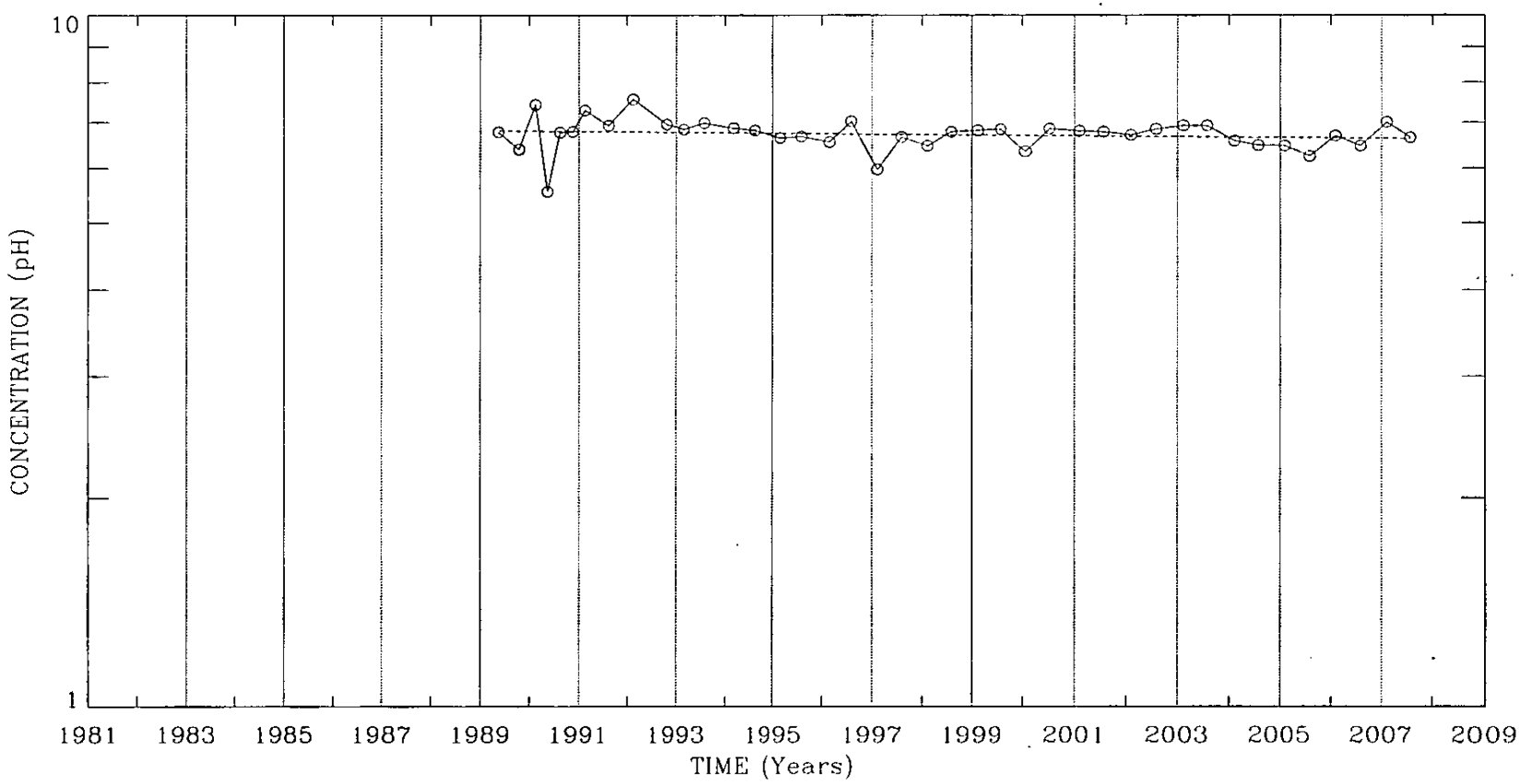

REGRESSION LINE EQUATION: $Y = 7.134E+000e^{-0.0003x}$

Well AT-02 UNIT 8
PH
Clean Harbors Baton Rouge, LLC



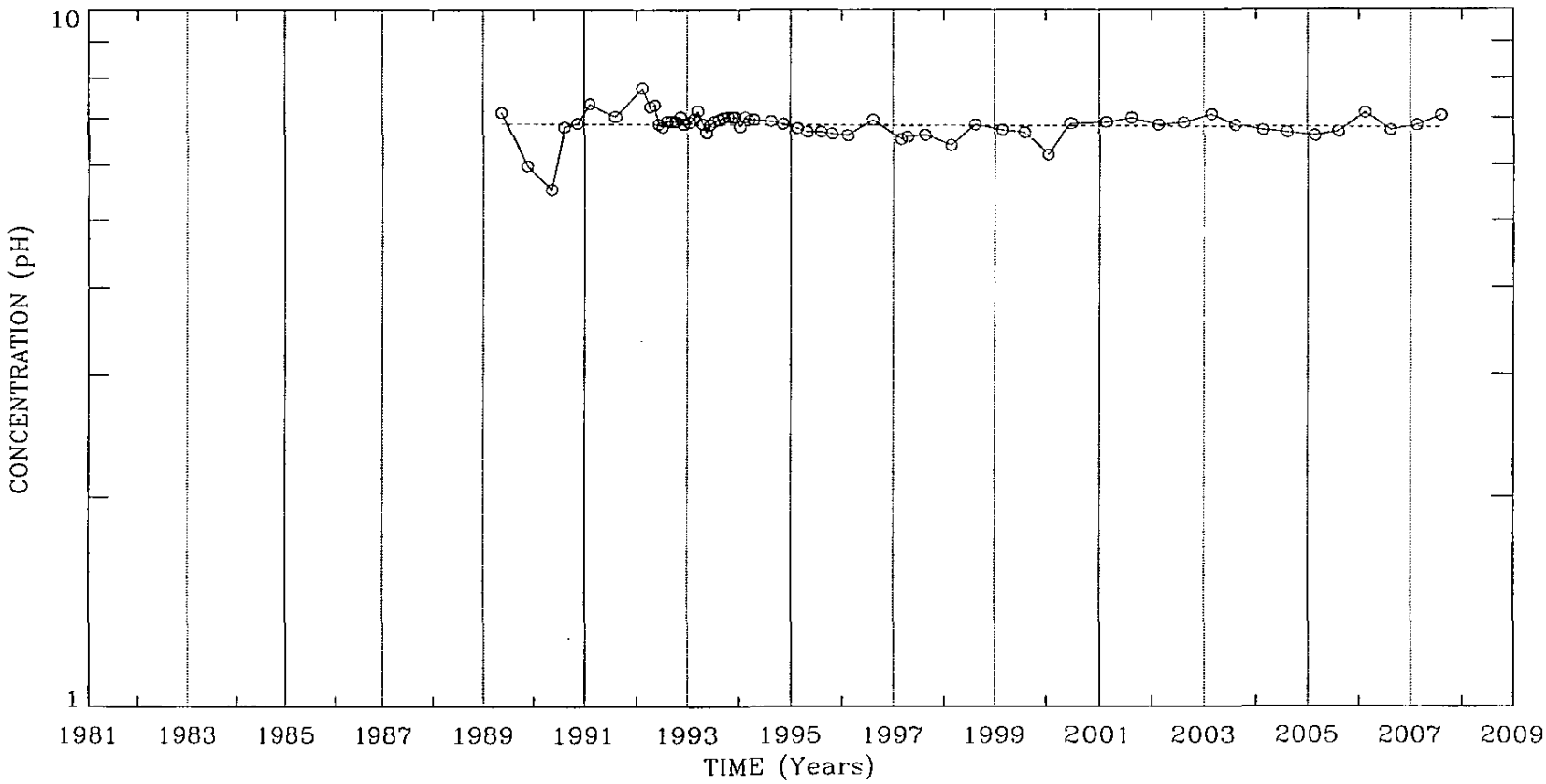

REGRESSION LINE EQUATION: $Y = 1.065E+001e^{-0.0042x}$

Well AT-03 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



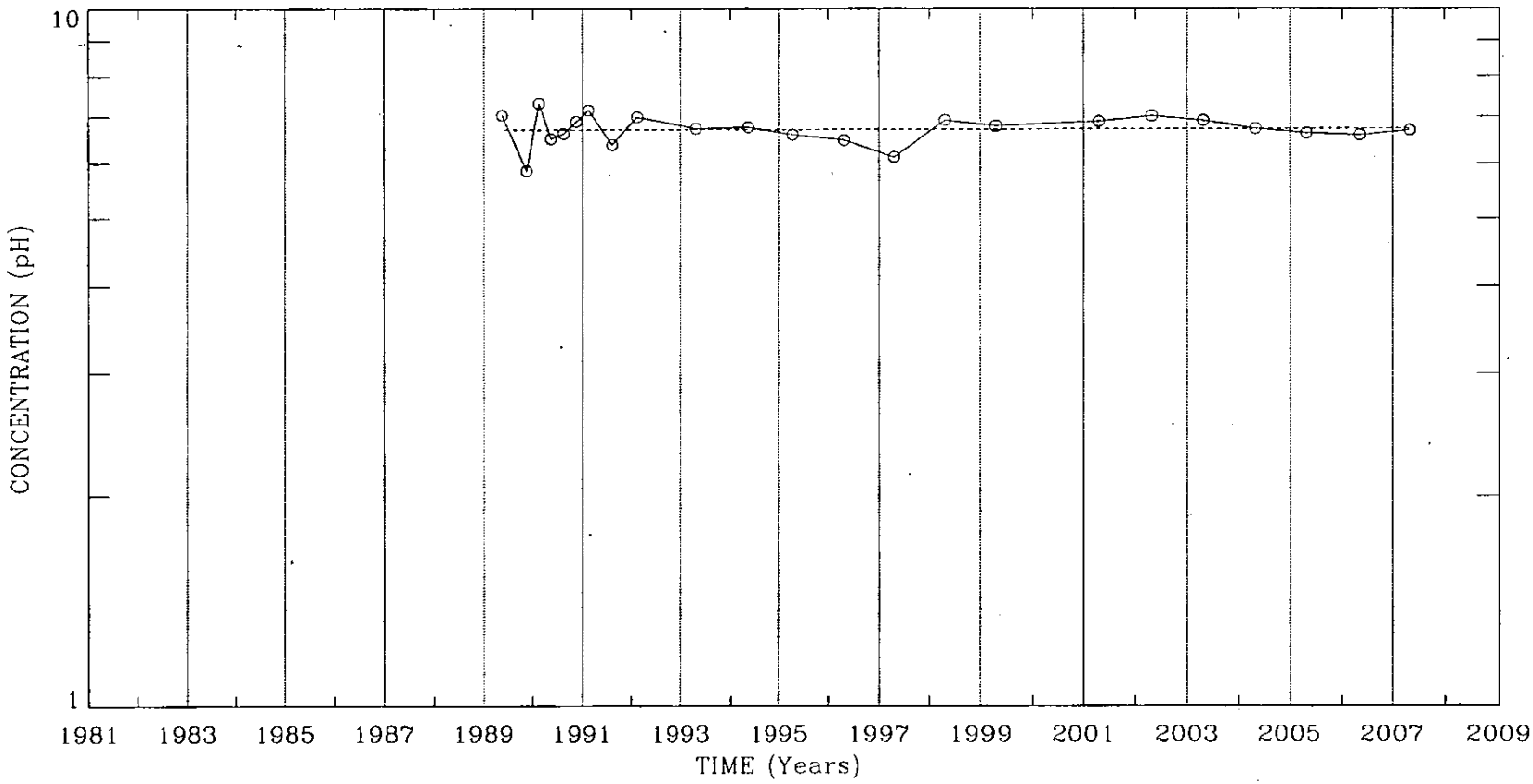

REGRESSION LINE EQUATION: $Y = 7.710E+000e^{-0.0014x}$

Well AT-04 UNIT 8
PH
Clean Harbors Baton Rouge, LLC



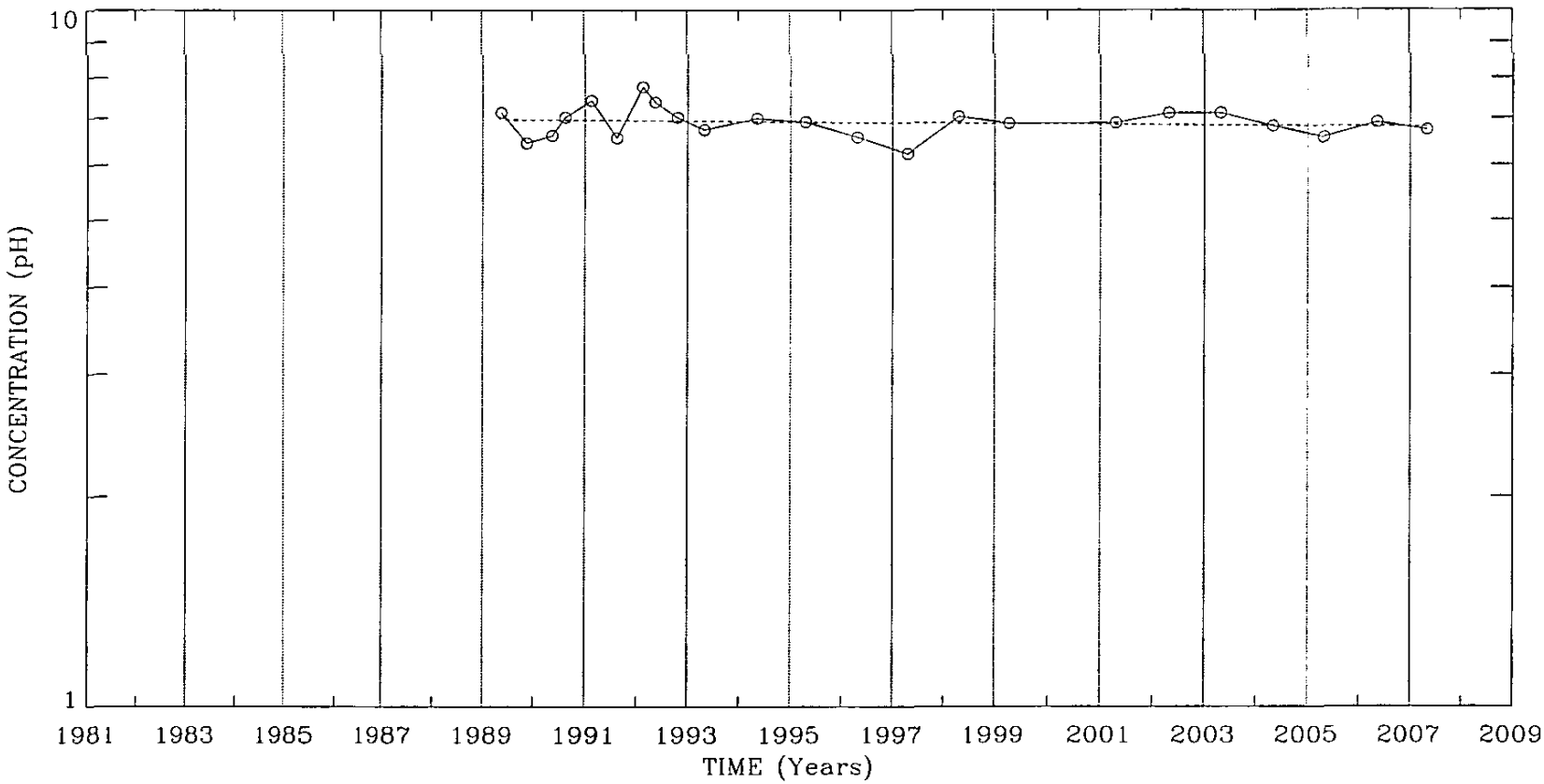

REGRESSION LINE EQUATION: $Y = 7.338E+000e^{-0.0007x}$

Well AT-05 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



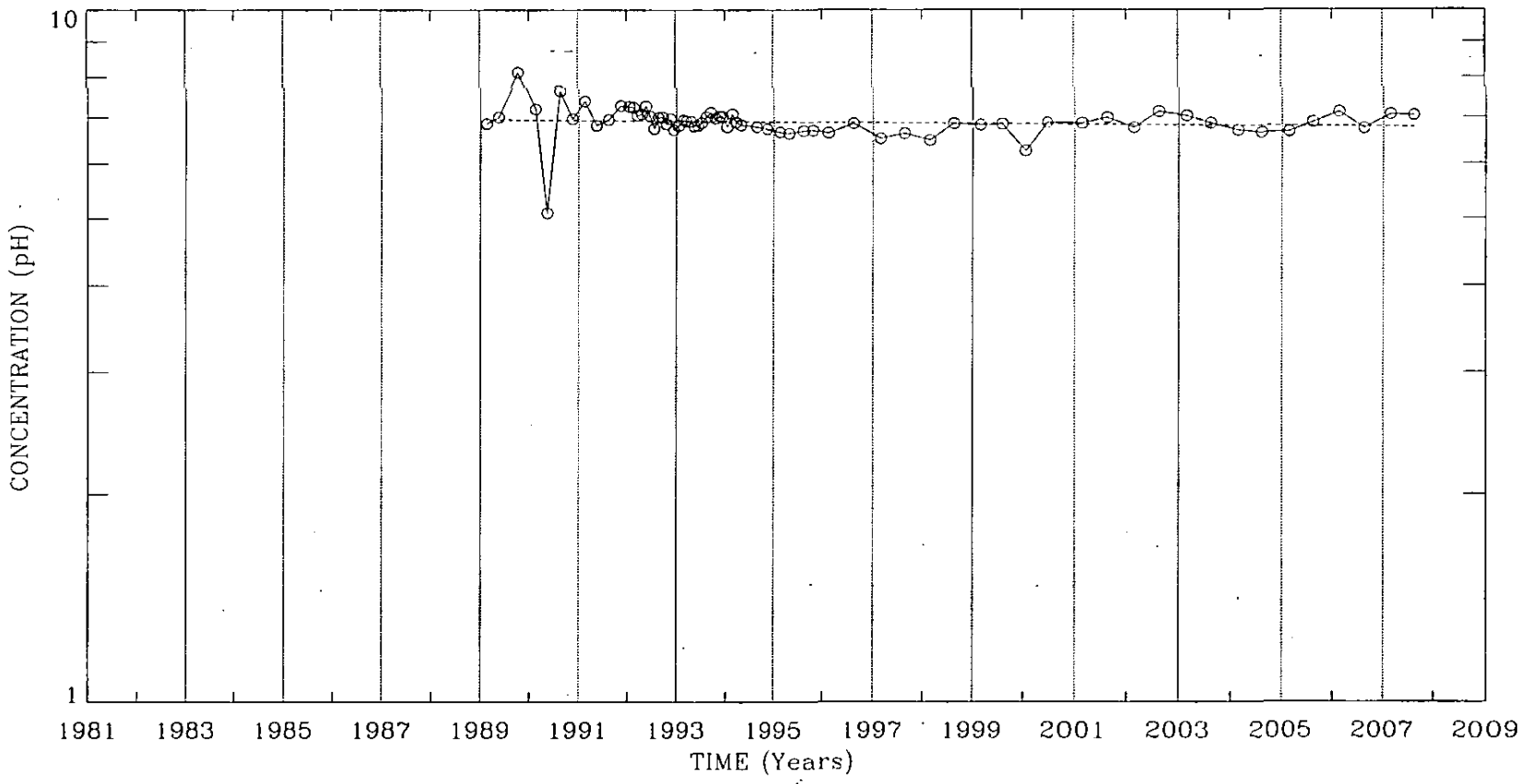

REGRESSION LINE EQUATION: $Y = 6.565E+000e^{0.0002x}$

Well AT-06 UNIT 8
PH
Clean Harbors Baton Rouge, LLC



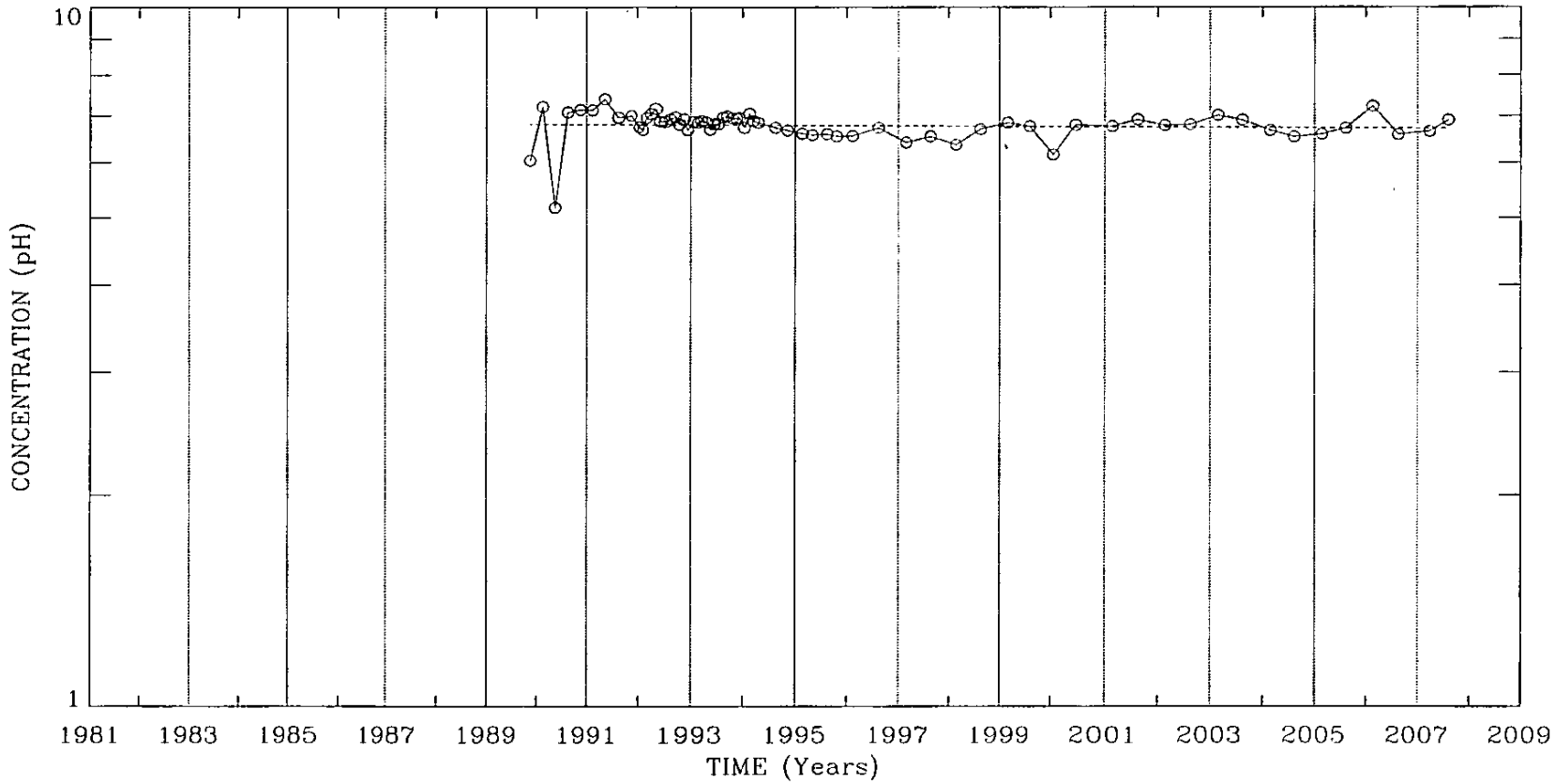

REGRESSION LINE EQUATION: $Y = 7.881E+000e^{-0.0014x}$

Well AT-07 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



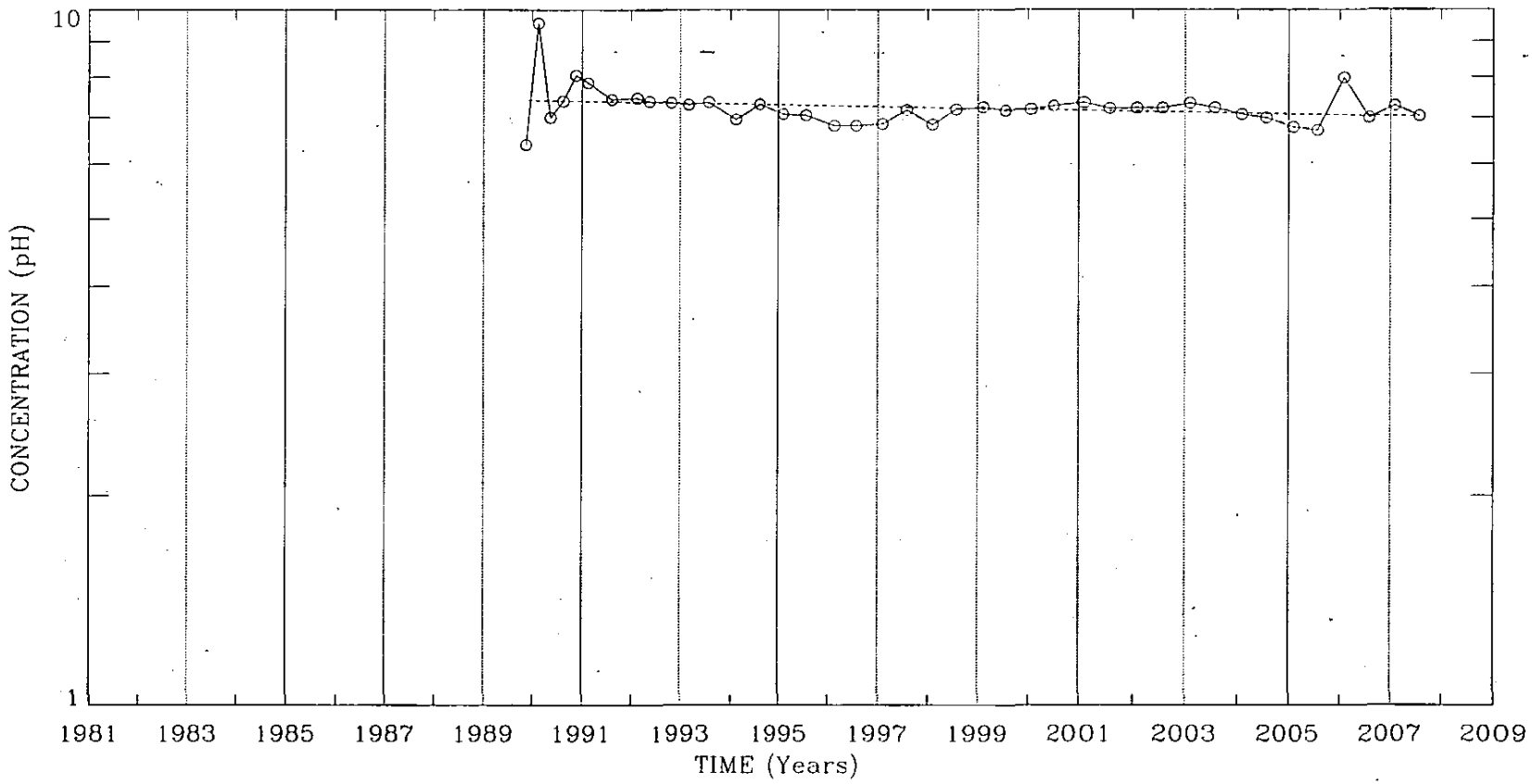

REGRESSION LINE EQUATION: $Y = 7.815E+000e^{-0.0013x}$

Well AT-08 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



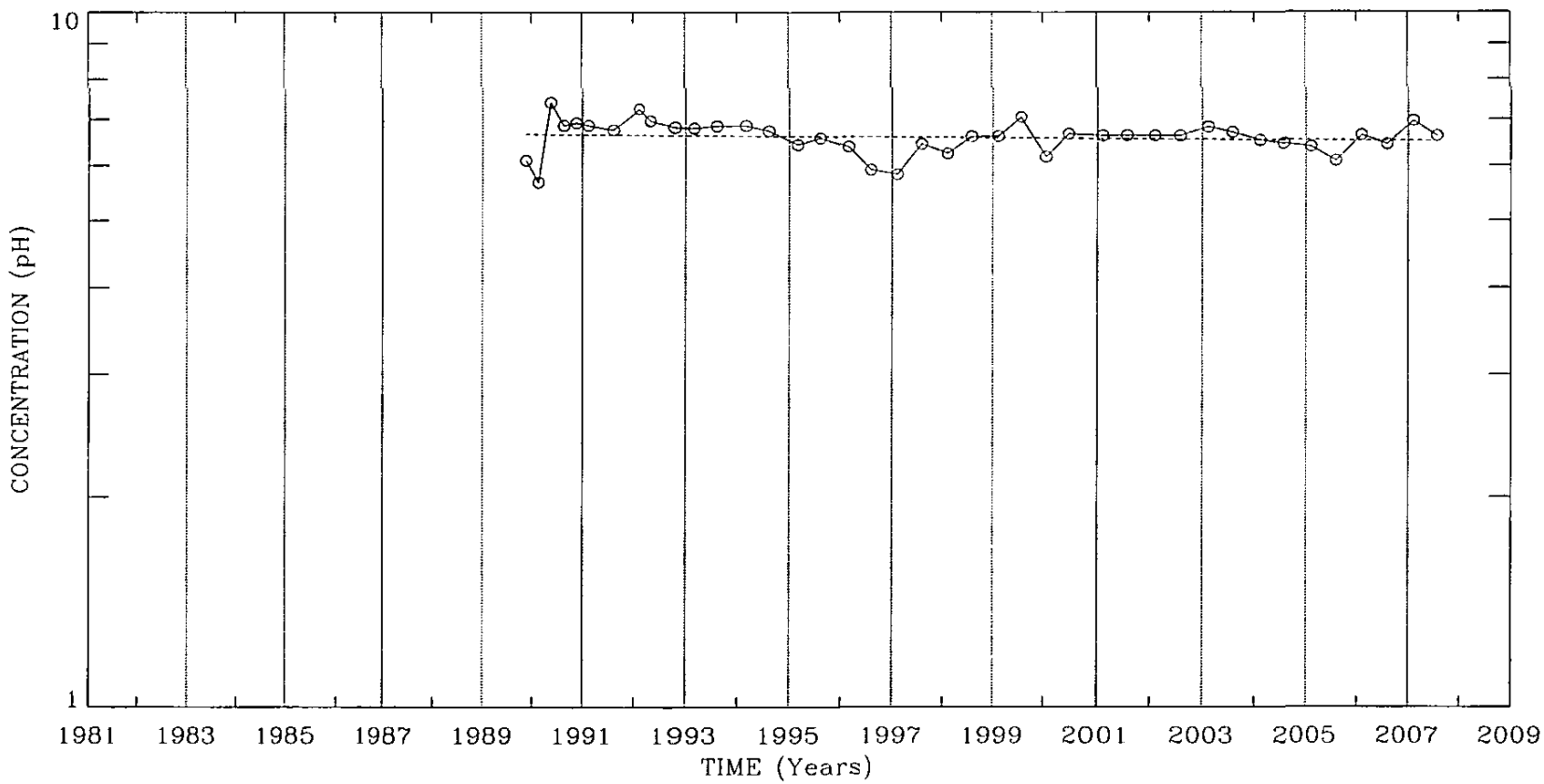

REGRESSION LINE EQUATION: $Y = 7.289E+000e^{-0.0008x}$

Well AT-09 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



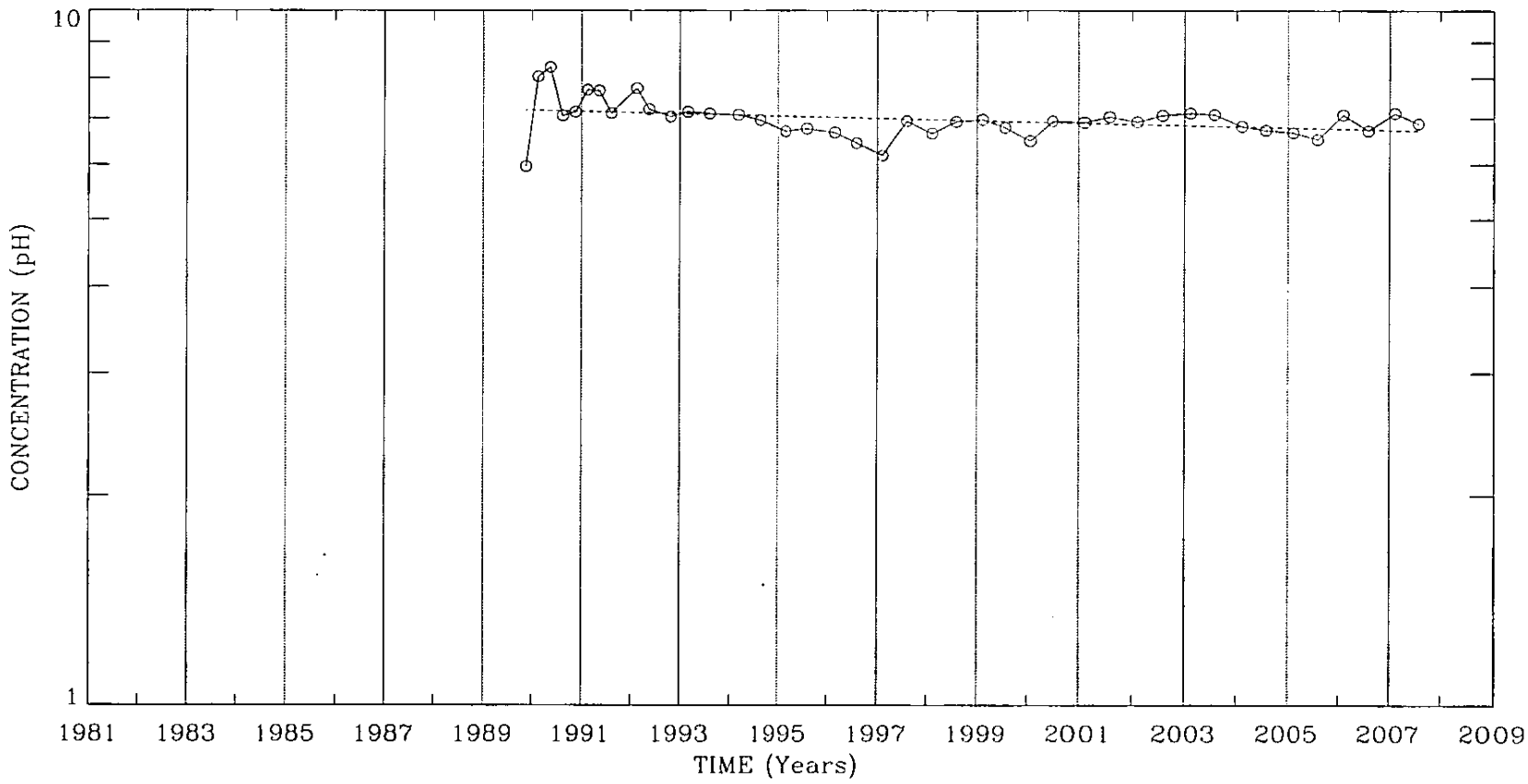

REGRESSION LINE EQUATION: $Y = 9.743E+000e^{-0.0030x}$

Well AT-10 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



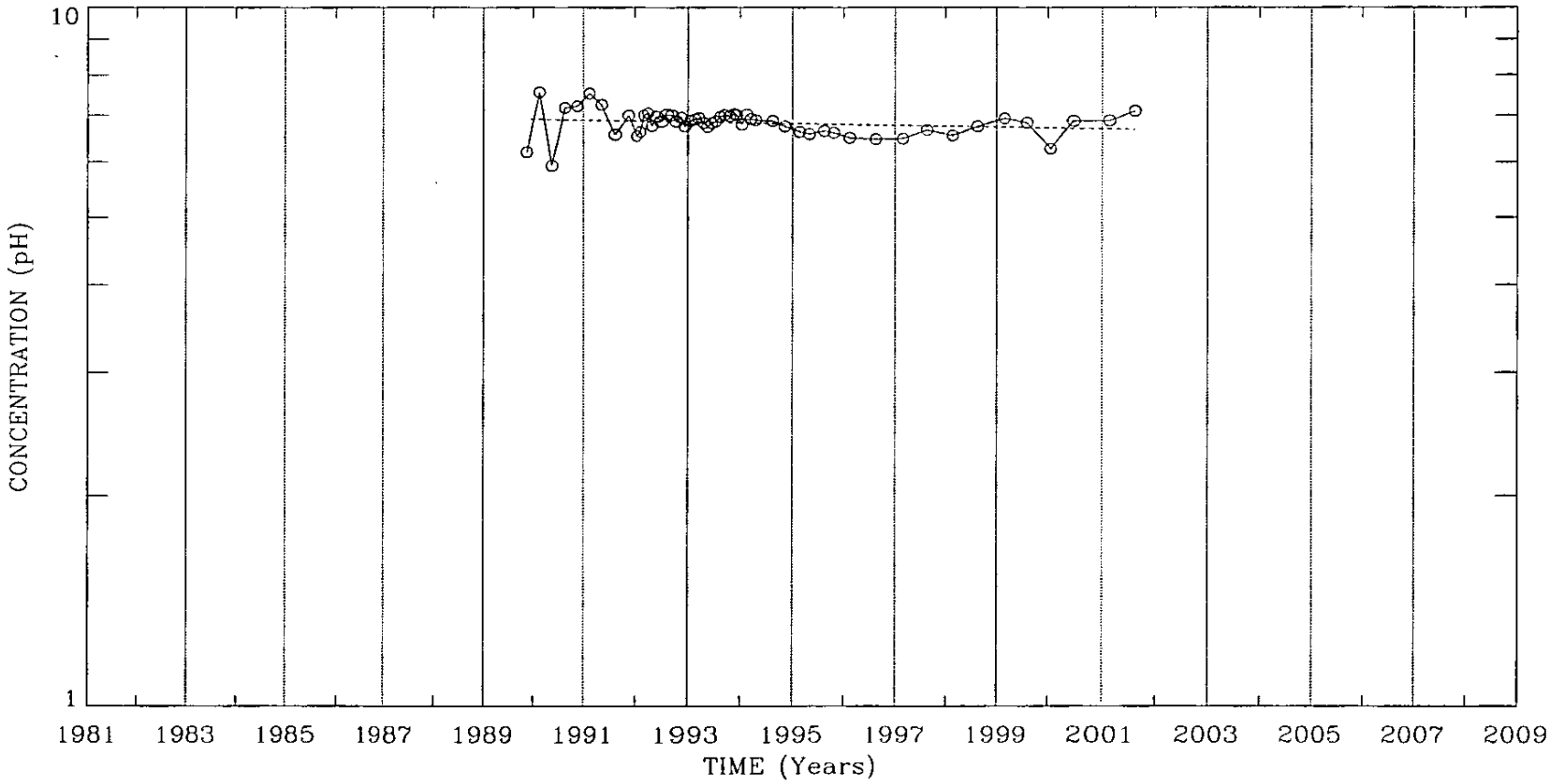

REGRESSION LINE EQUATION: $Y = 7.522E+000e^{-0.0013x}$

Well AT-11 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



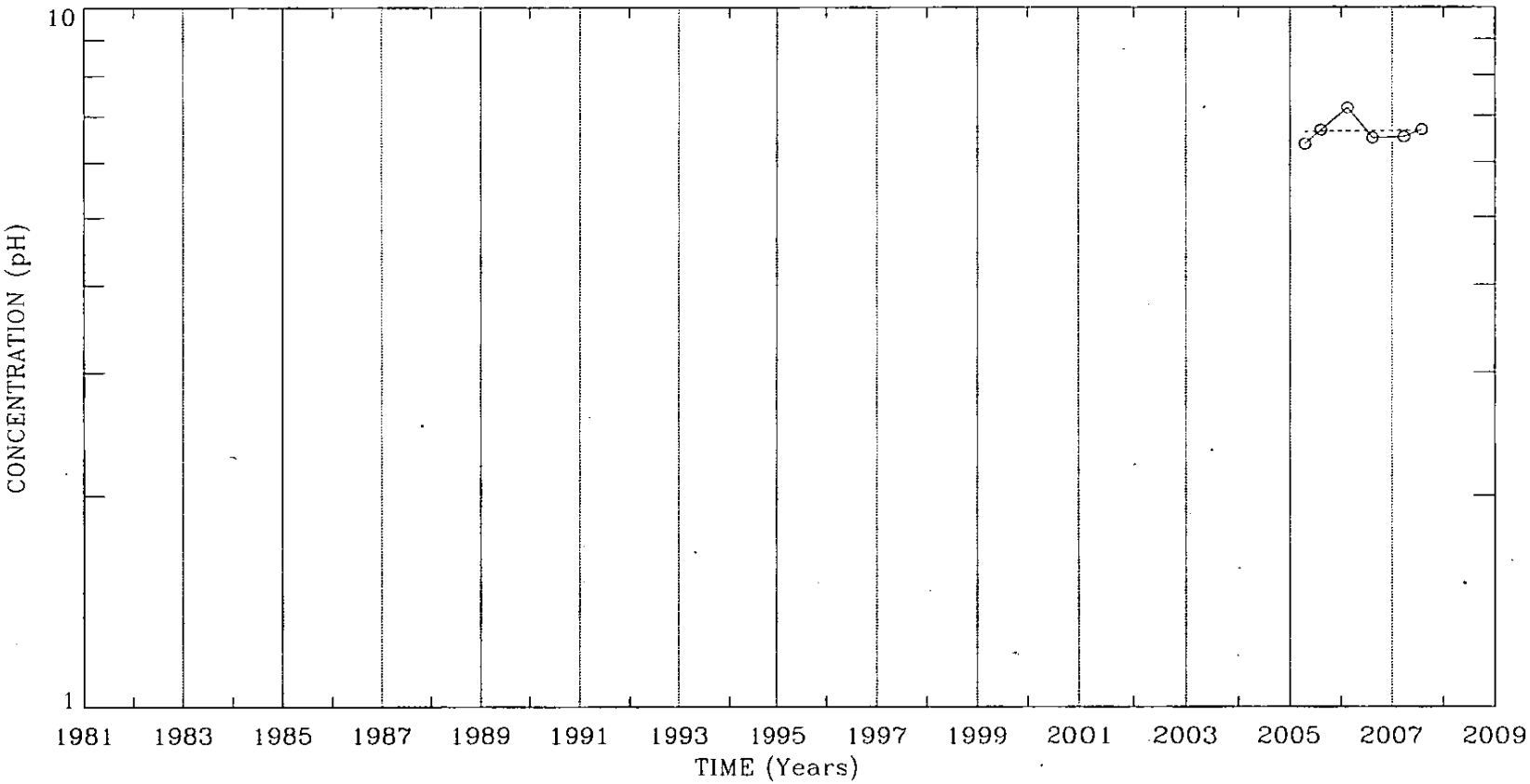

REGRESSION LINE EQUATION: $Y = 1.018E+001e^{-0.0039x}$

Well AT-12 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



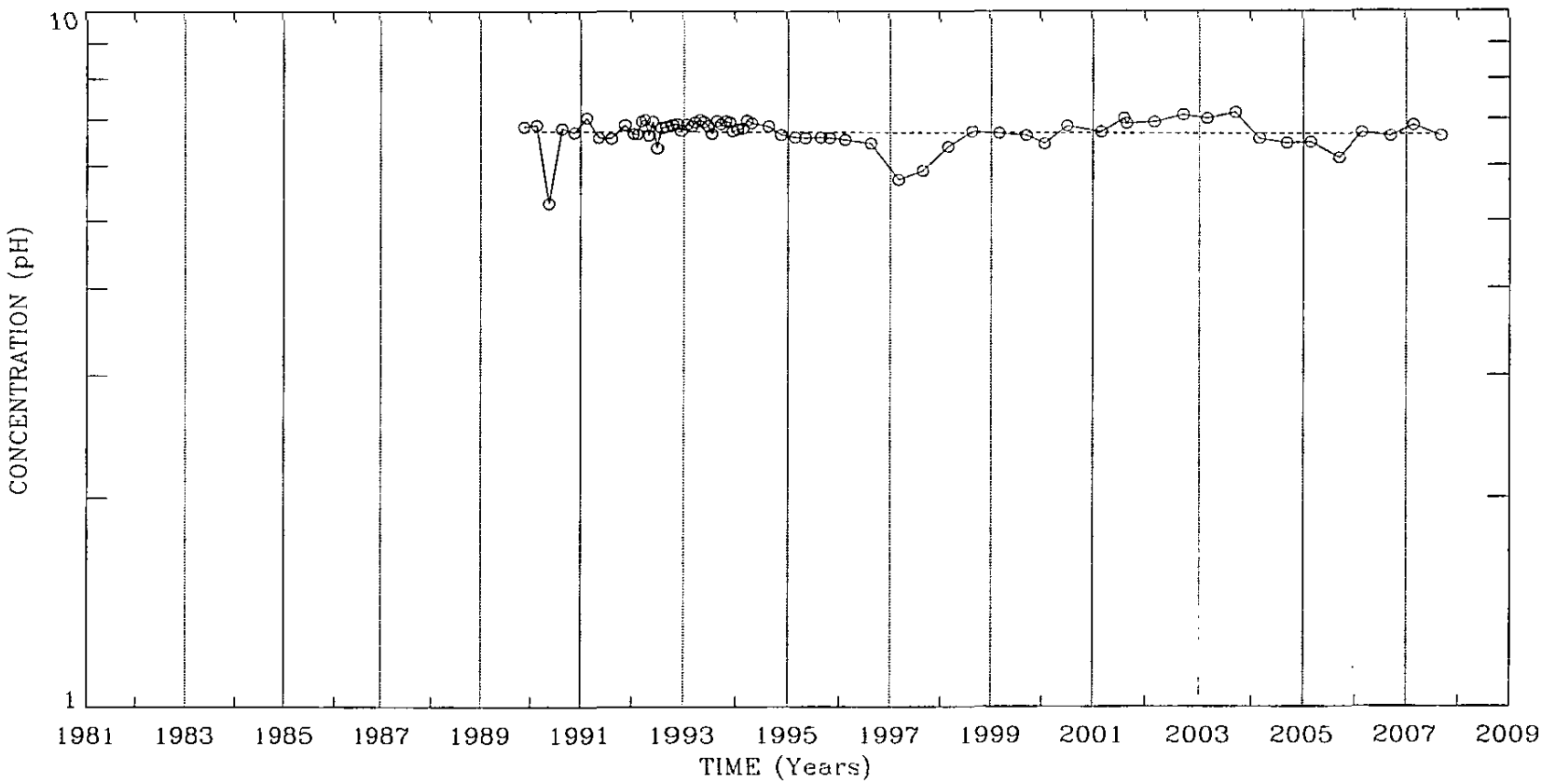

REGRESSION LINE EQUATION: $Y = 8.951E+000e^{-0.0029x}$

Well AT-12R Unit 6
PH
Clean Harbors Baton Rouge, LLC



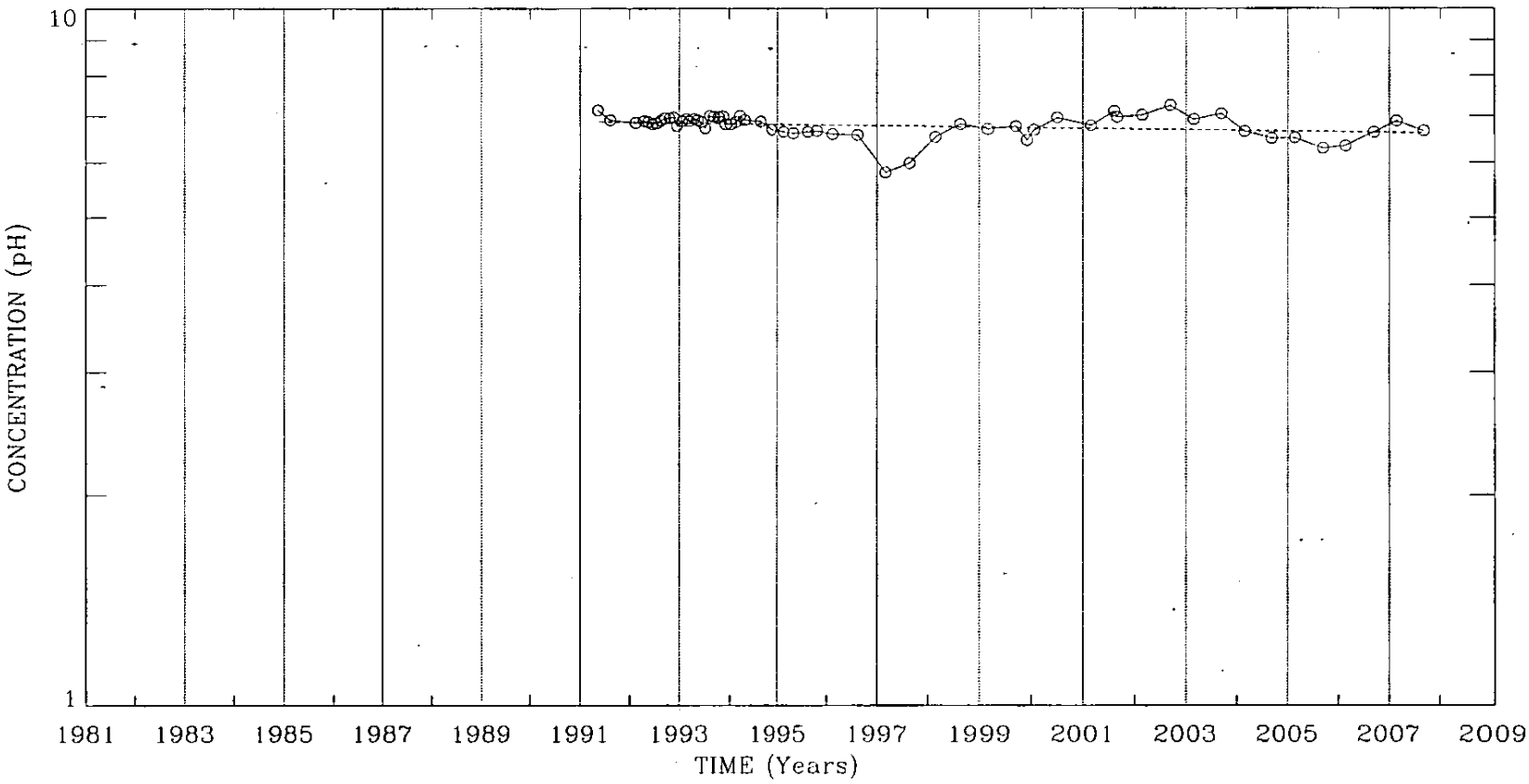

REGRESSION LINE EQUATION: $Y = 5.376E+000e^{0.0020x}$

Well AT-13 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



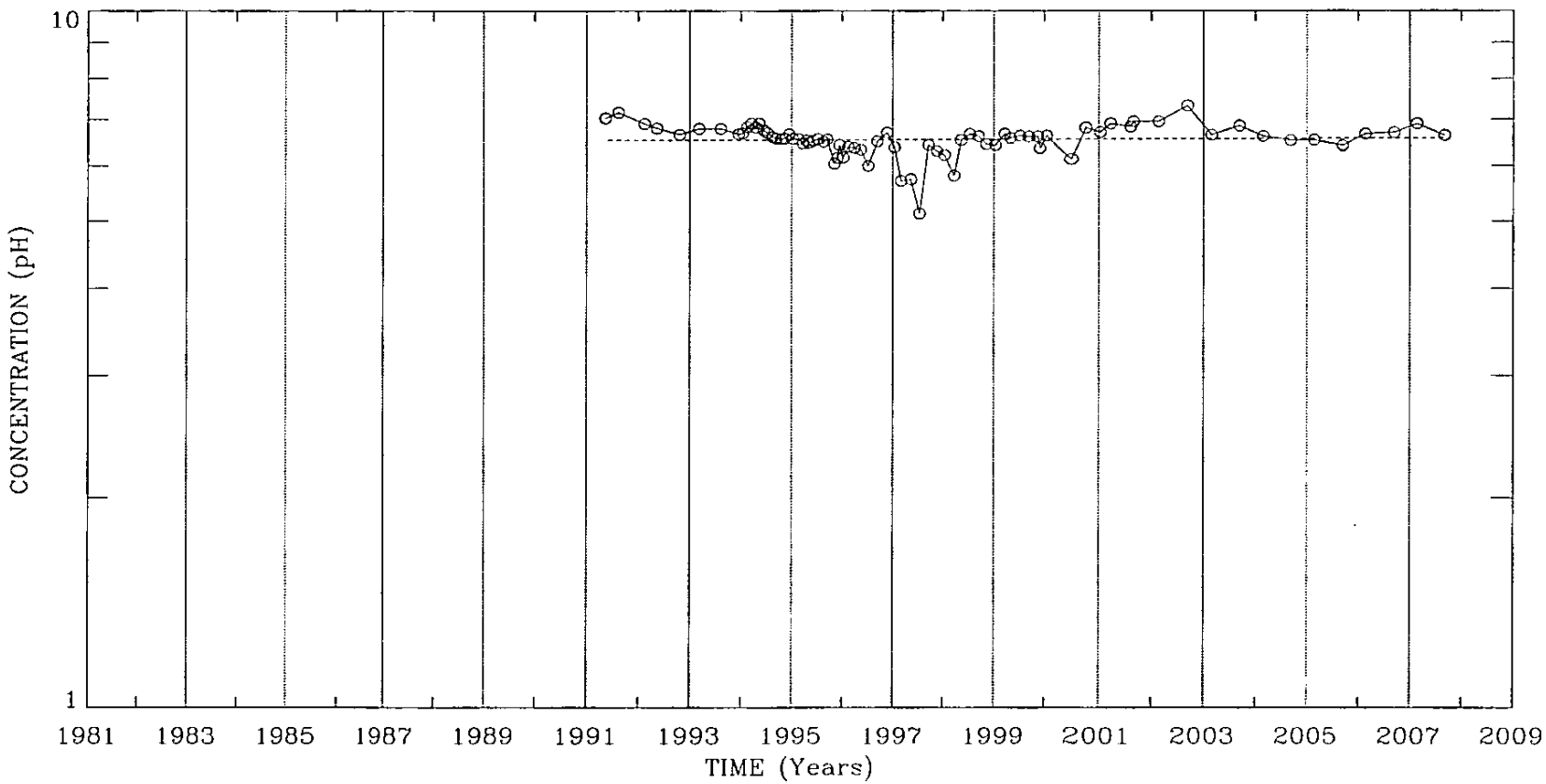

REGRESSION LINE EQUATION: $Y = 7.147E+000e^{-0.0007x}$

Well AT-14 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



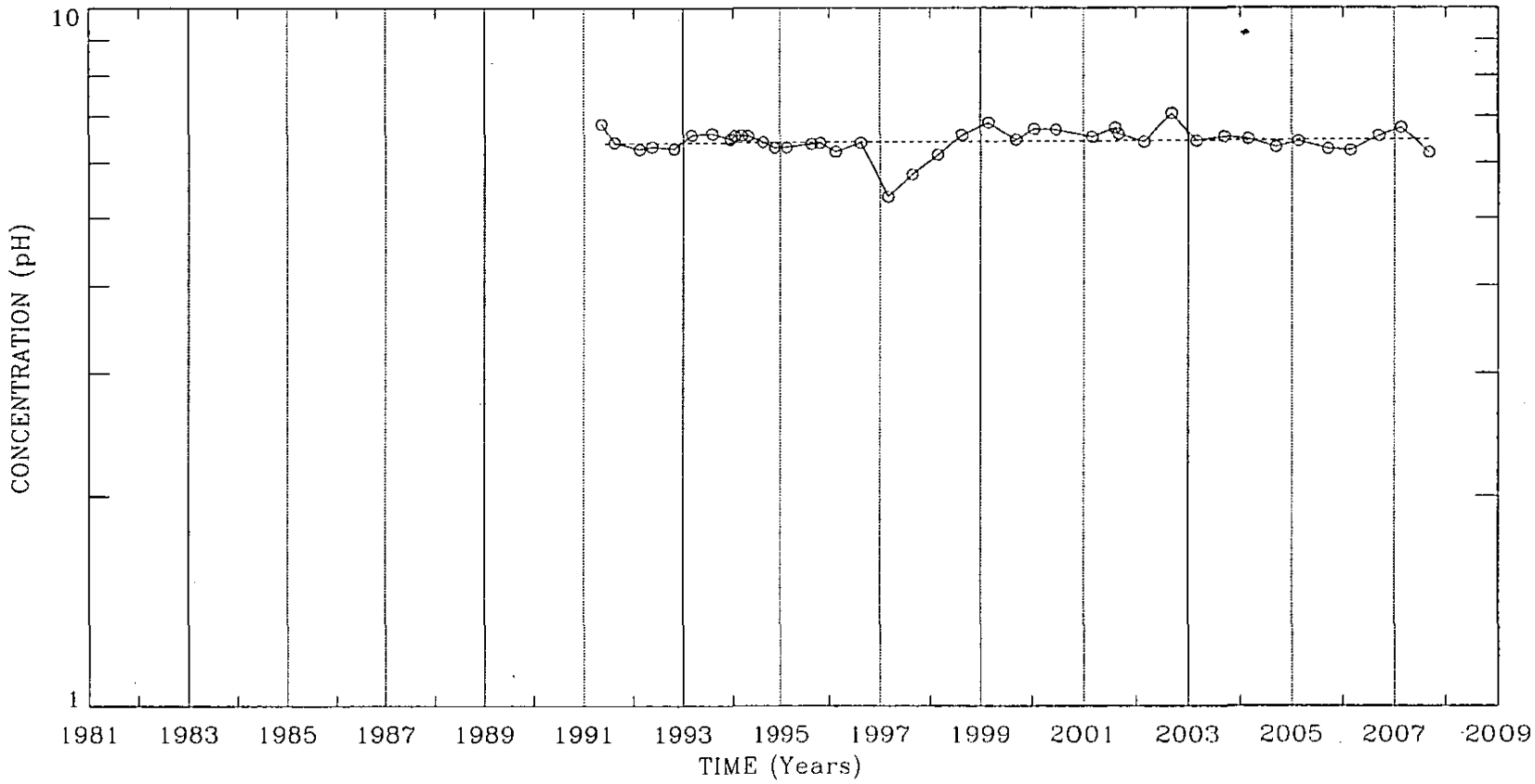

REGRESSION LINE EQUATION: $Y = 8.431E+000e^{-0.0023x}$

Well AT-15 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



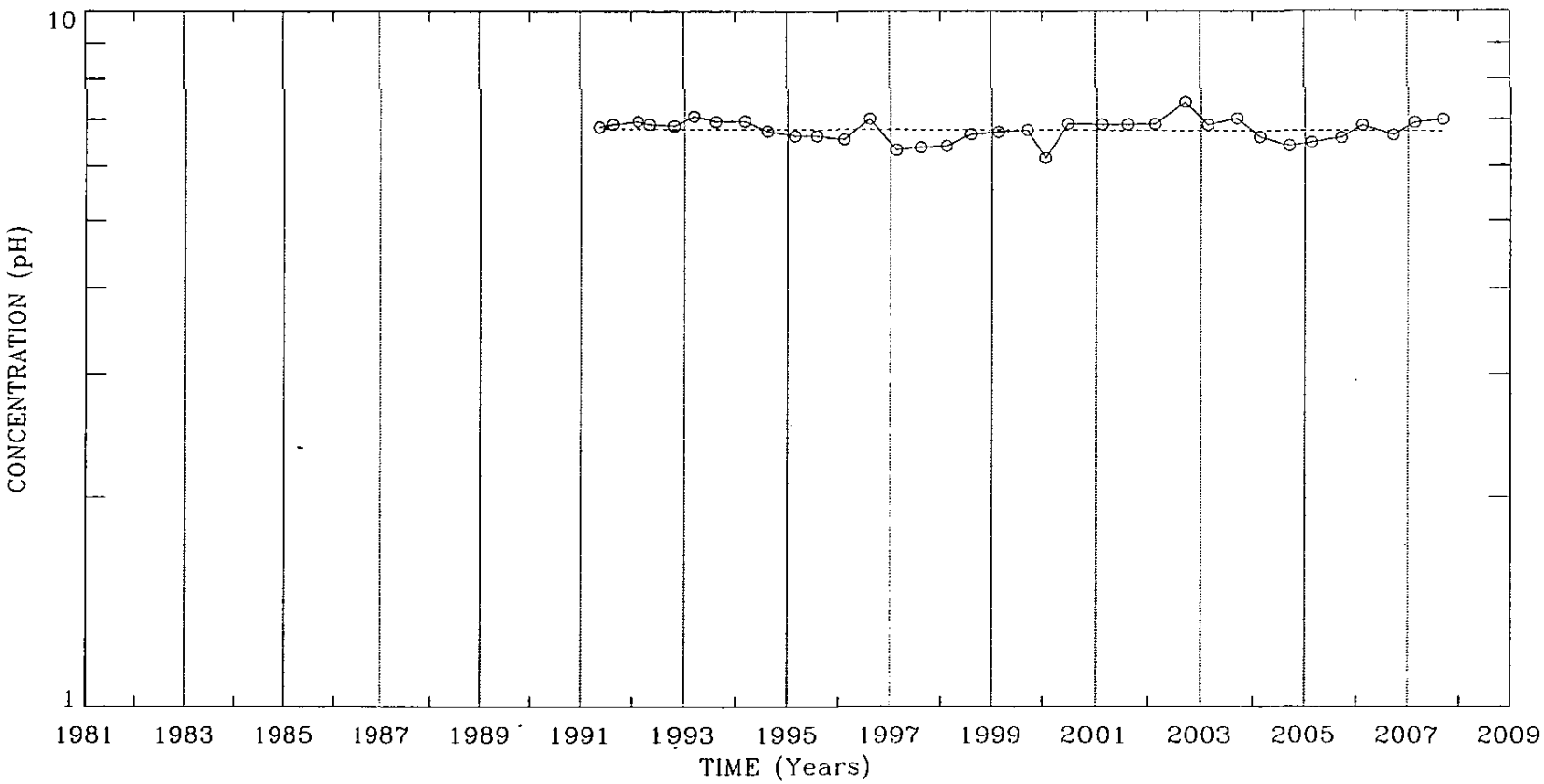

REGRESSION LINE EQUATION: $Y = 6.220E+000e^{0.0005x}$

Well AT-16 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



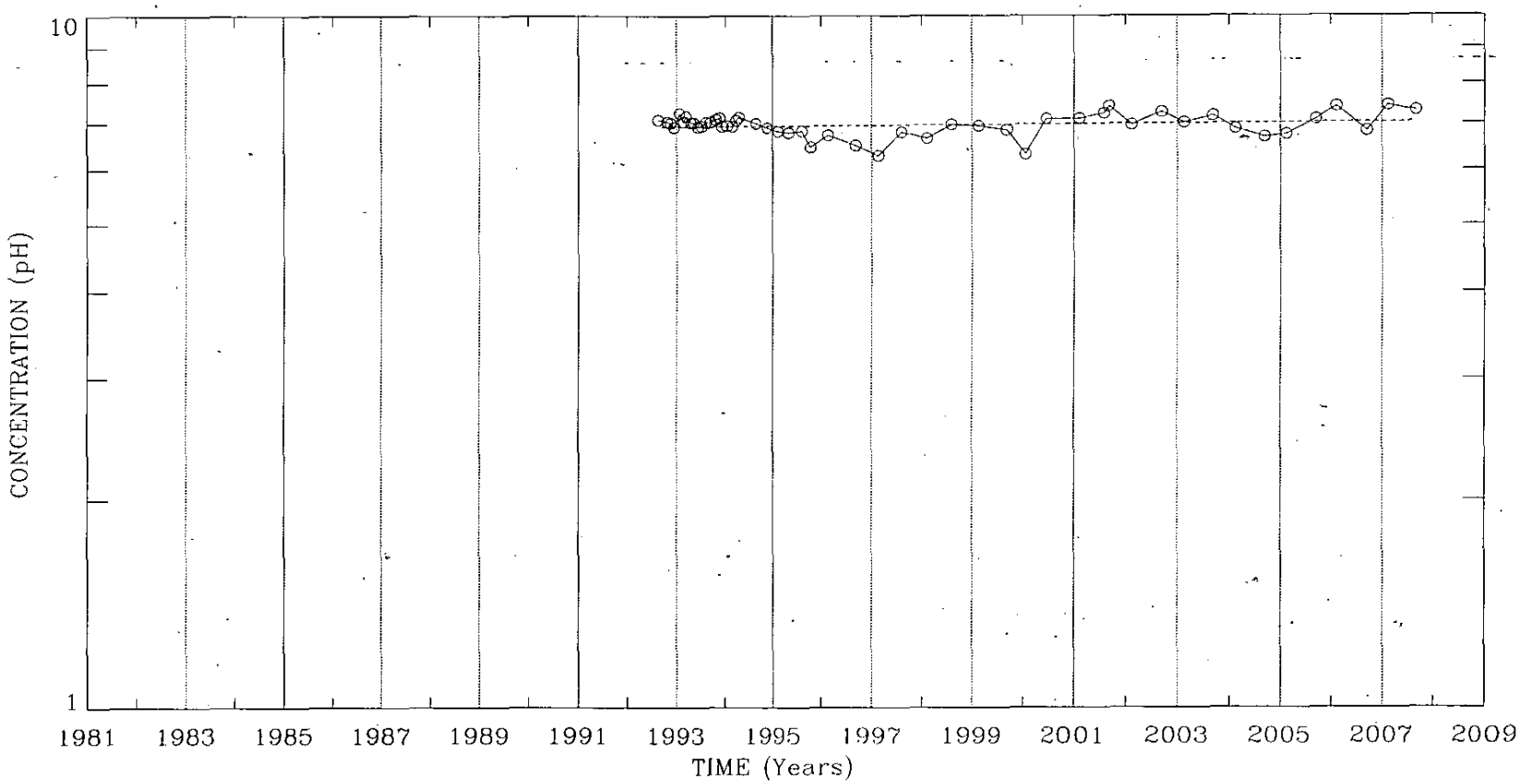

REGRESSION LINE EQUATION: $Y = 5.907E+000e^{0.0009x}$

Well AT-17 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



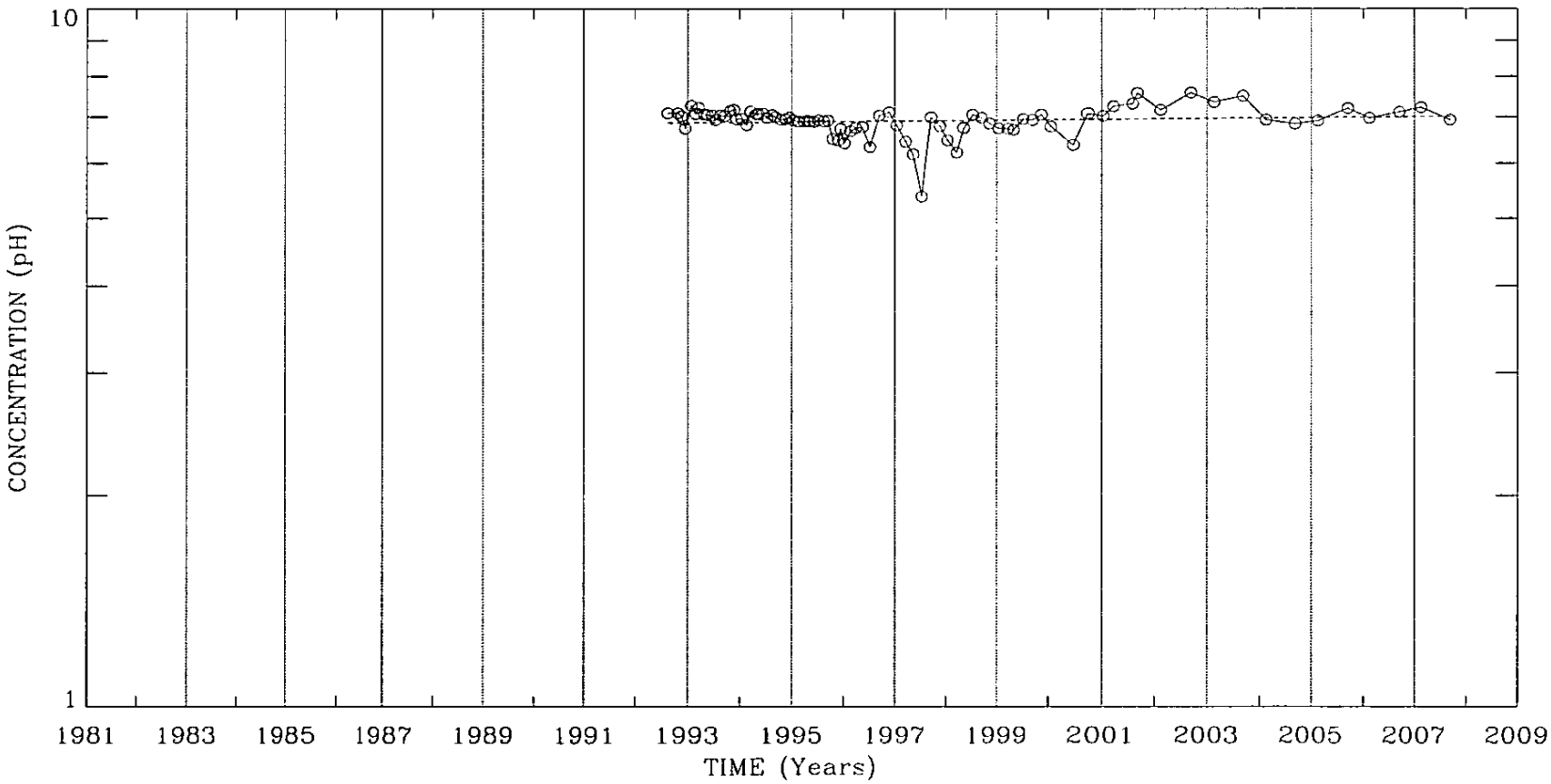

REGRESSION LINE EQUATION: $Y = 7.136E+000e^{-0.0006x}$

Well AT-18 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



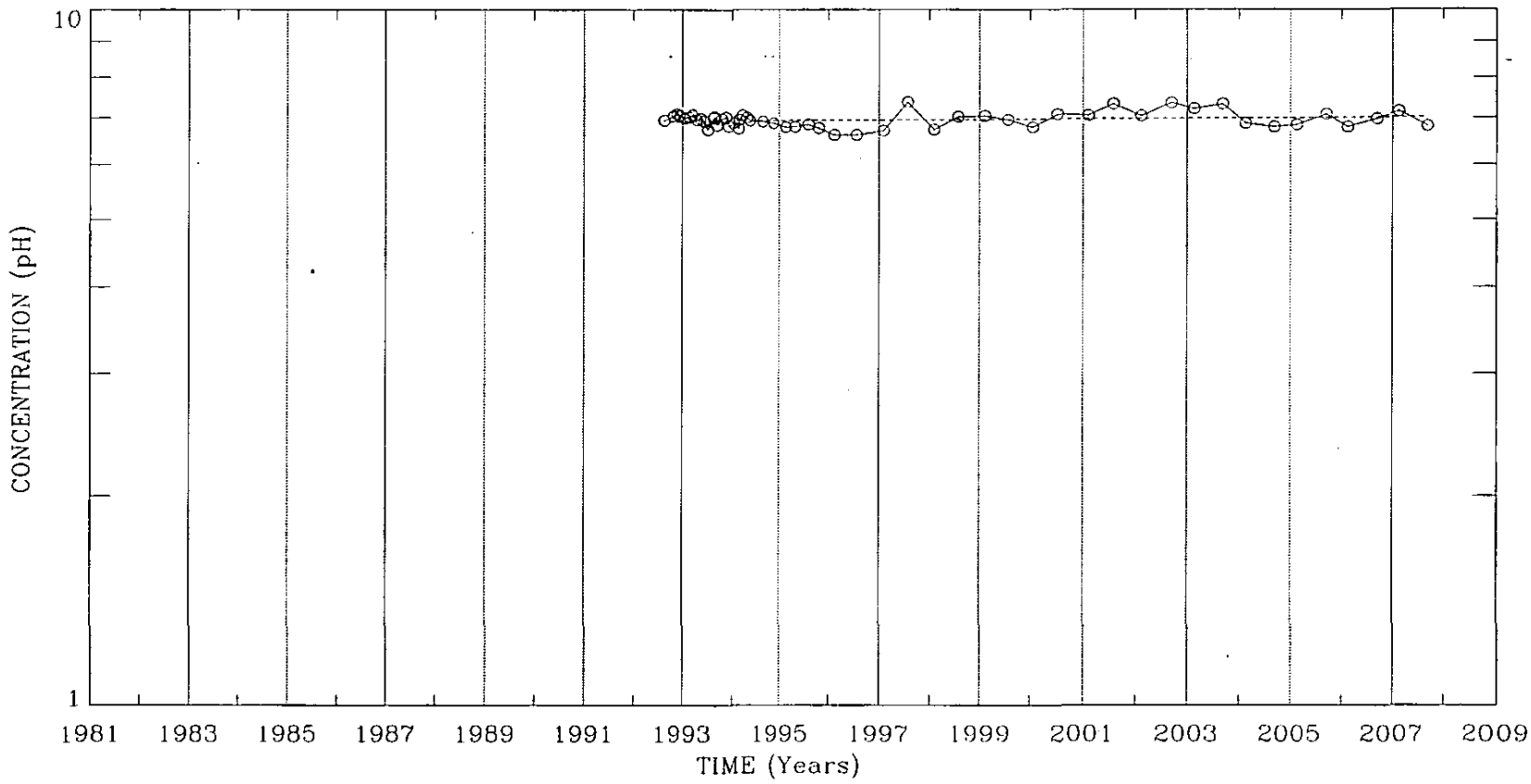

REGRESSION LINE EQUATION: $Y = 6.214E+000e^{0.0011x}$

Well AT-19 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



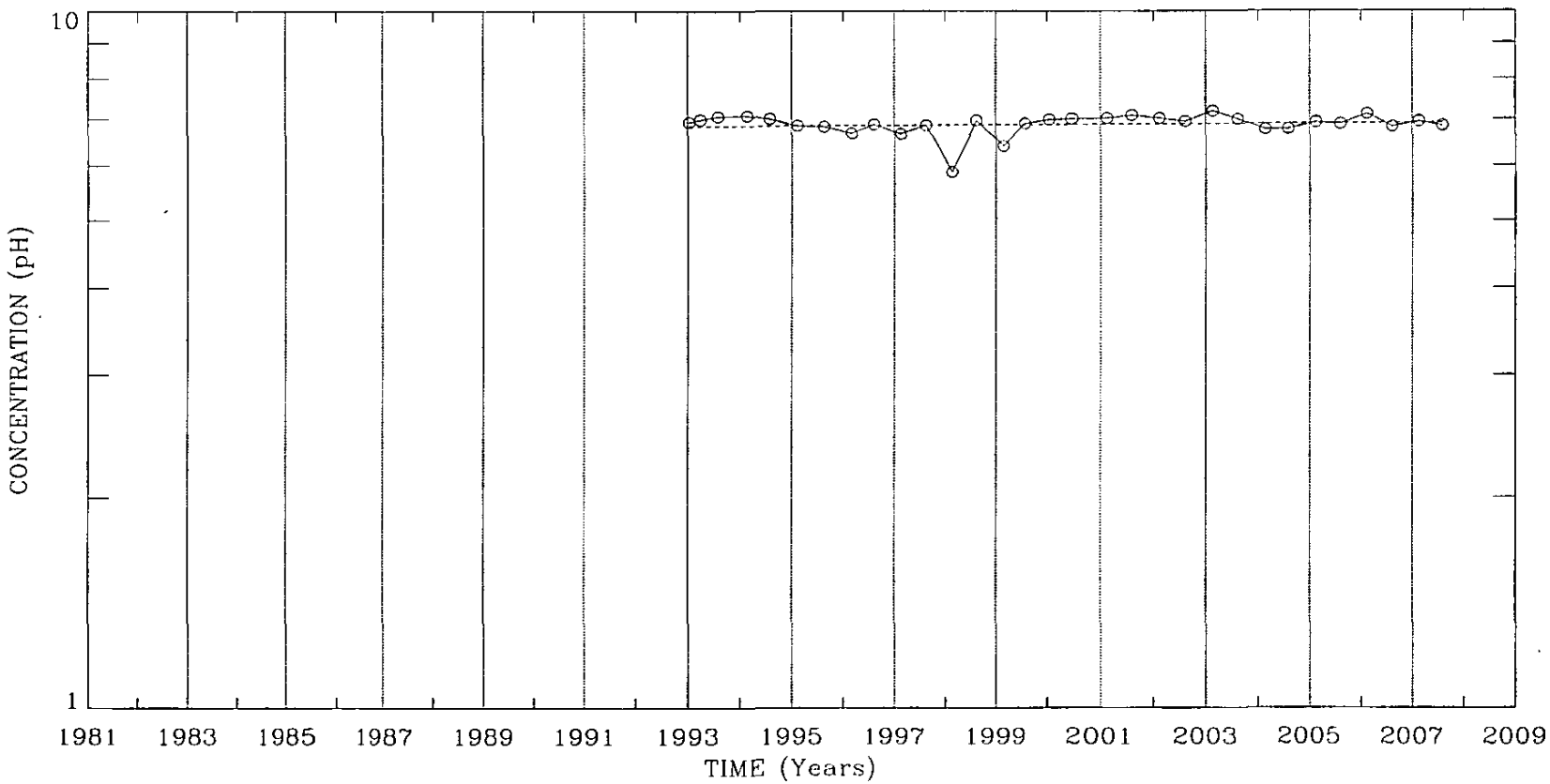

REGRESSION LINE EQUATION: $Y = 6.058E+000e^{0.0014x}$

Well AT-20 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



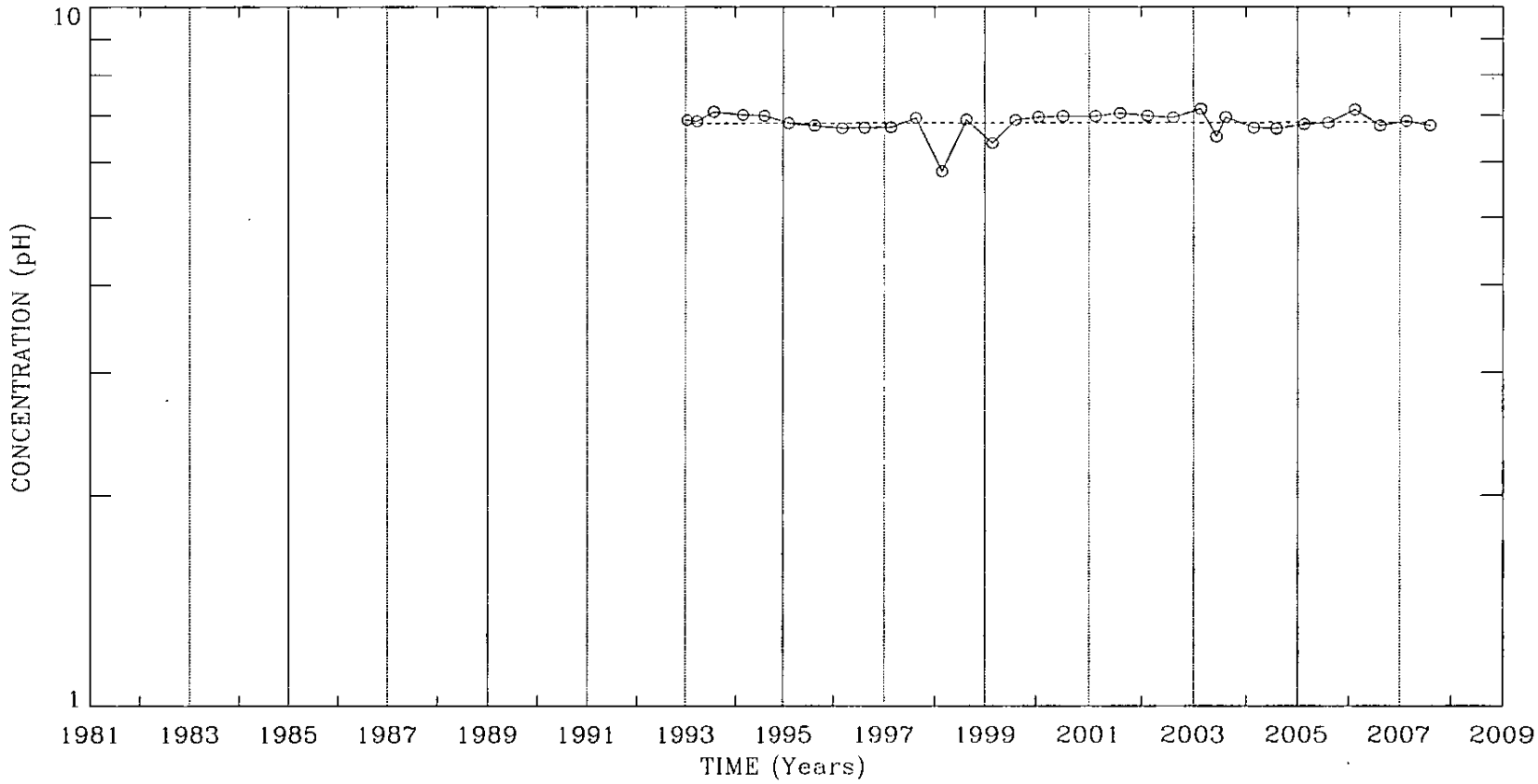

REGRESSION LINE EQUATION: $Y = 6.331E+000e^{0.0010x}$

Well AT-21 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



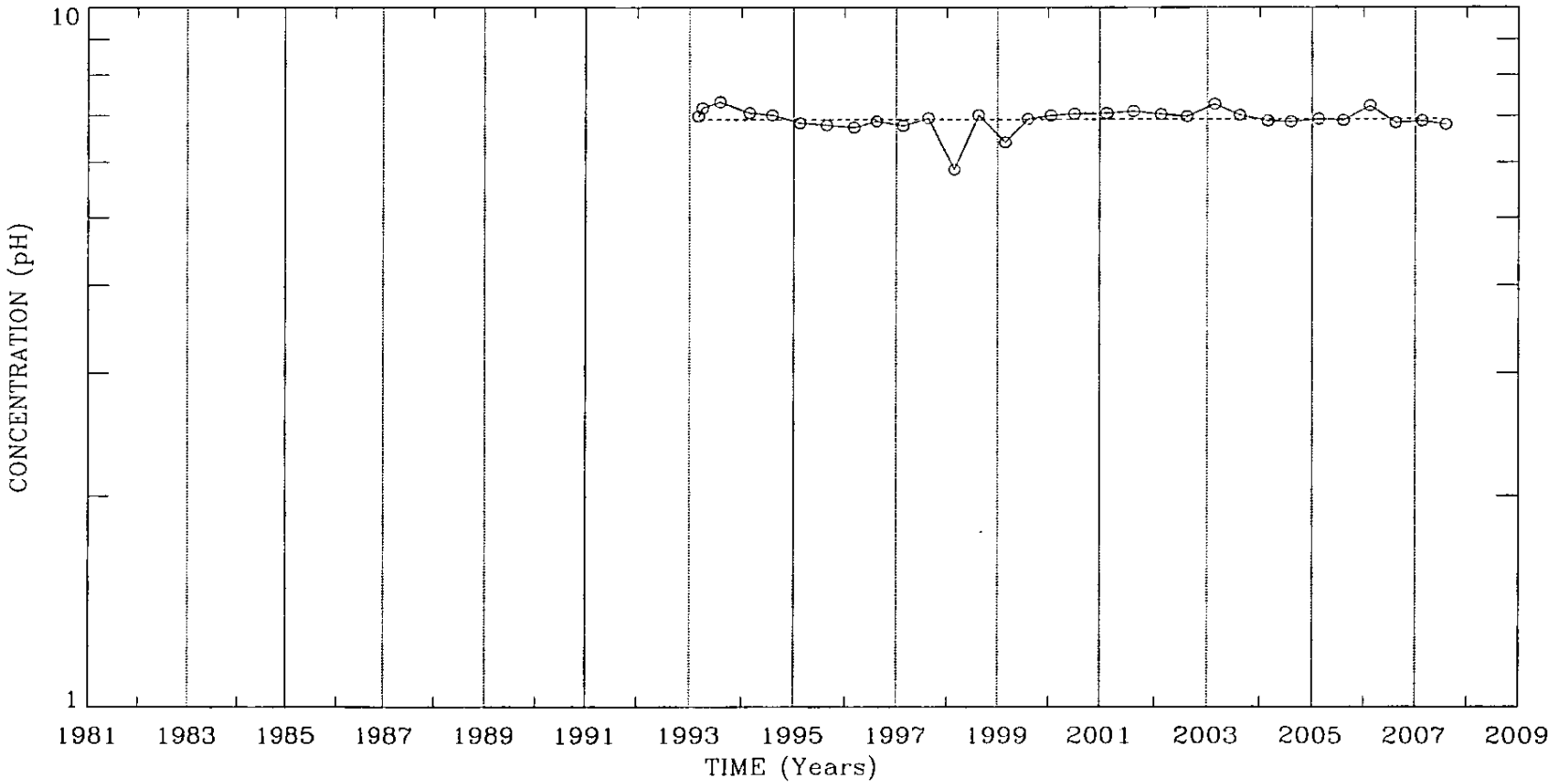

REGRESSION LINE EQUATION: $Y = 6.365E+000e^{0.0008x}$

Well AT-22 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



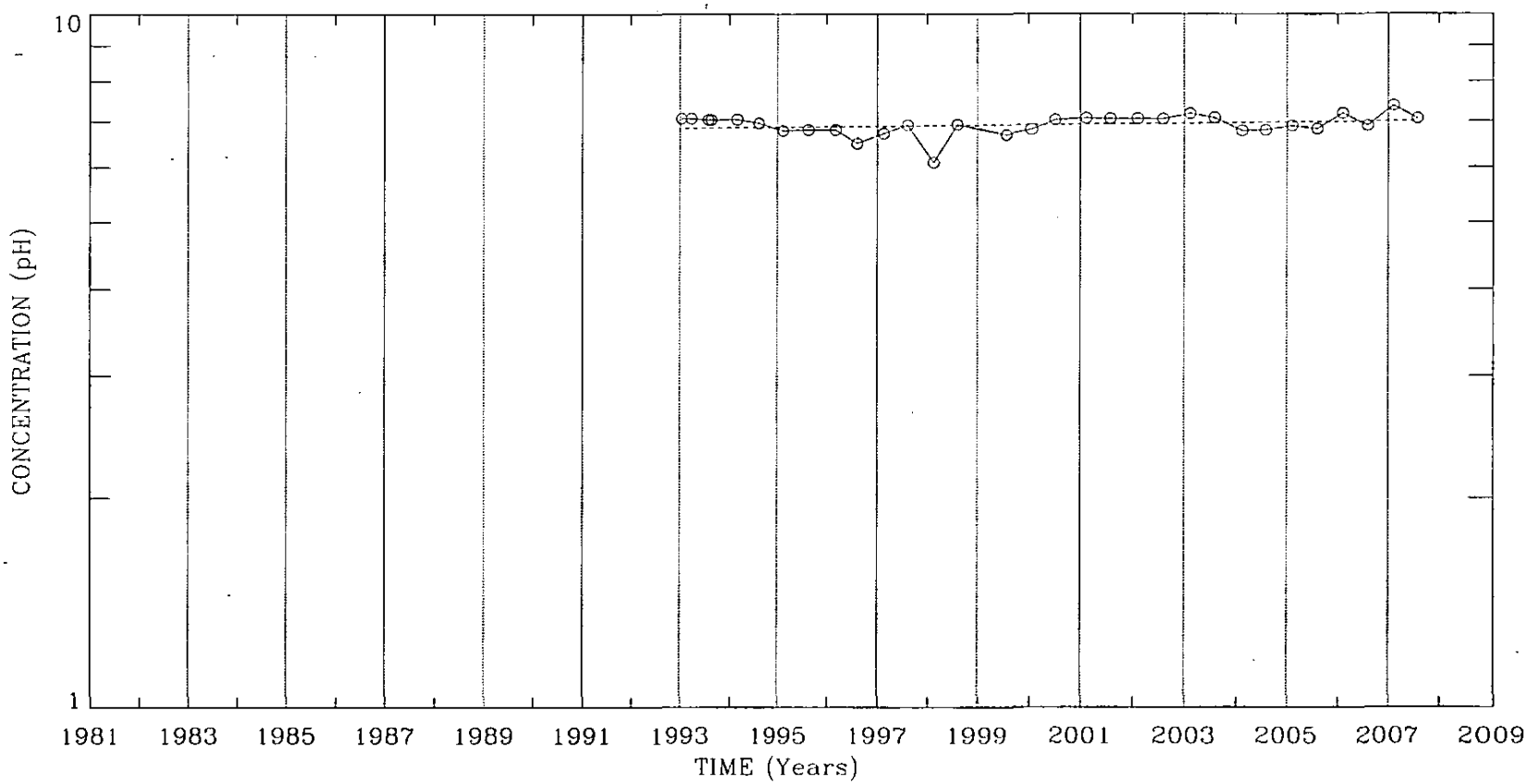

REGRESSION LINE EQUATION: $Y = 6.664E+000e^{0.0002x}$

Well AT-23 UNIT 8
PH
Clean Harbors Baton Rouge, LLC



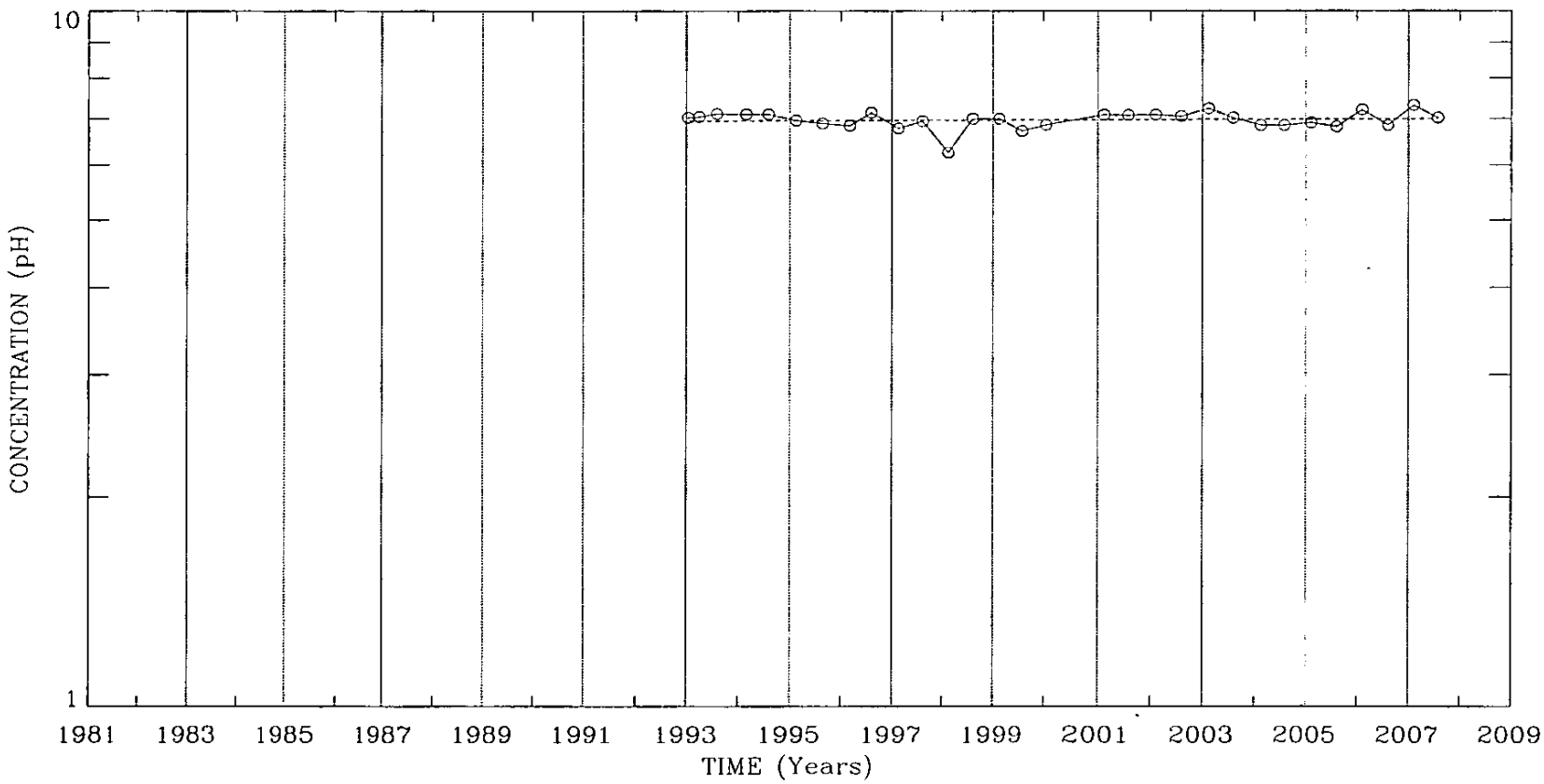

REGRESSION LINE EQUATION: $Y = 6.787E+000e^{0.0002x}$

Well AT-24 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



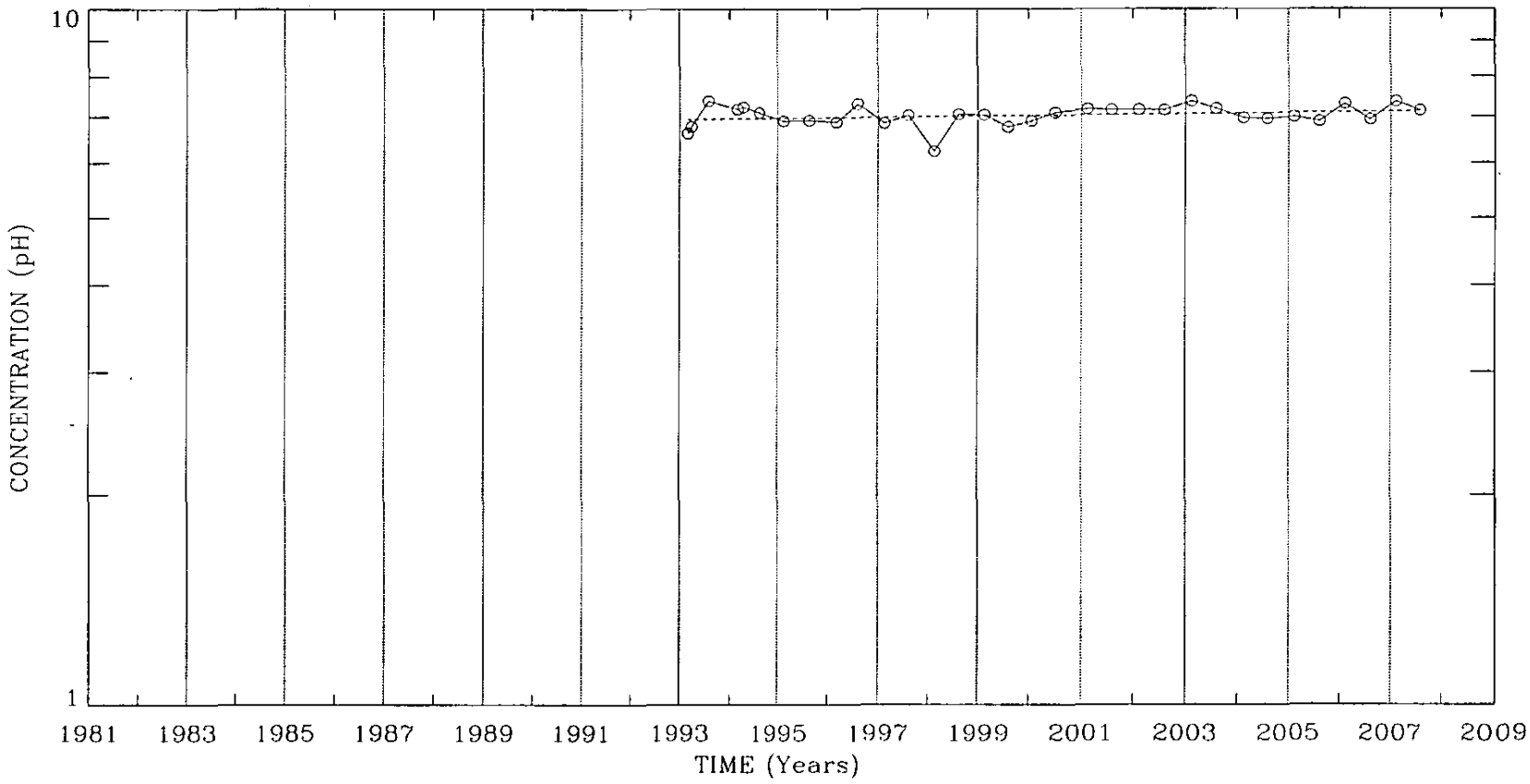

REGRESSION LINE EQUATION: $Y = 5.865E+000e^{0.0017x}$

Well AT-25 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



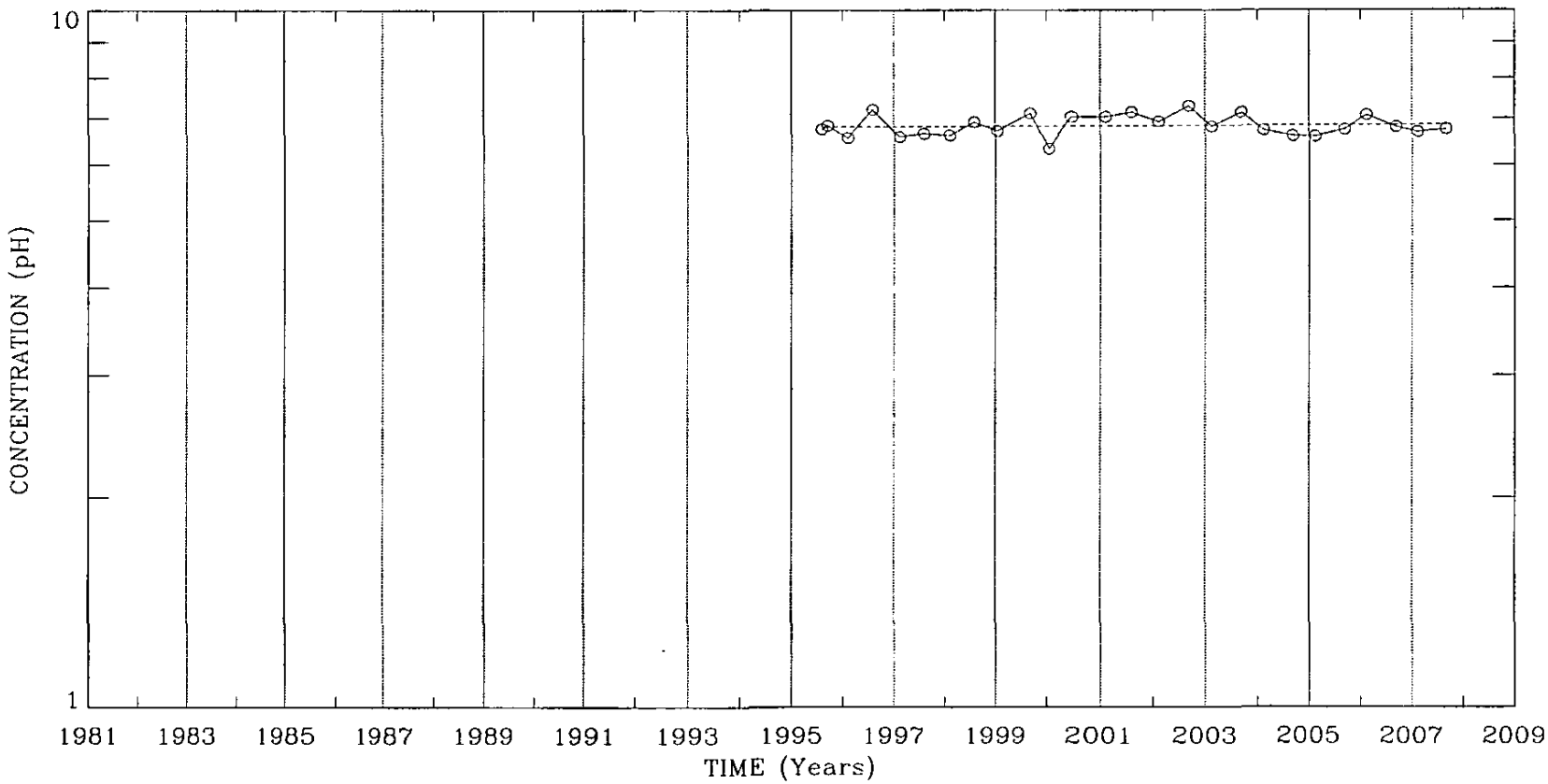

REGRESSION LINE EQUATION: $Y = 6.608E+000e^{0.0005x}$

Well AT-26 UNIT 8
PH
Clean Harbors Baton Rouge, LLC



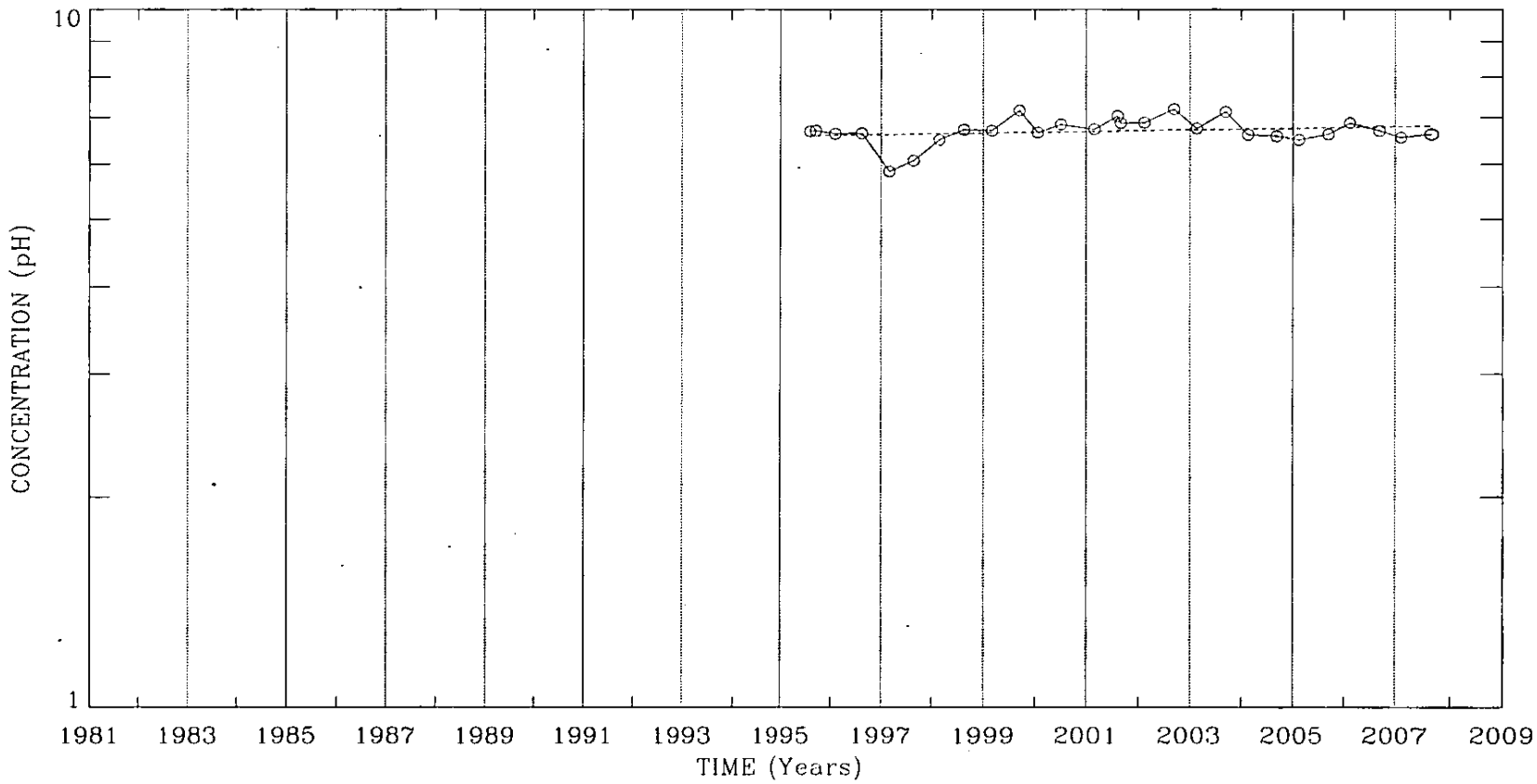

REGRESSION LINE EQUATION: $Y = 5.829E+000e^{0.0019x}$

Well AT-27 UNIT 8
PH
Clean Harbors Baton Rouge, LLC



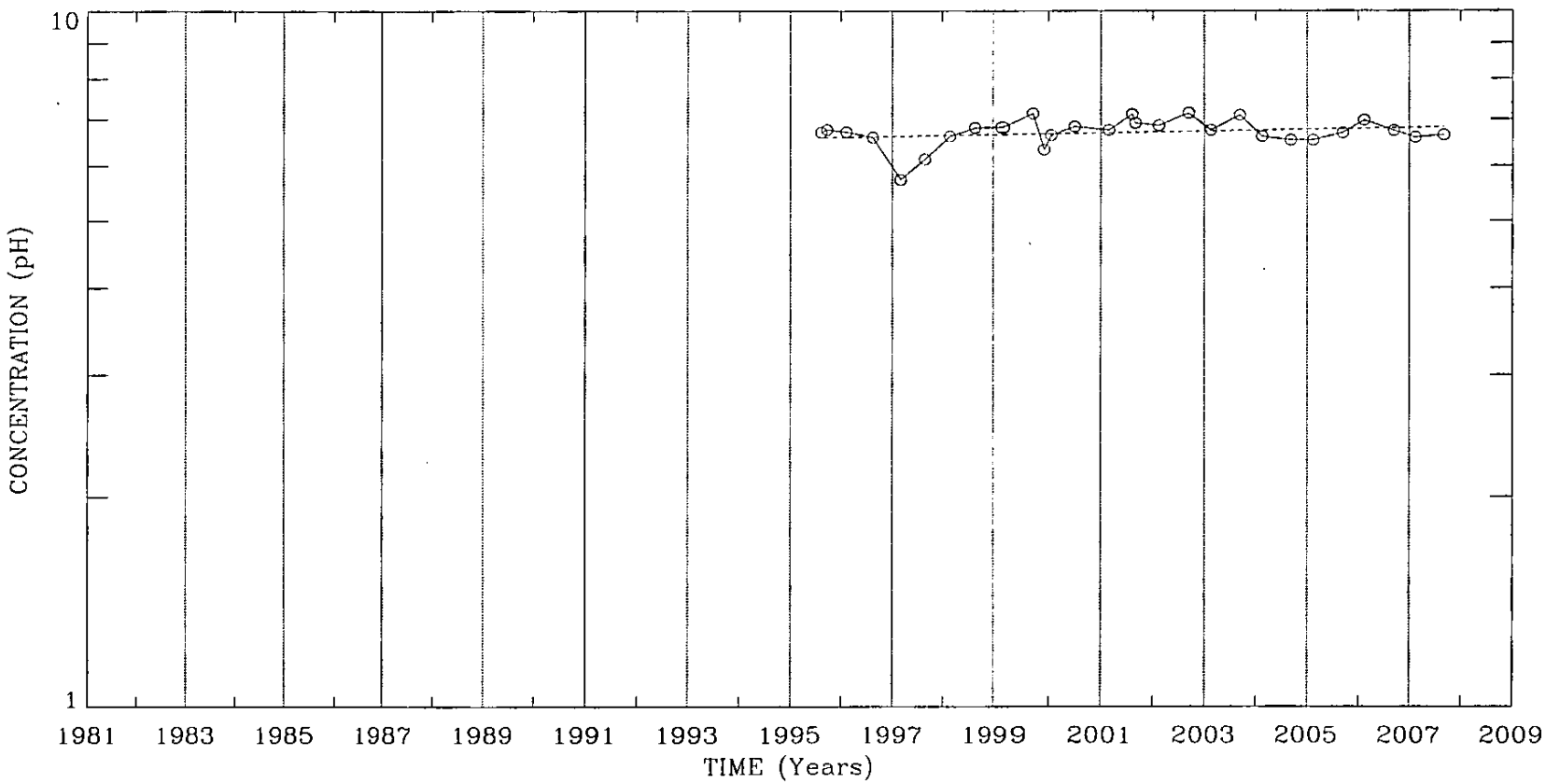

REGRESSION LINE EQUATION: $Y = 6.438E+000e^{0.0006x}$

Well AT-28 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



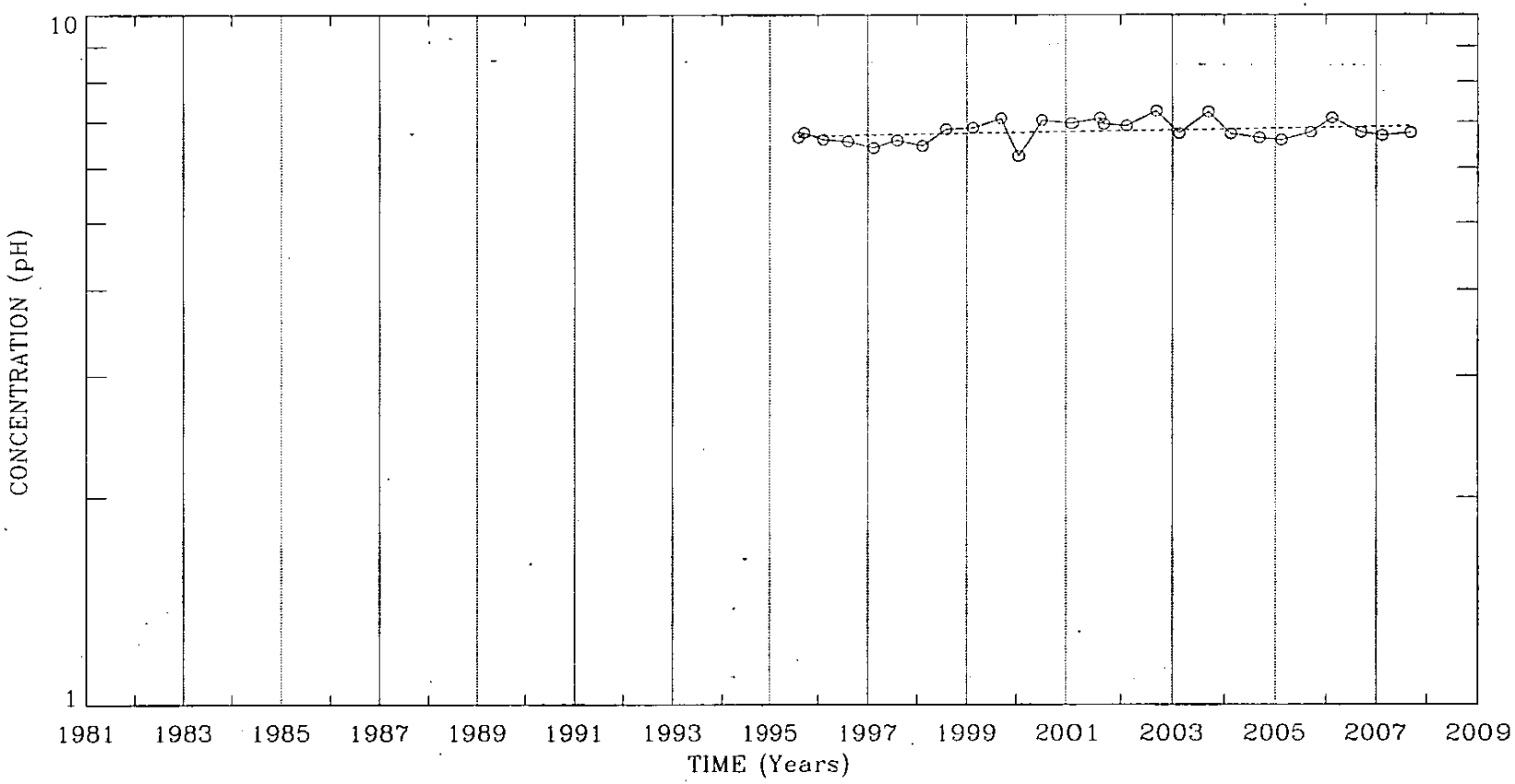

REGRESSION LINE EQUATION: $Y = 5.116E+000e^{0.0026x}$

Well AT-29 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



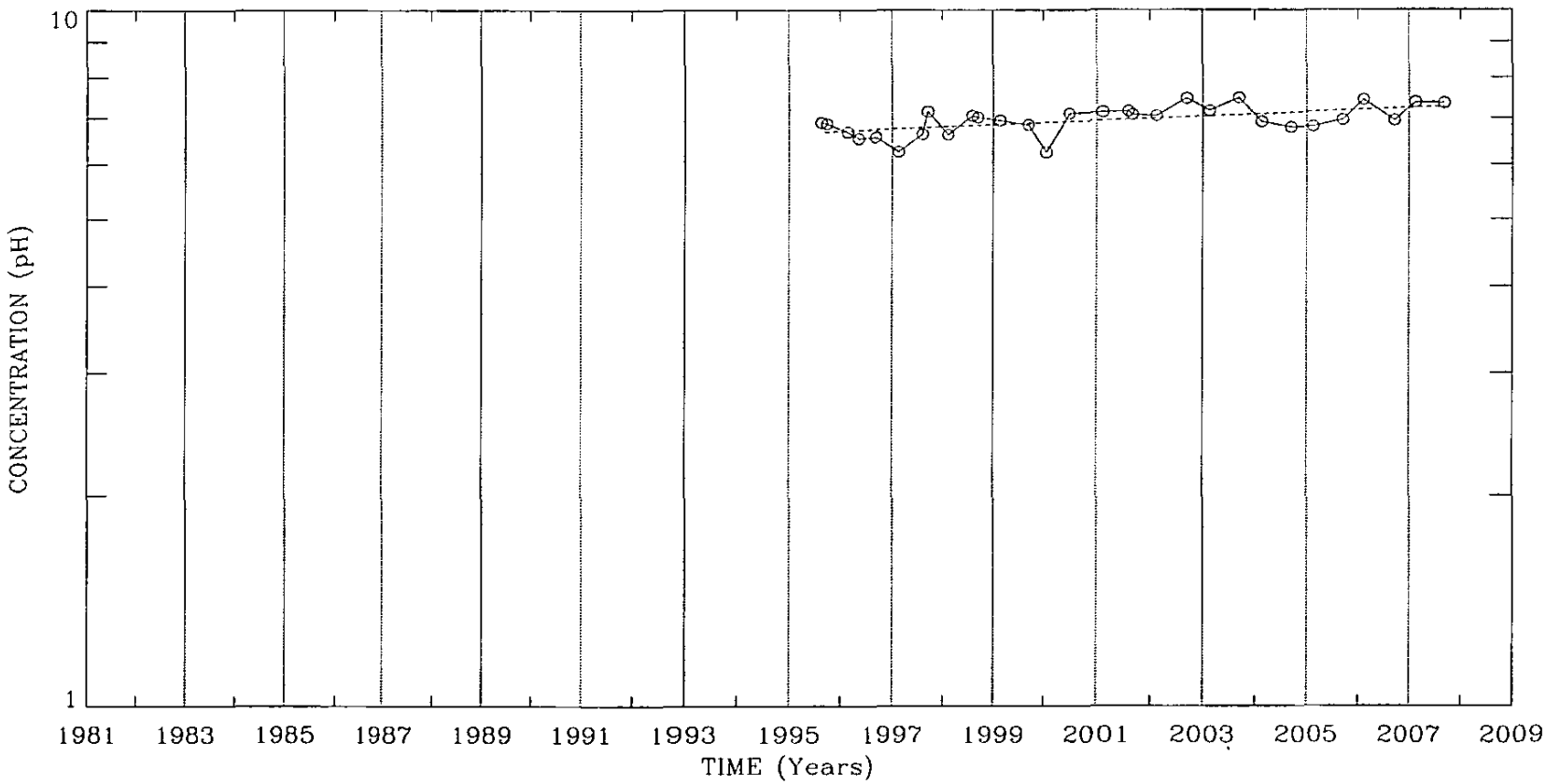

REGRESSION LINE EQUATION: $Y = 4.984E+000e^{0.0029x}$

Well AT-30 UNIT 8
PH
Clean Harbors Baton Rouge, LLC



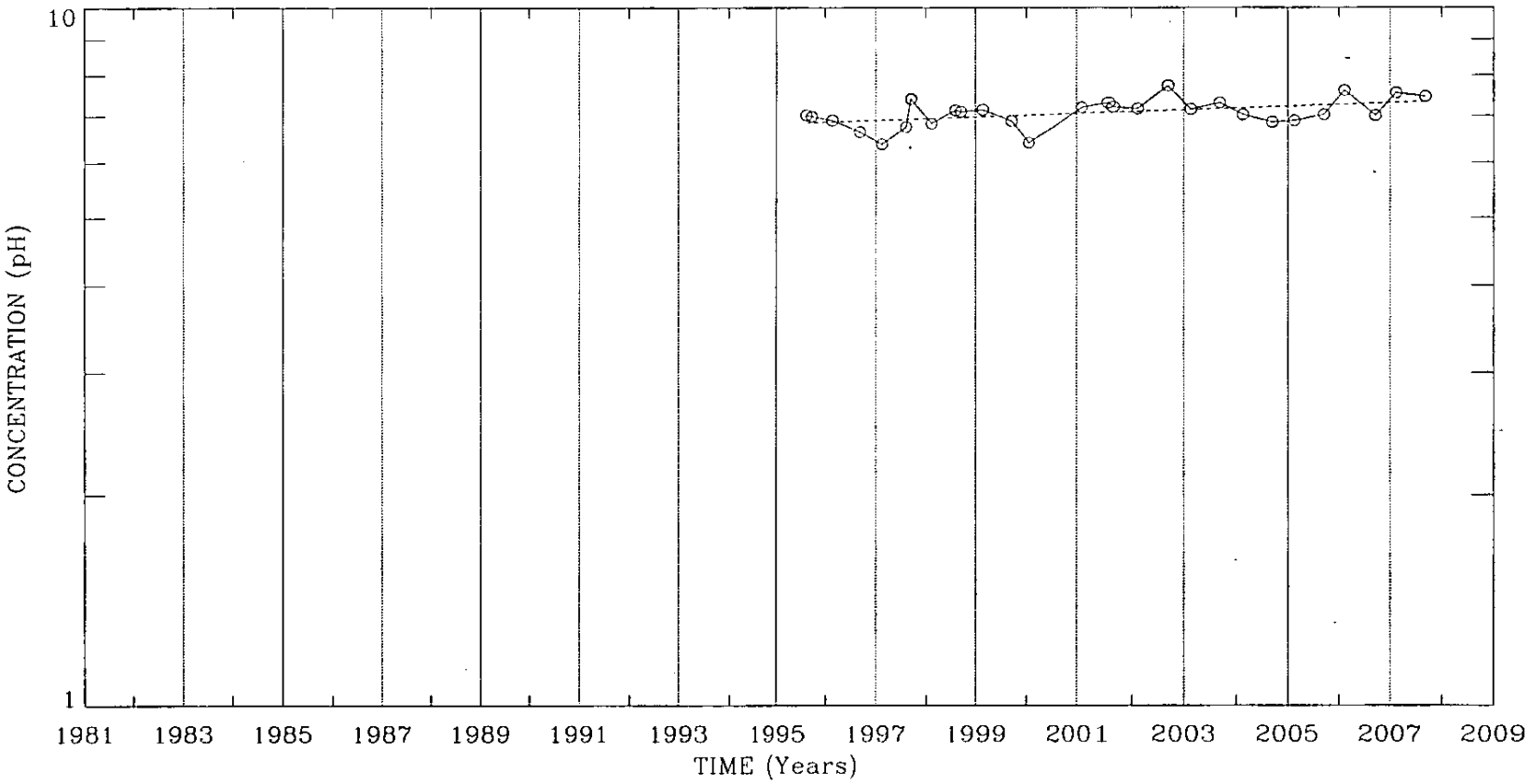

REGRESSION LINE EQUATION: $Y = 5.081E+000e^{0.0028x}$

Well AT-31 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



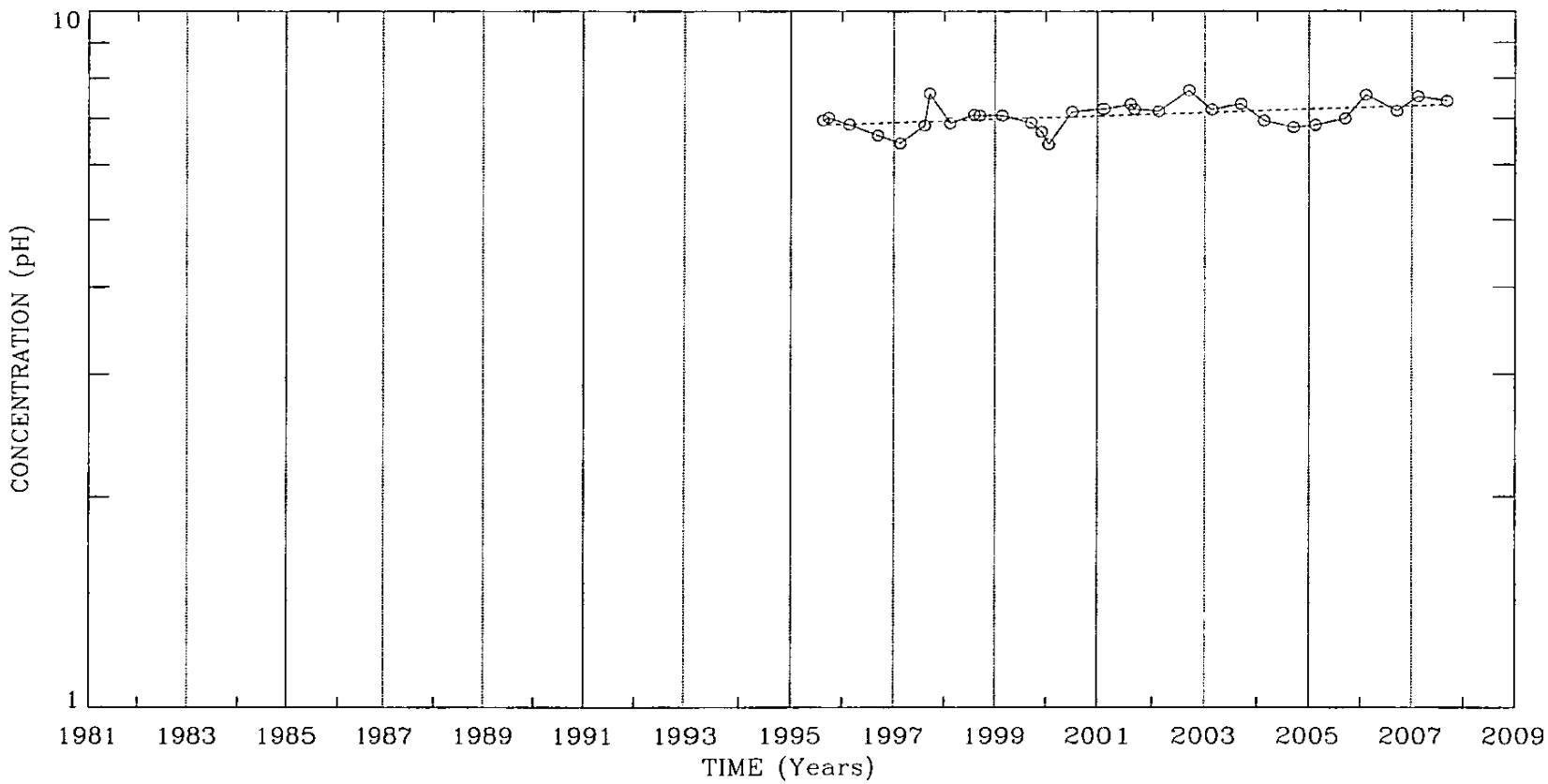

REGRESSION LINE EQUATION: $Y = 3.452E+000e^{0.0069x}$

Well AT-32 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



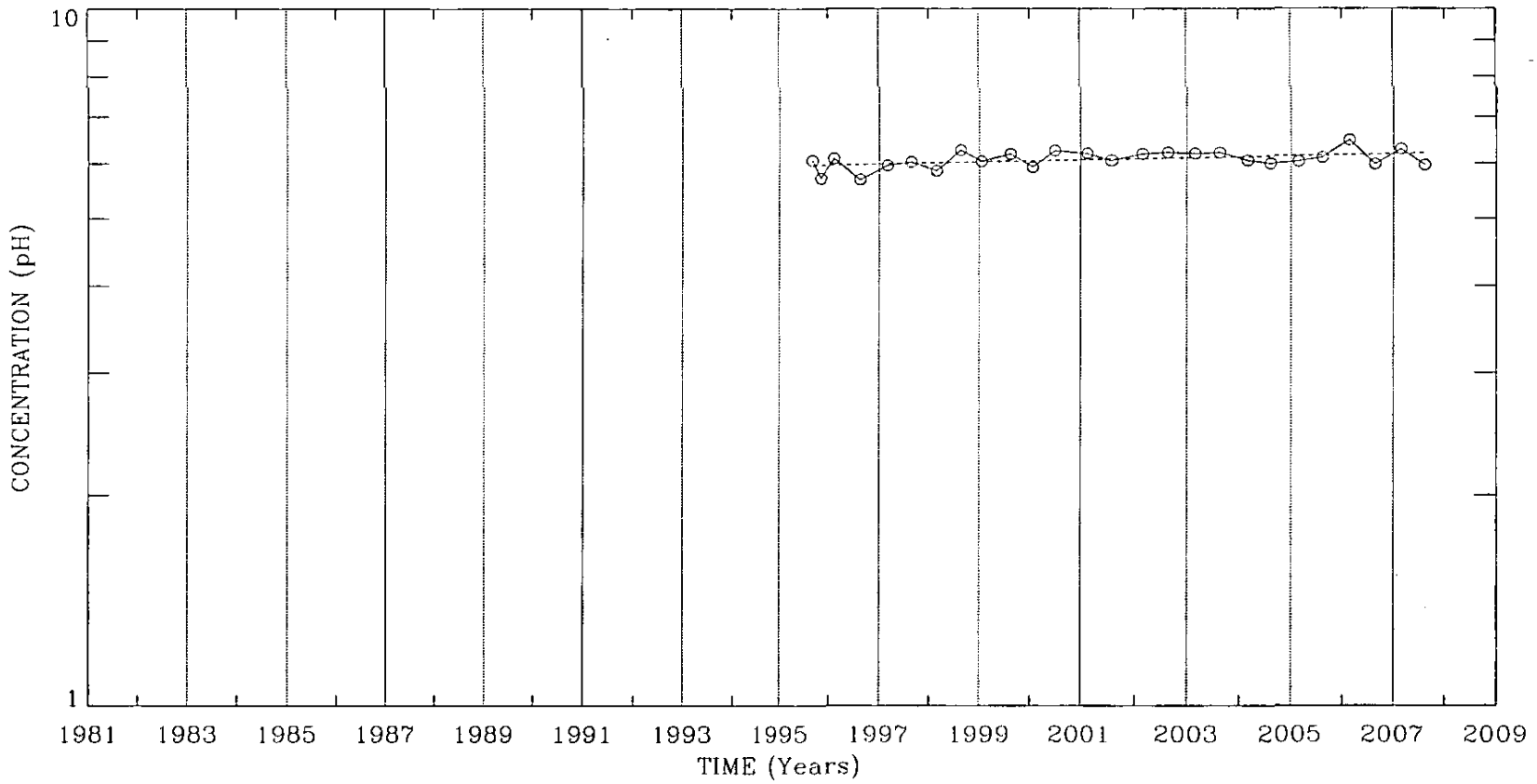

REGRESSION LINE EQUATION: $Y = 3.918E+000e^{0.0058x}$

Well AT-33 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



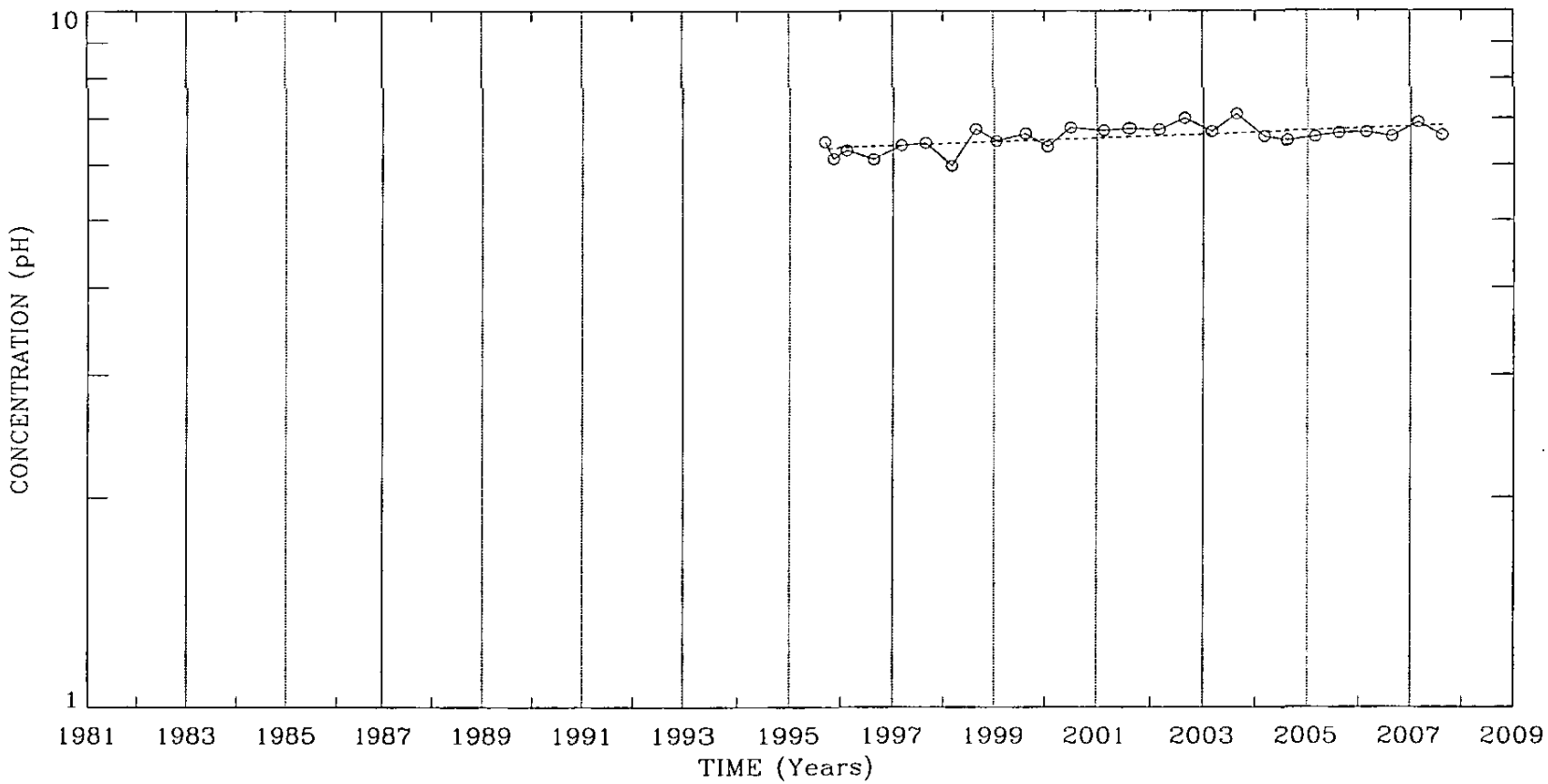

REGRESSION LINE EQUATION: $Y = 4.017E+000e^{0.0056x}$

Well AT-34 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



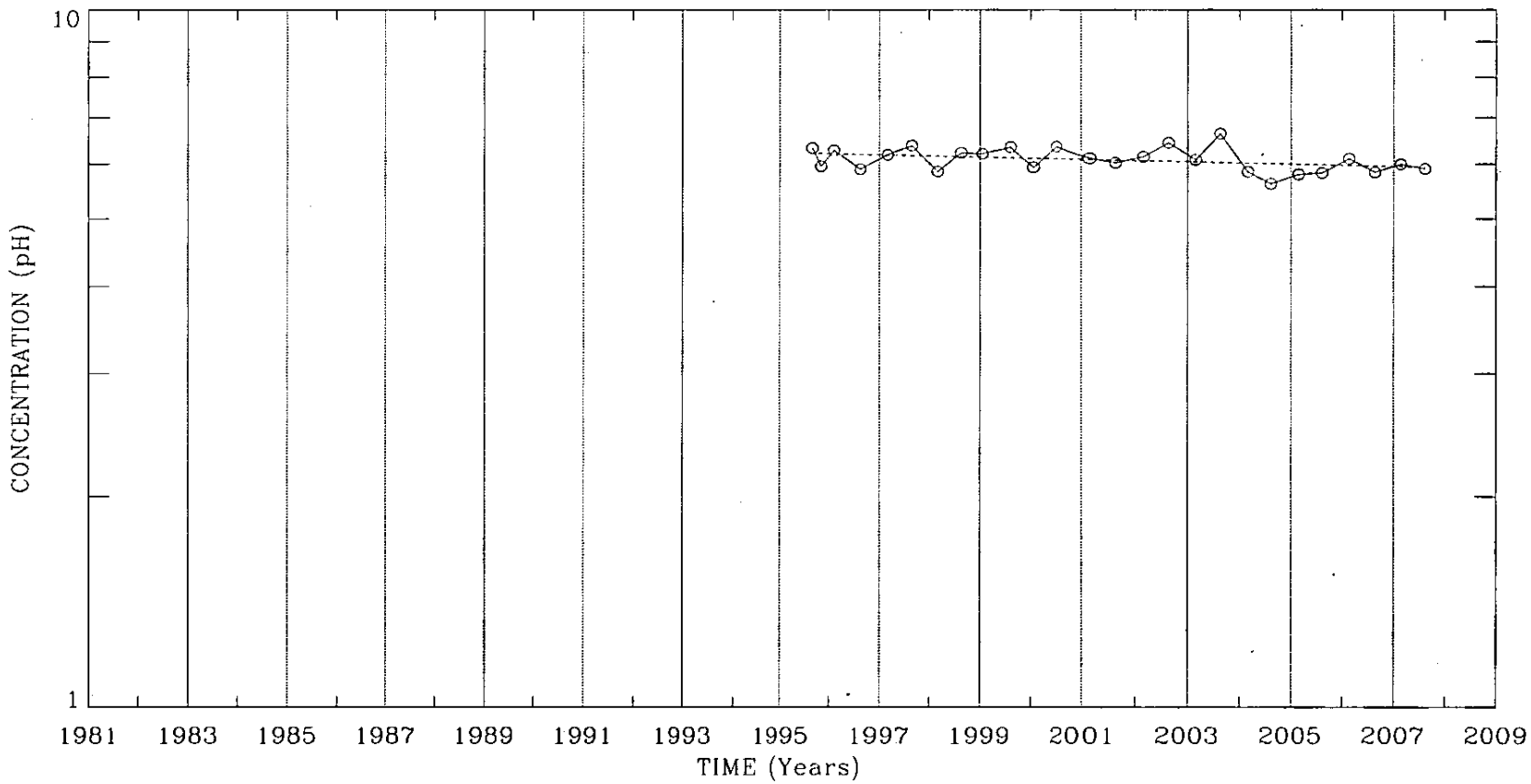

REGRESSION LINE EQUATION: $Y = 4.357E+000e^{0.0033x}$

Well AT-35 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



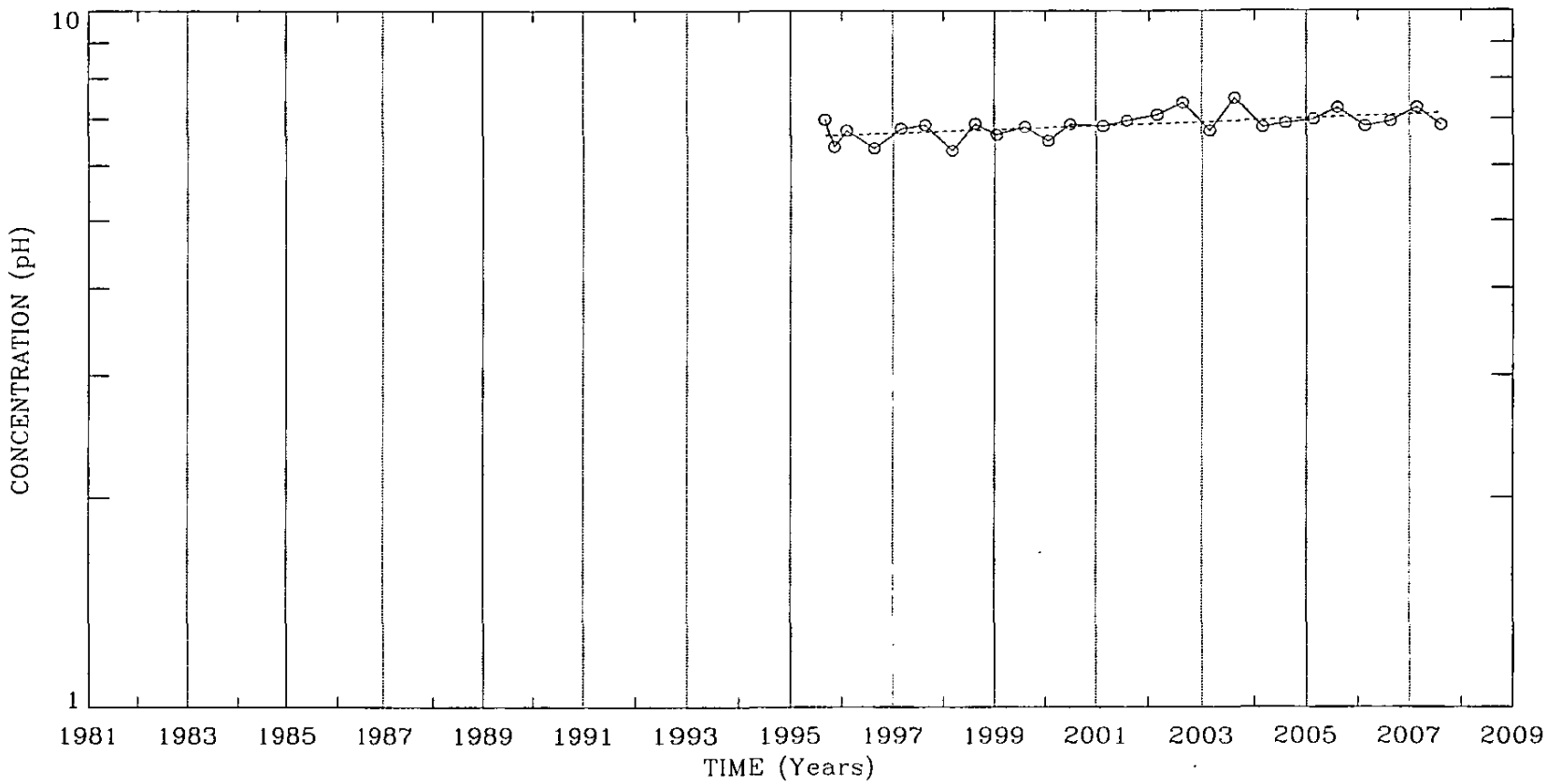

REGRESSION LINE EQUATION: $Y = 3.502E+000e^{0.0062x}$

Well AT-36 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



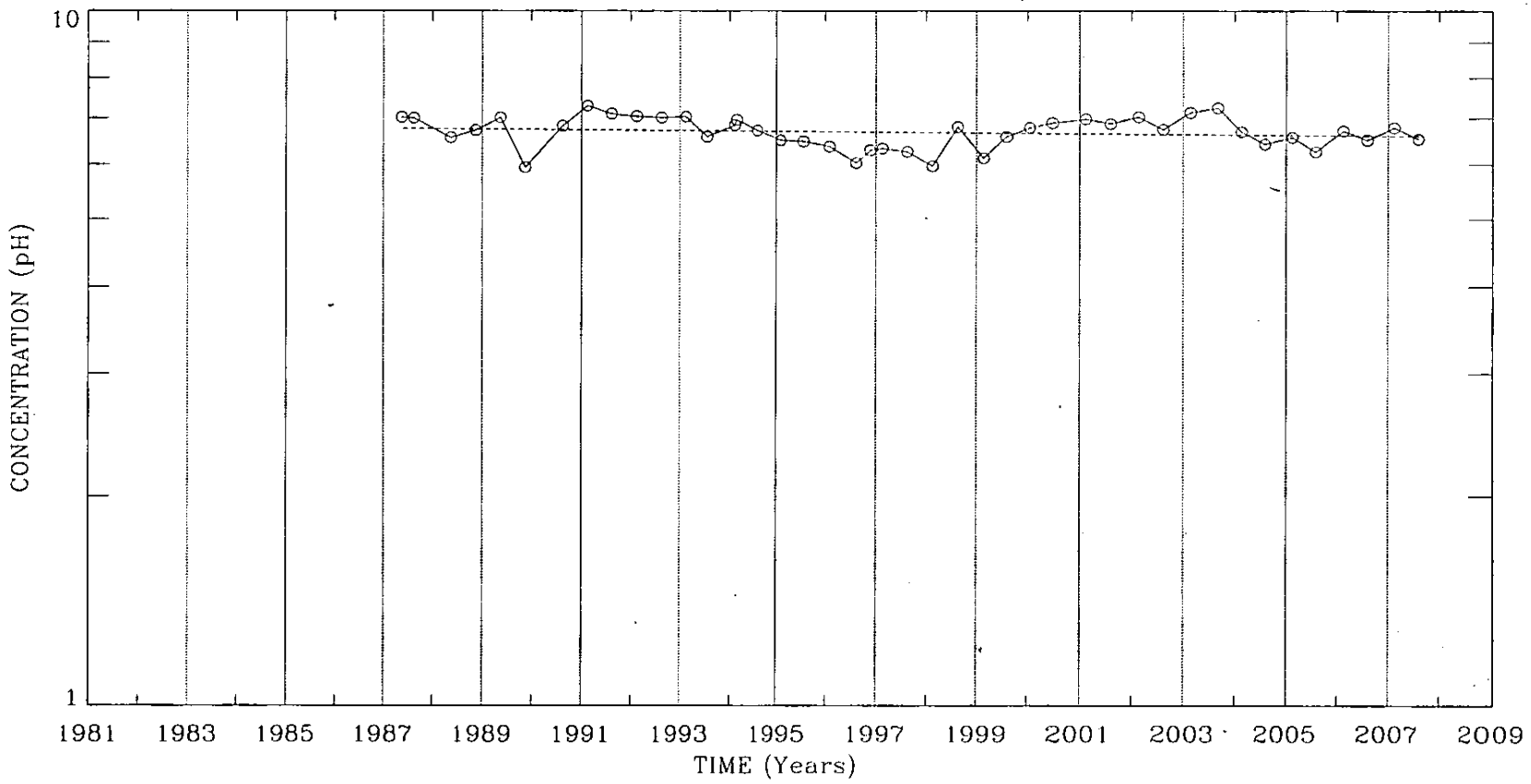

REGRESSION LINE EQUATION: $Y = 8.973E+000e^{-0.0038x}$

Well AT-37 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



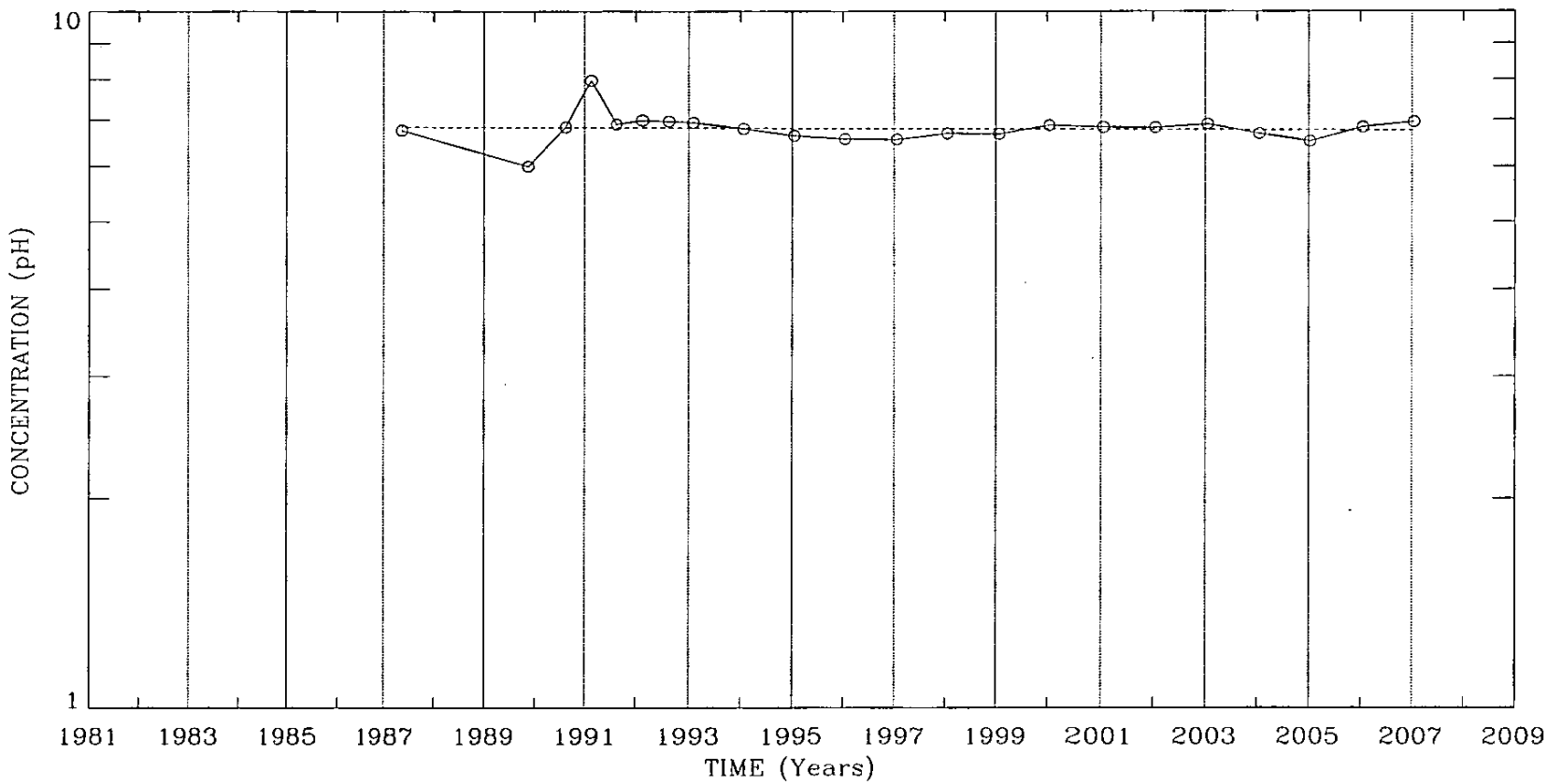

REGRESSION LINE EQUATION: $Y = 3.673E+000e^{0.0062x}$

Well DM-03 UNIT 6
PH
Clean Harbors Baton Rouge, LLC



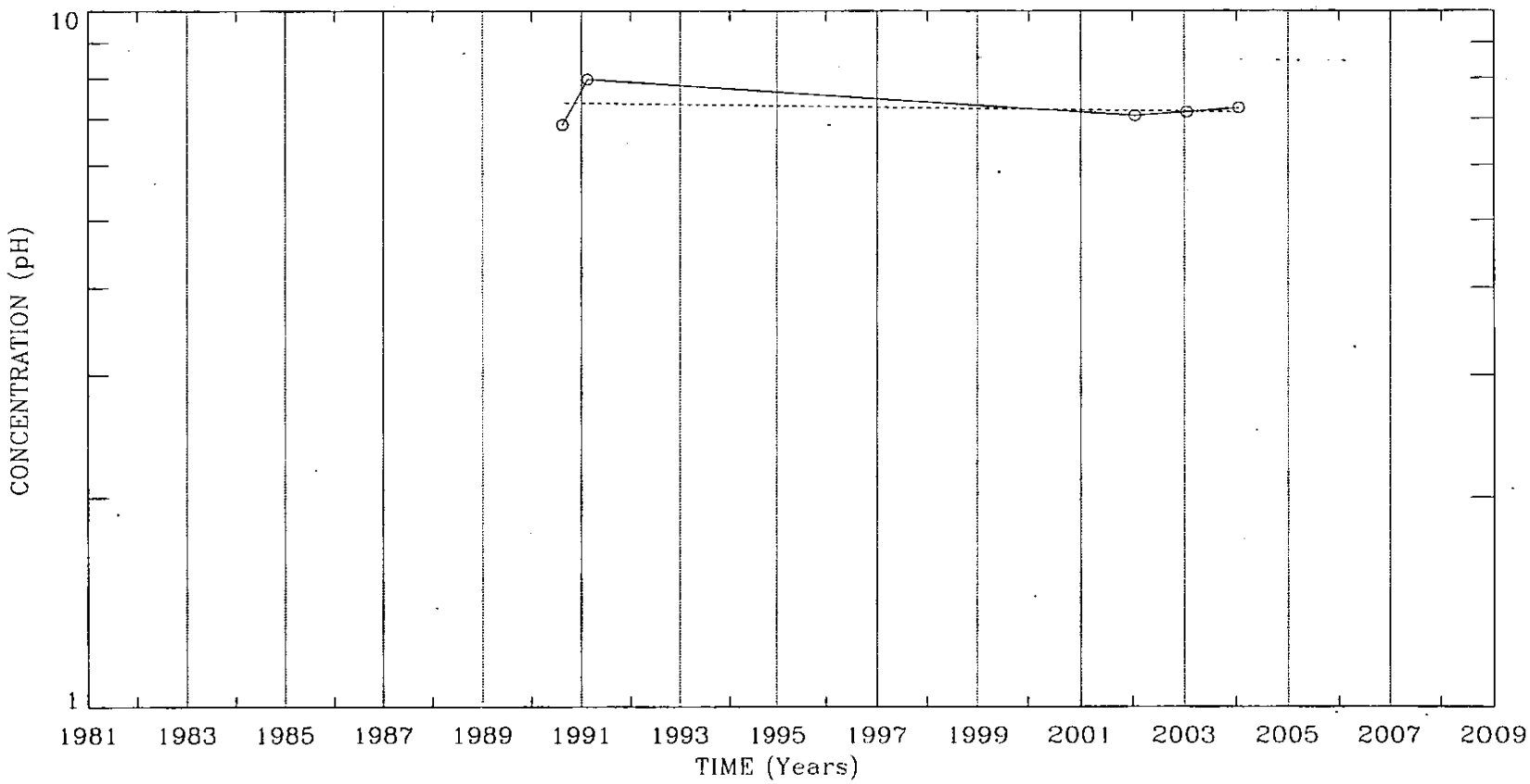

REGRESSION LINE EQUATION: $Y = 7.555E+000e^{-0.0013x}$

Well OB-33 UNIT 4
PH
Clean Harbors Baton Rouge, LLC



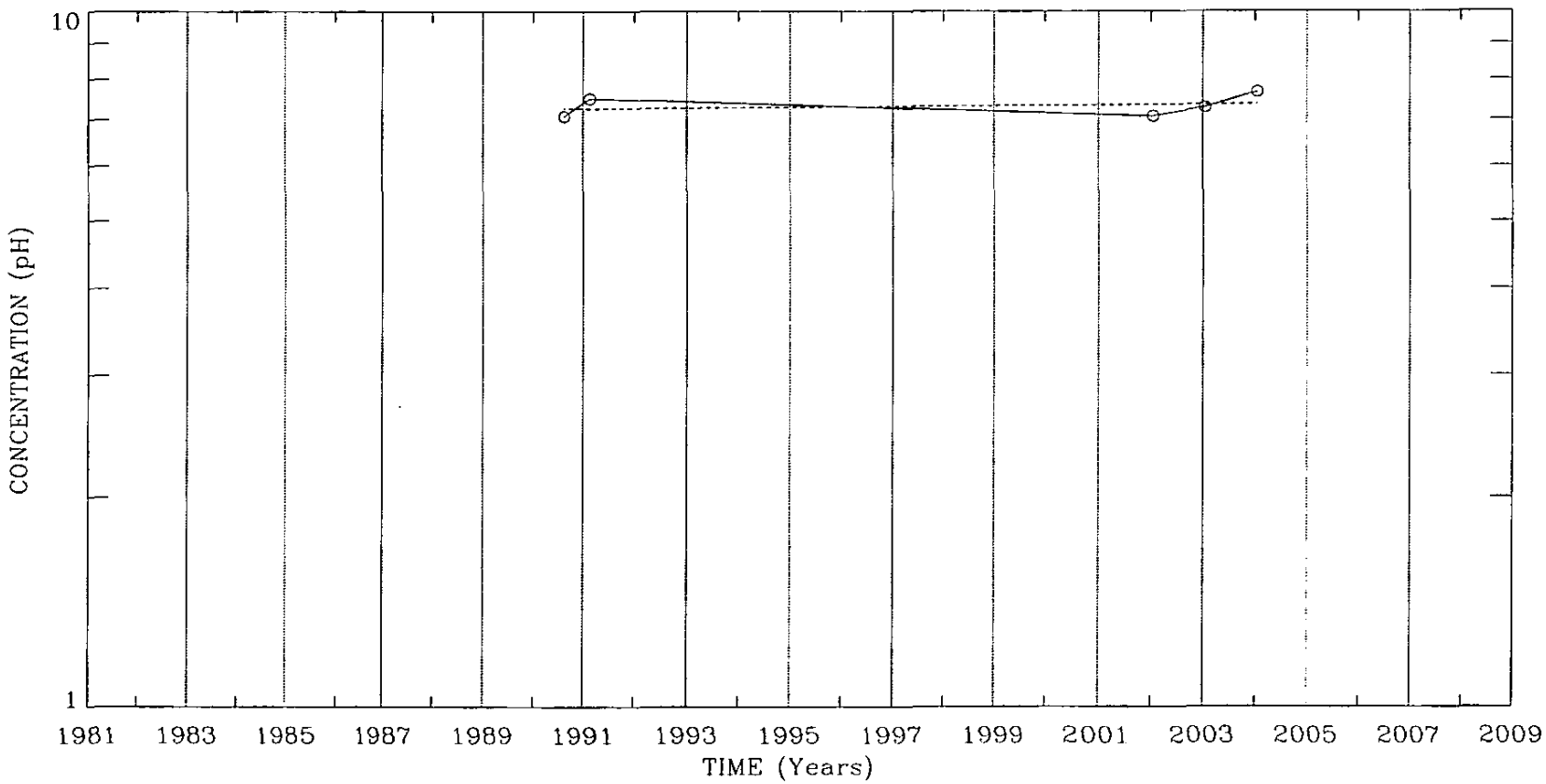

REGRESSION LINE EQUATION: $Y = 7.169E+000e^{-0.0006x}$

Well PROC#1
PH
Clean Harbors Baton Rouge, LLC



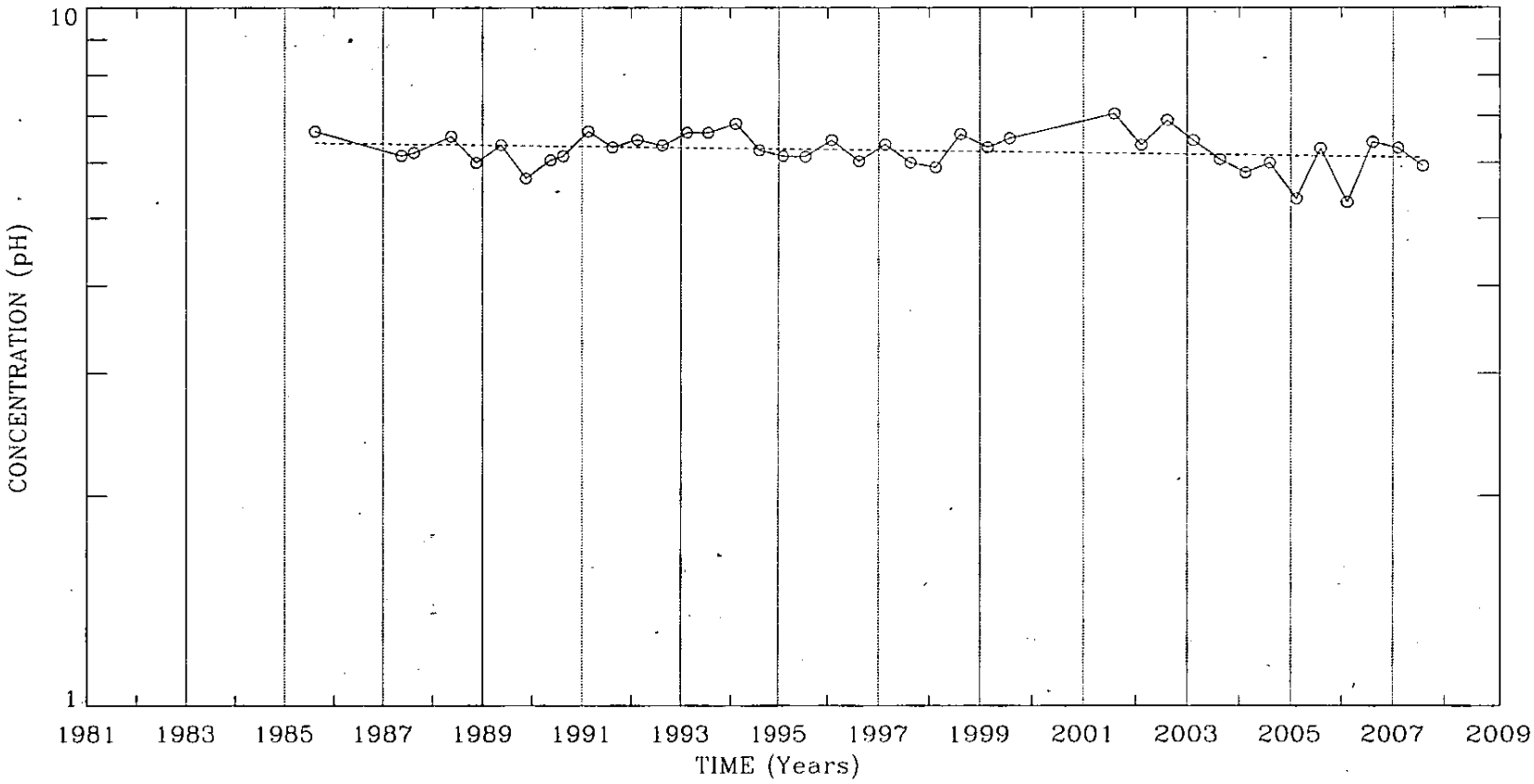

REGRESSION LINE EQUATION: $Y = 9.092E+000e^{-0.0023x}$

Well PROC#2
PH
Clean Harbors Baton Rouge, LLC



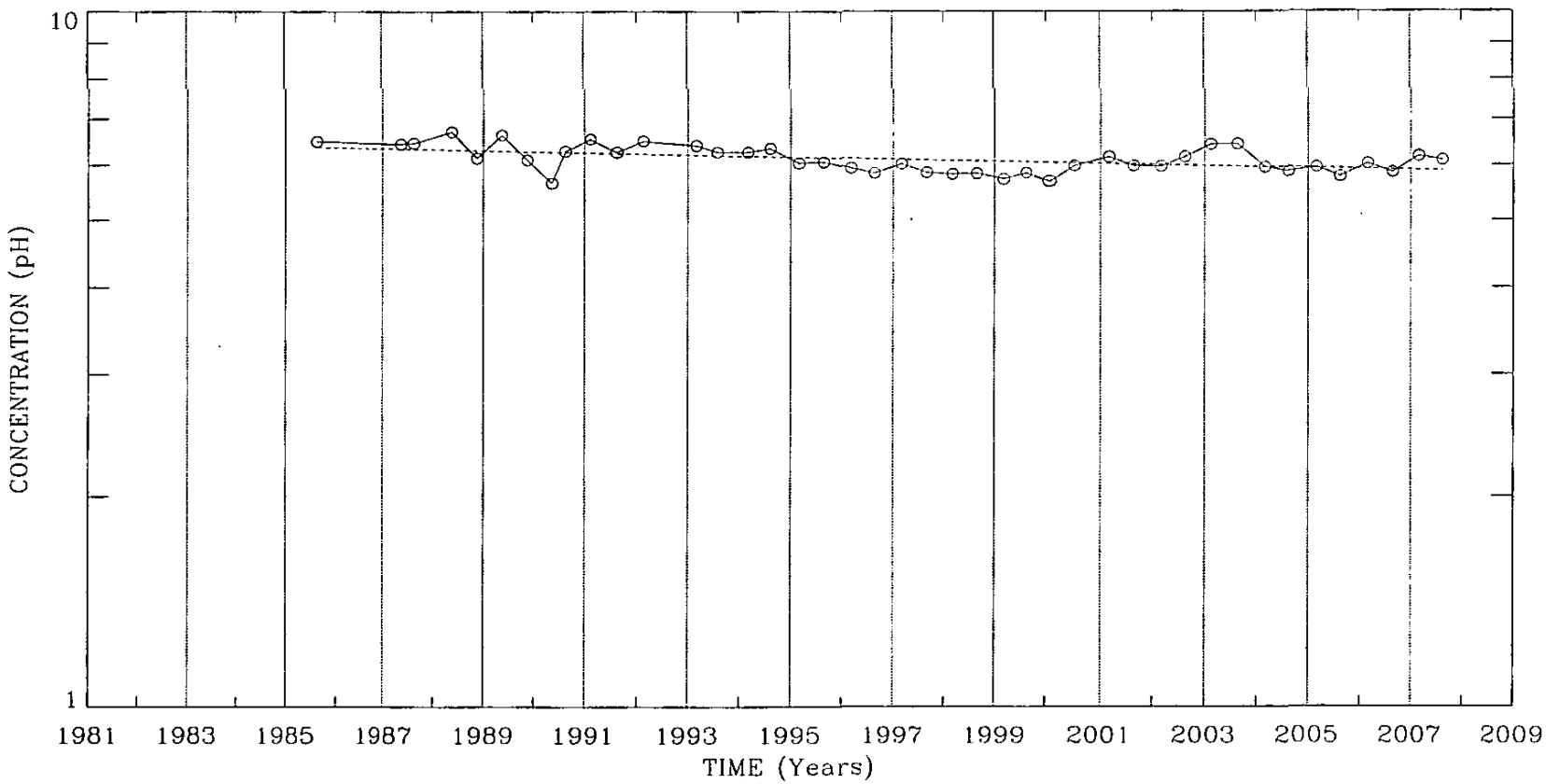

REGRESSION LINE EQUATION: $Y = 6.568E+000e^{0.0011x}$

Well SM-02 UNIT 3
PH
Clean Harbors Baton Rouge, LLC



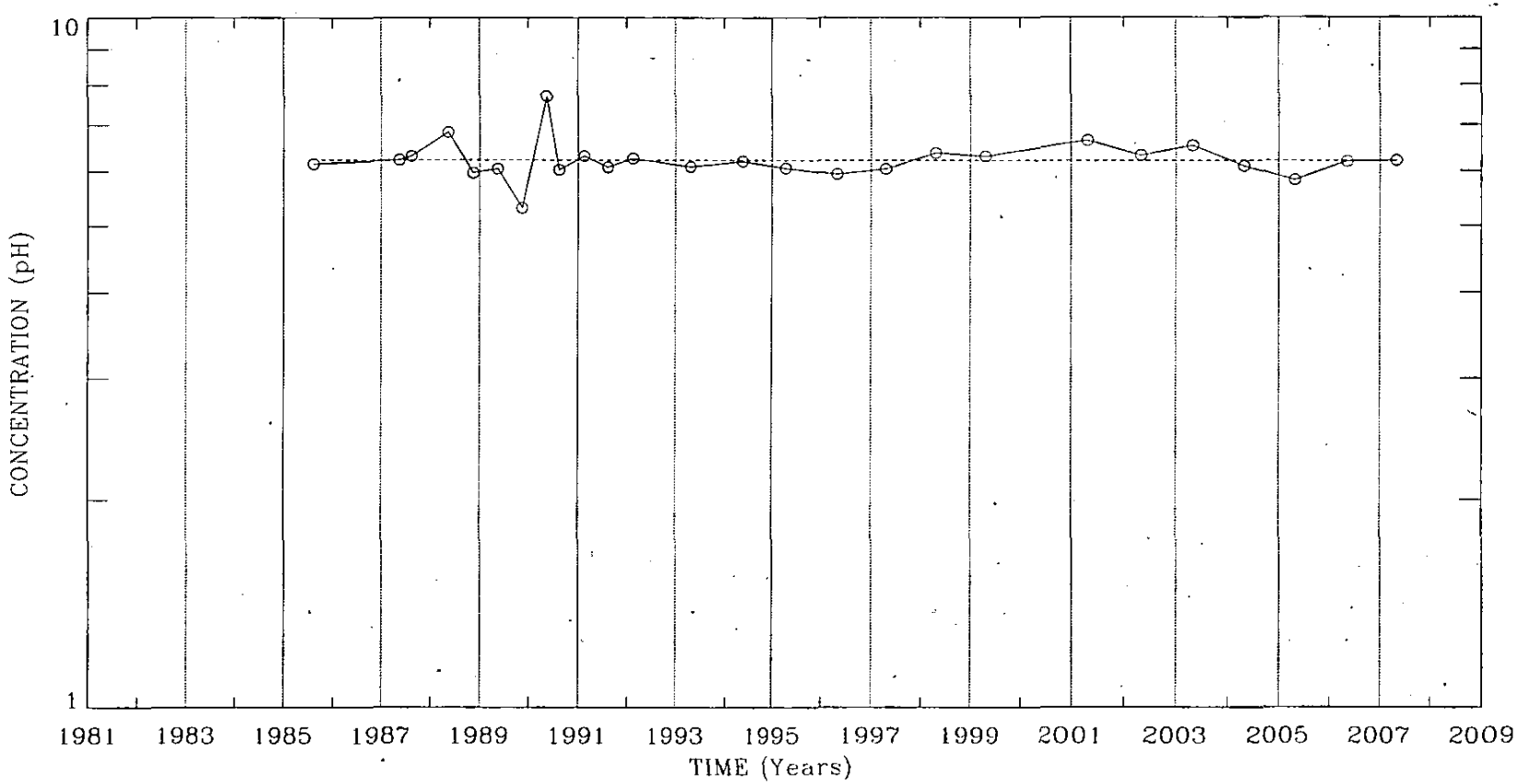

REGRESSION LINE EQUATION: $Y = 7.680E+000e^{-0.0021x}$

Well SM-03 UNIT 3
PH
Clean Harbors Baton Rouge, LLC



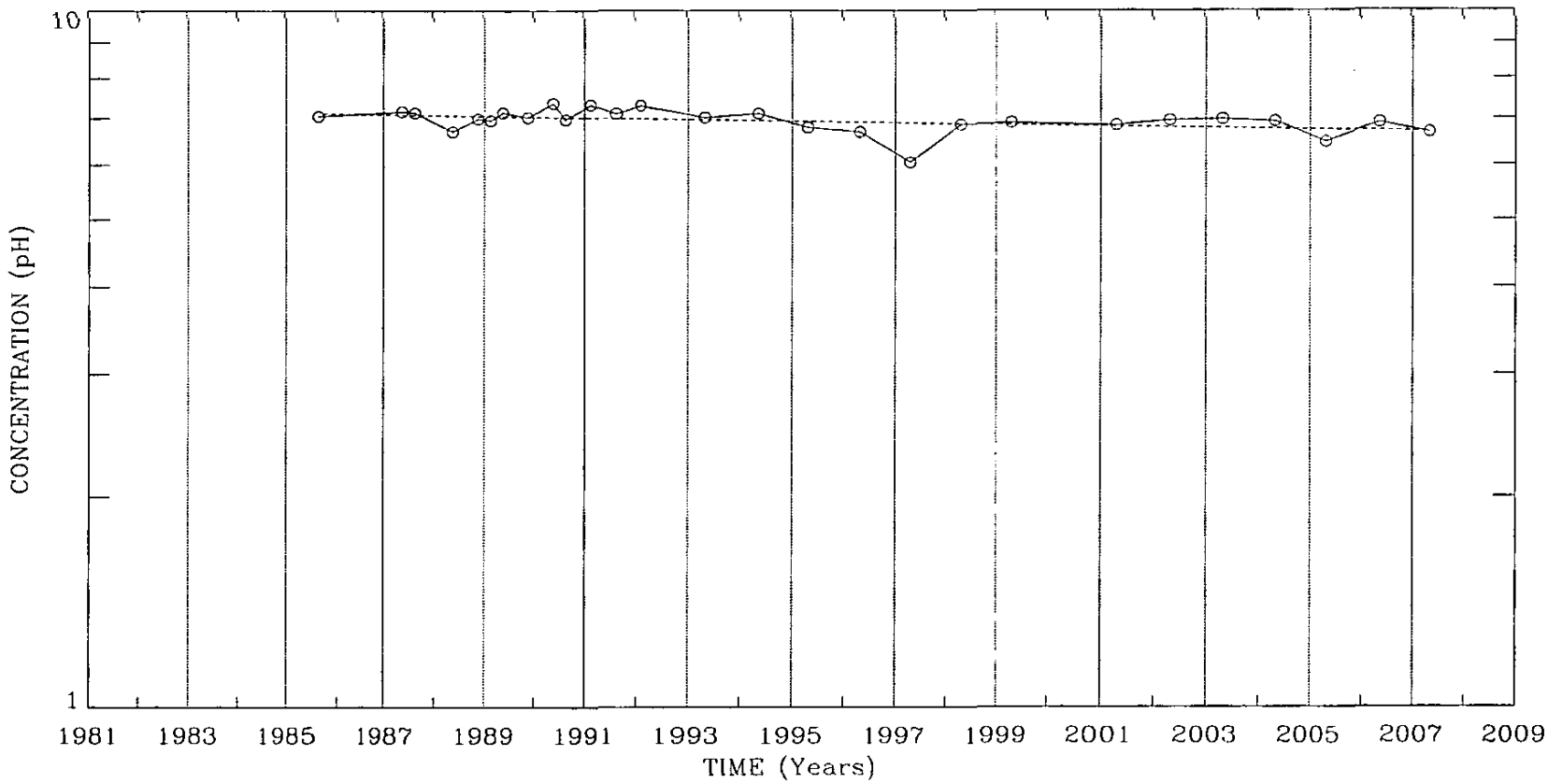

REGRESSION LINE EQUATION: $Y = 8.681E+000e^{-0.0036x}$

Well SM-04 UNIT 3
PH
Clean Harbors Baton Rouge, LLC



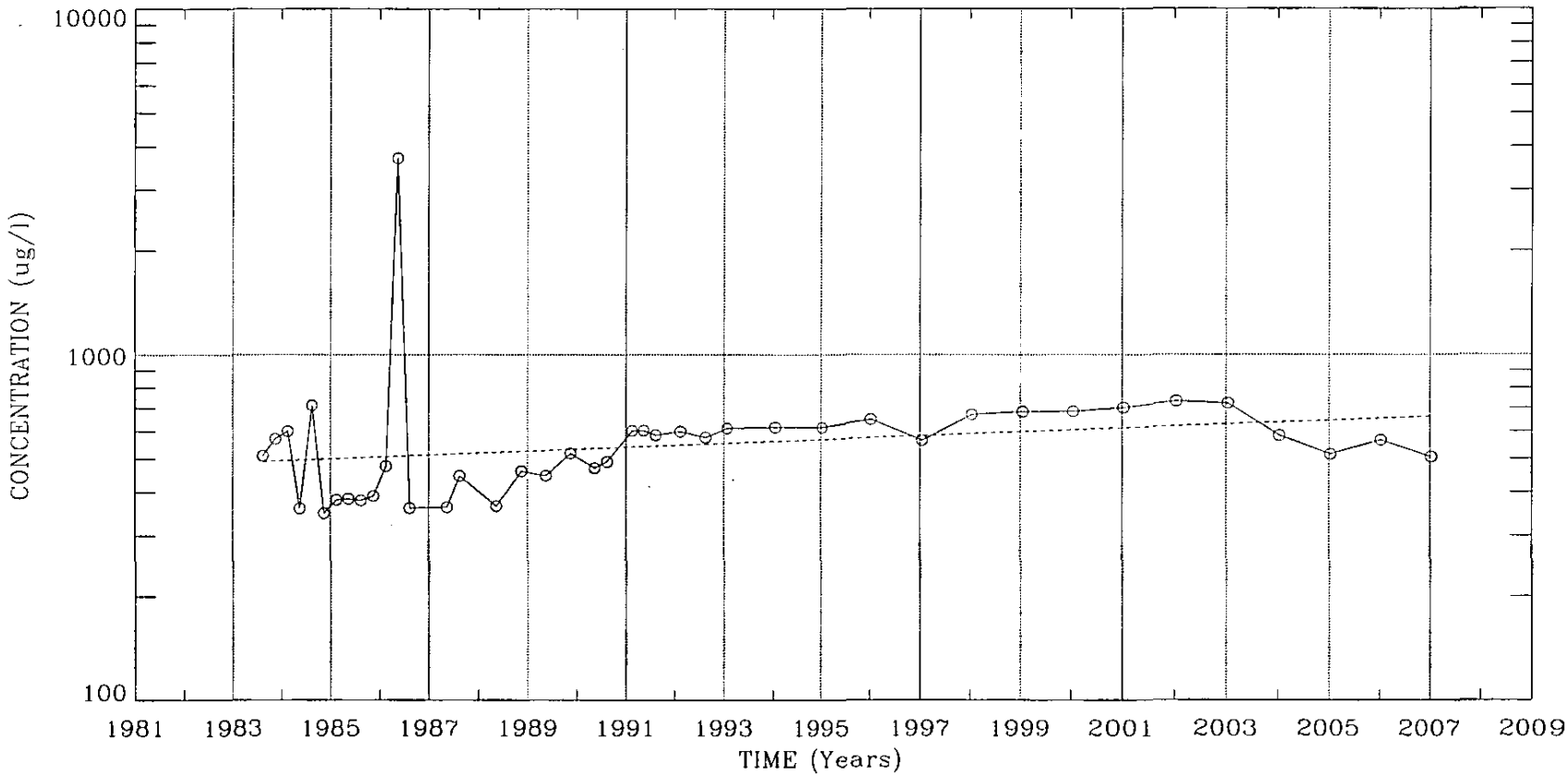

REGRESSION LINE EQUATION: $Y = 6.351E+000e^{-0.0002x}$

Well SM-05 UNIT 3
PH
Clean Harbors Baton Rouge, LLC



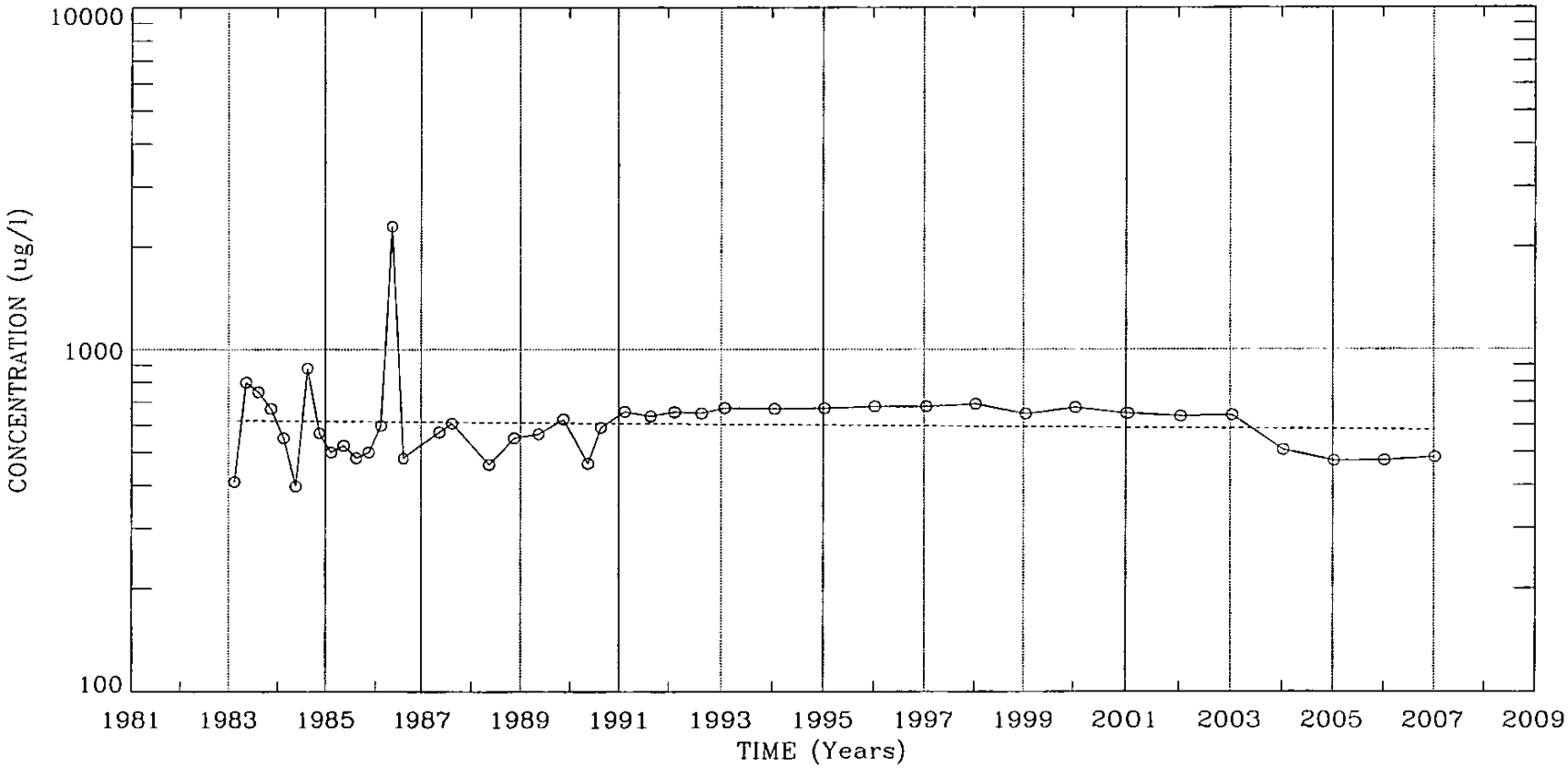

REGRESSION LINE EQUATION: $Y = 9.022E+000e^{-0.0028x}$

Well 01A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



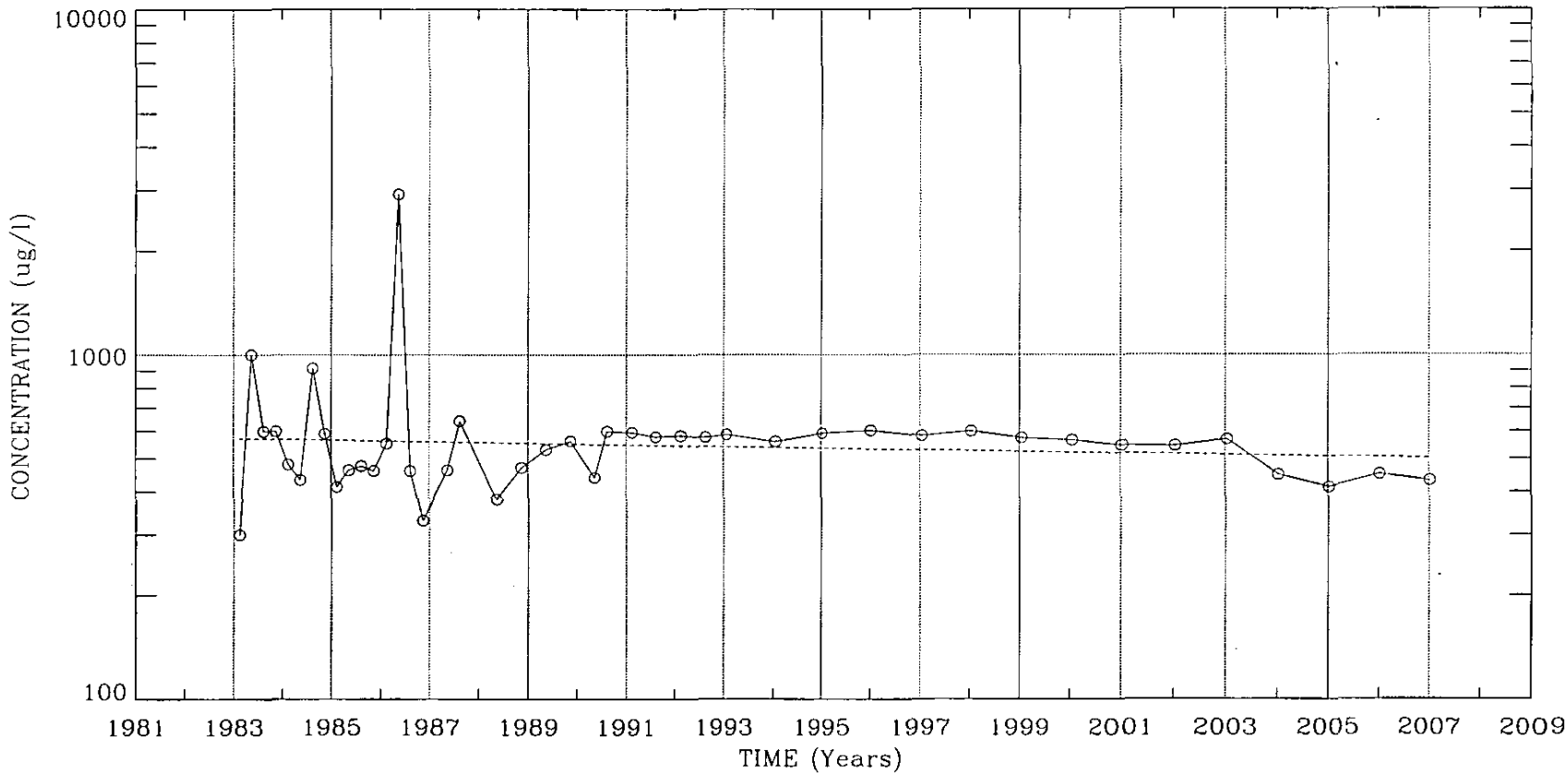

REGRESSION LINE EQUATION: $Y = 1.681E+002e^{0.0128x}$

Well 01B UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



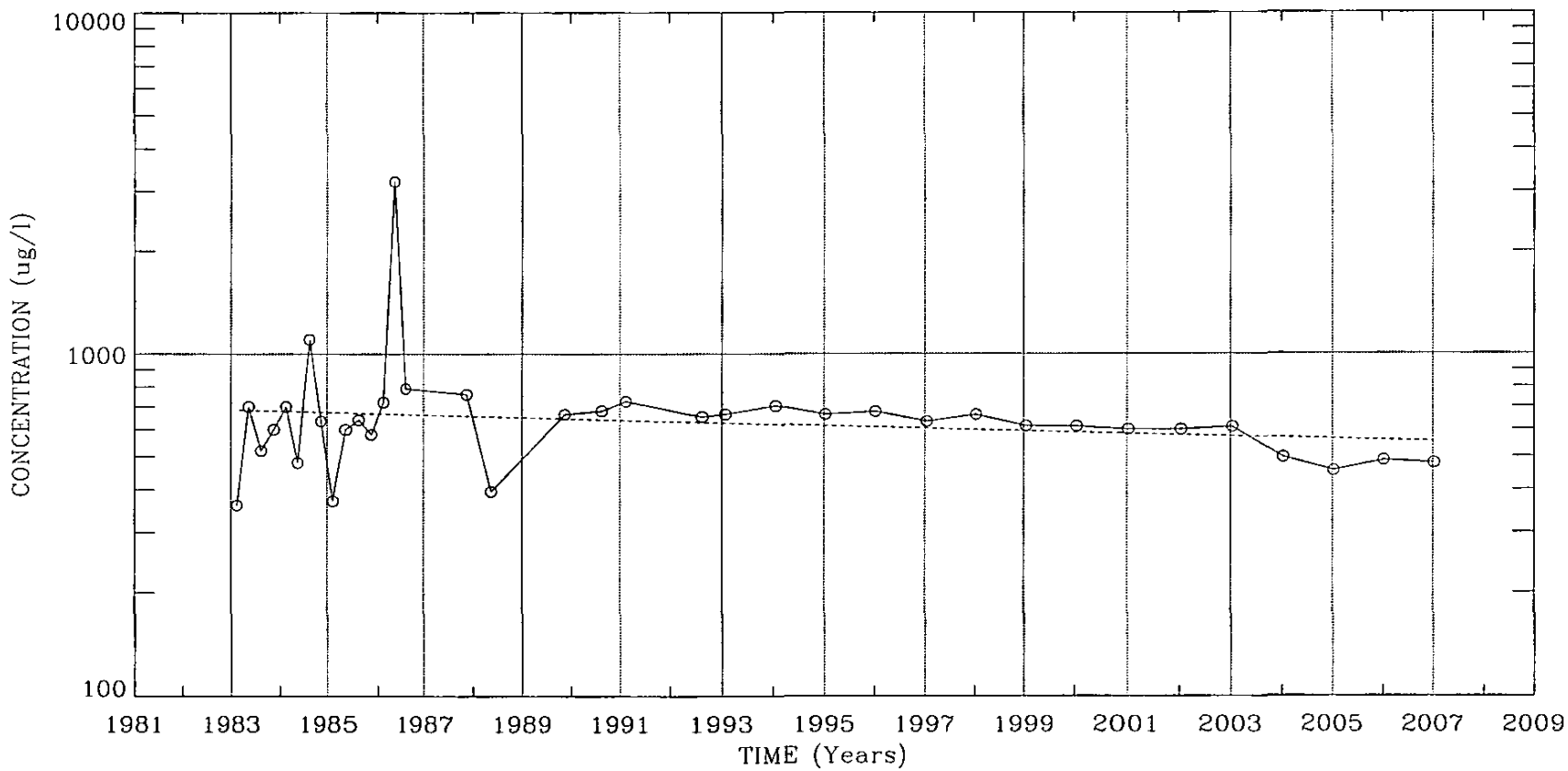

REGRESSION LINE EQUATION: $Y = 7.744E+002e^{-0.0027x}$

Well 01C UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



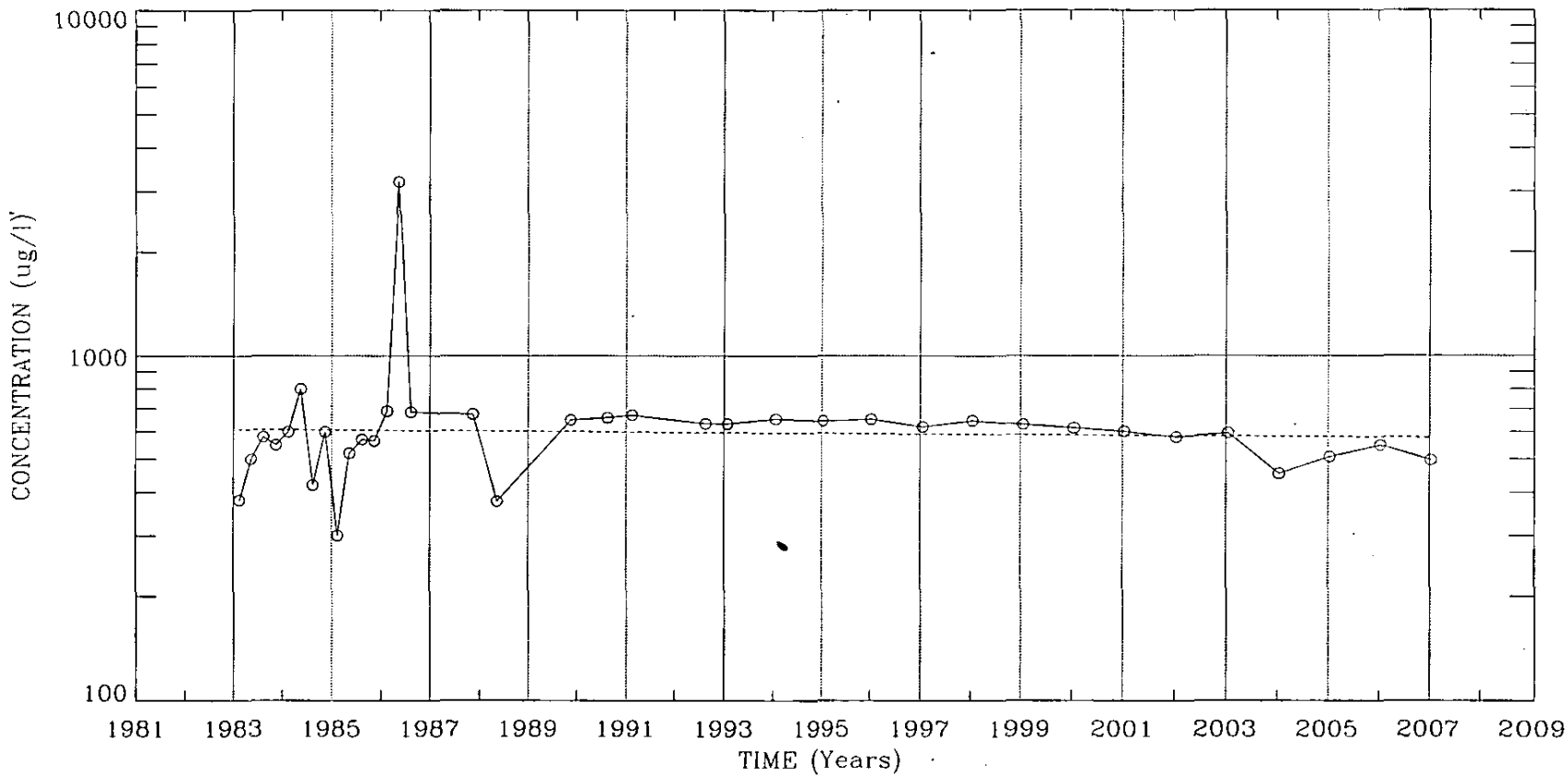

REGRESSION LINE EQUATION: $Y = 9.022E+002e^{-0.0055x}$

Well 02A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



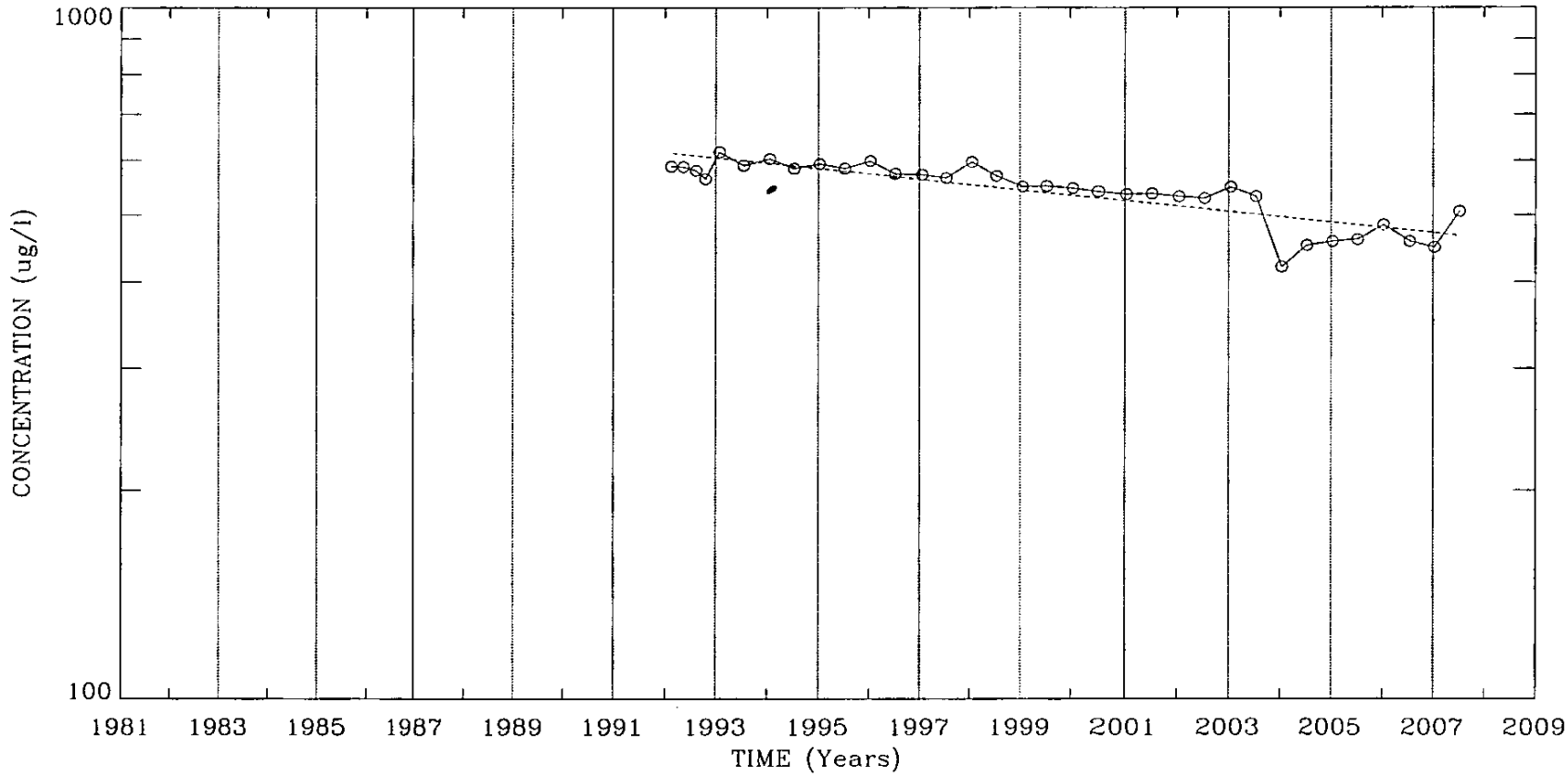

REGRESSION LINE EQUATION: $Y = 1.443E+003e^{-0.0090x}$

Well 03A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



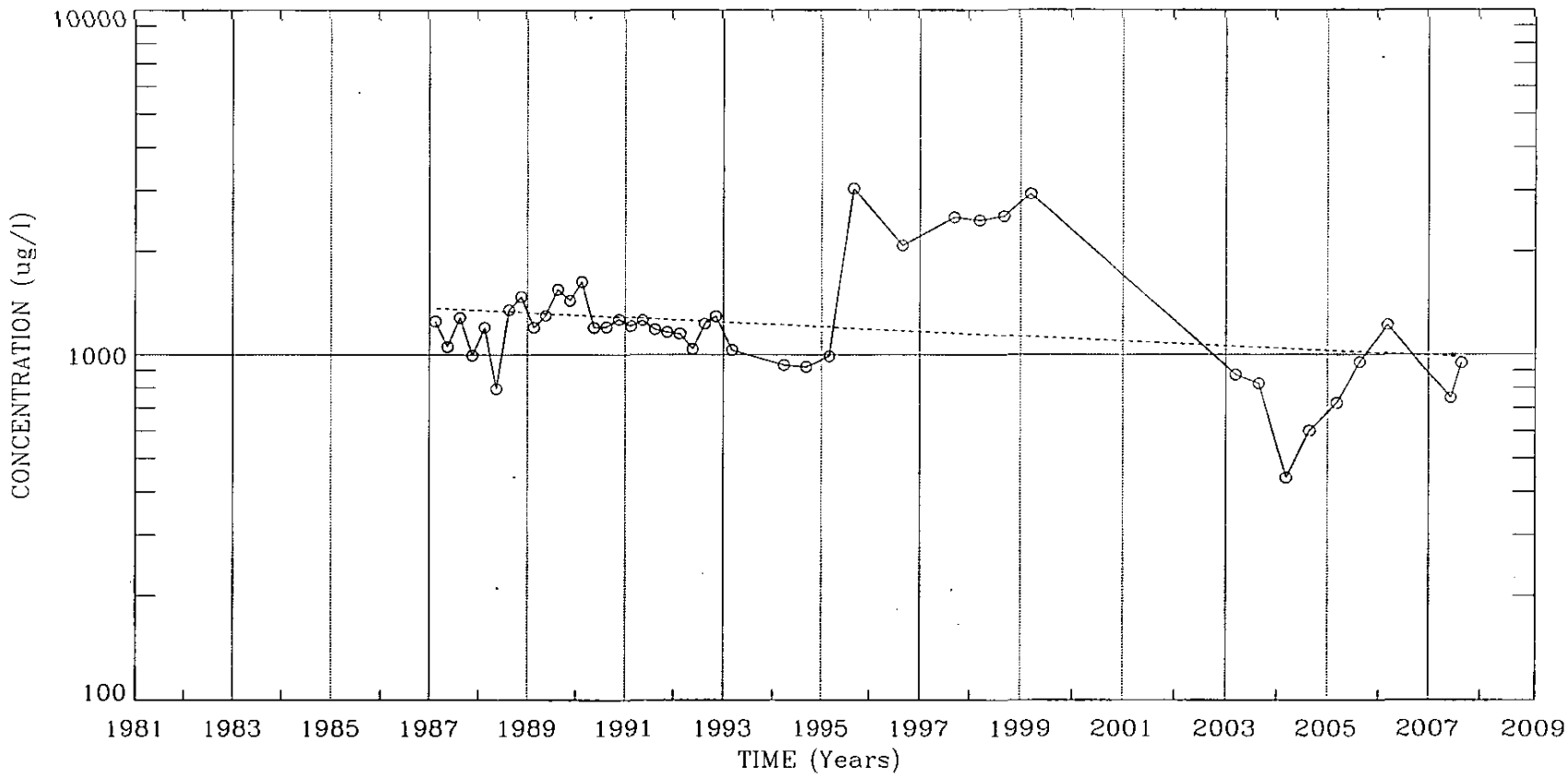

REGRESSION LINE EQUATION: $Y = 7.362E+002e^{-0.0023x}$

Well 03C UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



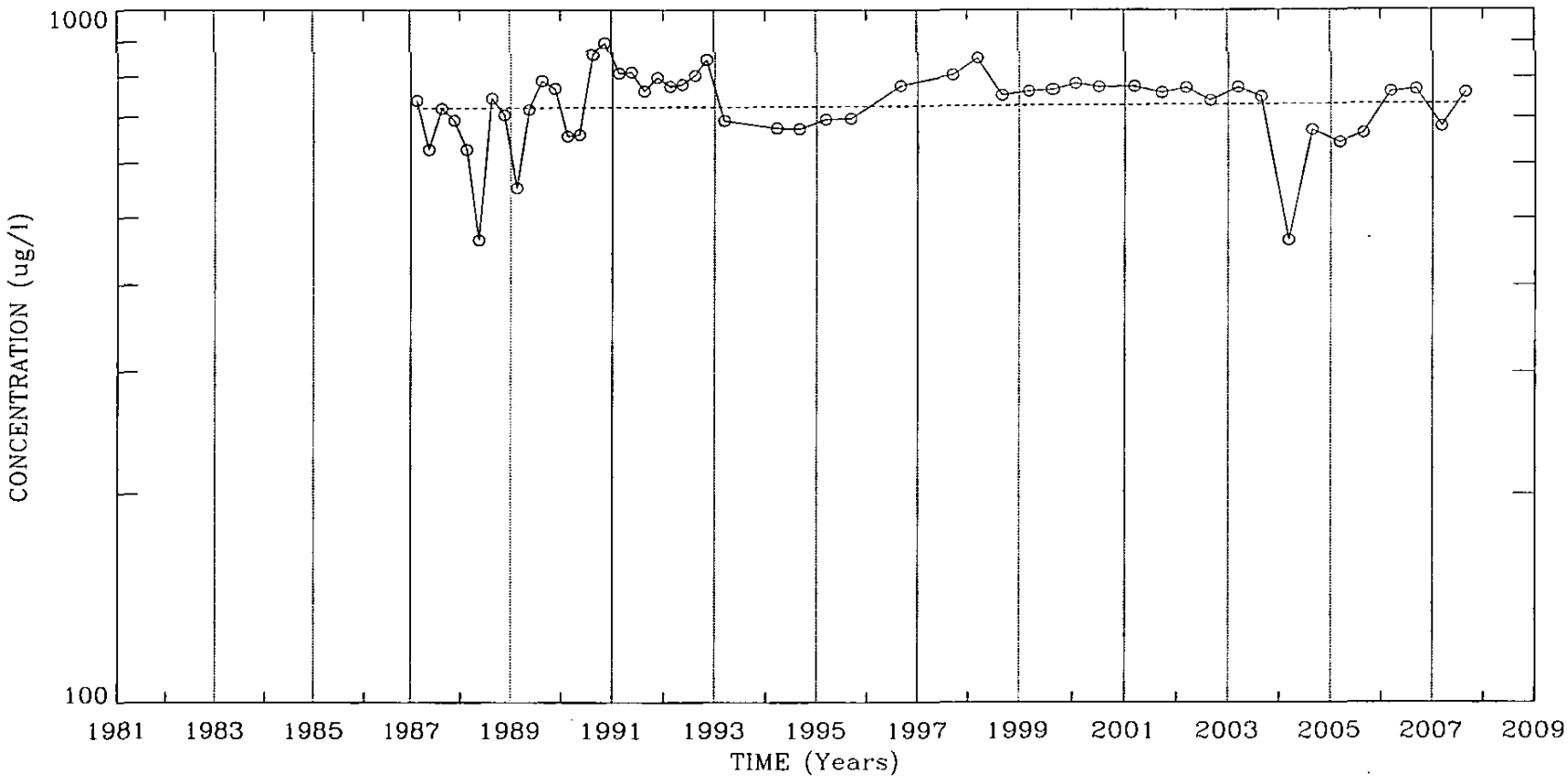

REGRESSION LINE EQUATION: $Y = 3.195E+003e^{-0.0179x}$

Well 04A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



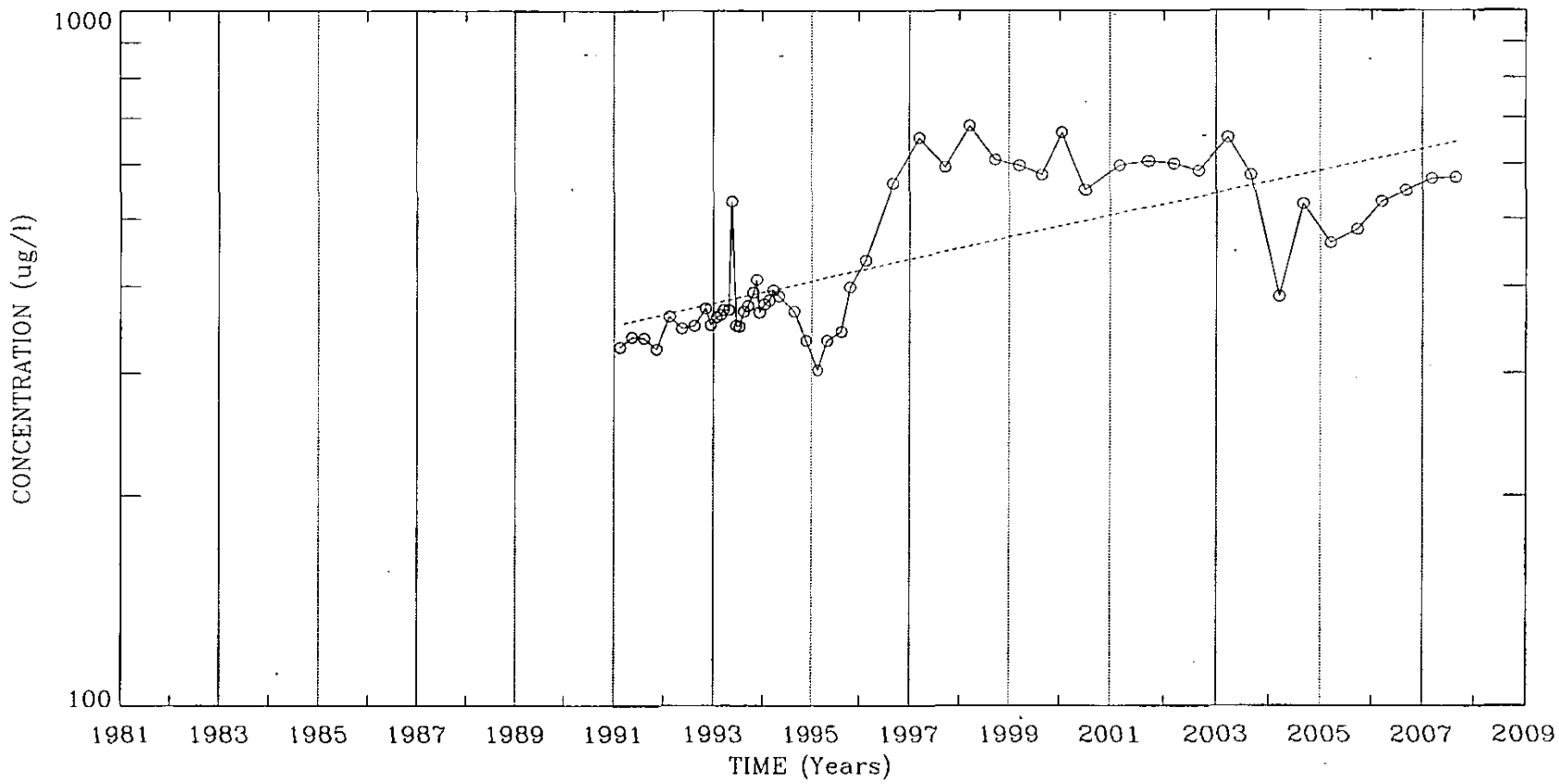

REGRESSION LINE EQUATION: $Y = 5.508E+003e^{-0.0160x}$

Well 04B UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



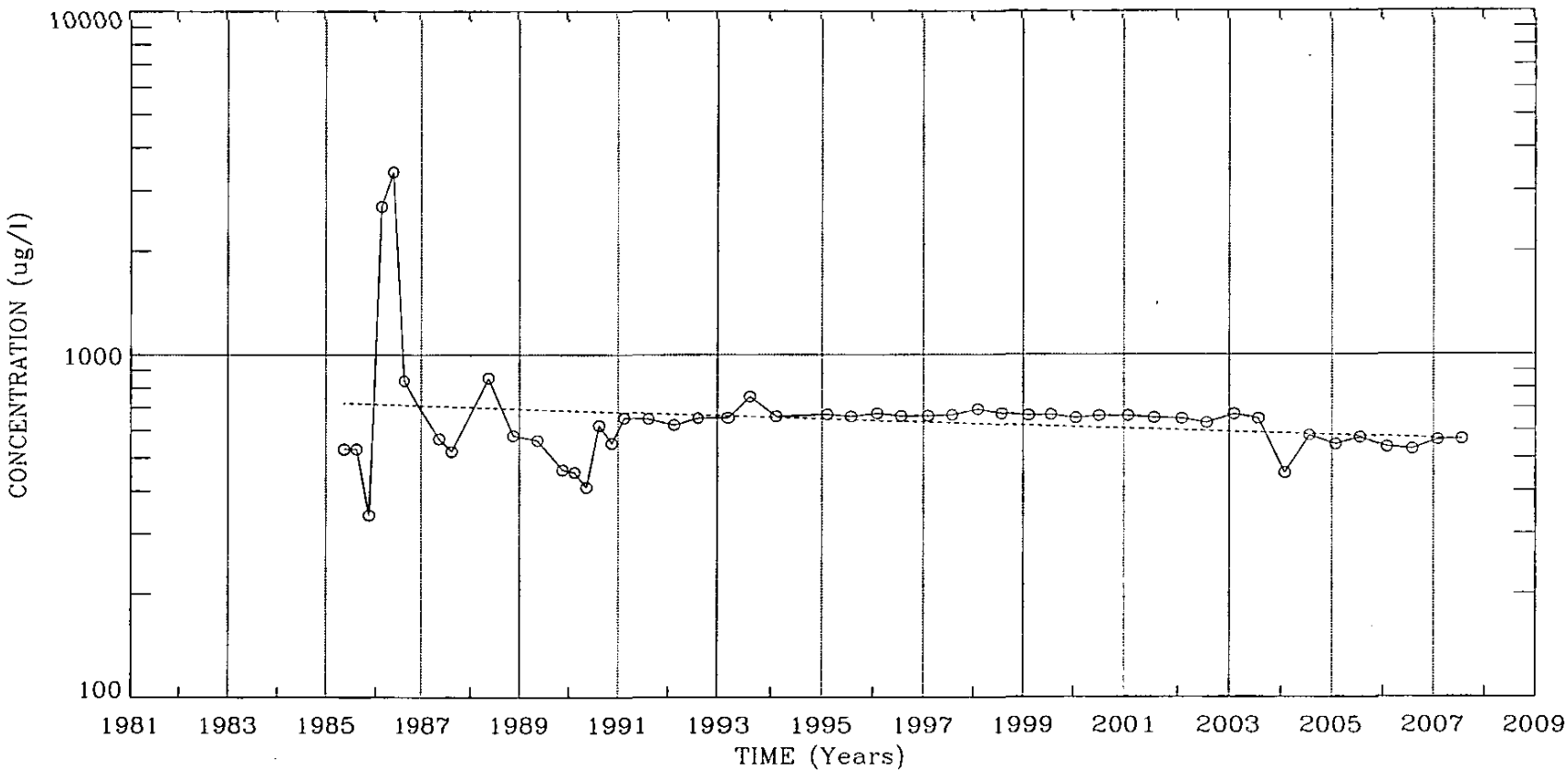

REGRESSION LINE EQUATION: $Y = 6.721E+002e^{0.0008x}$

Well 04B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



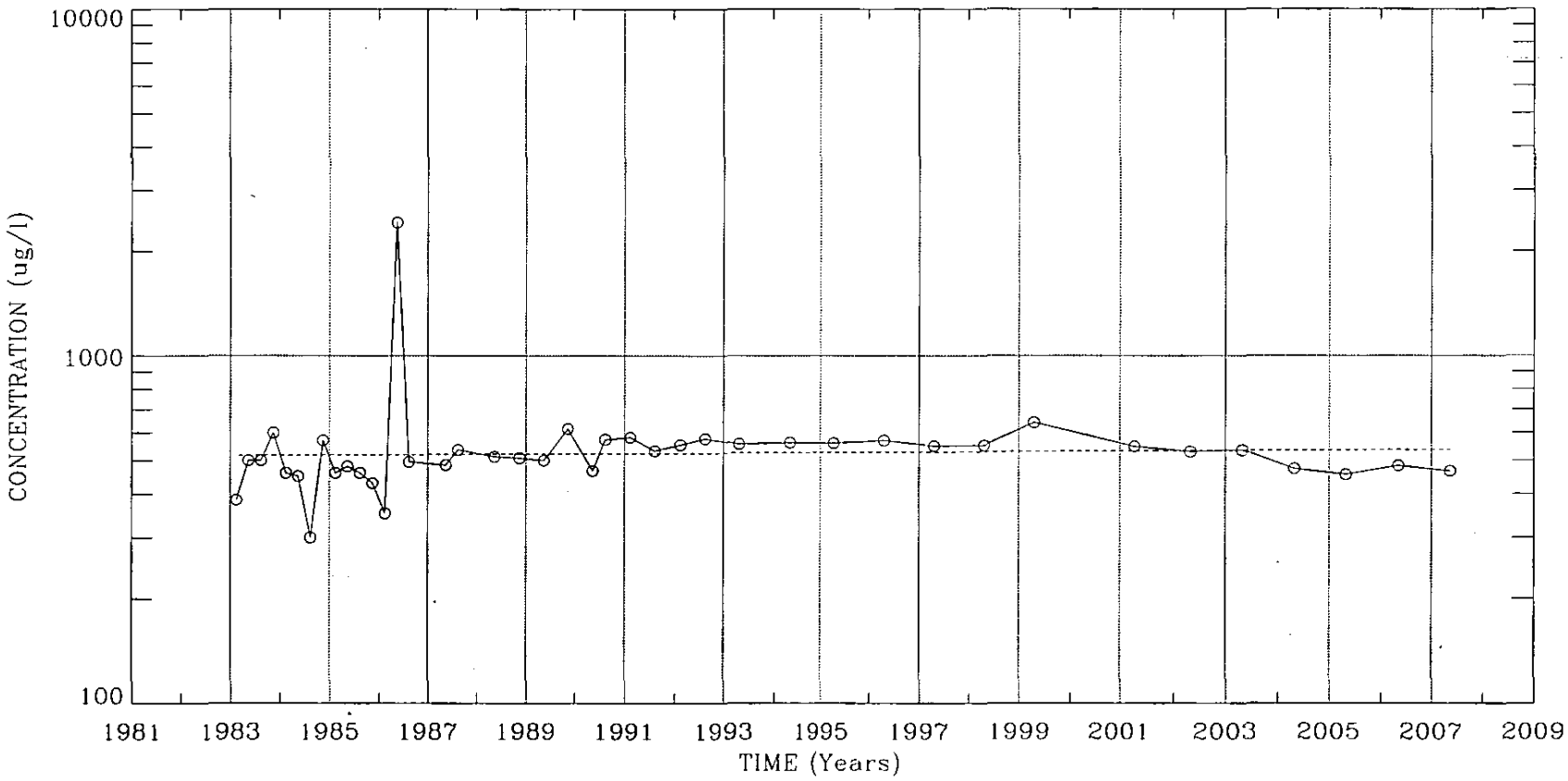

REGRESSION LINE EQUATION: $Y = 1.257E+001e^{0.0366x}$

Well 04B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



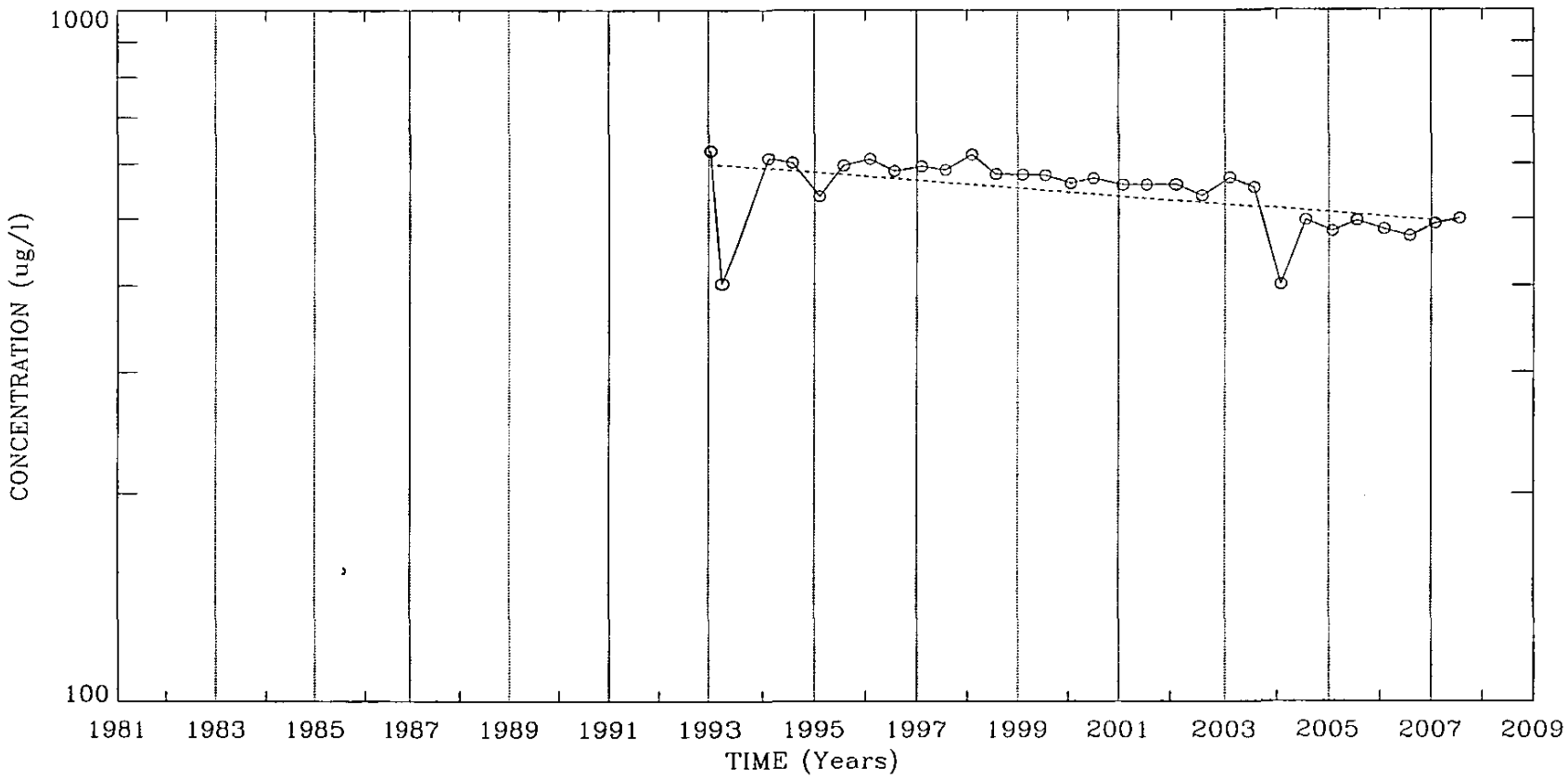

REGRESSION LINE EQUATION: $Y = 1.846E+003e^{-0.0110x}$

Well 04C UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



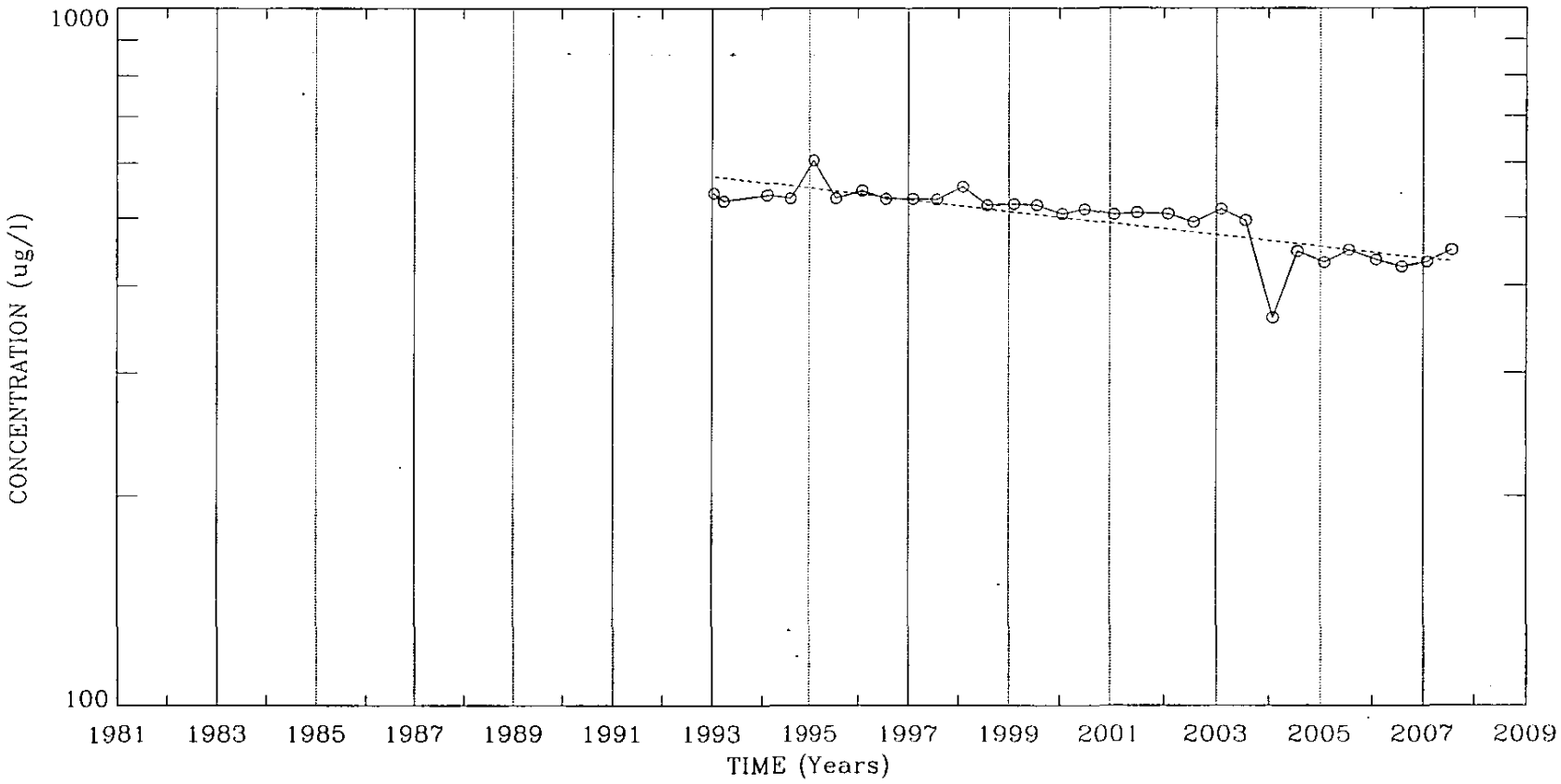

REGRESSION LINE EQUATION: $Y = 4.503E+002e^{0.0016x}$

Well 04CL UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



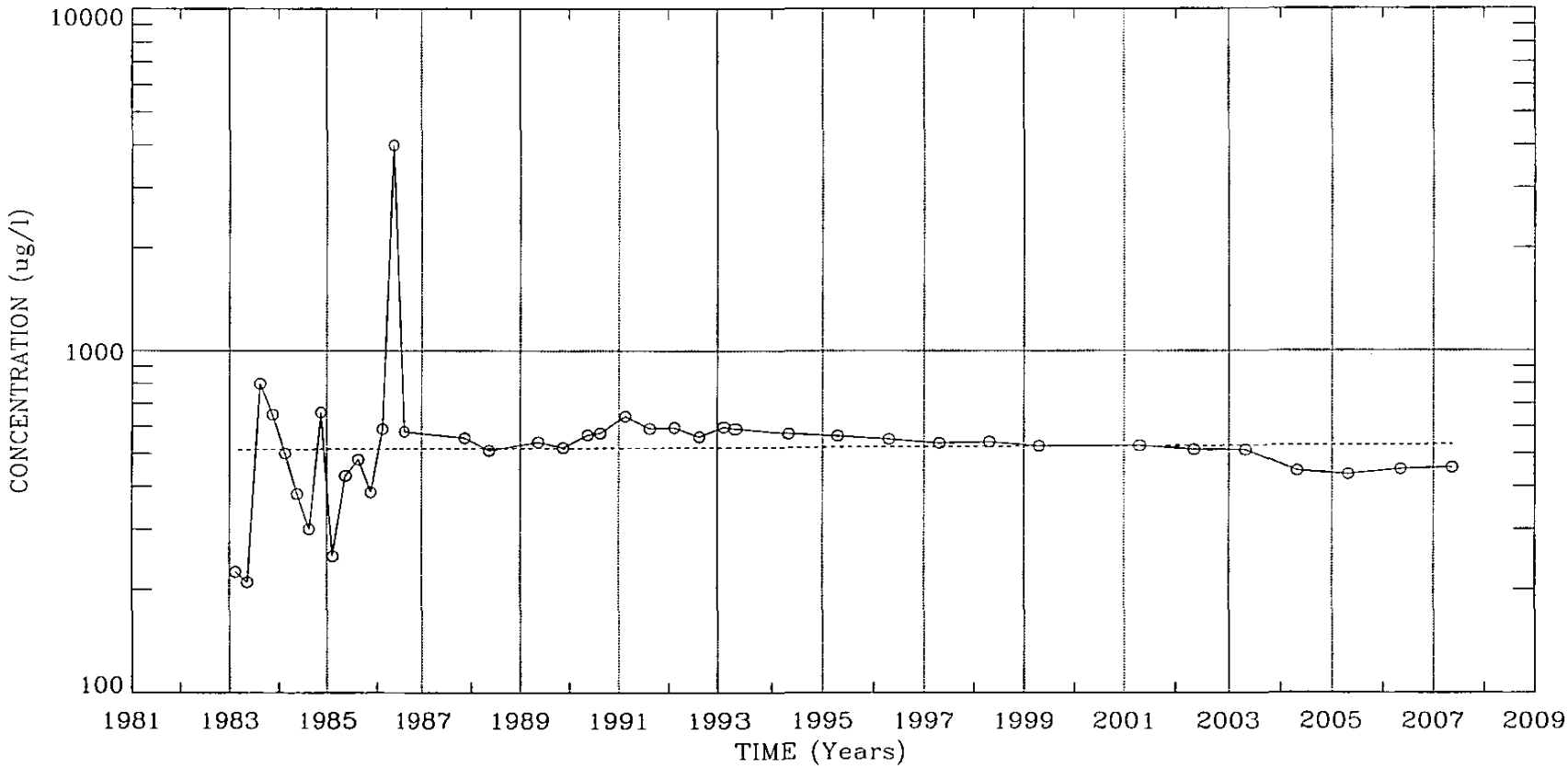

REGRESSION LINE EQUATION: $Y = 2.075E+003e^{-0.0133x}$

Well 04CU UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



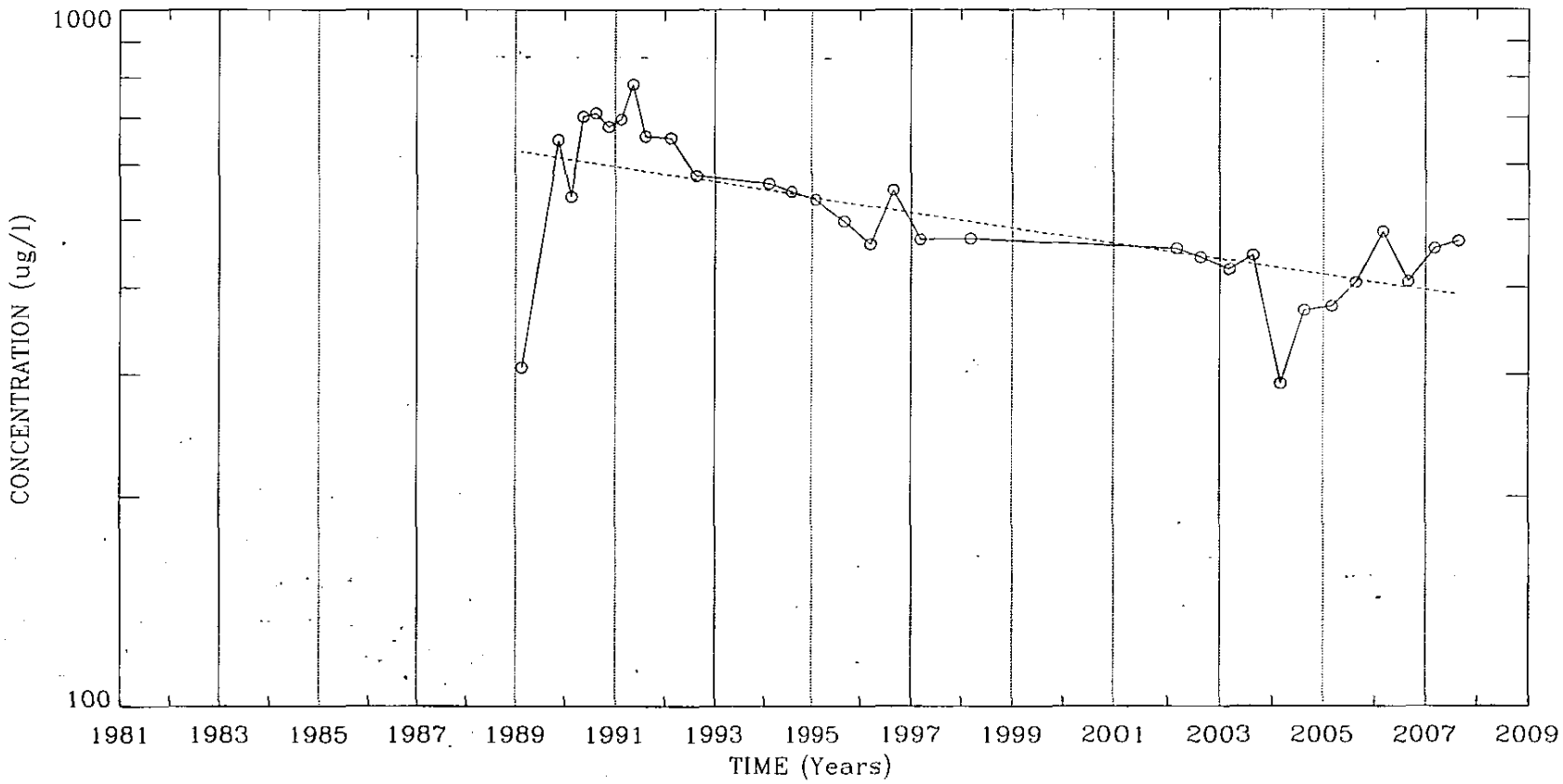

REGRESSION LINE EQUATION: $Y = 3.480E+003e^{-0.0194x}$

Well 05A UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



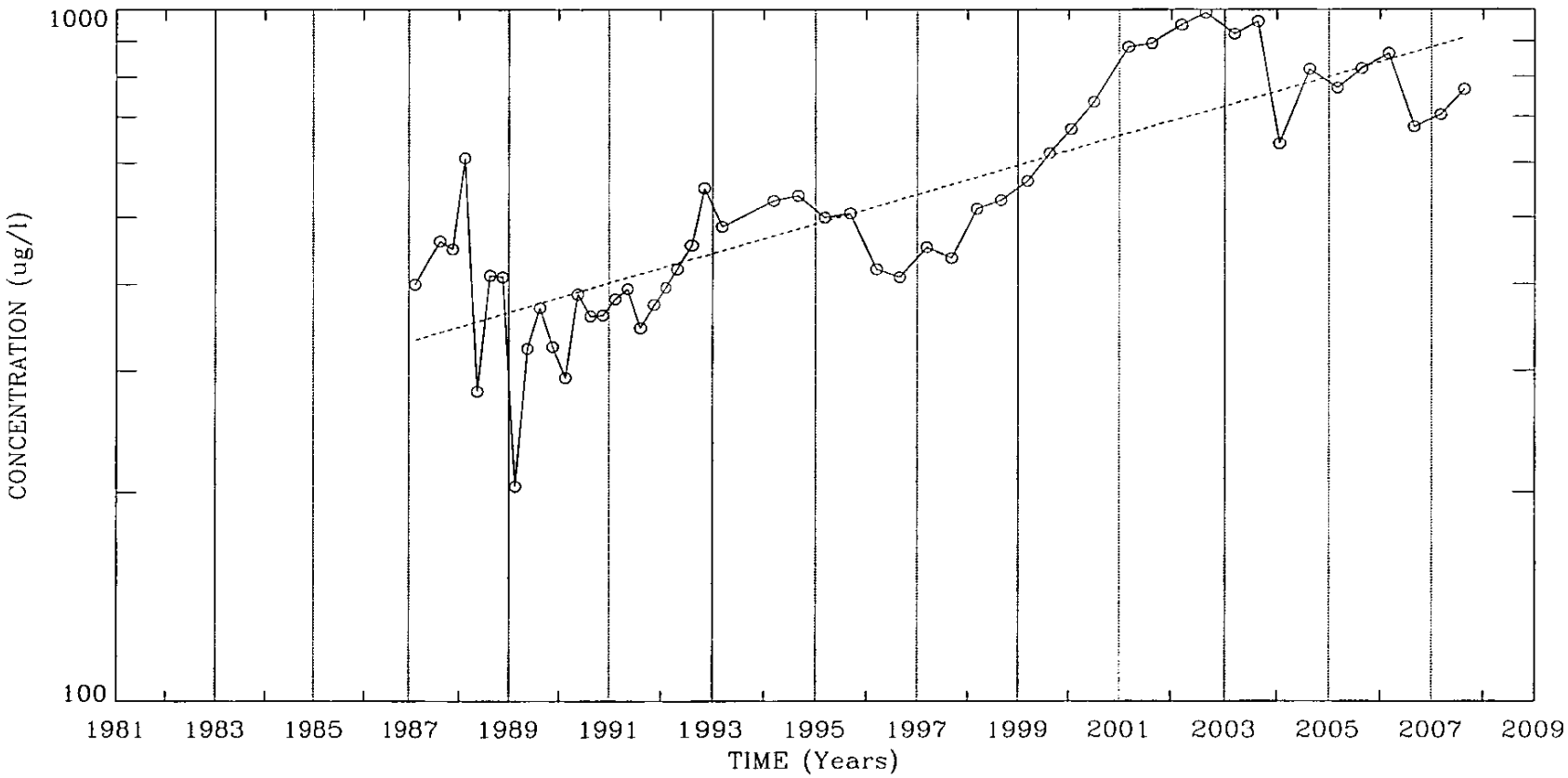

REGRESSION LINE EQUATION: $Y = 4.581E+002e^{0.0014x}$

Well 05AR UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



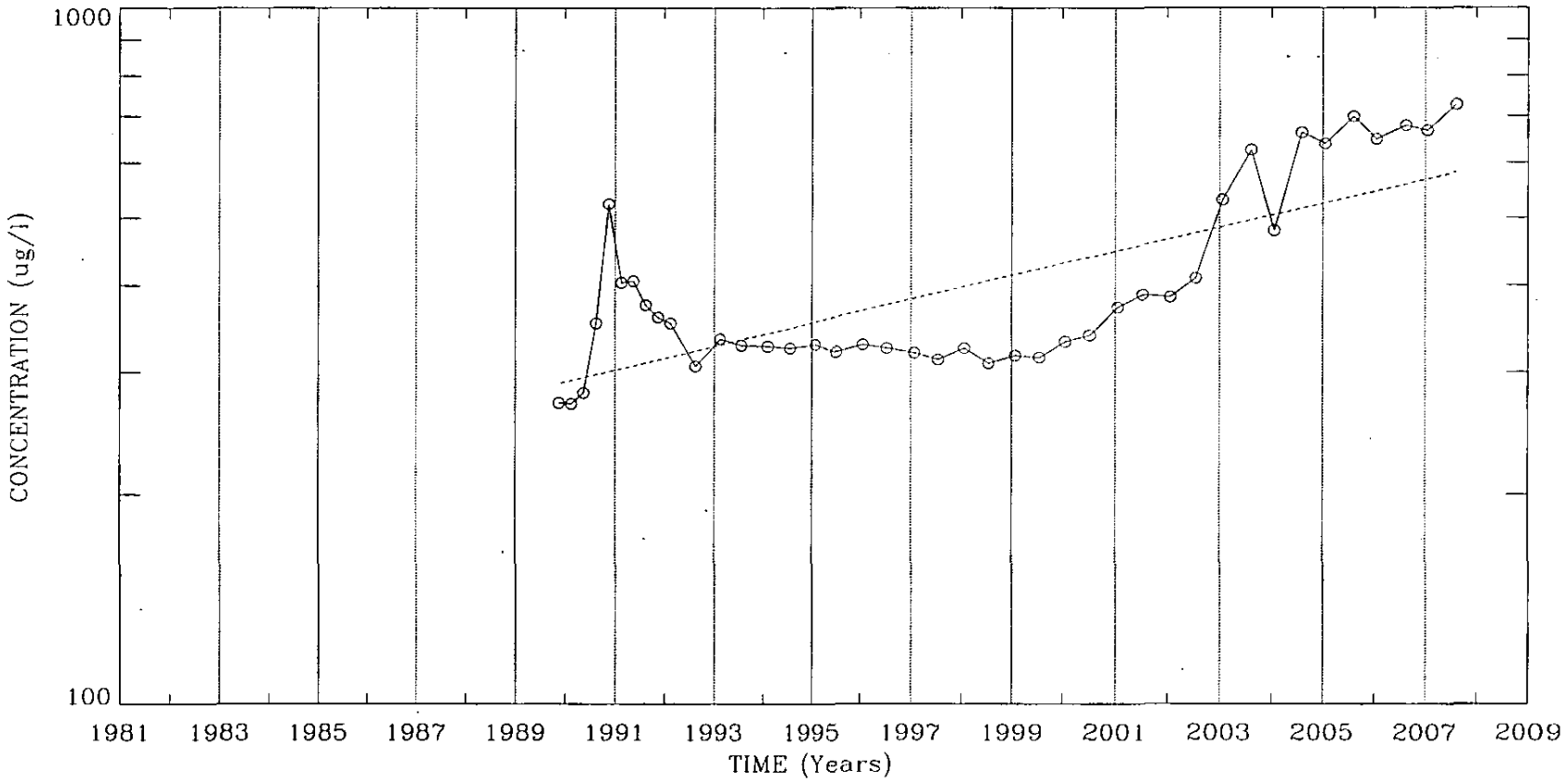

REGRESSION LINE EQUATION: $Y = 6.096E+003e^{-0.0255x}$

Well 05B UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



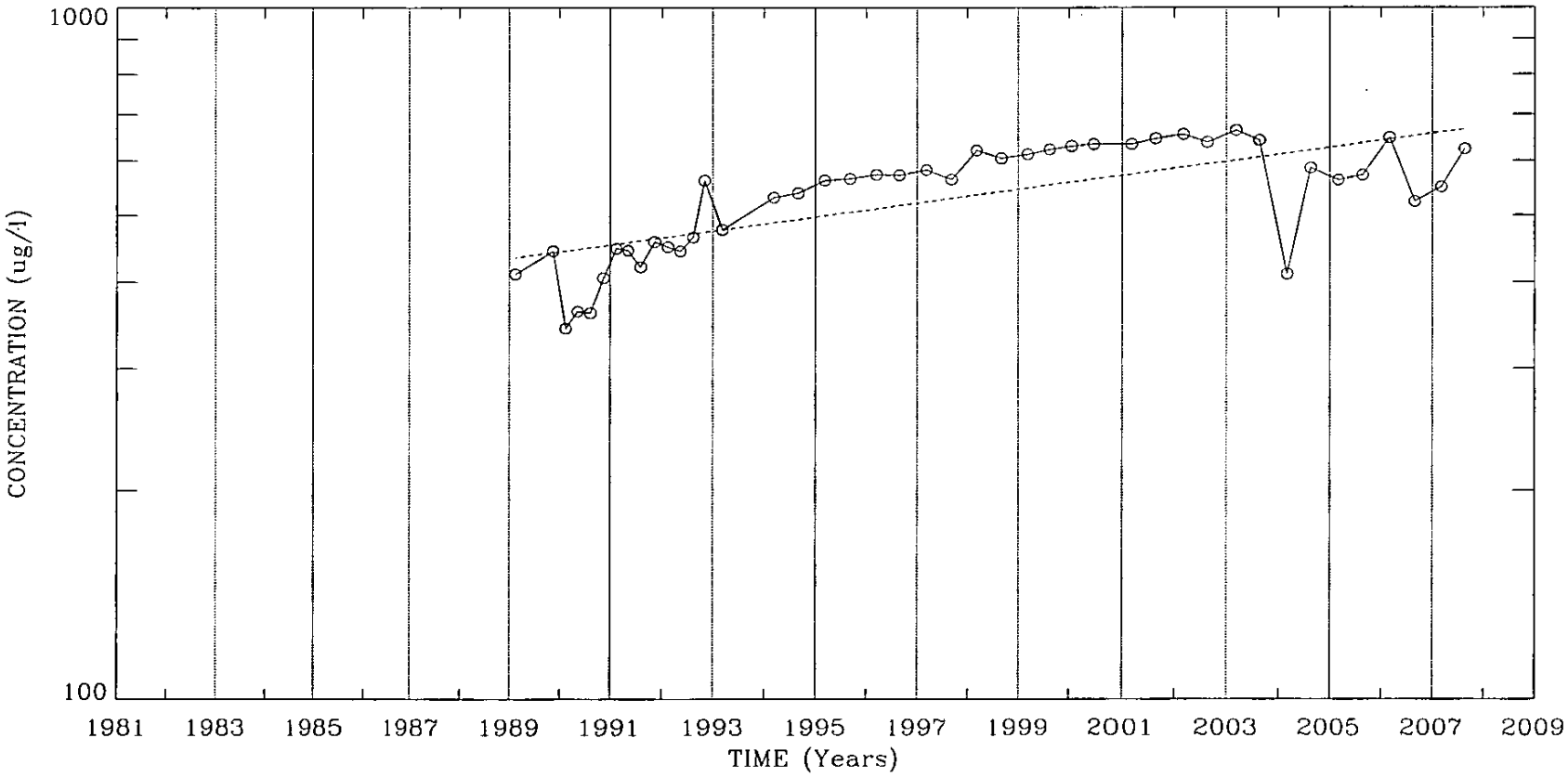

REGRESSION LINE EQUATION: $Y = 4.612E+000e^{0.0491x}$

Well 05B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



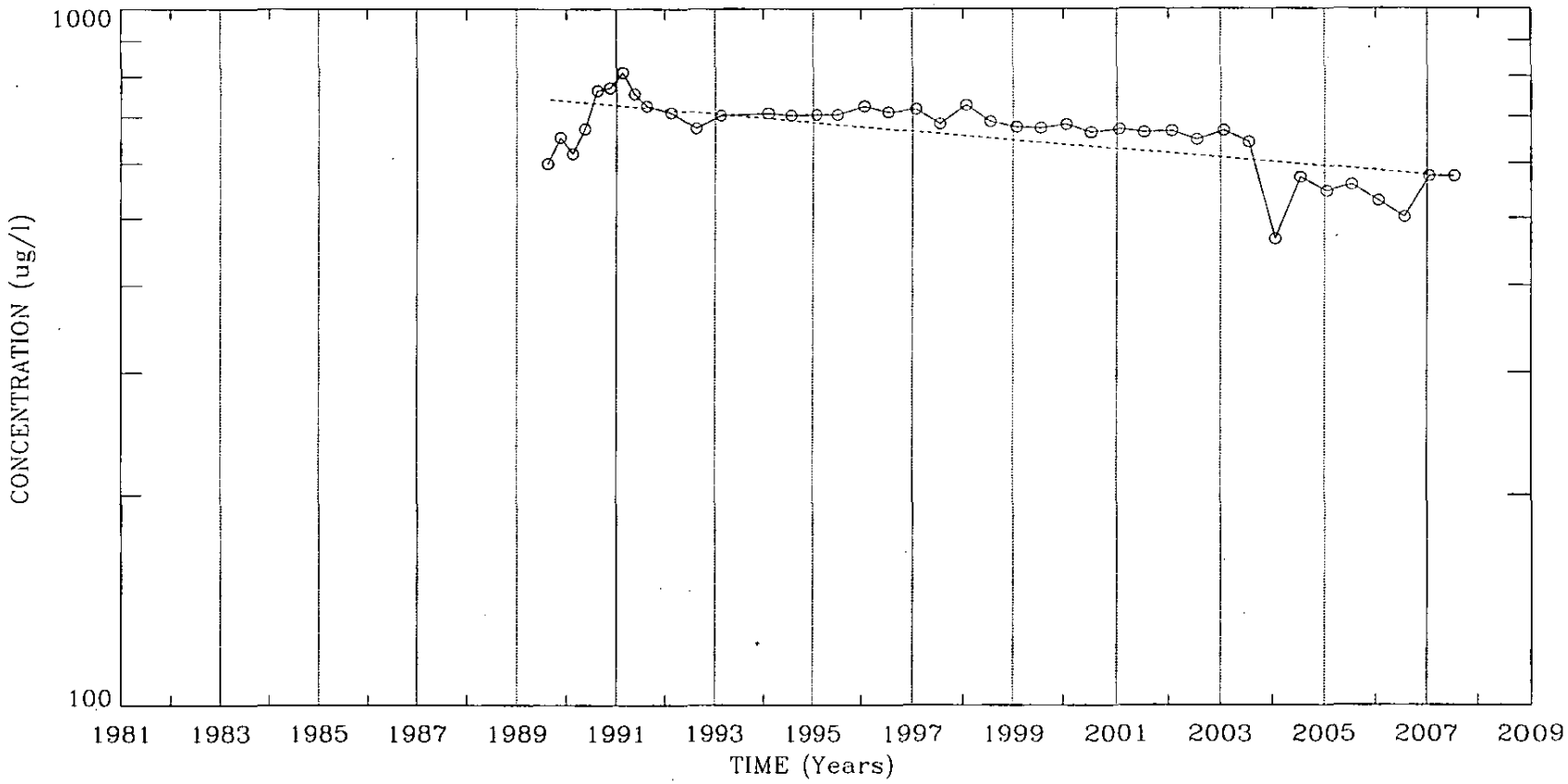

REGRESSION LINE EQUATION: $Y = 8.341E+000e^{0.0394x}$

Well 05B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



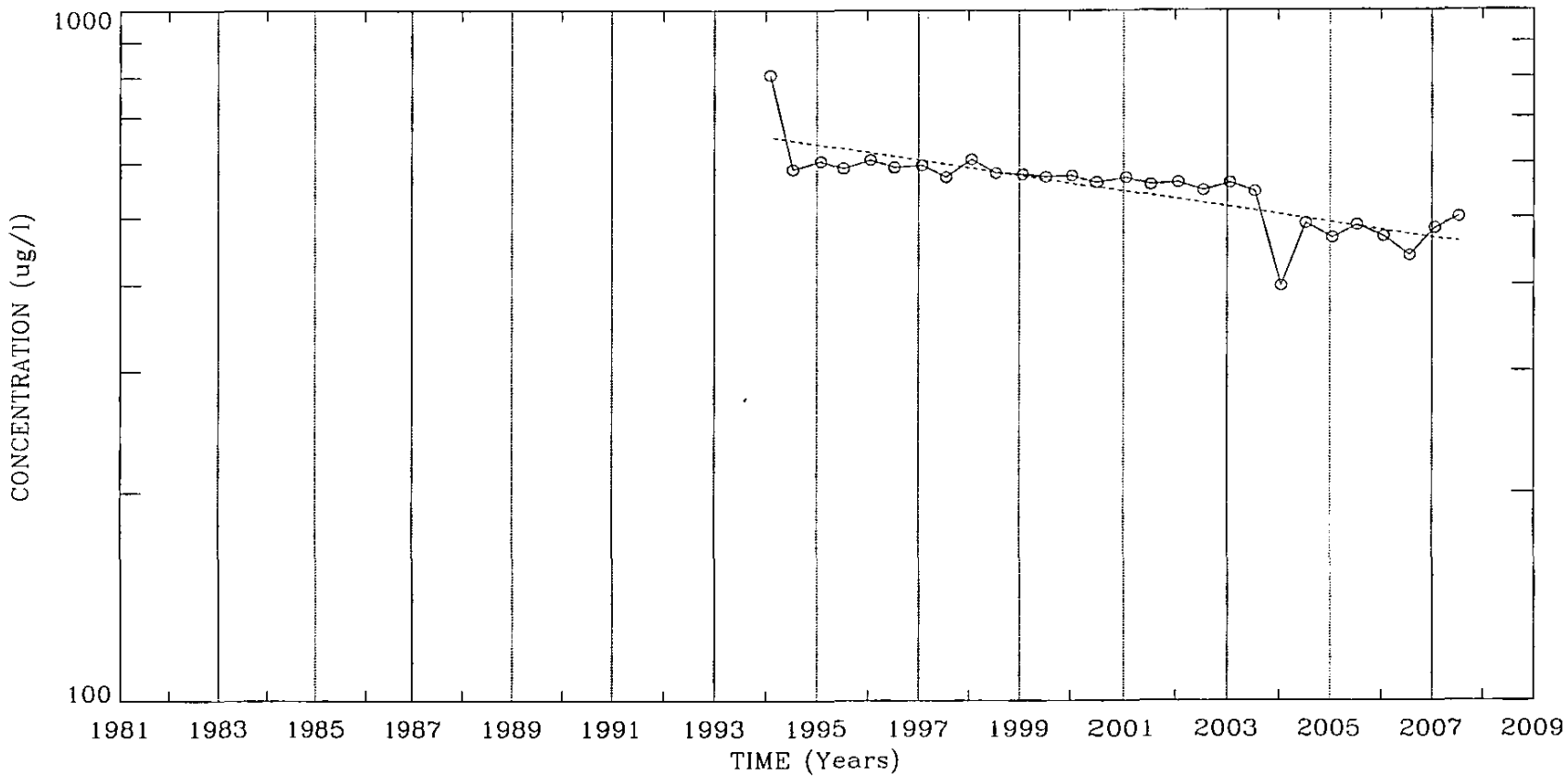

REGRESSION LINE EQUATION: $Y = 5.499E+001e^{0.0232x}$

Well 05C UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



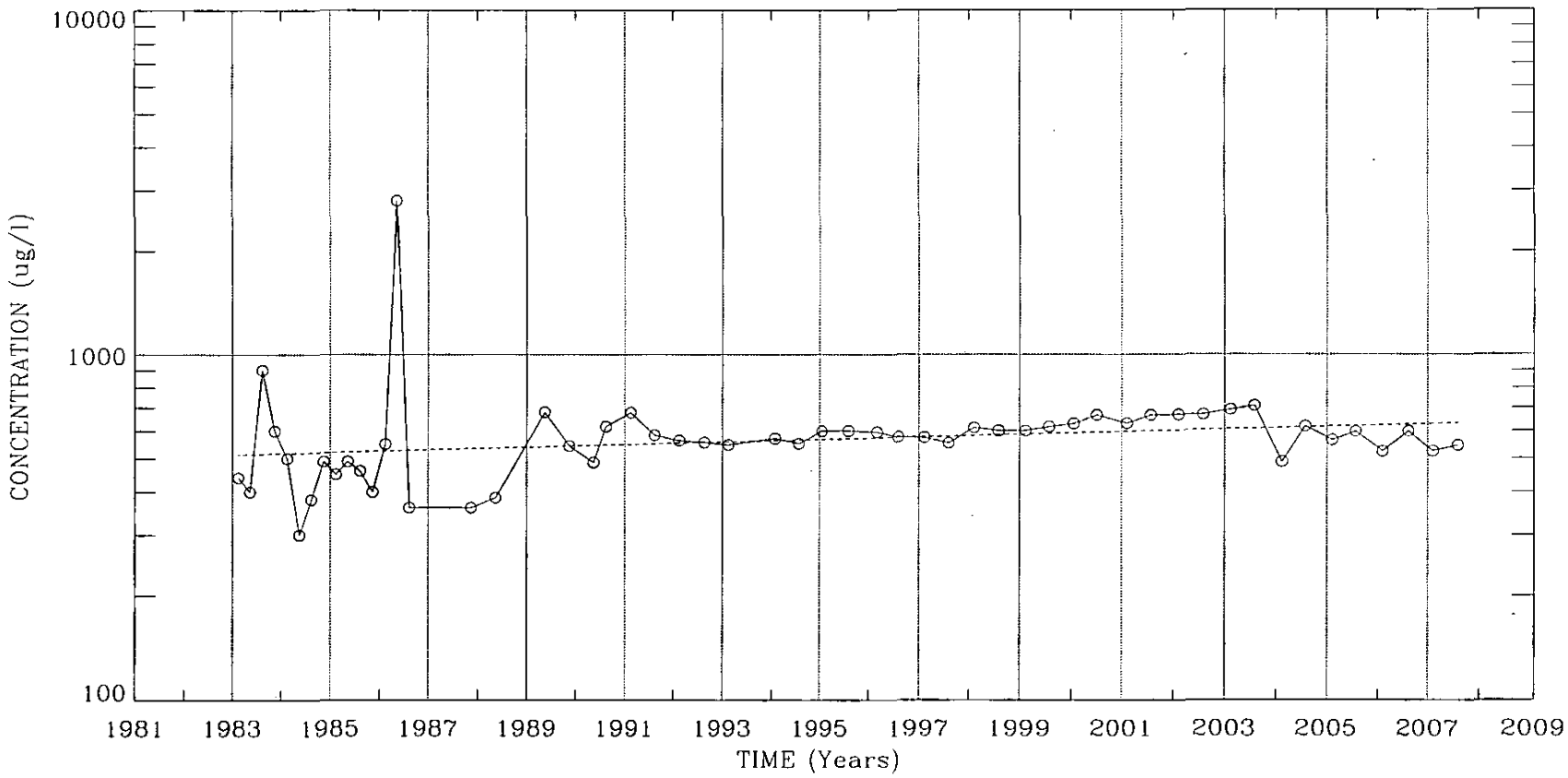

REGRESSION LINE EQUATION: $Y = 2.700E+003e^{-0.0144x}$

Well 05CU UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



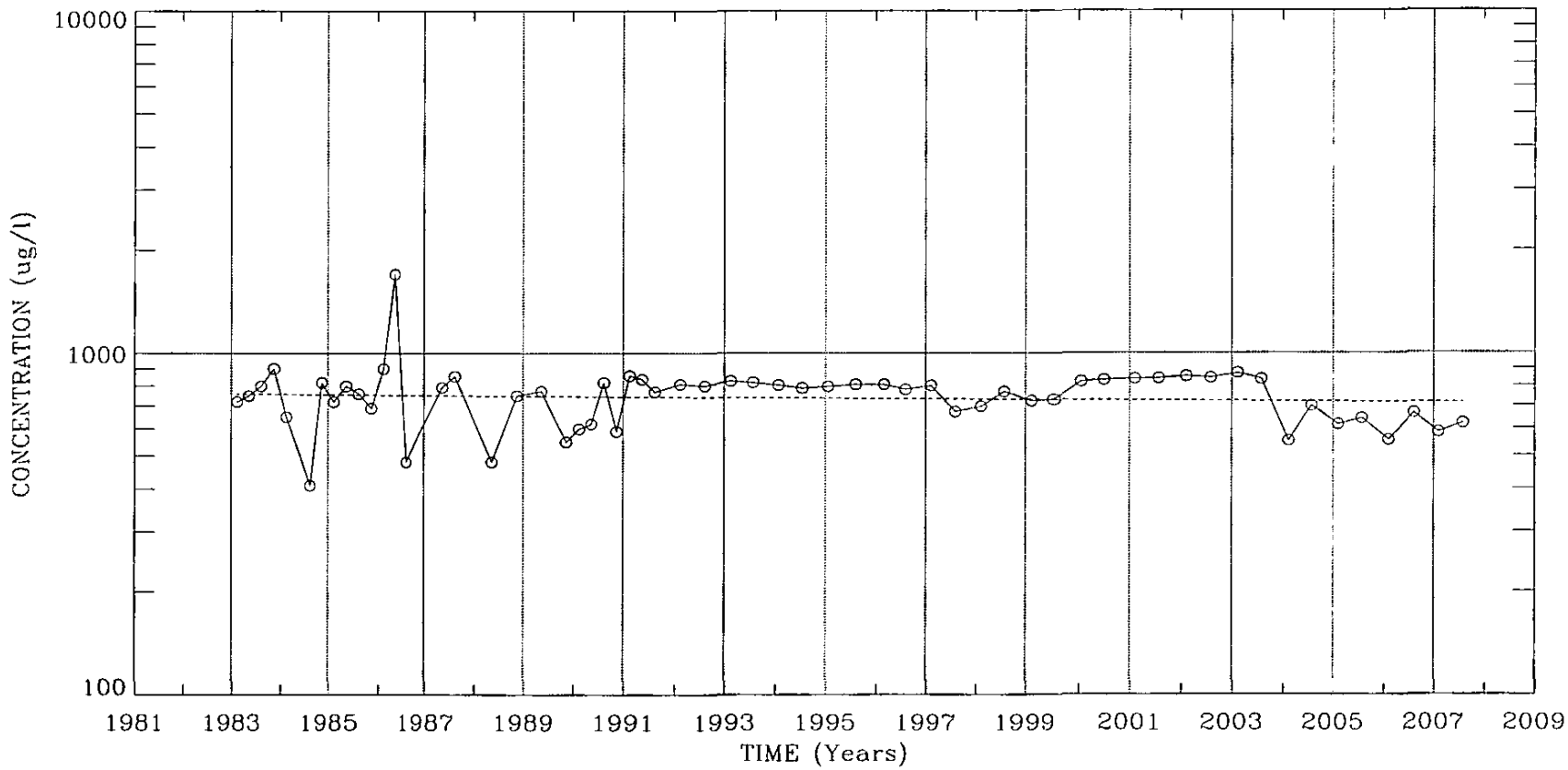

REGRESSION LINE EQUATION: $Y = 7.585E+003e^{-0.0260x}$

Well 06A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



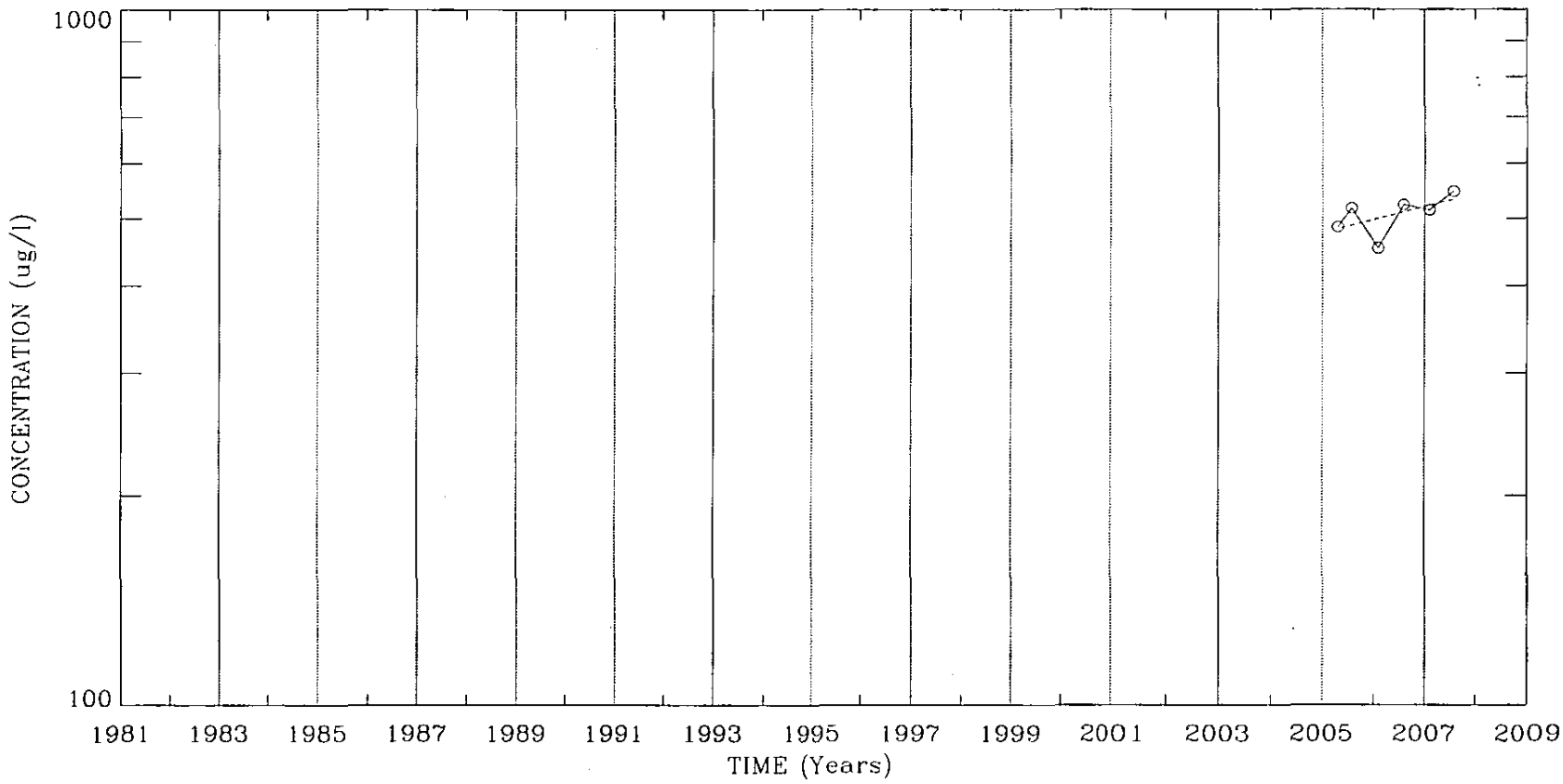

REGRESSION LINE EQUATION: $Y = 2.517E+002e^{0.0086x}$

Well 06B UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



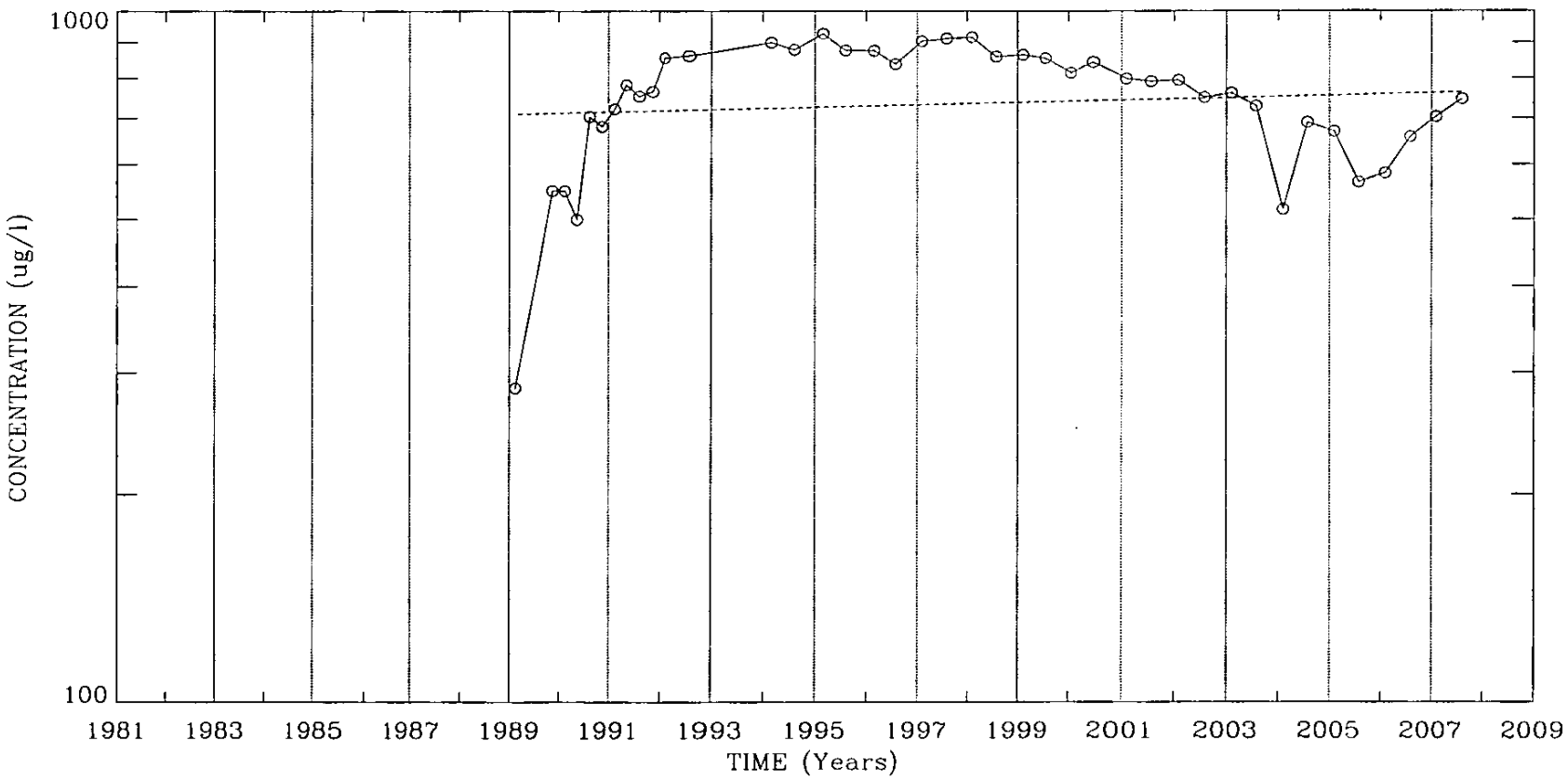

REGRESSION LINE EQUATION: $Y = 9.307E+002e^{-0.0024x}$

Well 06B-2R UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



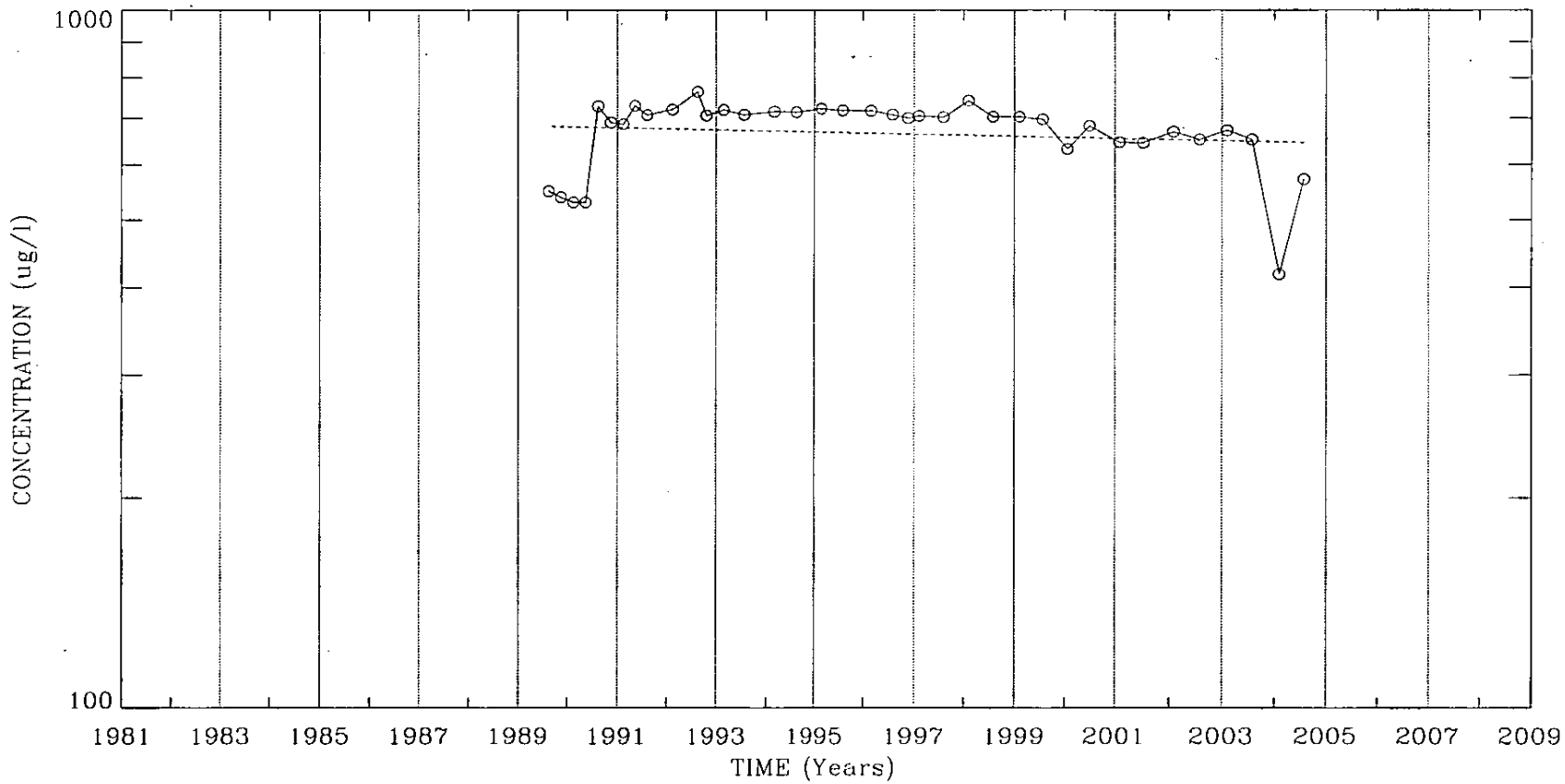

REGRESSION LINE EQUATION: $Y = 4.927E+000e^{0.0435x}$

Well 06BR UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



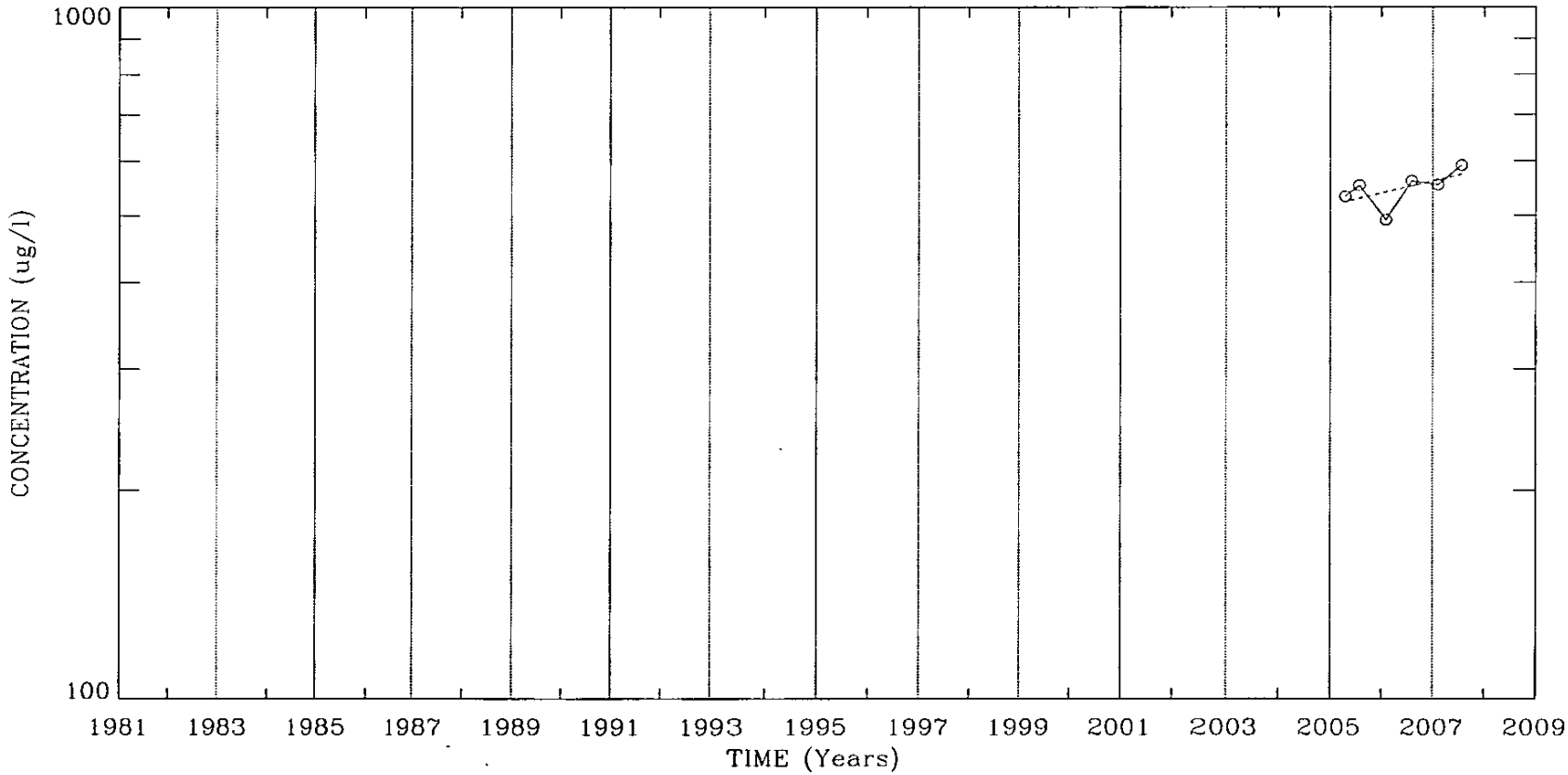

REGRESSION LINE EQUATION: $Y = 5.007E+002e^{0.0039x}$

Well 06C UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



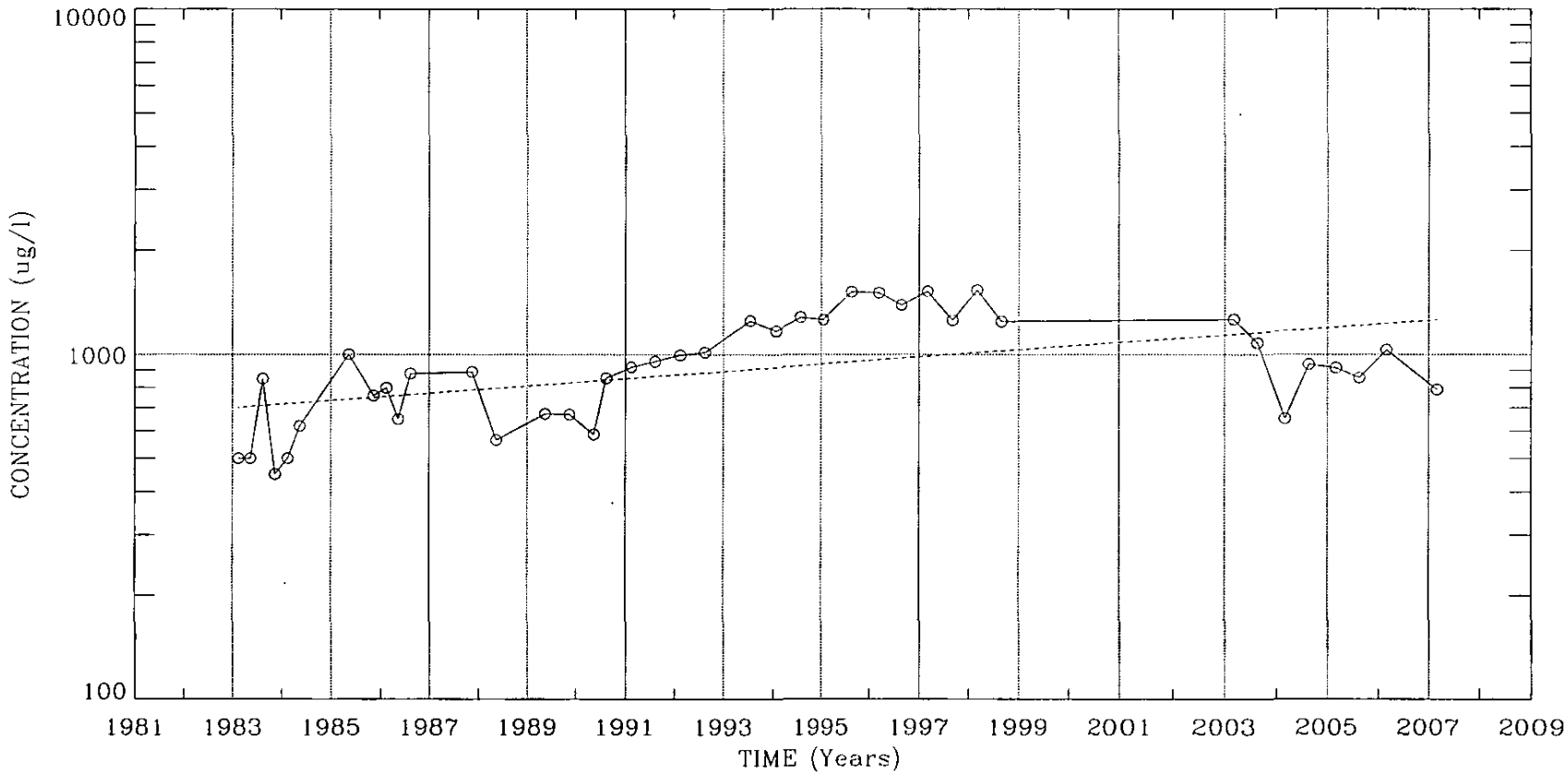

REGRESSION LINE EQUATION: $Y = 9.370E+002e^{-0.0036x}$

Well 06CR Unit 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



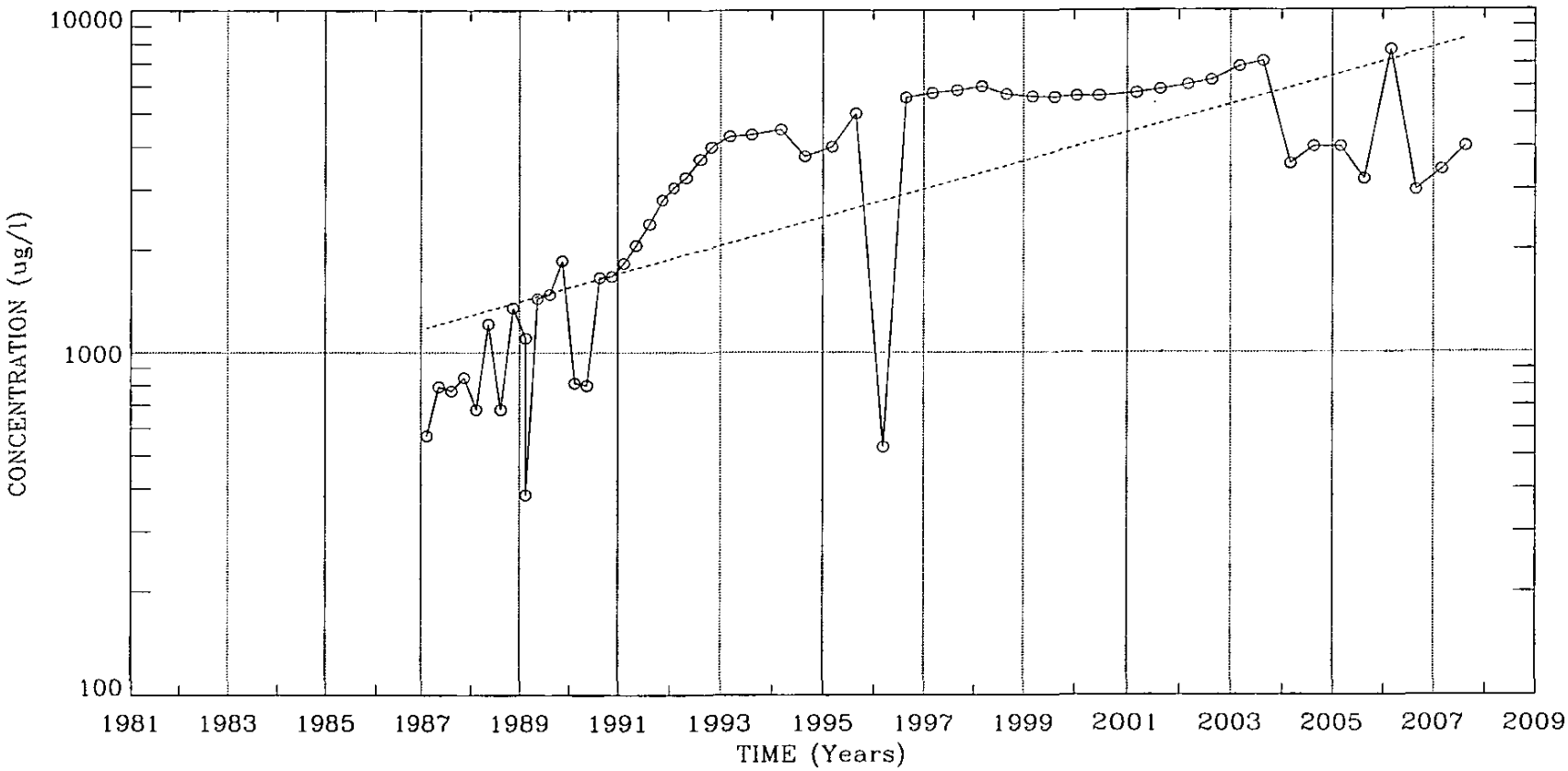

REGRESSION LINE EQUATION: $Y = 7.681E+000e^{0.0401x}$

Well 07A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



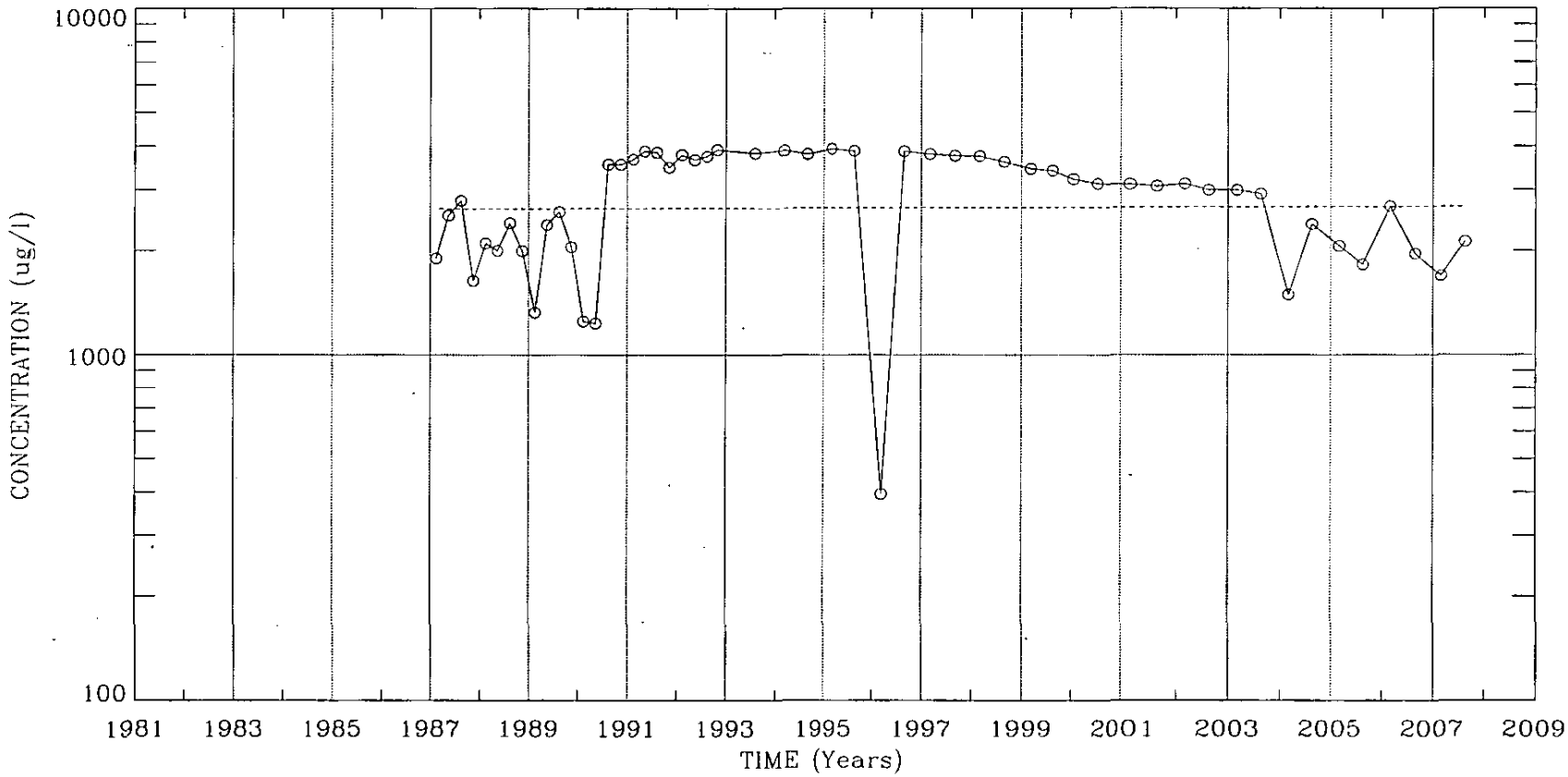

REGRESSION LINE EQUATION: $Y = 9.308E+001e^{0.0243x}$

Well 07B UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



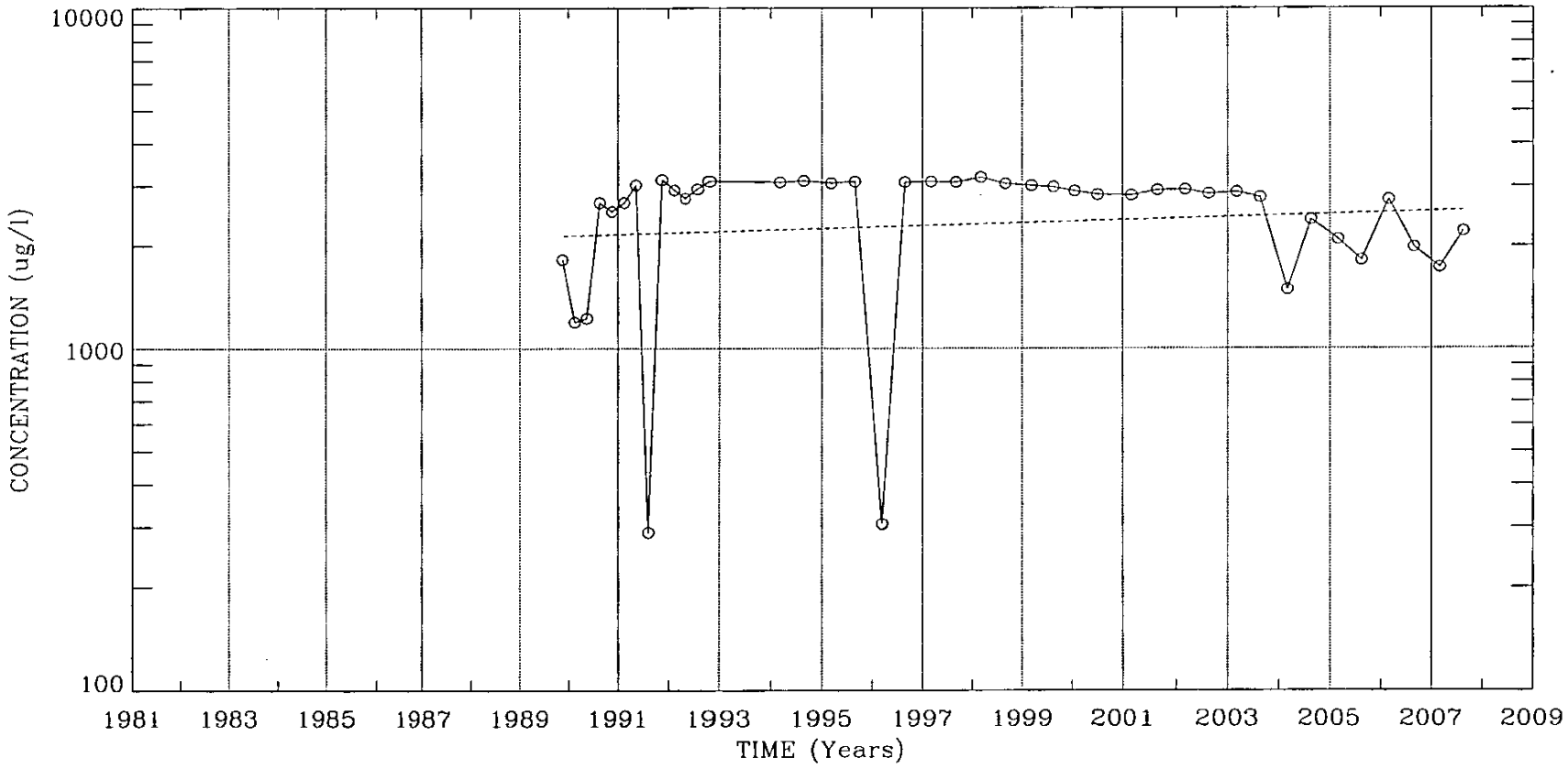

REGRESSION LINE EQUATION: $Y = 3.077E-001e^{0.0947x}$

Well 08B UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



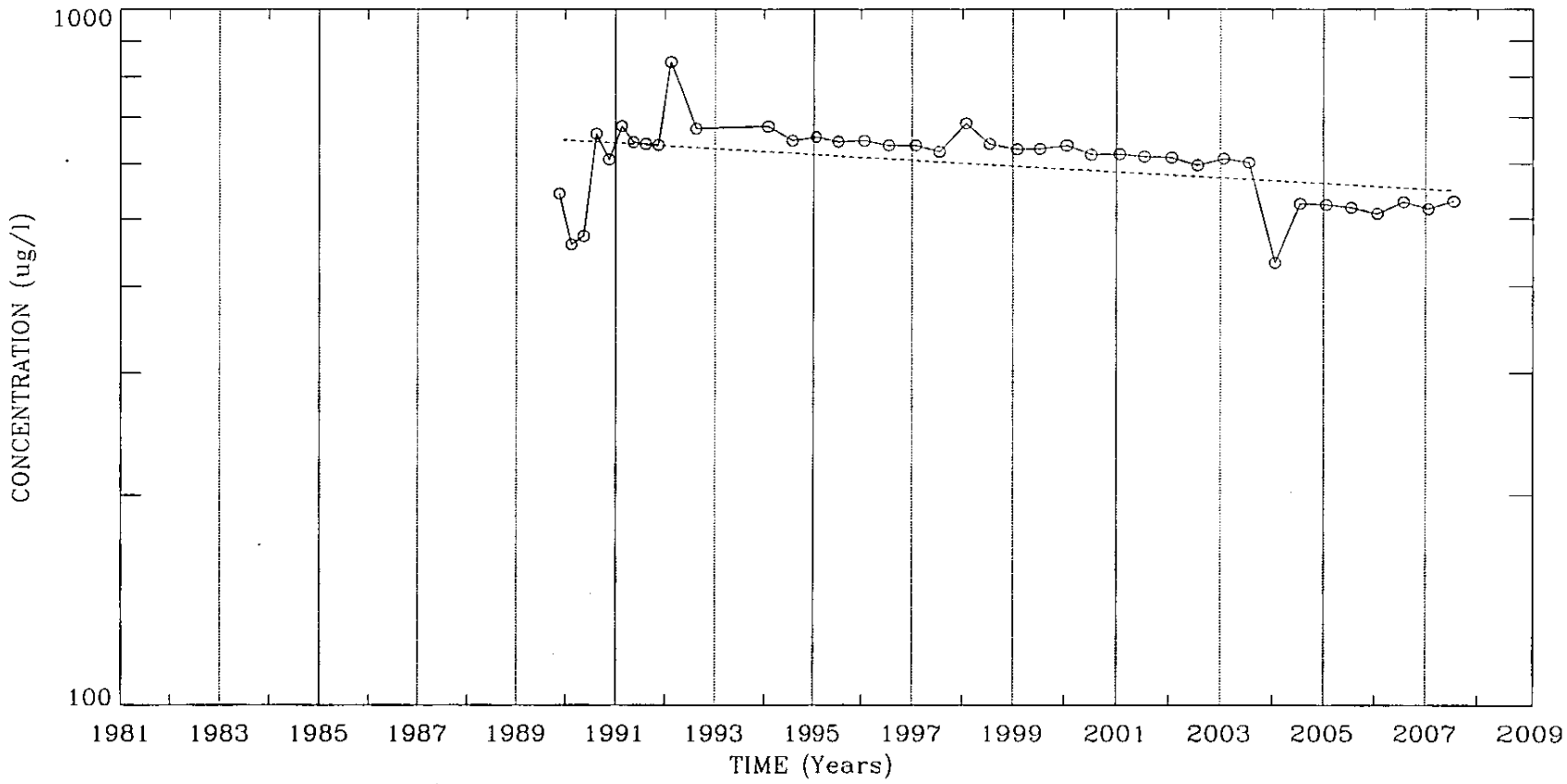

REGRESSION LINE EQUATION: $Y = 2.465E+003e^{0.0008x}$

Well 08B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



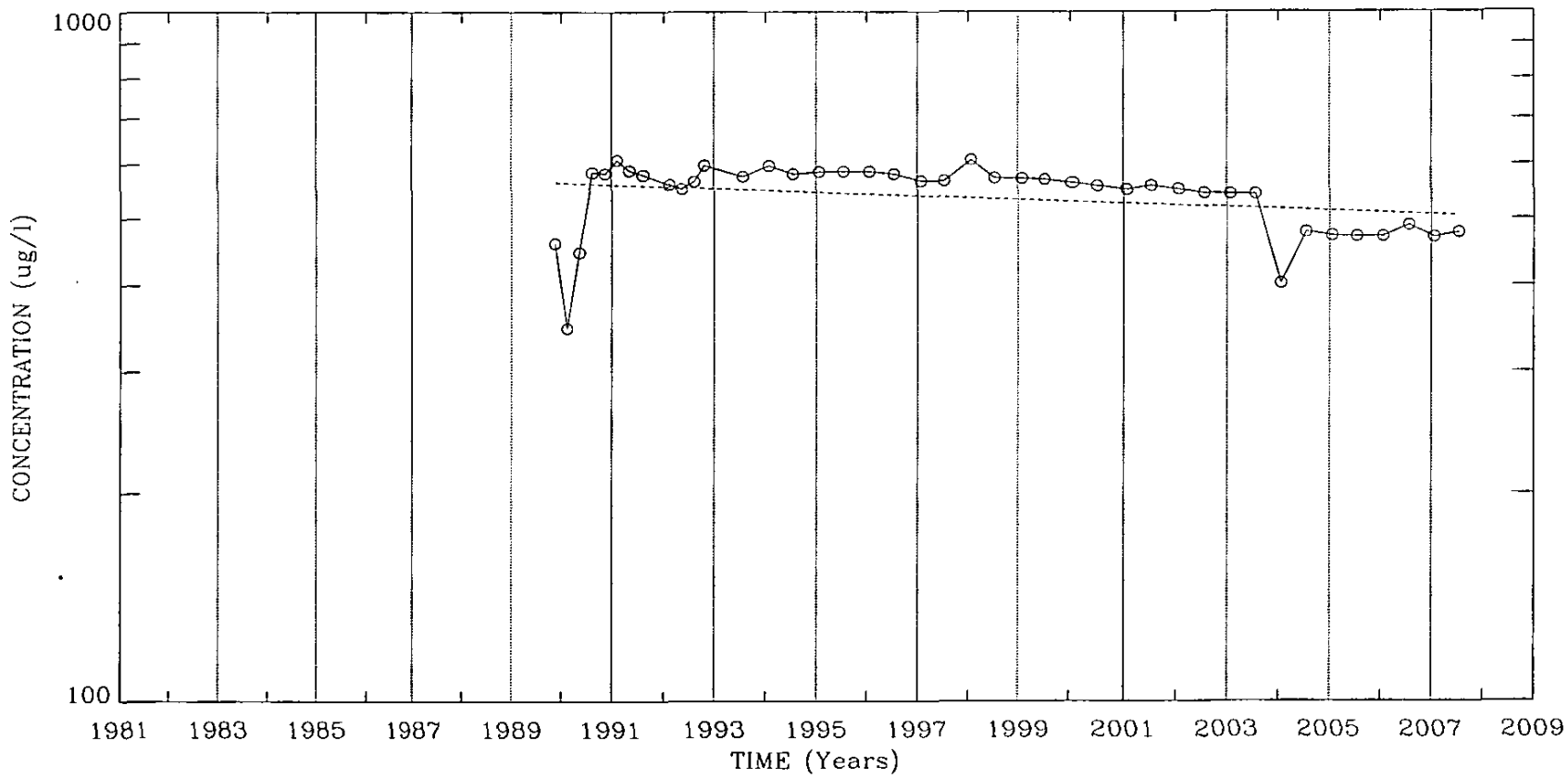

REGRESSION LINE EQUATION: $Y = 8.810E+002e^{0.0099x}$

Well 08B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



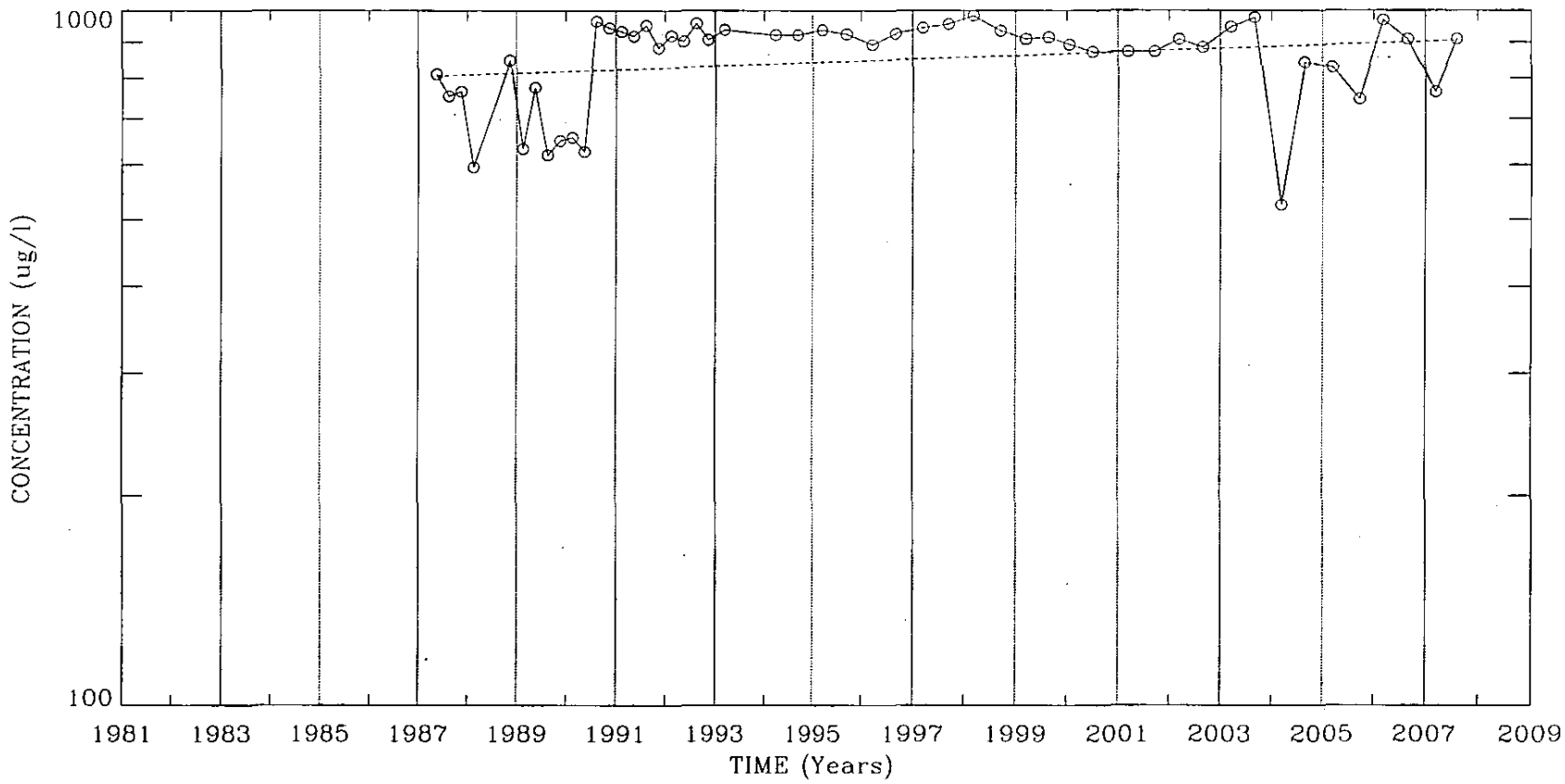

REGRESSION LINE EQUATION: $Y = 1.534E+003e^{-0.0096x}$

Well 08C UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



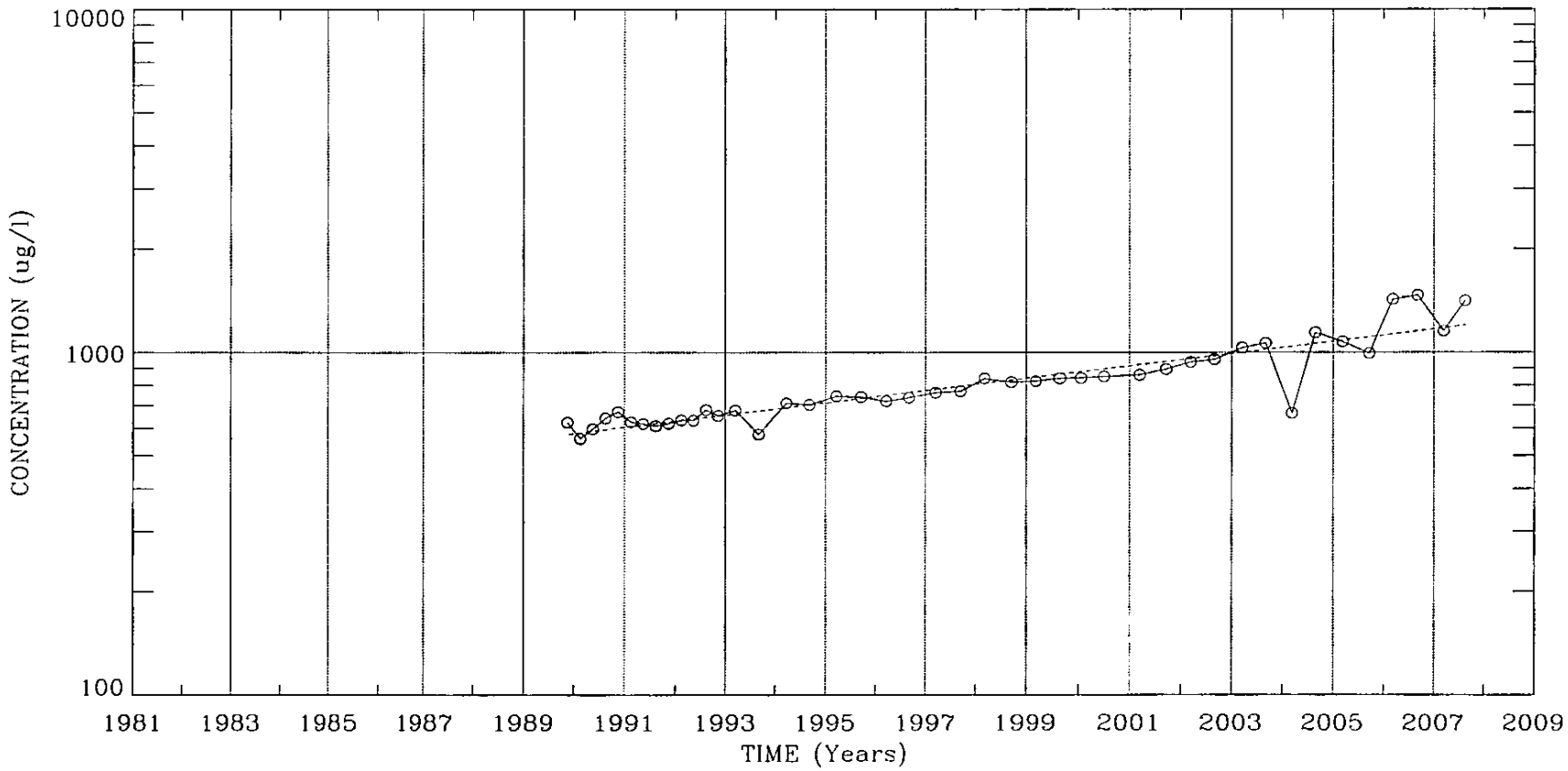

REGRESSION LINE EQUATION: $Y = 9.967E+002e^{-0.0063x}$

Well 09A UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



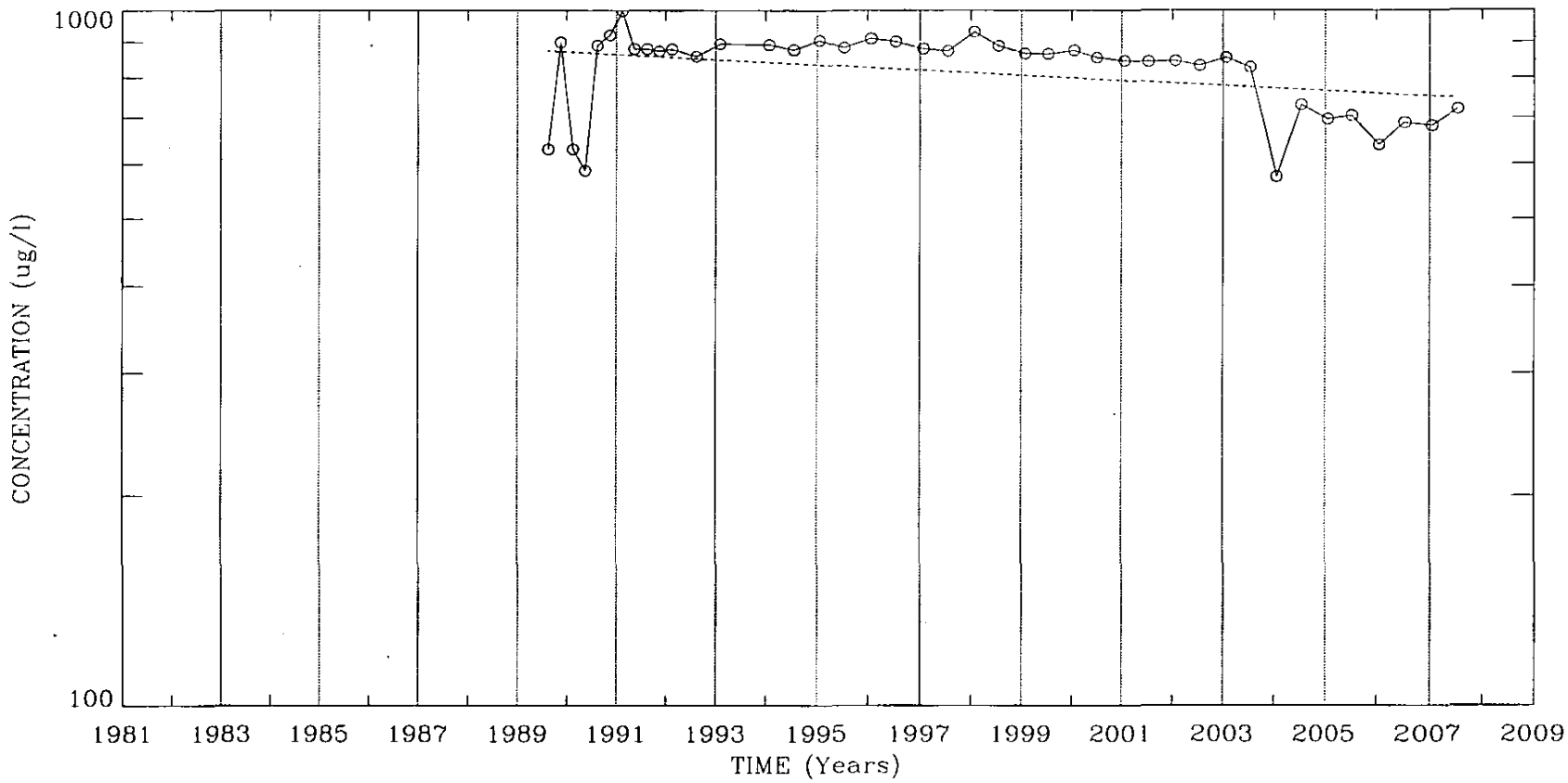

REGRESSION LINE EQUATION: $Y = 4.854E+002e^{0.0058x}$

Well 09AW UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



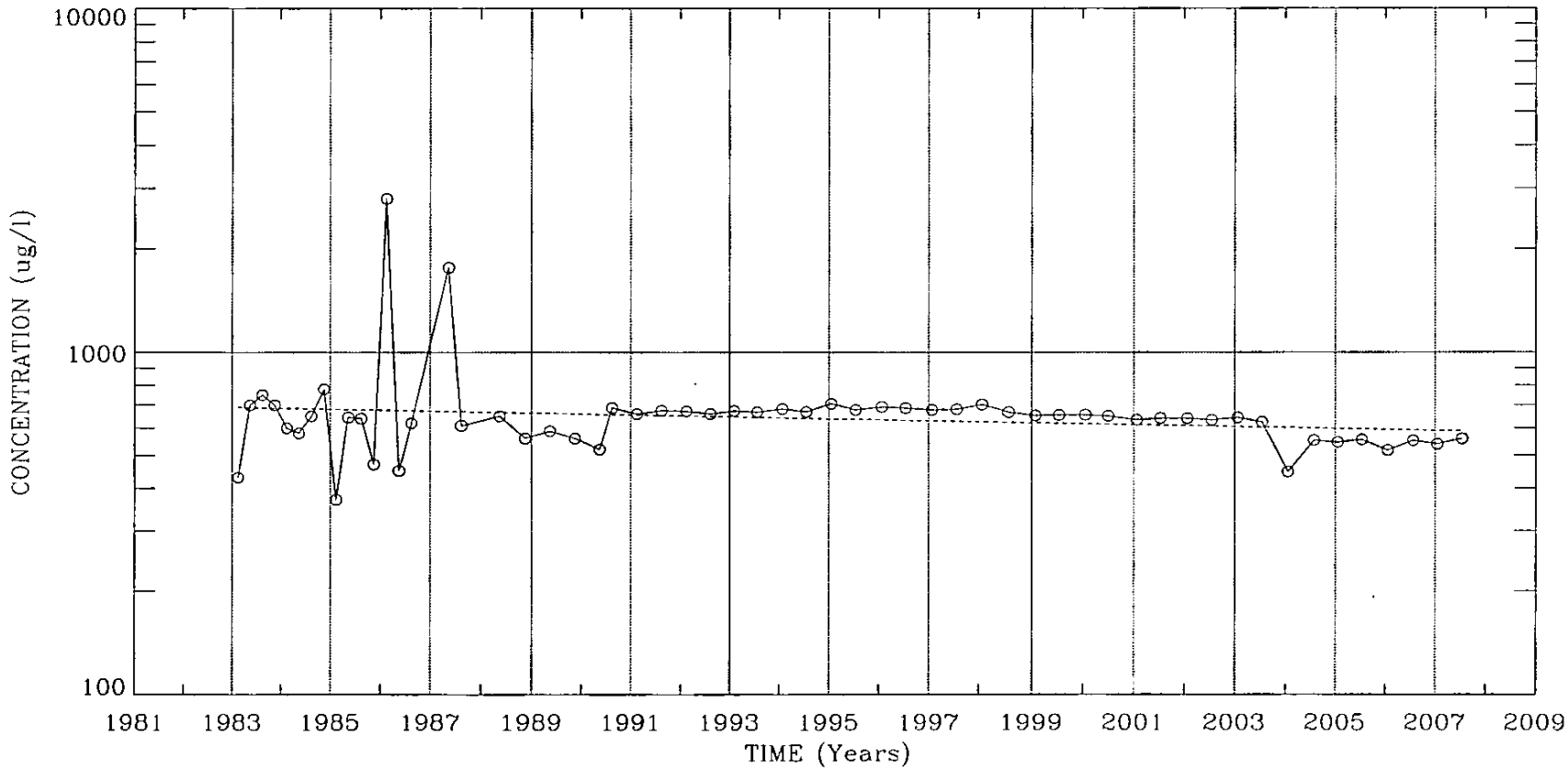

REGRESSION LINE EQUATION: $Y = 1.418E+001e^{0.0412x}$

Well 09B-1 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



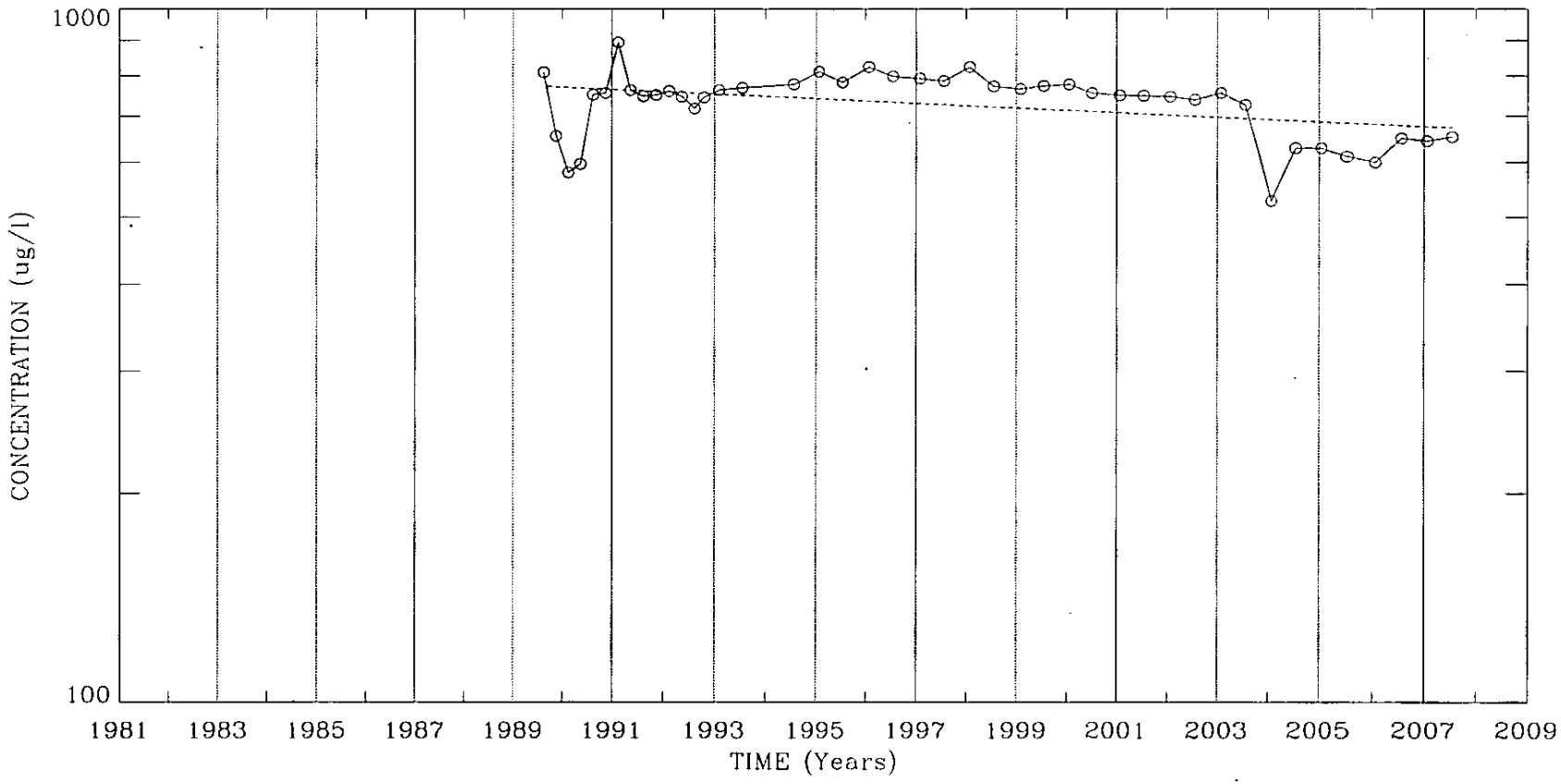

REGRESSION LINE EQUATION: $Y = 1.902E+003e^{-0.0087x}$

Well 09CR UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



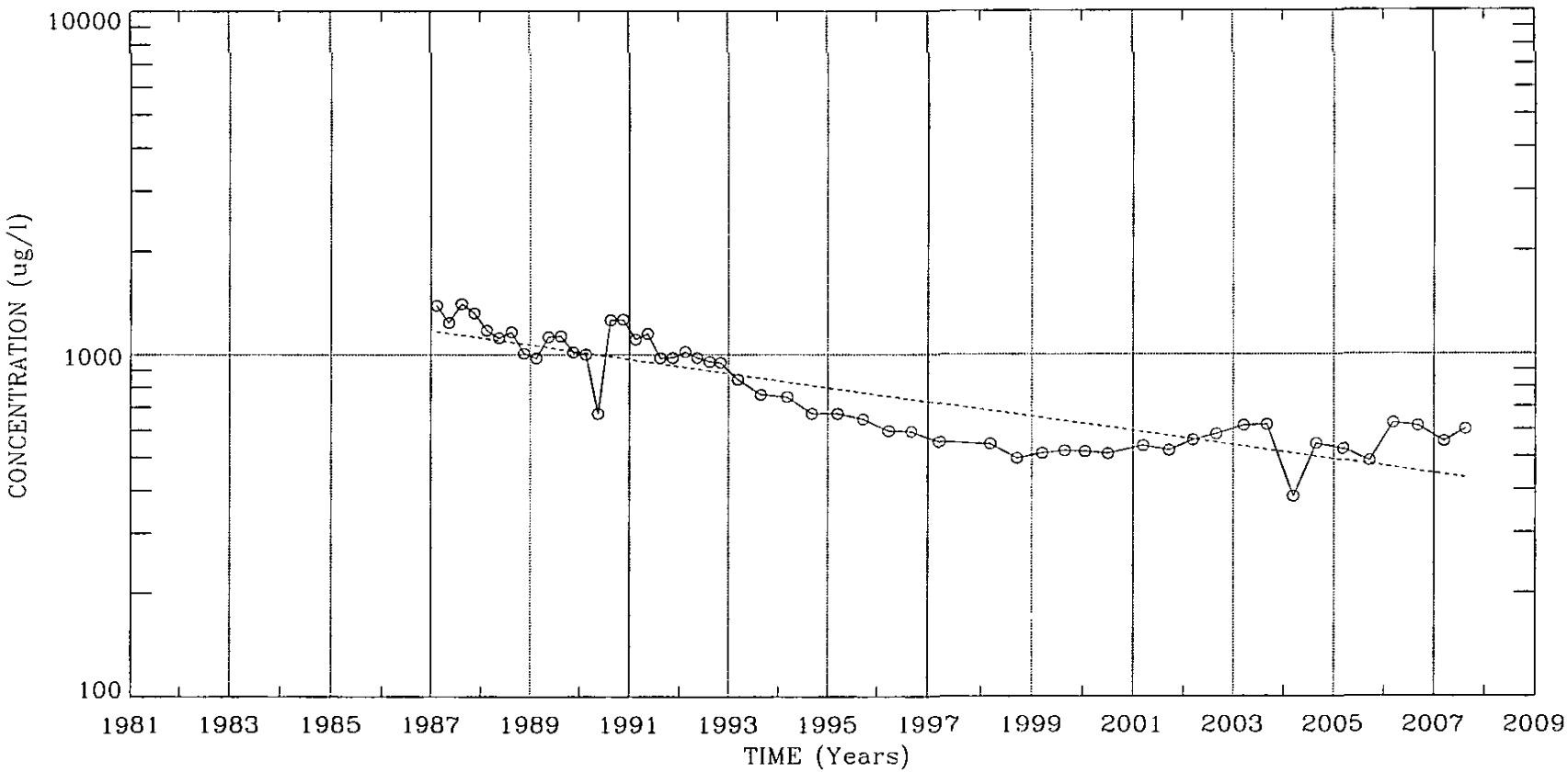

REGRESSION LINE EQUATION: $Y = 1.184E+003e^{-0.0065x}$

Well 10AW UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



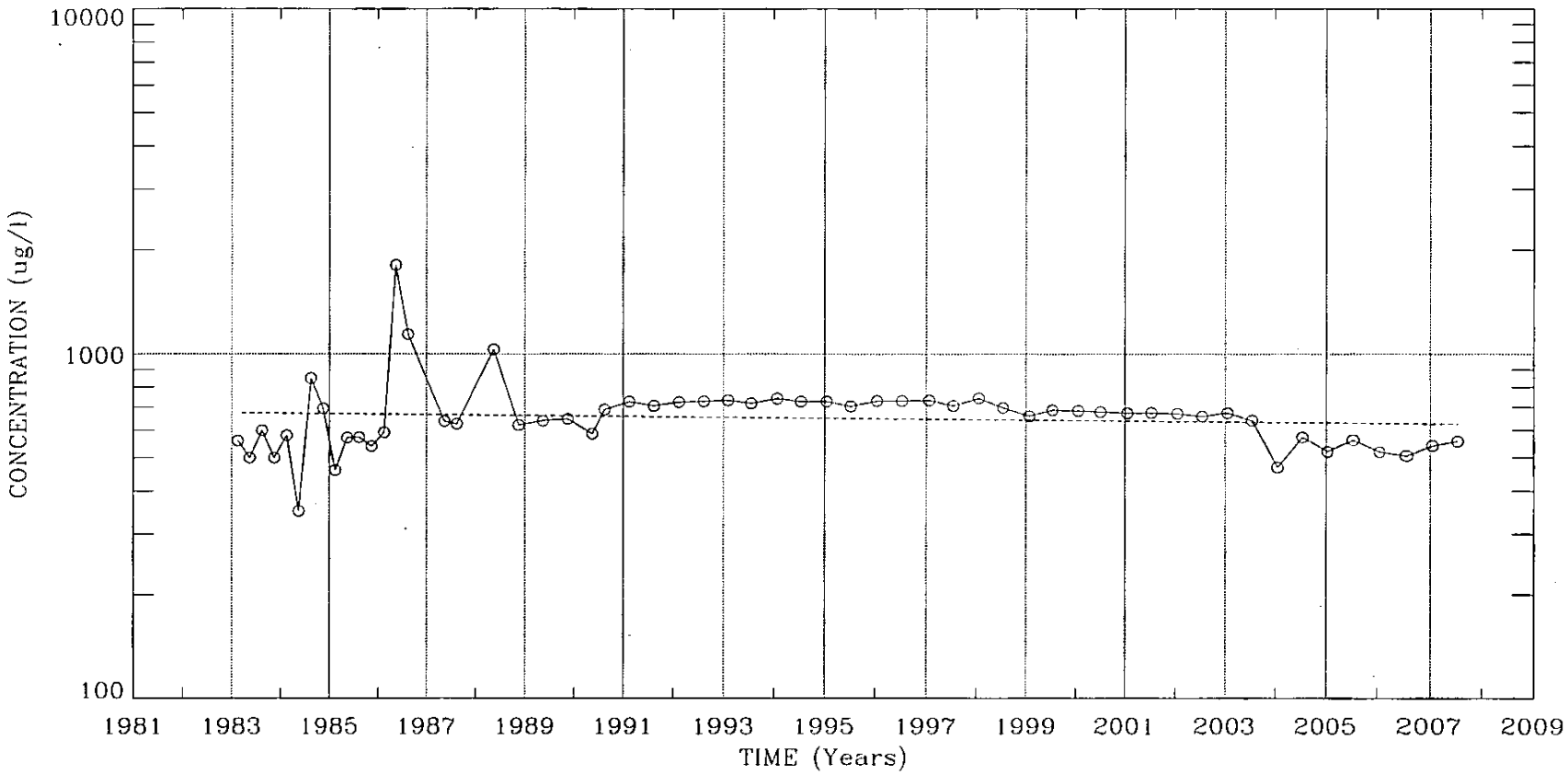

REGRESSION LINE EQUATION: $Y = 1.547E+003e^{-0.0077x}$

Well 11A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



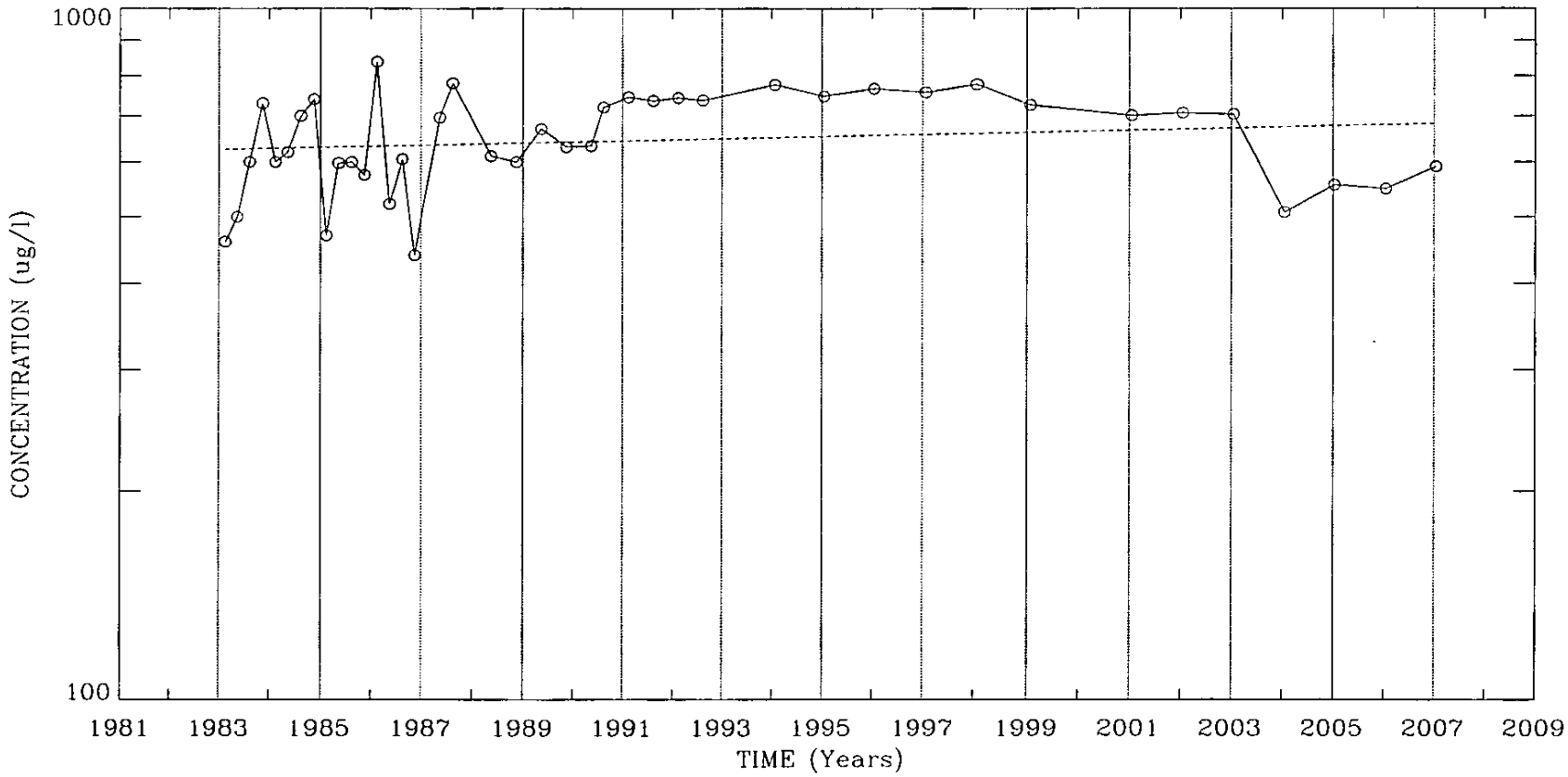

REGRESSION LINE EQUATION: $Y = 7.874E+004e^{-0.0483x}$

Well 11B UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



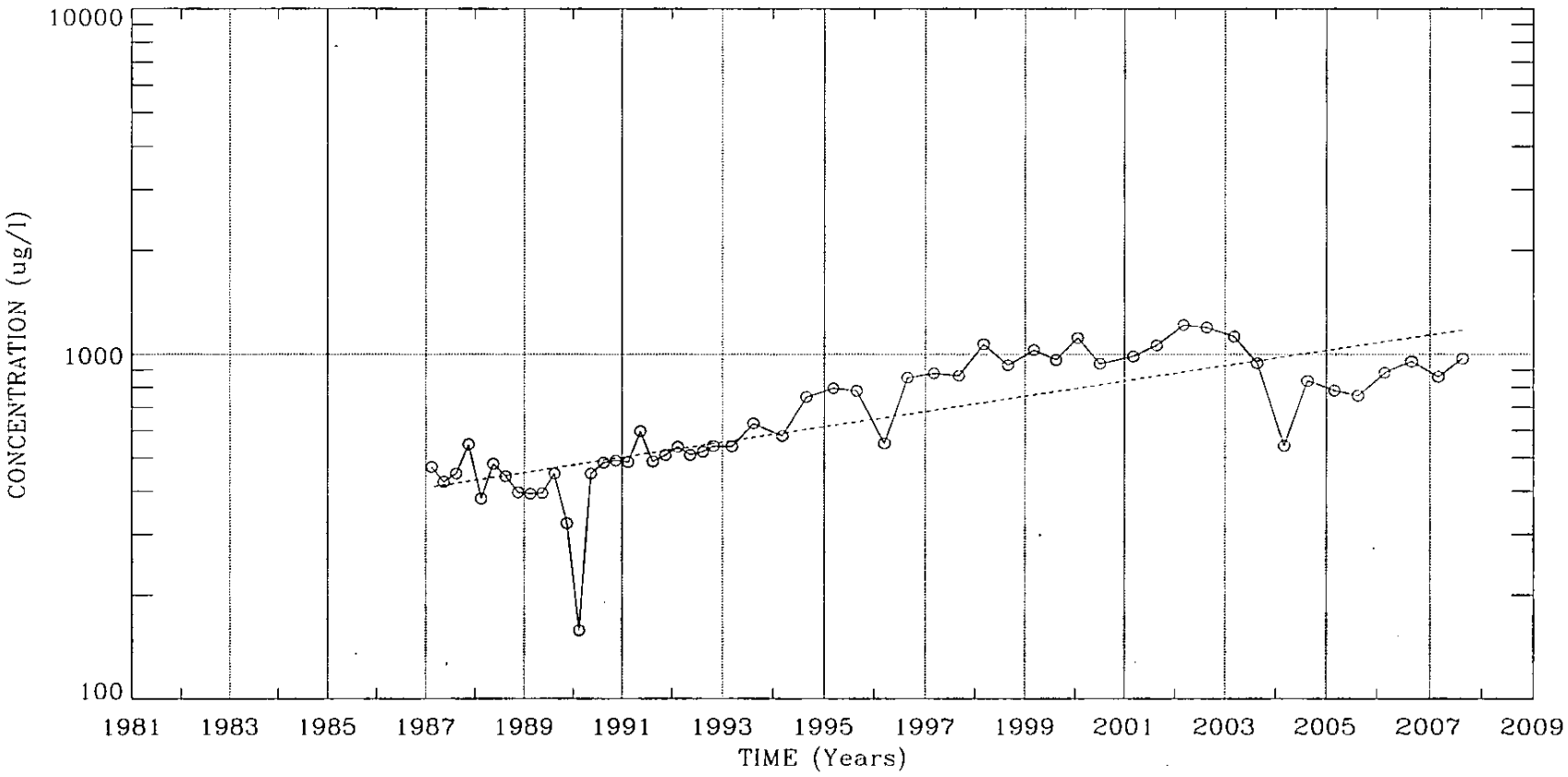

REGRESSION LINE EQUATION: $Y = 8.715E+002e^{-0.0031x}$

Well 11C UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



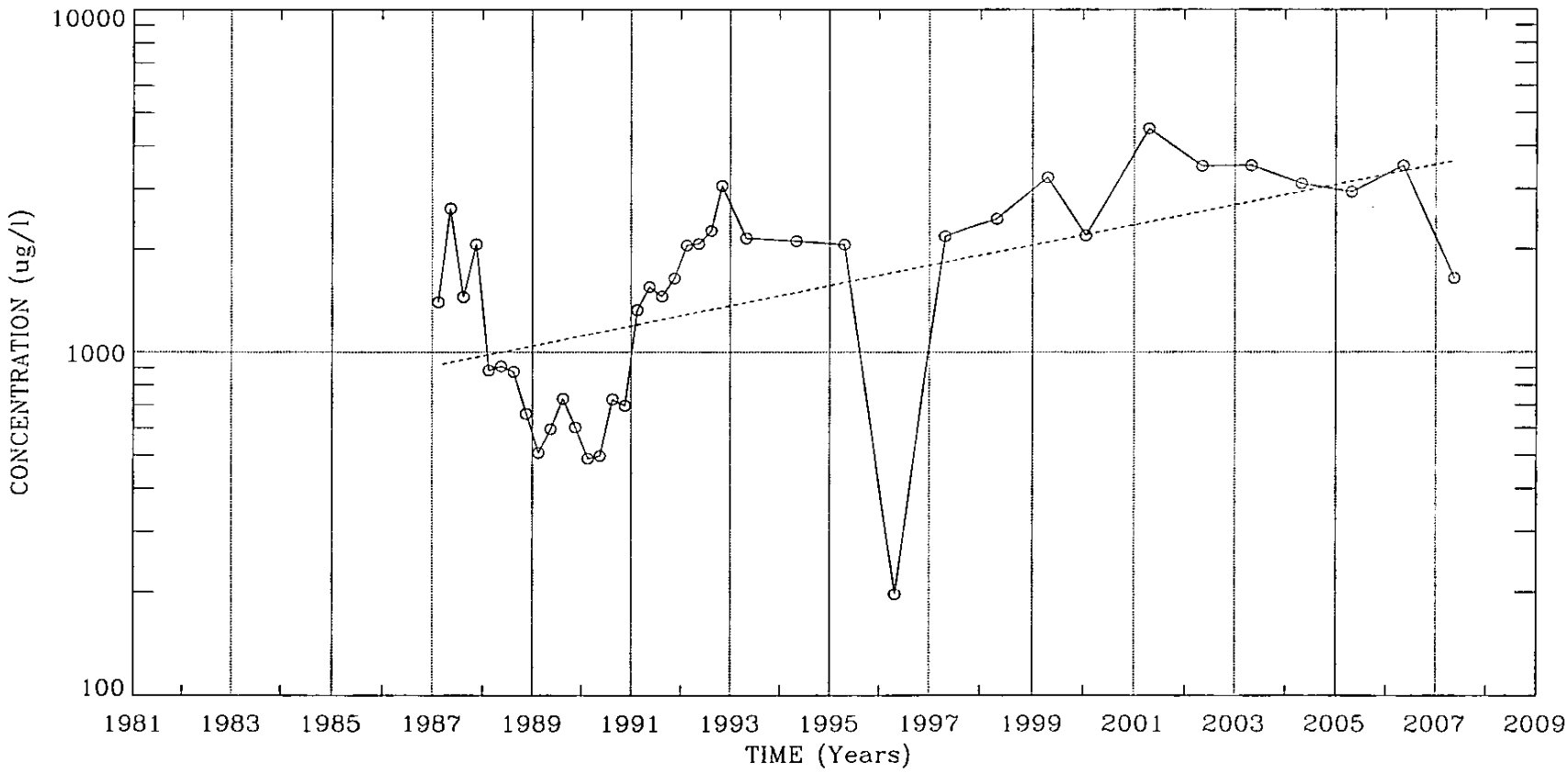

REGRESSION LINE EQUATION: $Y = 4.641E+002e^{0.0036x}$

Well 12A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



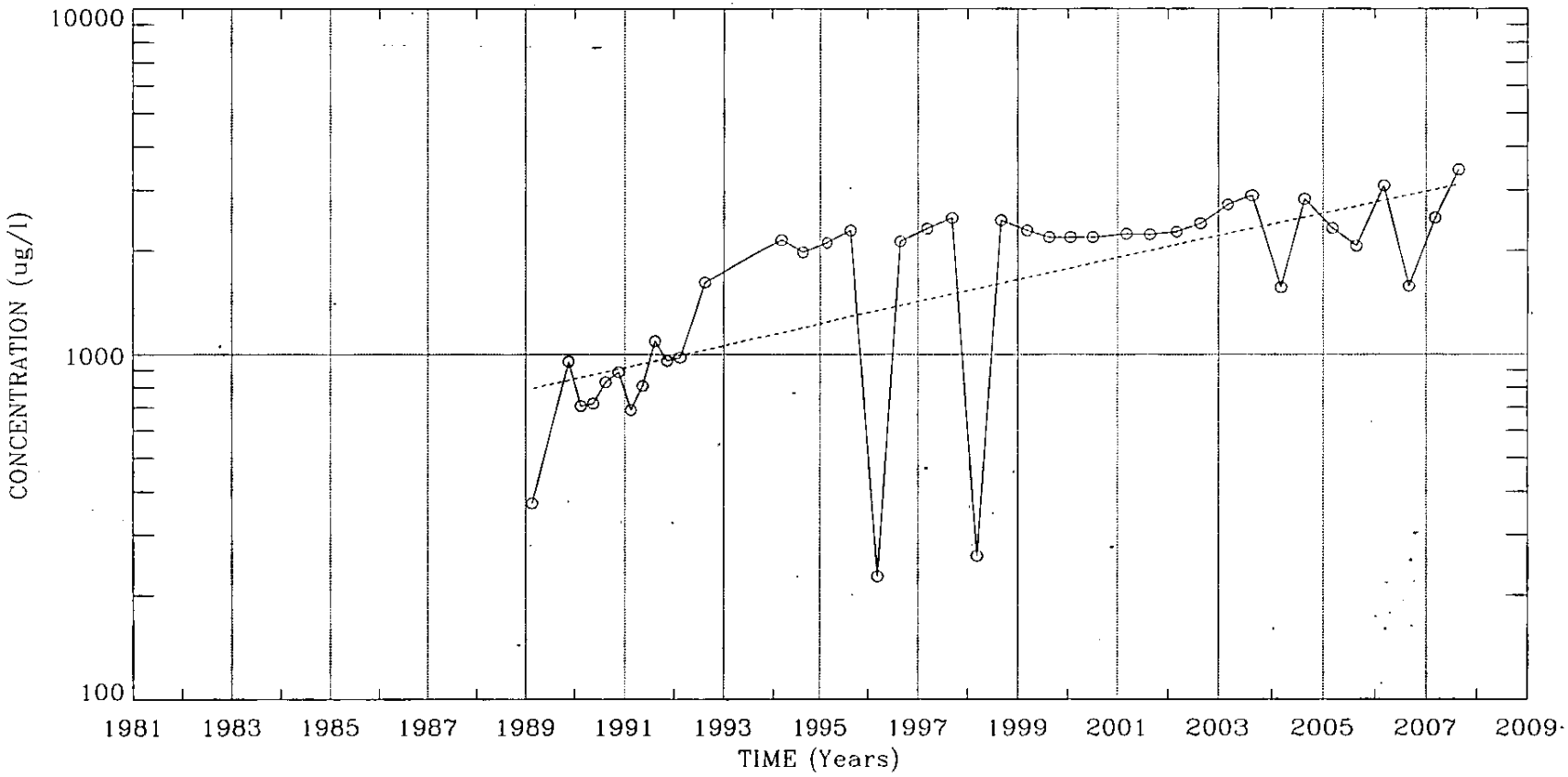

REGRESSION LINE EQUATION: $Y = 4.781E+000e^{0.0511x}$

Well 13A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



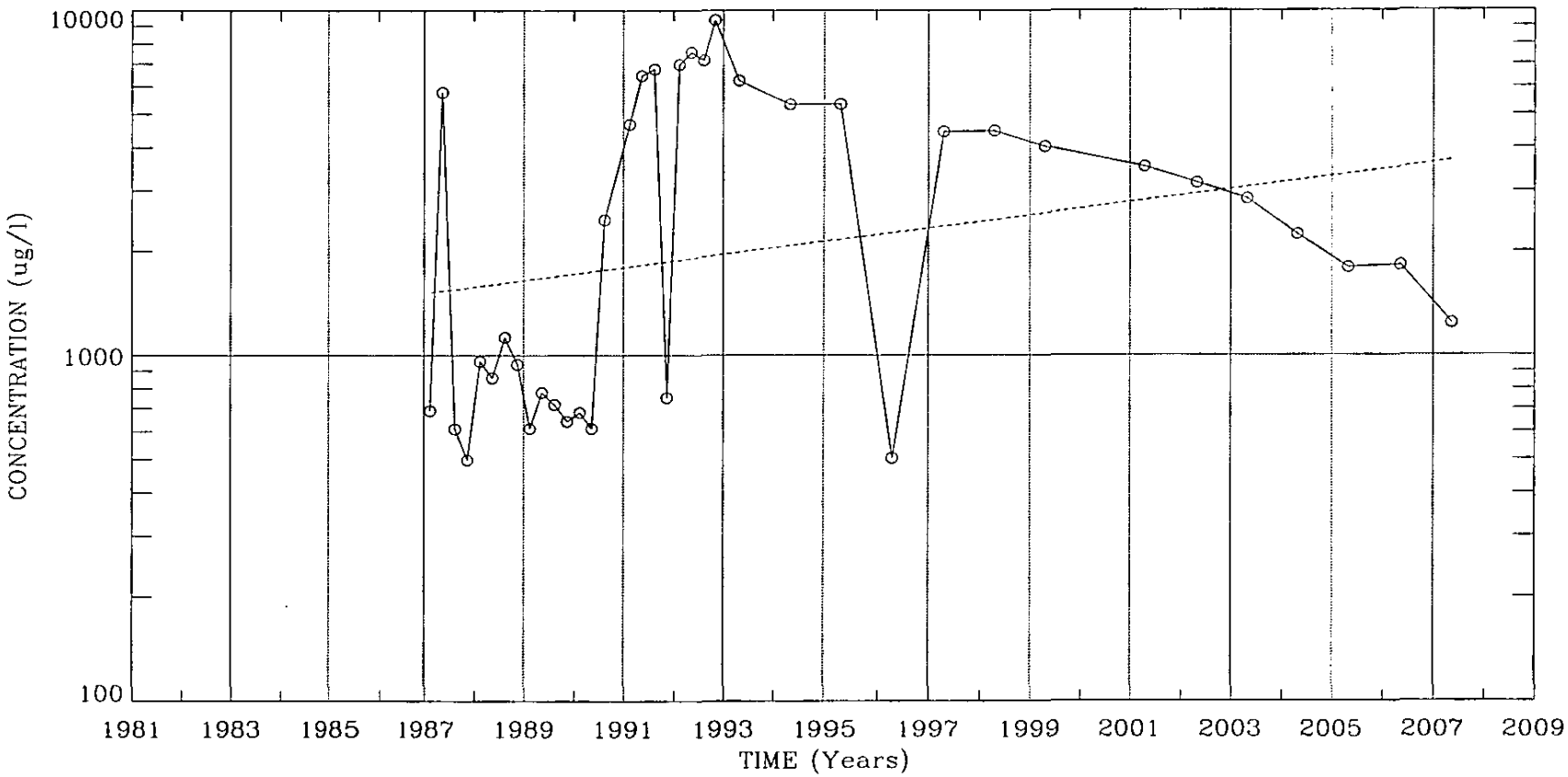

REGRESSION LINE EQUATION: $Y = 2.484E+000e^{0.0678x}$

Well 13AR UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



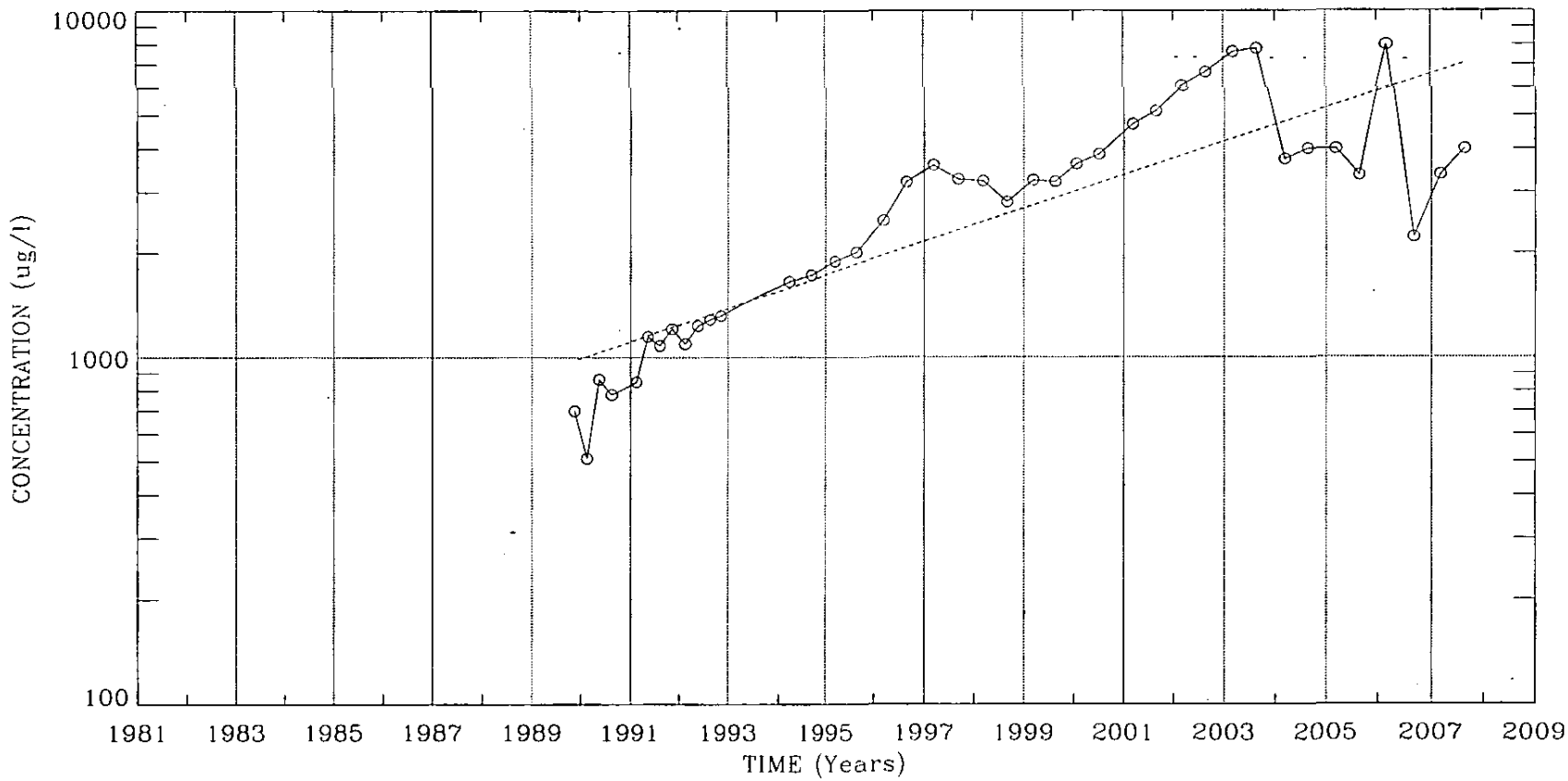

REGRESSION LINE EQUATION: $Y = 1.117E+000e^{0.0737x}$

Well 13B UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



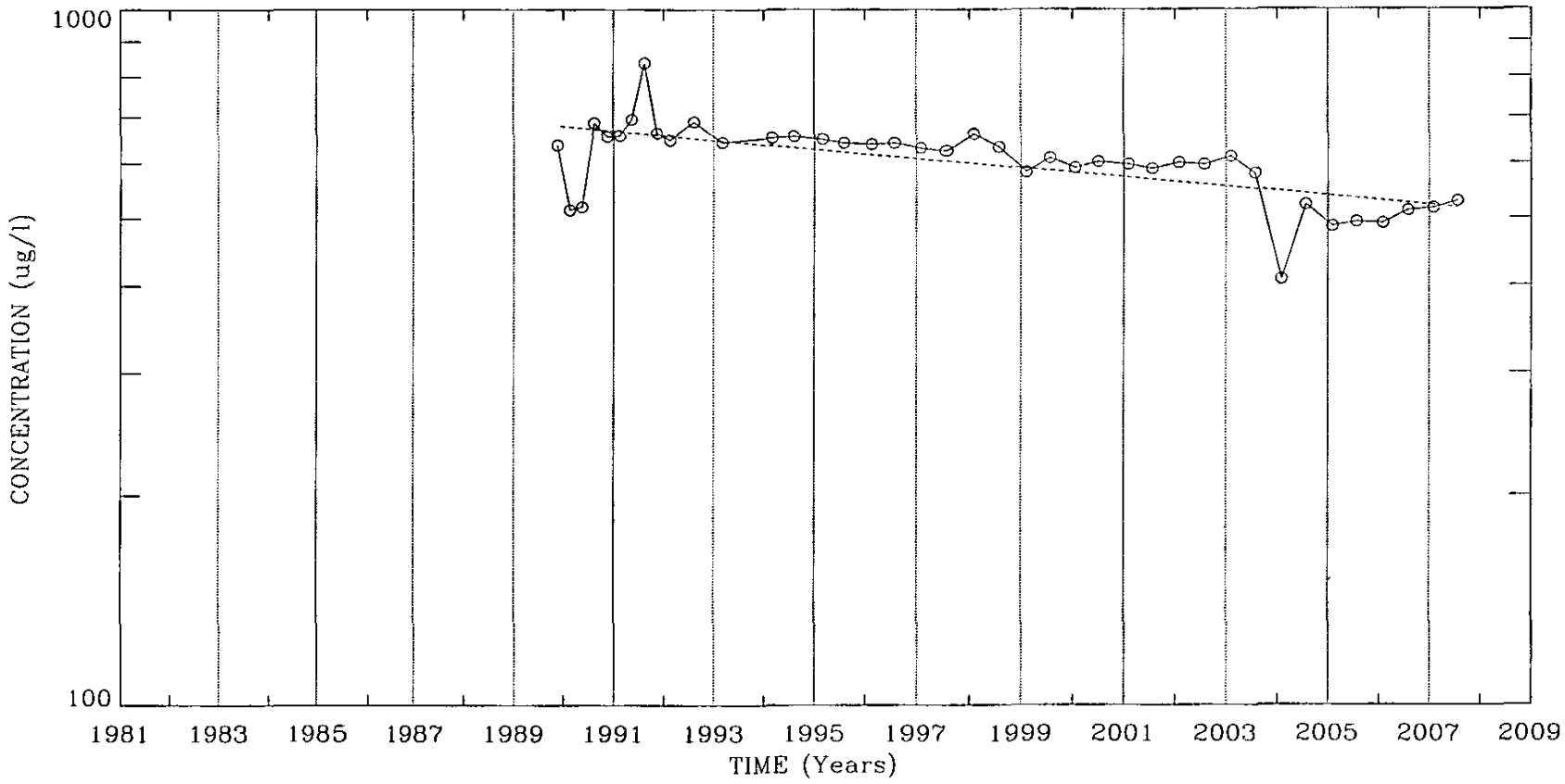

REGRESSION LINE EQUATION: $Y = 3.401E+001e^{0.0436x}$

Well 13B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



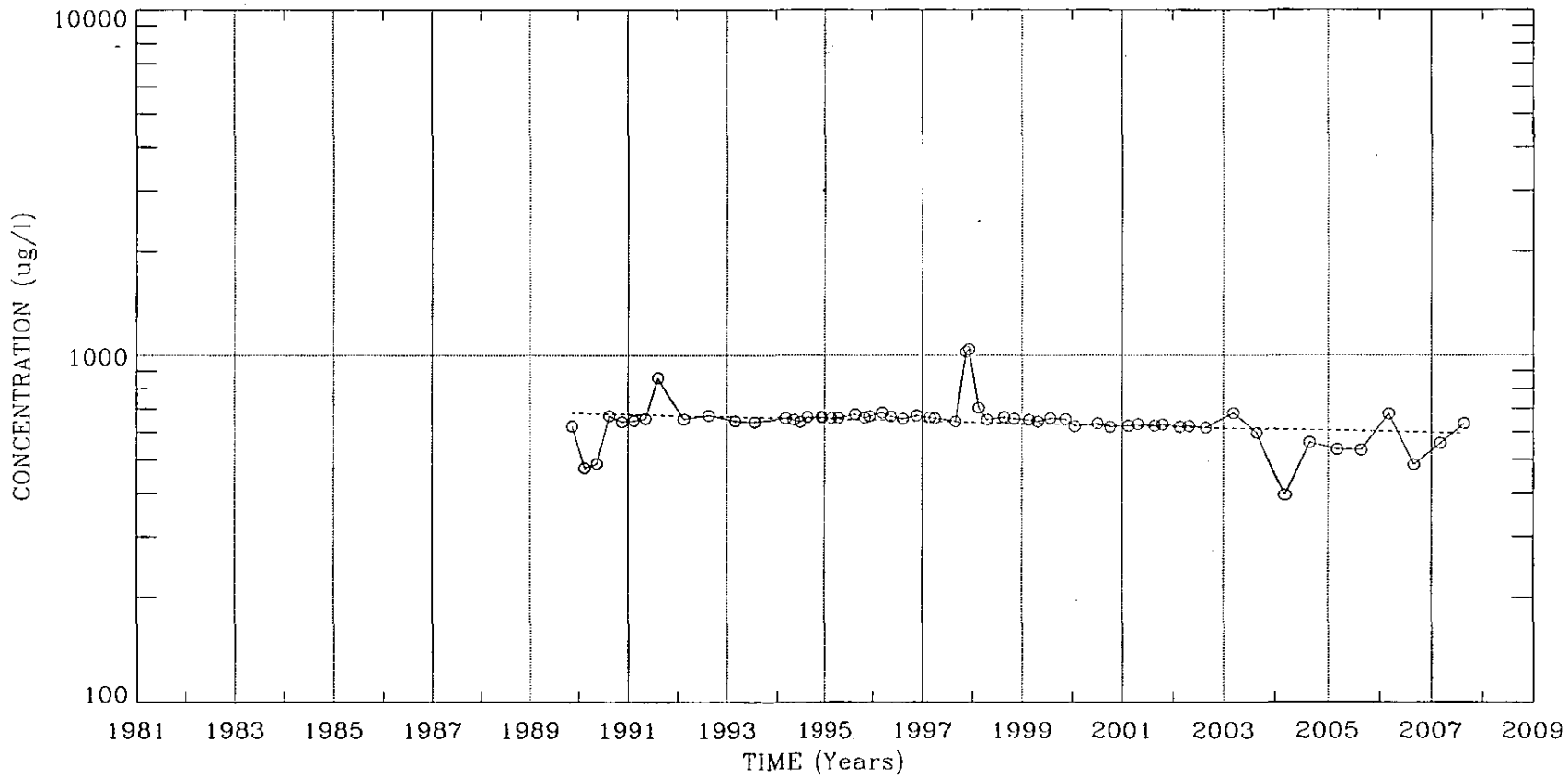

REGRESSION LINE EQUATION: $Y = 4.511E-002e^{0.1111x}$

Well 13B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



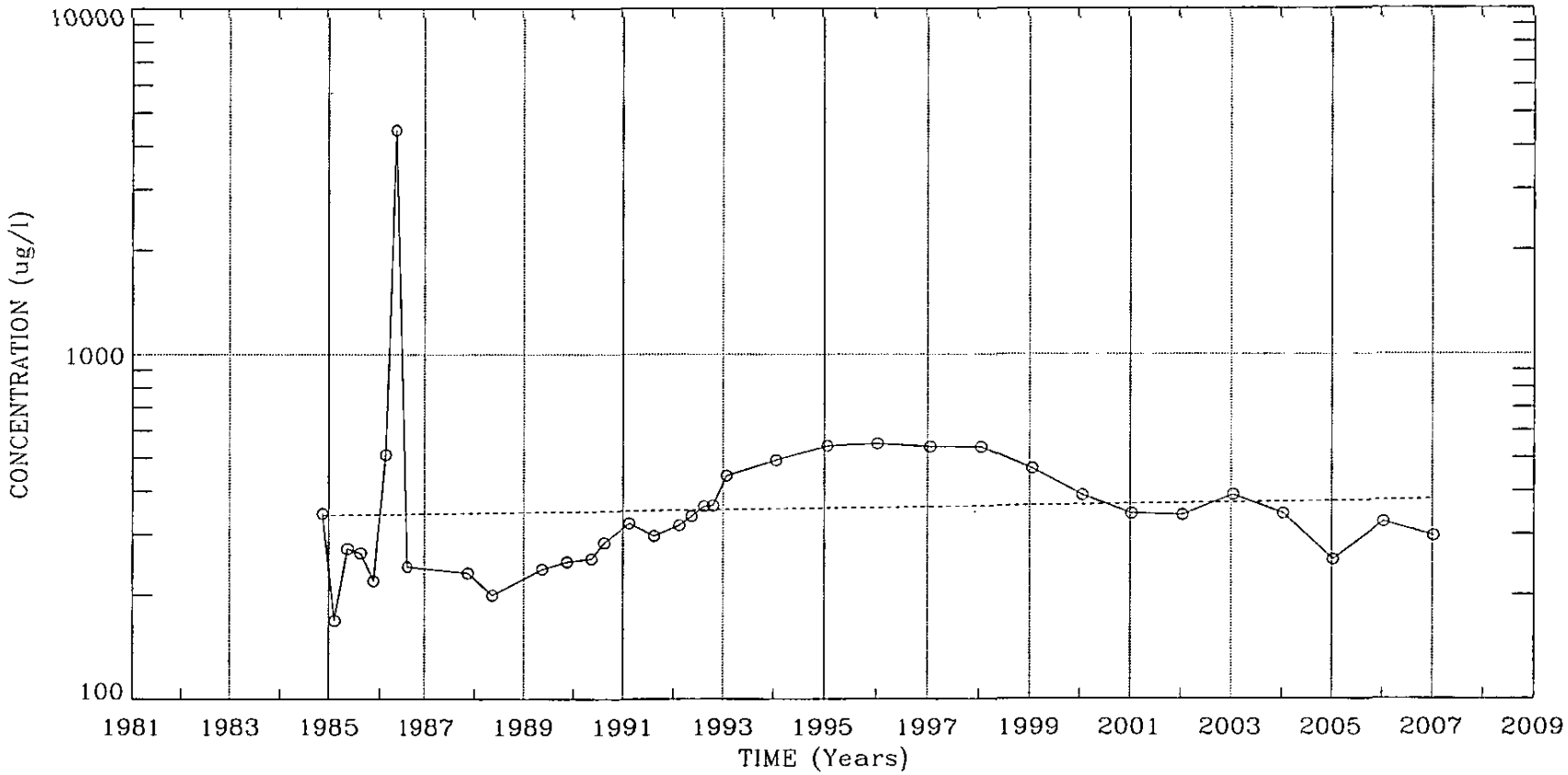

REGRESSION LINE EQUATION: $Y = 2.724E+003e^{-0.0154x}$

Well 13C UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



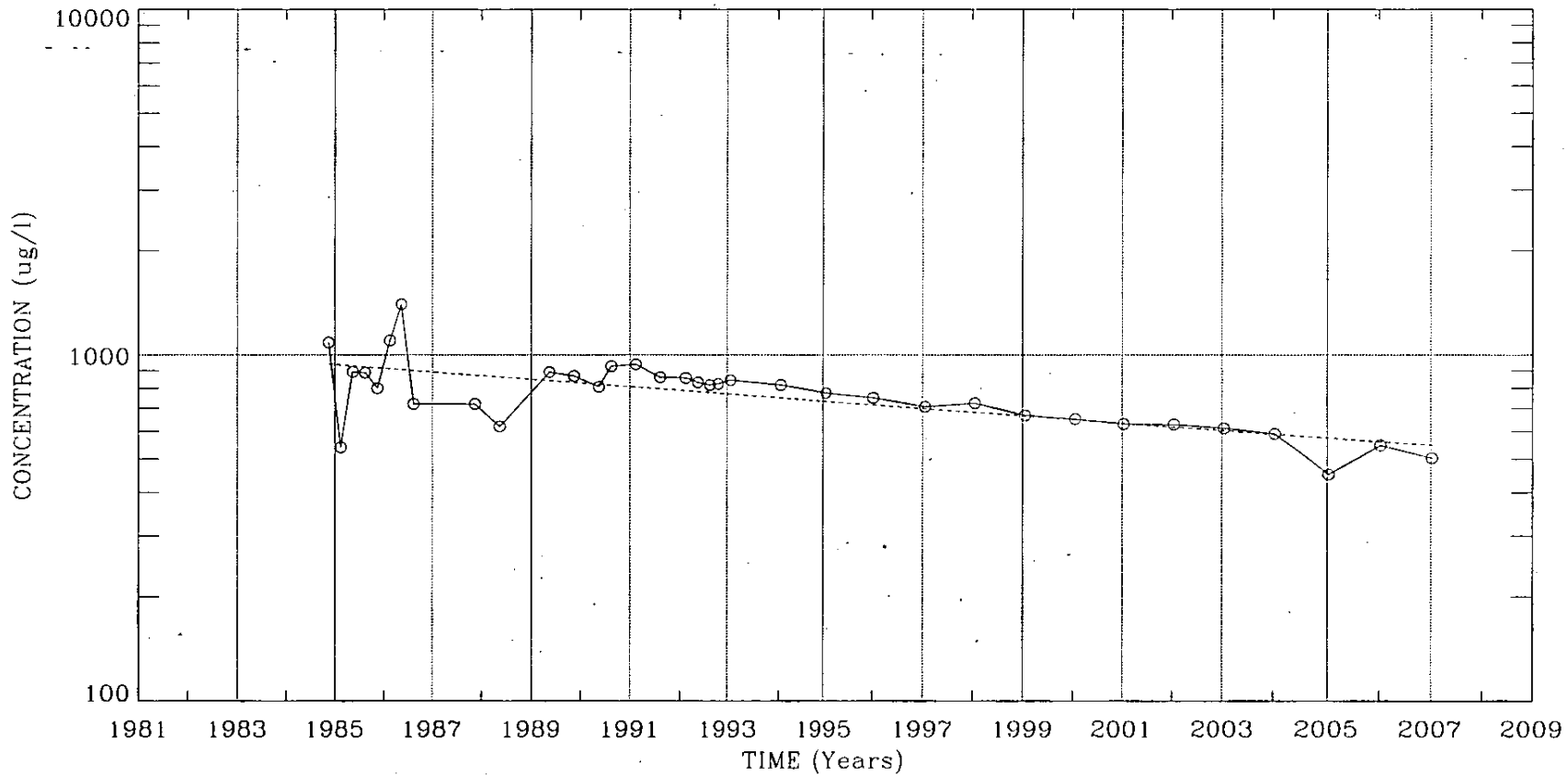

REGRESSION LINE EQUATION: $Y = 1.334E+003e^{-0.0075x}$

Well 14A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



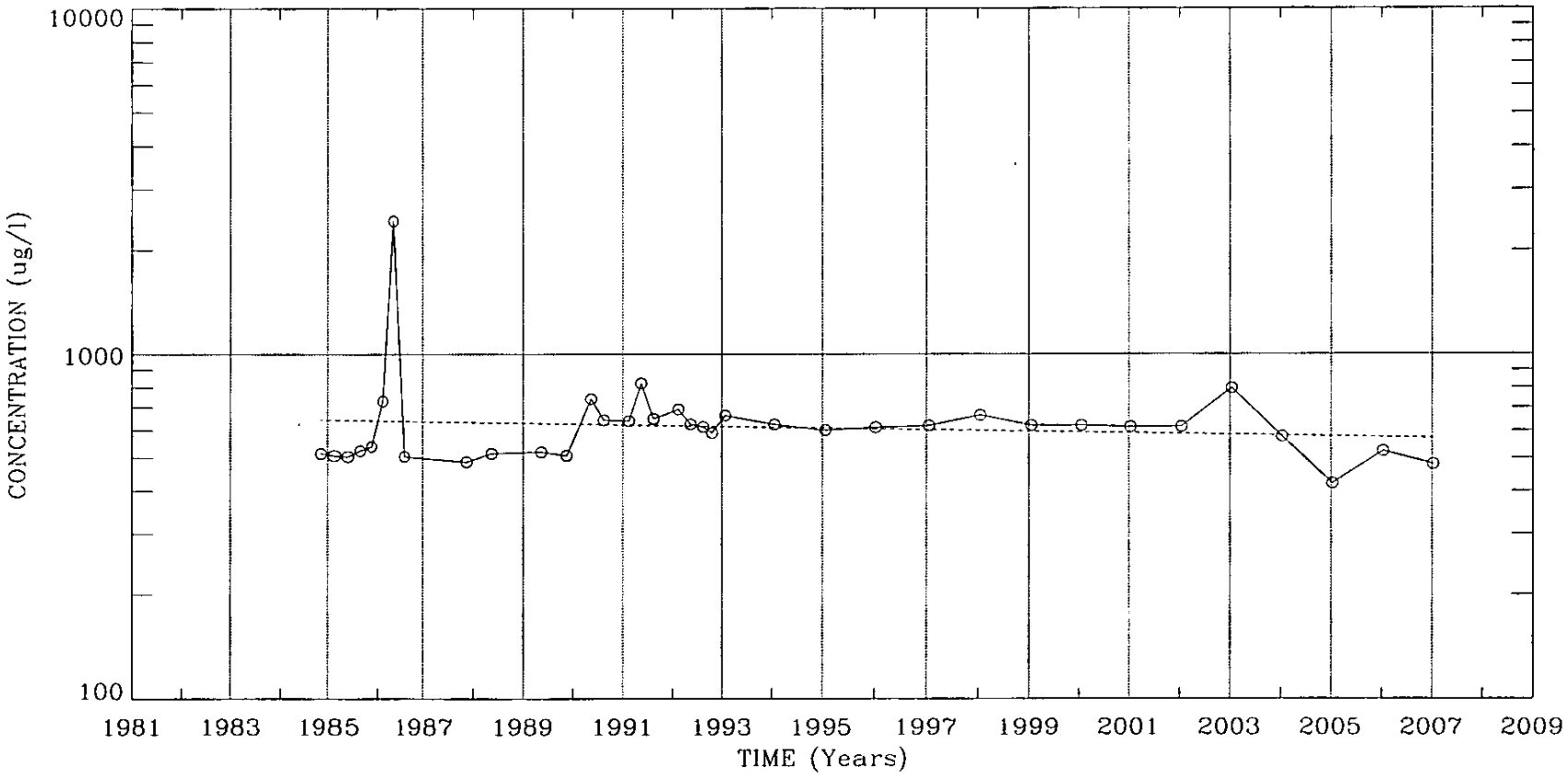

REGRESSION LINE EQUATION: $Y = 2.279E+002e^{0.0047x}$

Well 14B UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



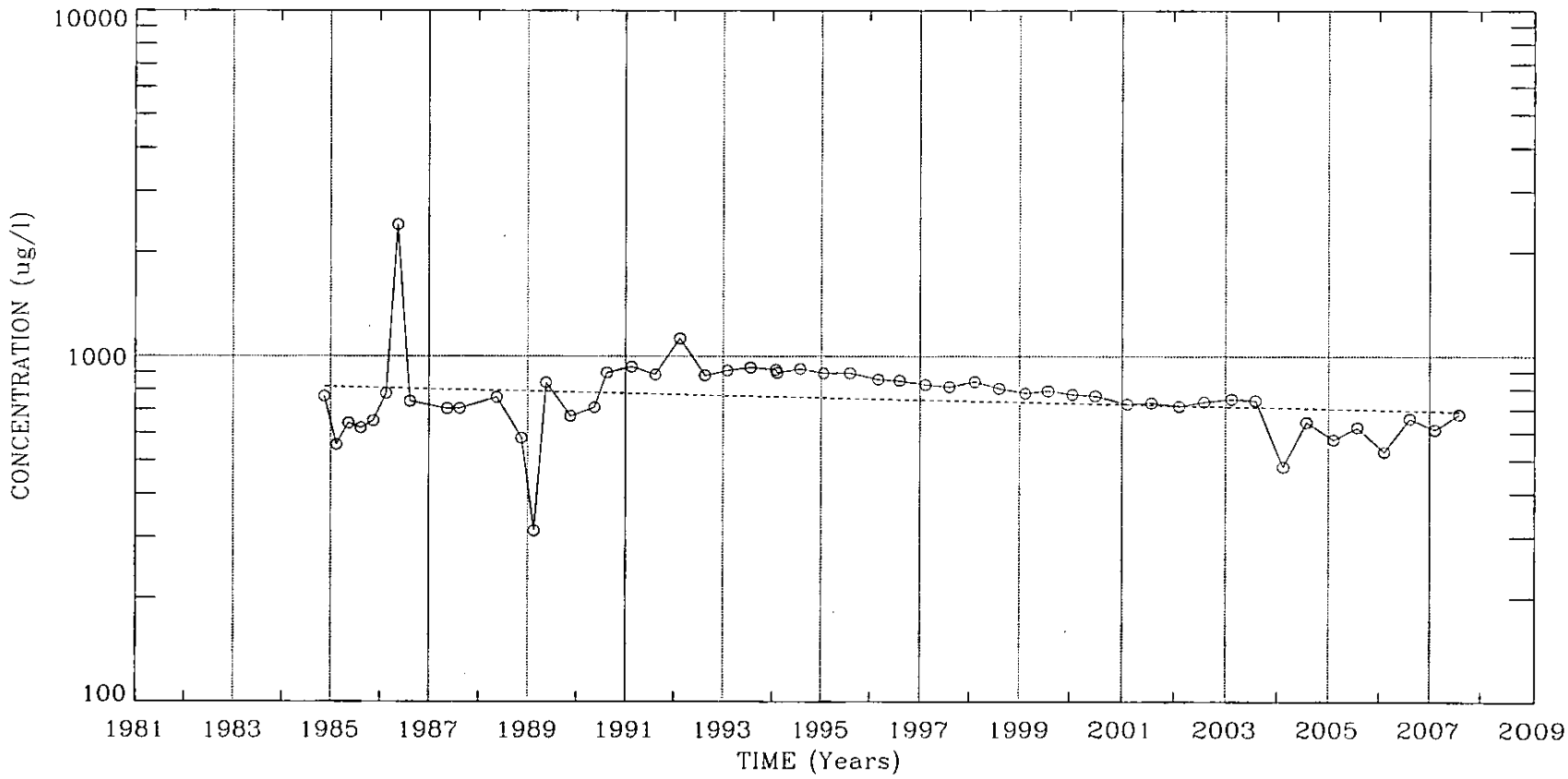

REGRESSION LINE EQUATION: $Y = 7.436E+003e^{-0.0244x}$

Well 14C UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



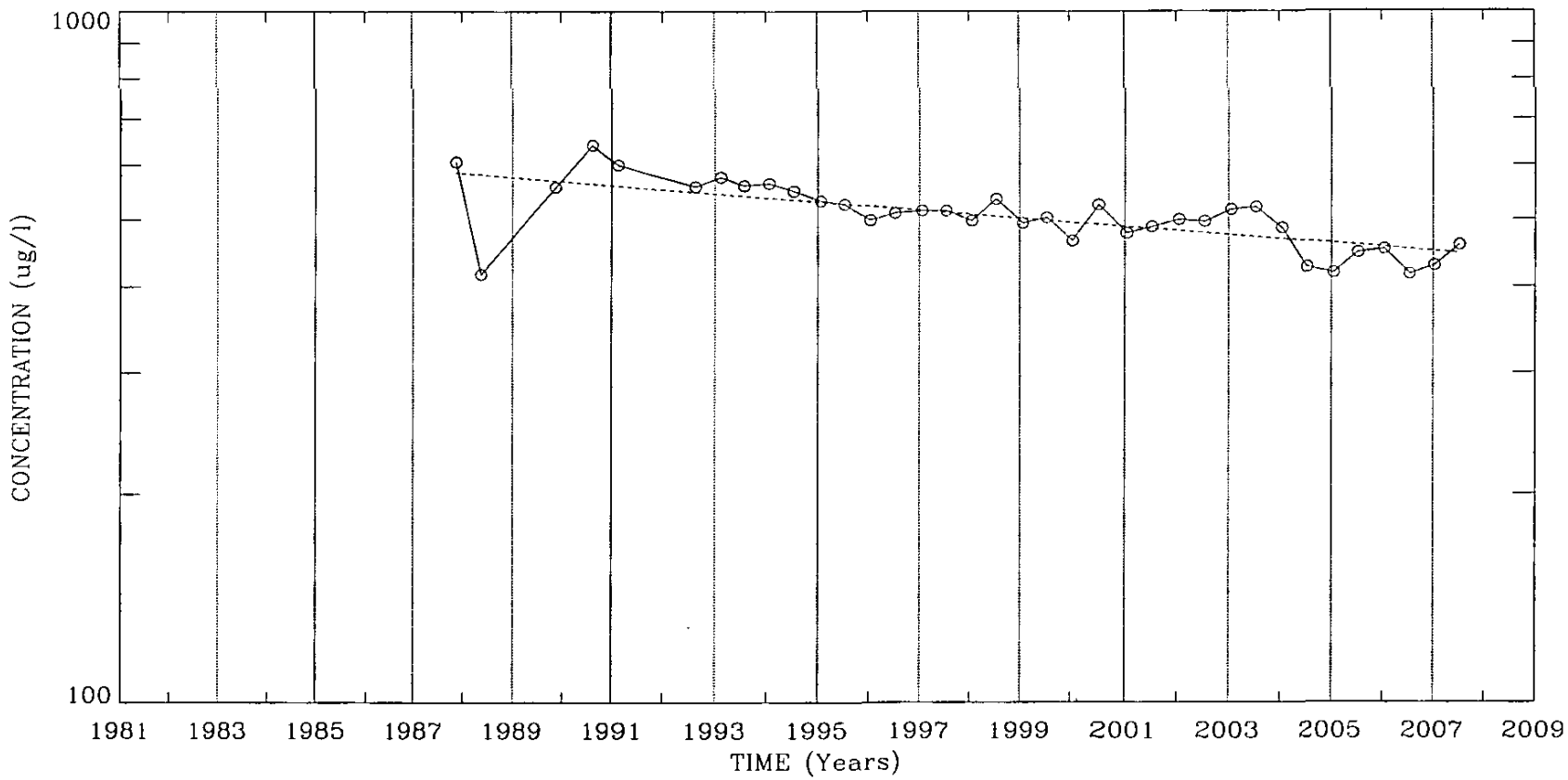

REGRESSION LINE EQUATION: $Y = 1.026E+003e^{-0.0055x}$

Well 15B UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



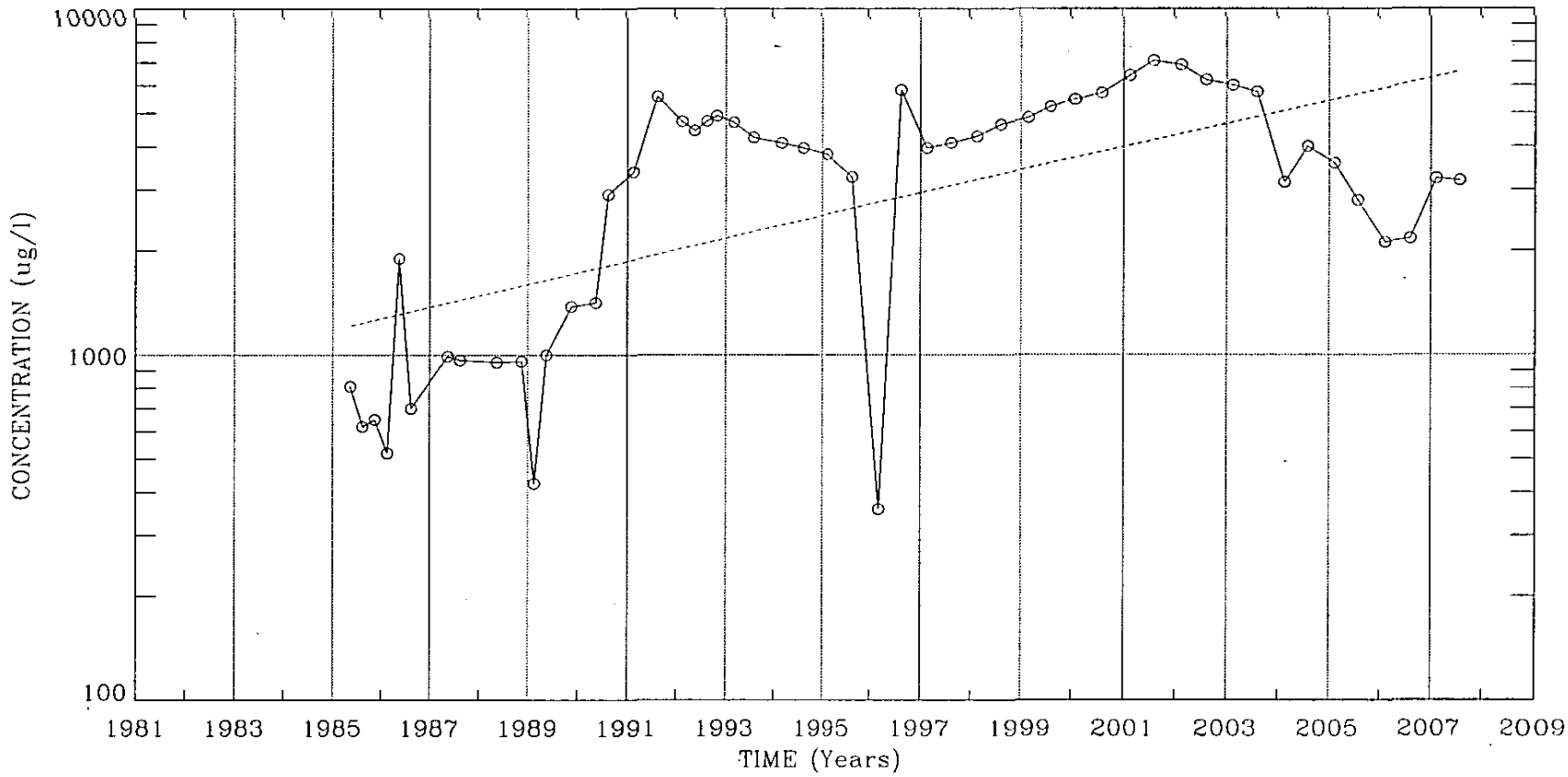

REGRESSION LINE EQUATION: $Y = 1.508E+003e^{-0.0072x}$

Well 16A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



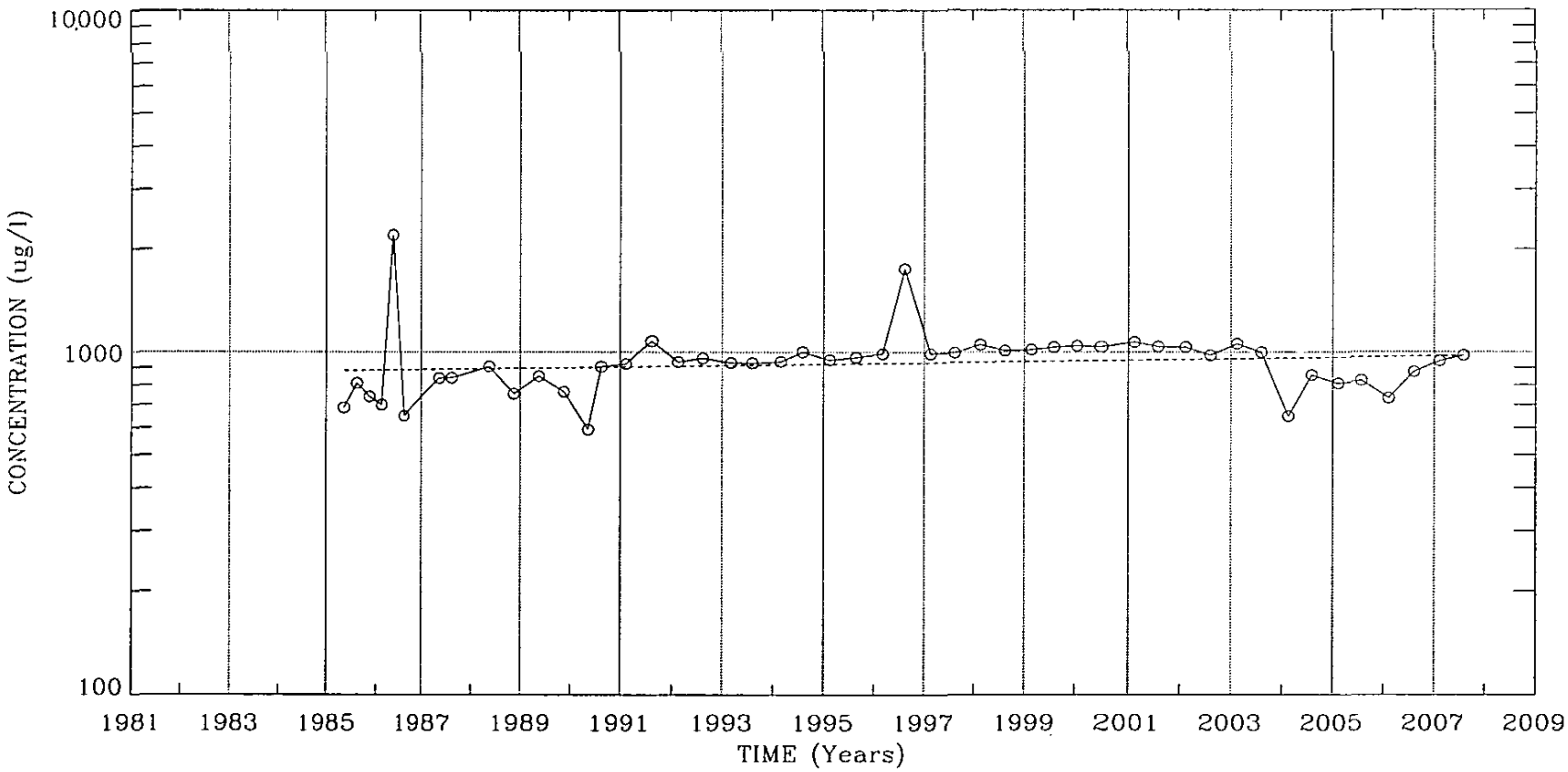

REGRESSION LINE EQUATION: $Y = 1.946E+003e^{-0.0137x}$

Well 17B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



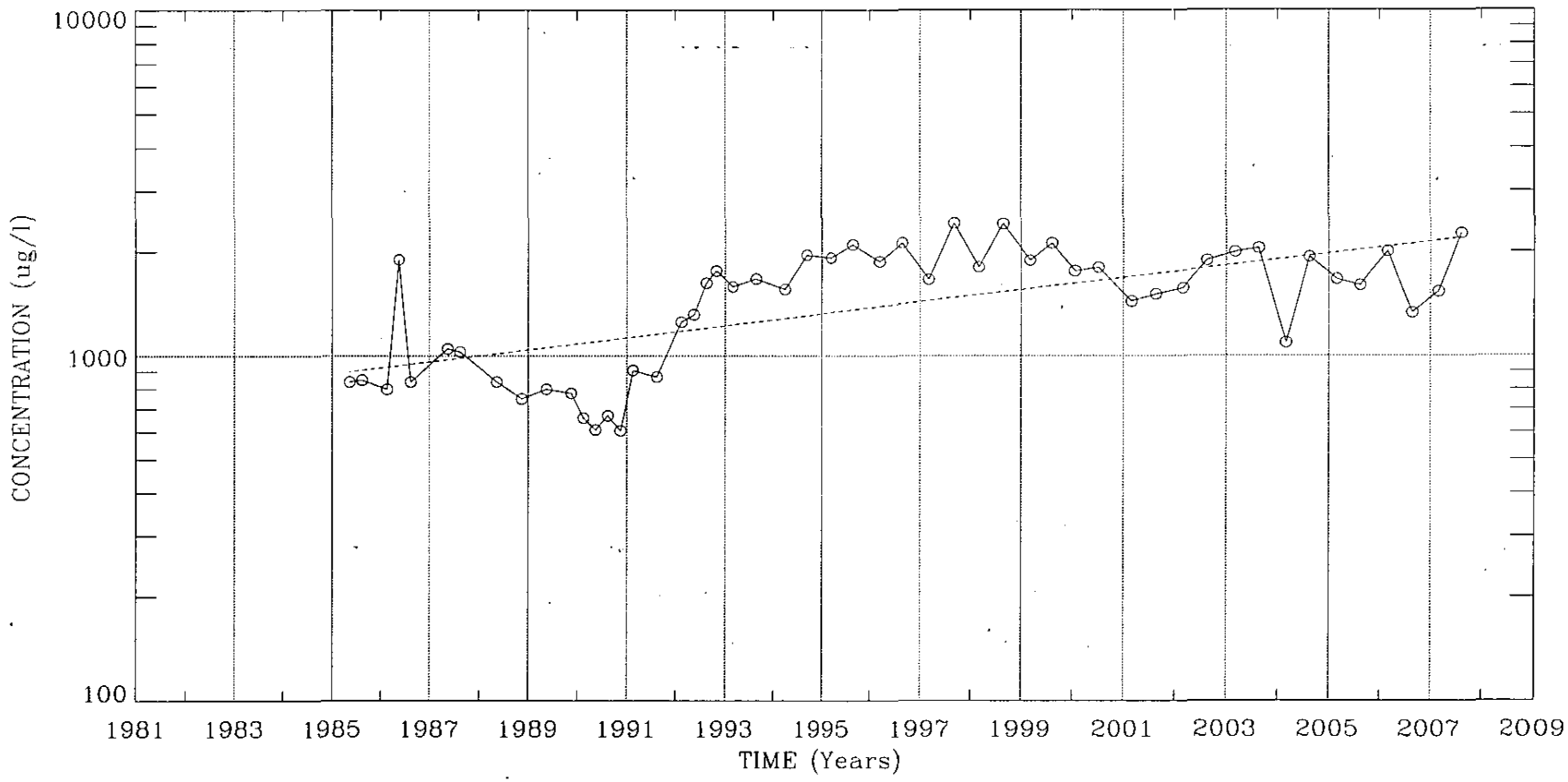

REGRESSION LINE EQUATION: $Y = 1.822E+000e^{0.0762x}$

Well 17B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



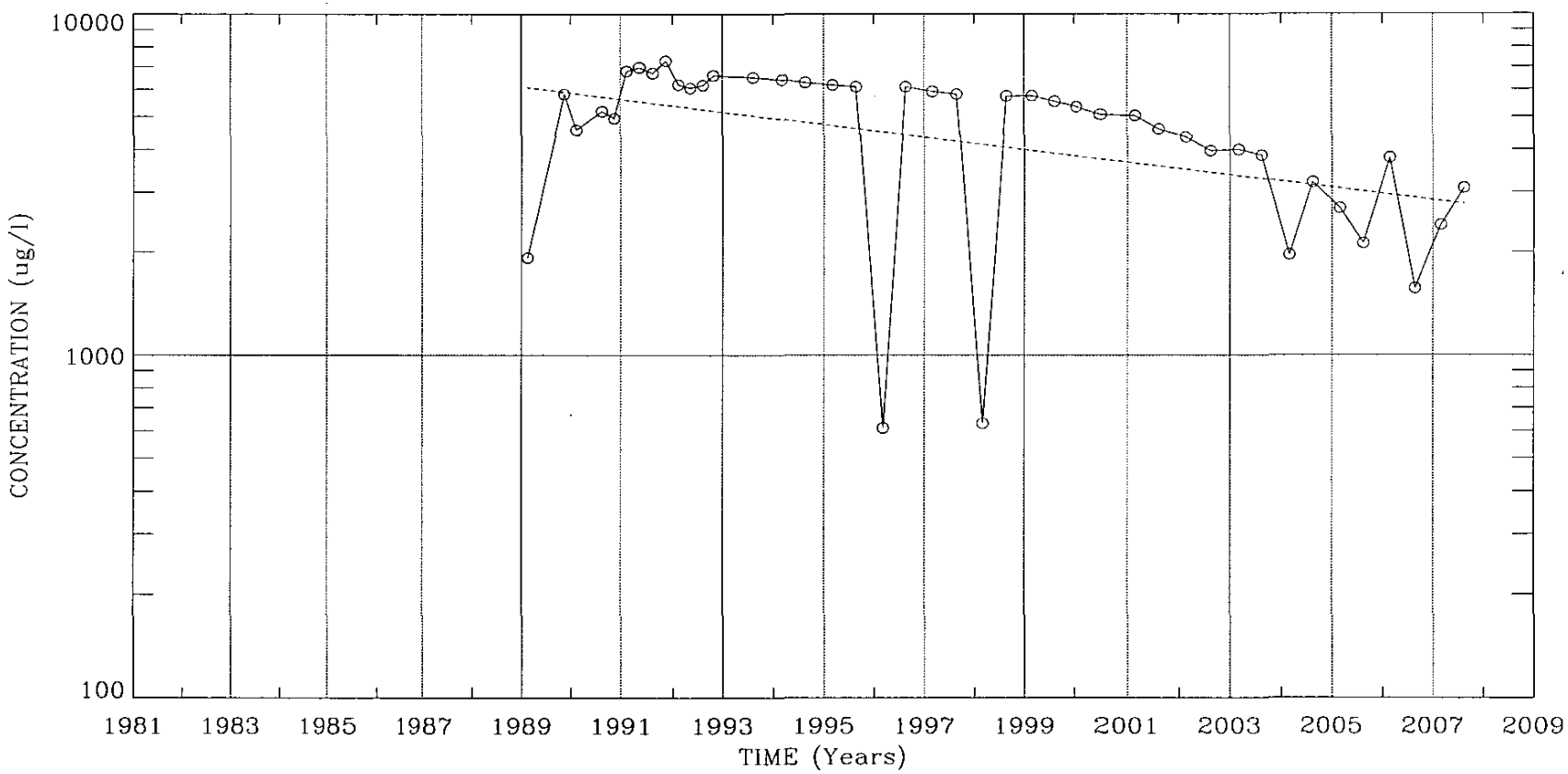

REGRESSION LINE EQUATION: $Y = 6.012E+002e^{0.0045x}$

Well 20A UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



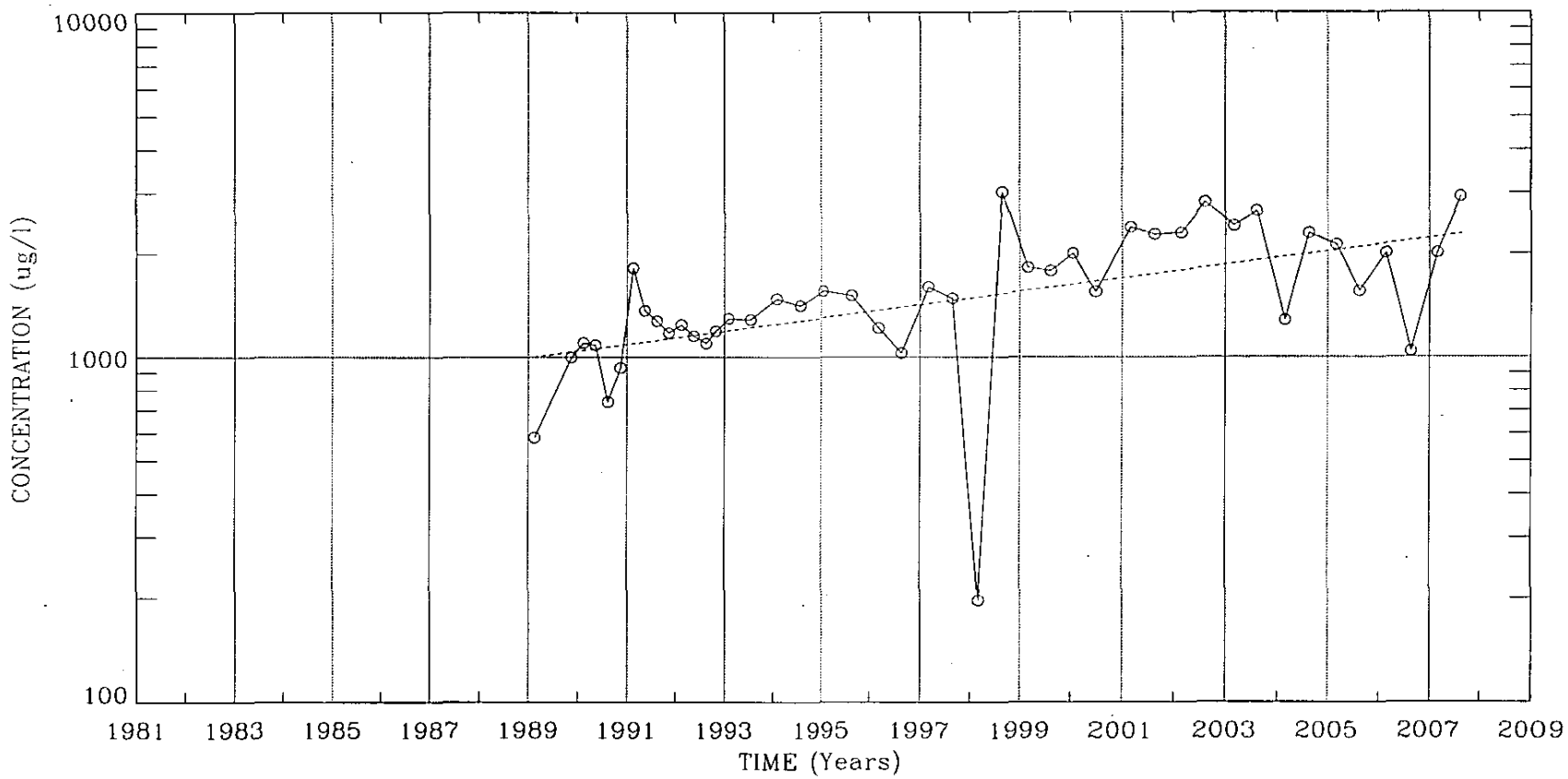

REGRESSION LINE EQUATION: $Y = 2.931E+001e^{0.0401x}$

Well 21A UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



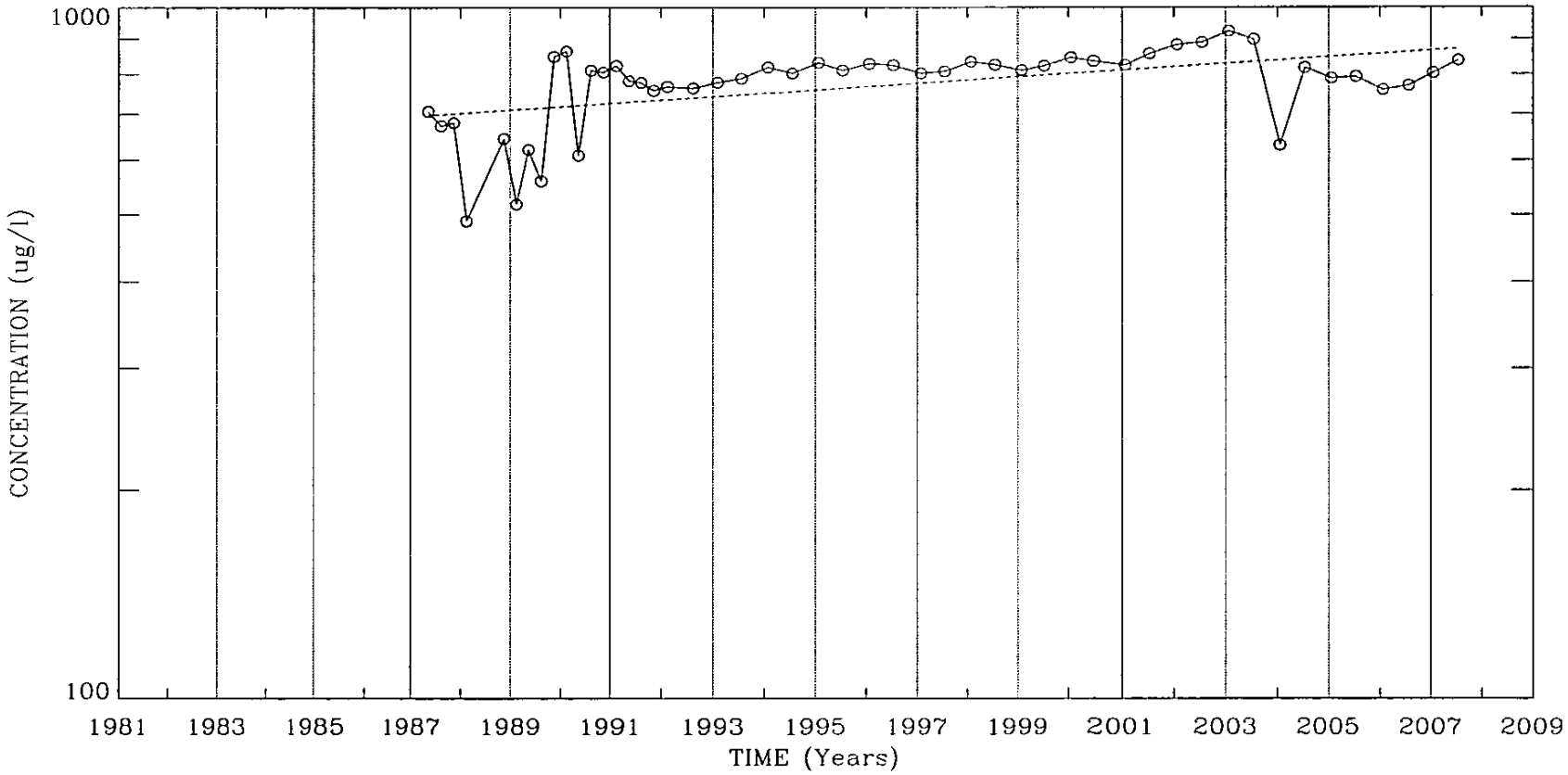

REGRESSION LINE EQUATION: $Y = 2.729E+005e^{-0.0427x}$

Well 21B-1 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



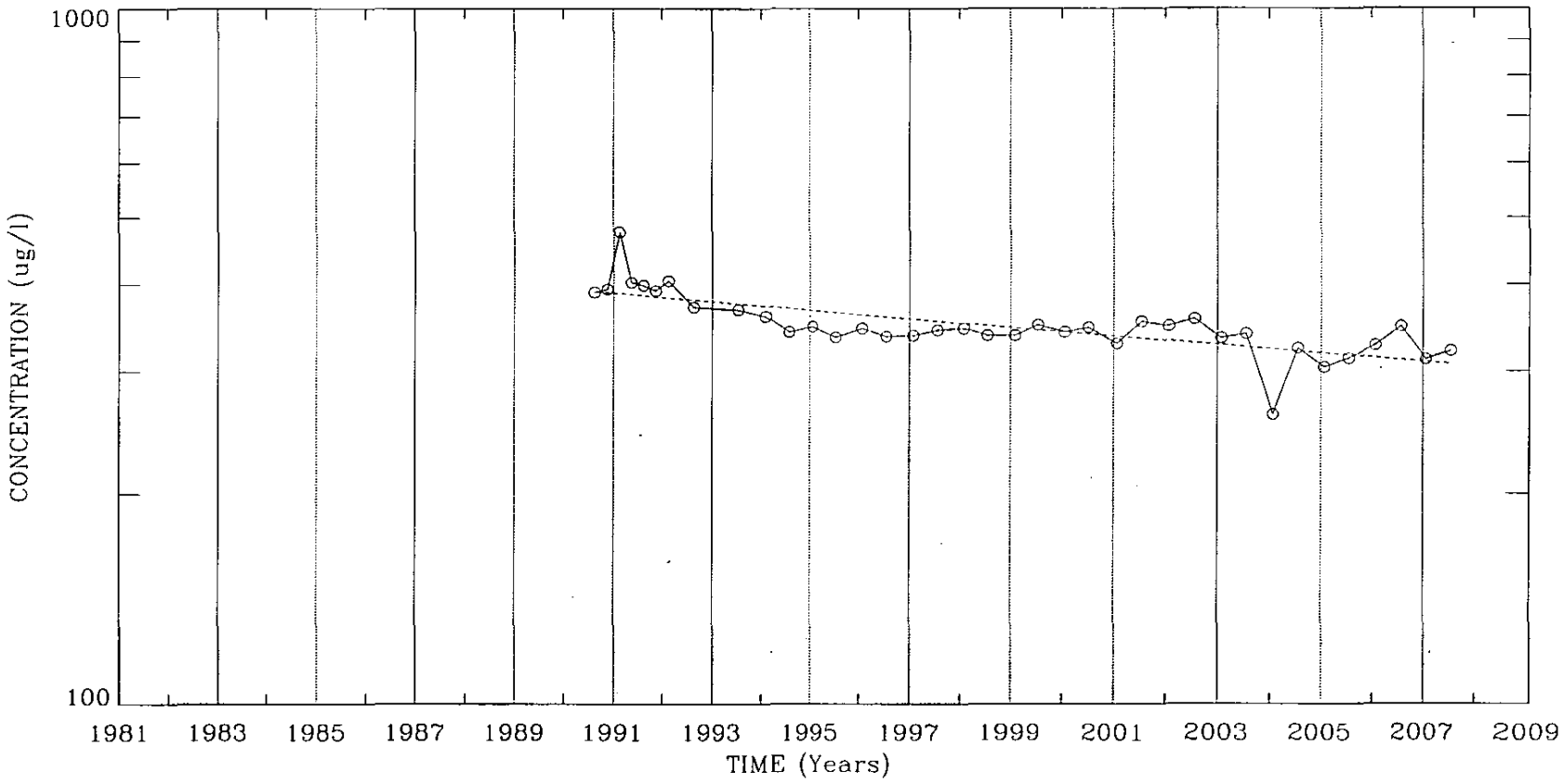

REGRESSION LINE EQUATION: $Y = 1.882E+001e^{0.0446x}$

Well 22A UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



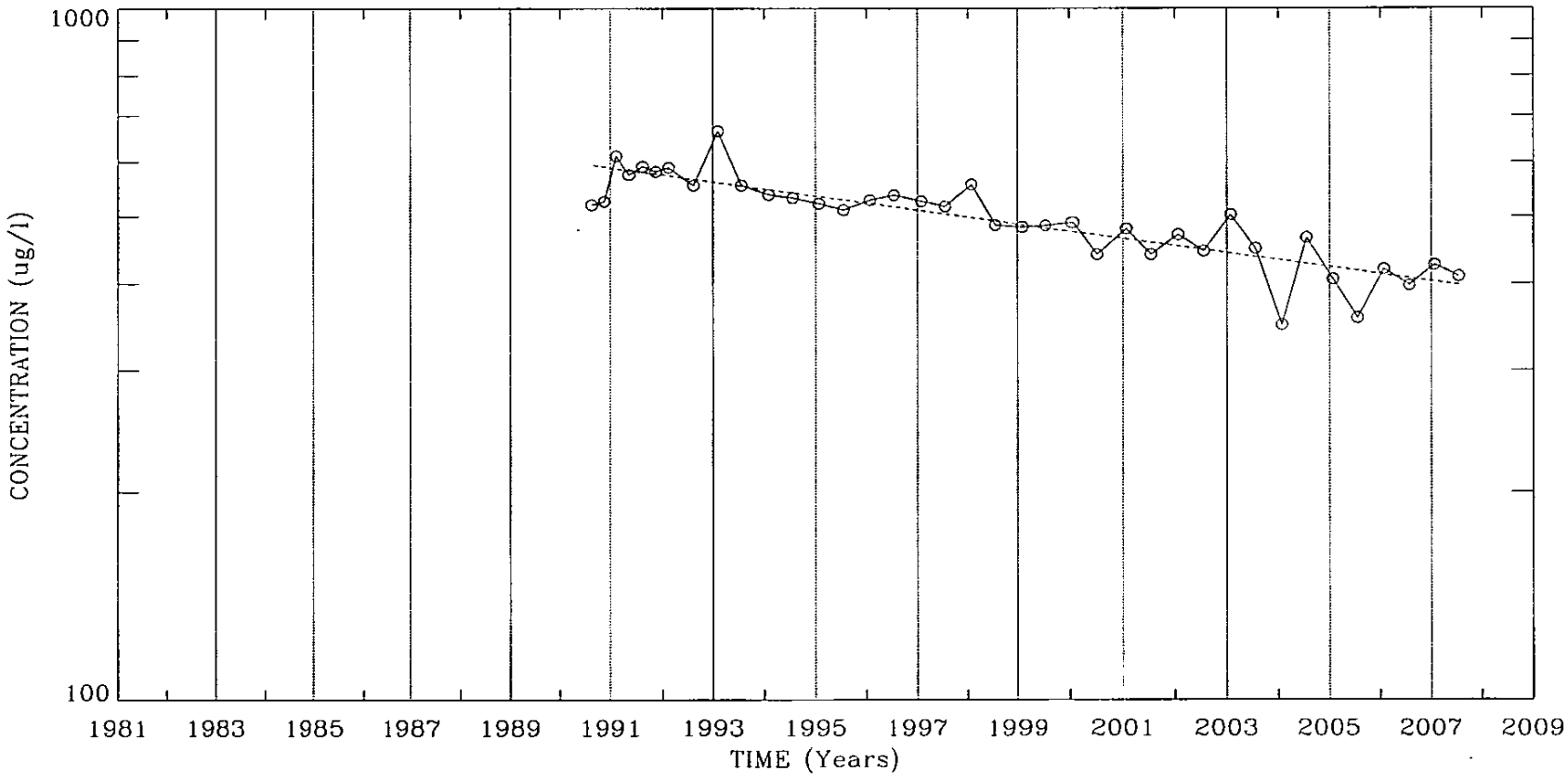

REGRESSION LINE EQUATION: $Y = 2.660E+002e^{0.0110x}$

Well 22AW UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



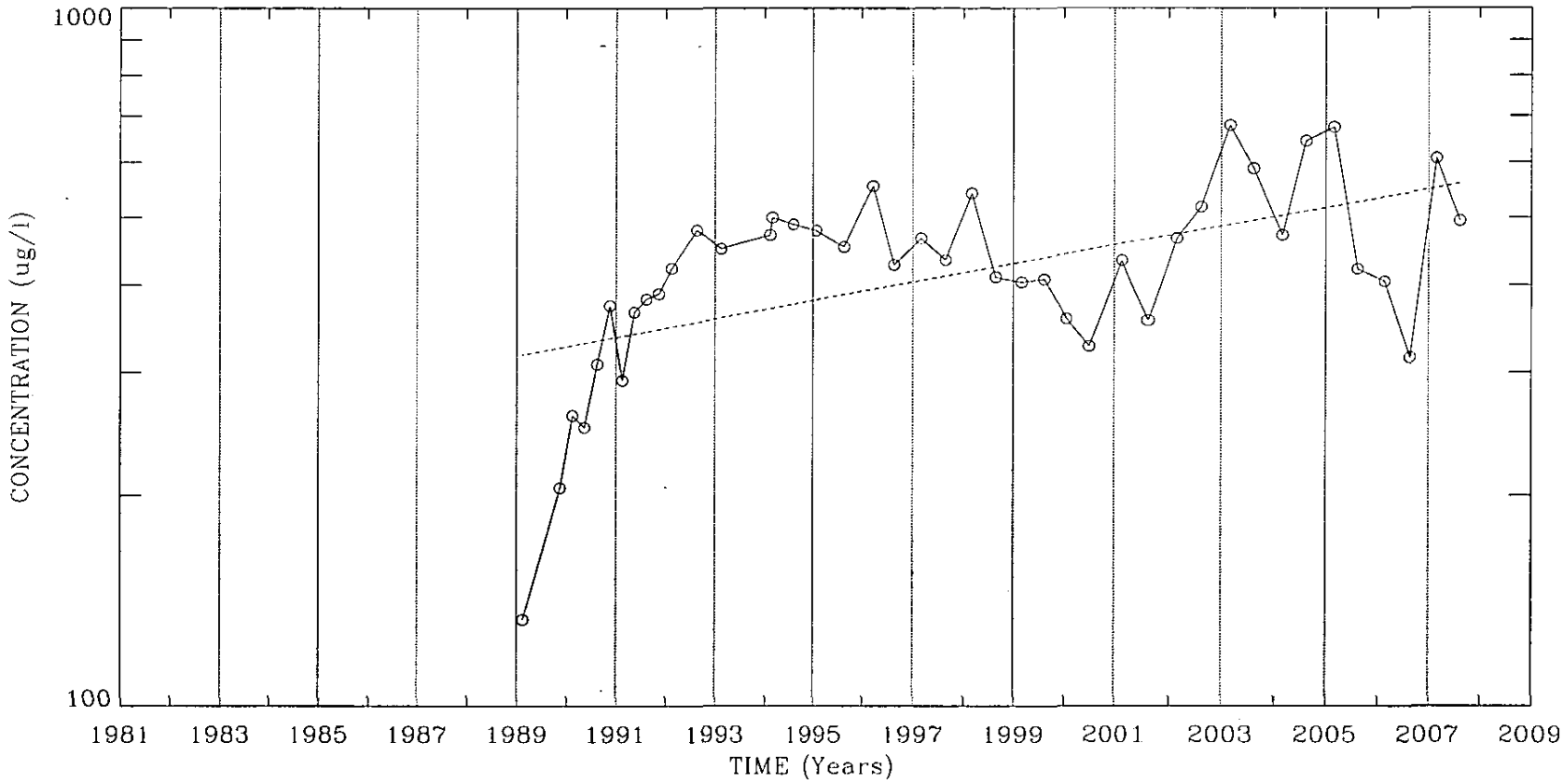

REGRESSION LINE EQUATION: $Y = 1.425E+003e^{-0.0143x}$

Well 22B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



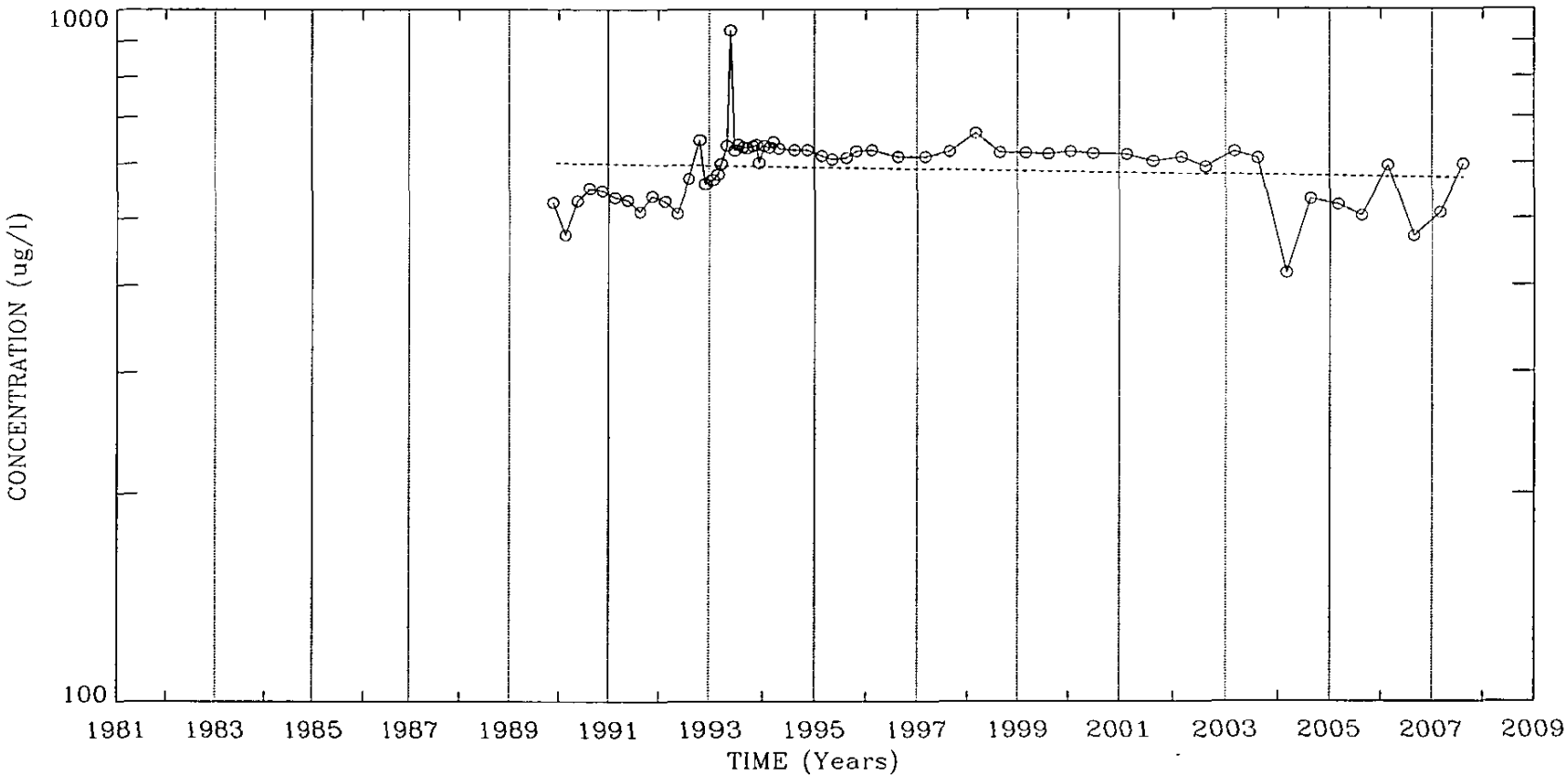

REGRESSION LINE EQUATION: $Y = 5.022E+003e^{-0.0236x}$

Well 23A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



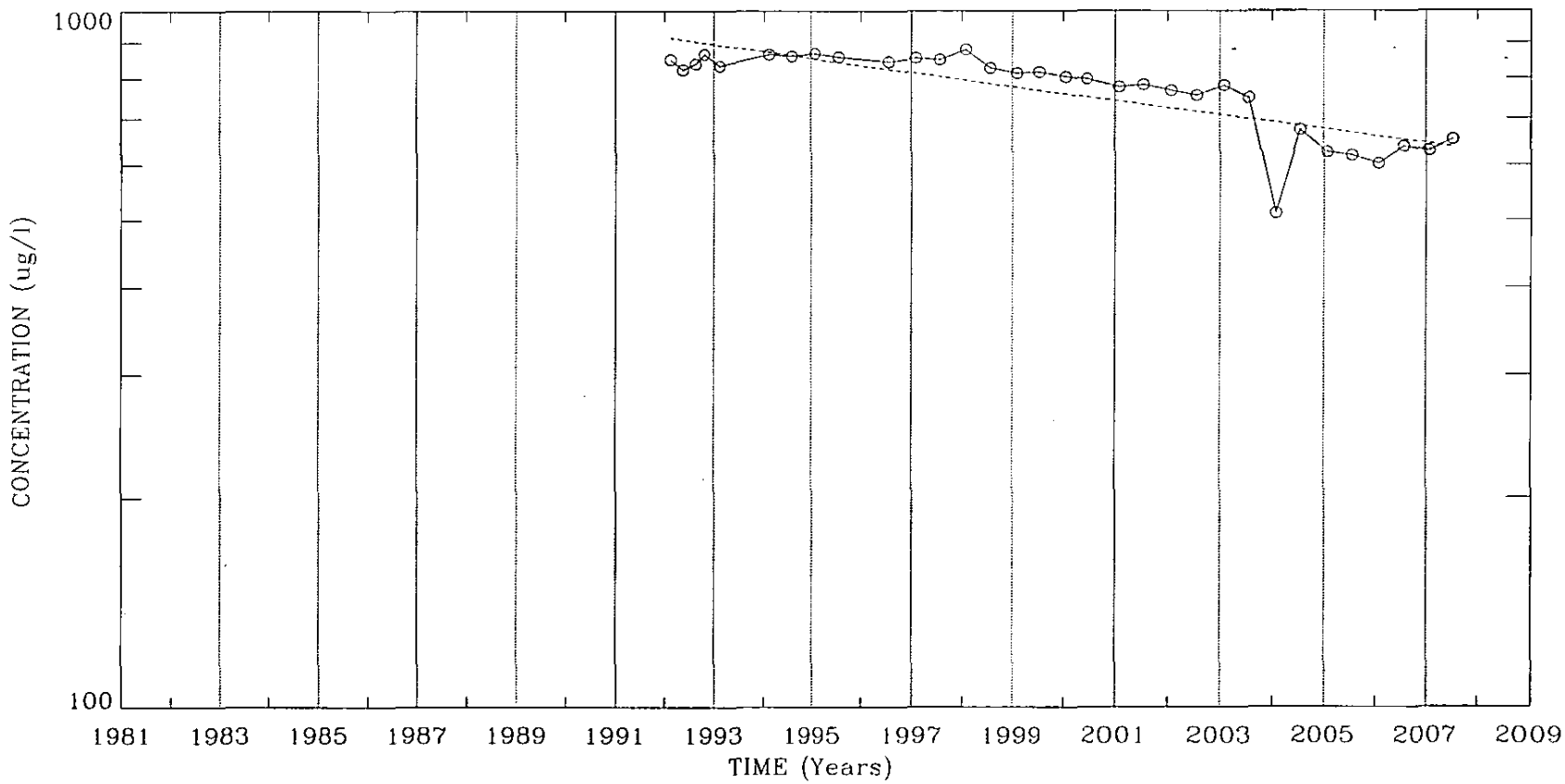

REGRESSION LINE EQUATION: $Y = 2.079E+001e^{0.0306x}$

Well 23B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



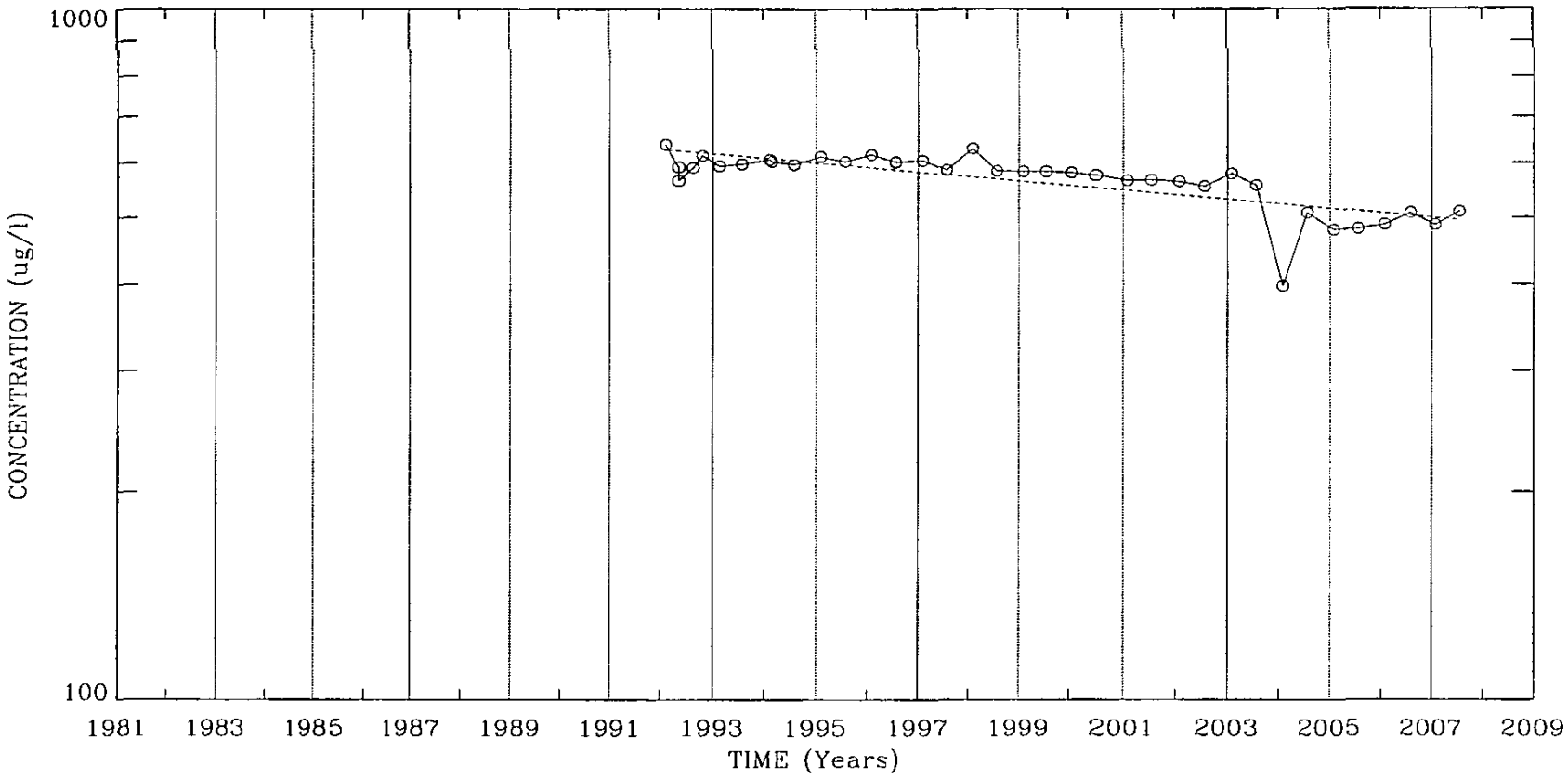

REGRESSION LINE EQUATION: $Y = 7.795E+002e^{-0.0029x}$

Well 23B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



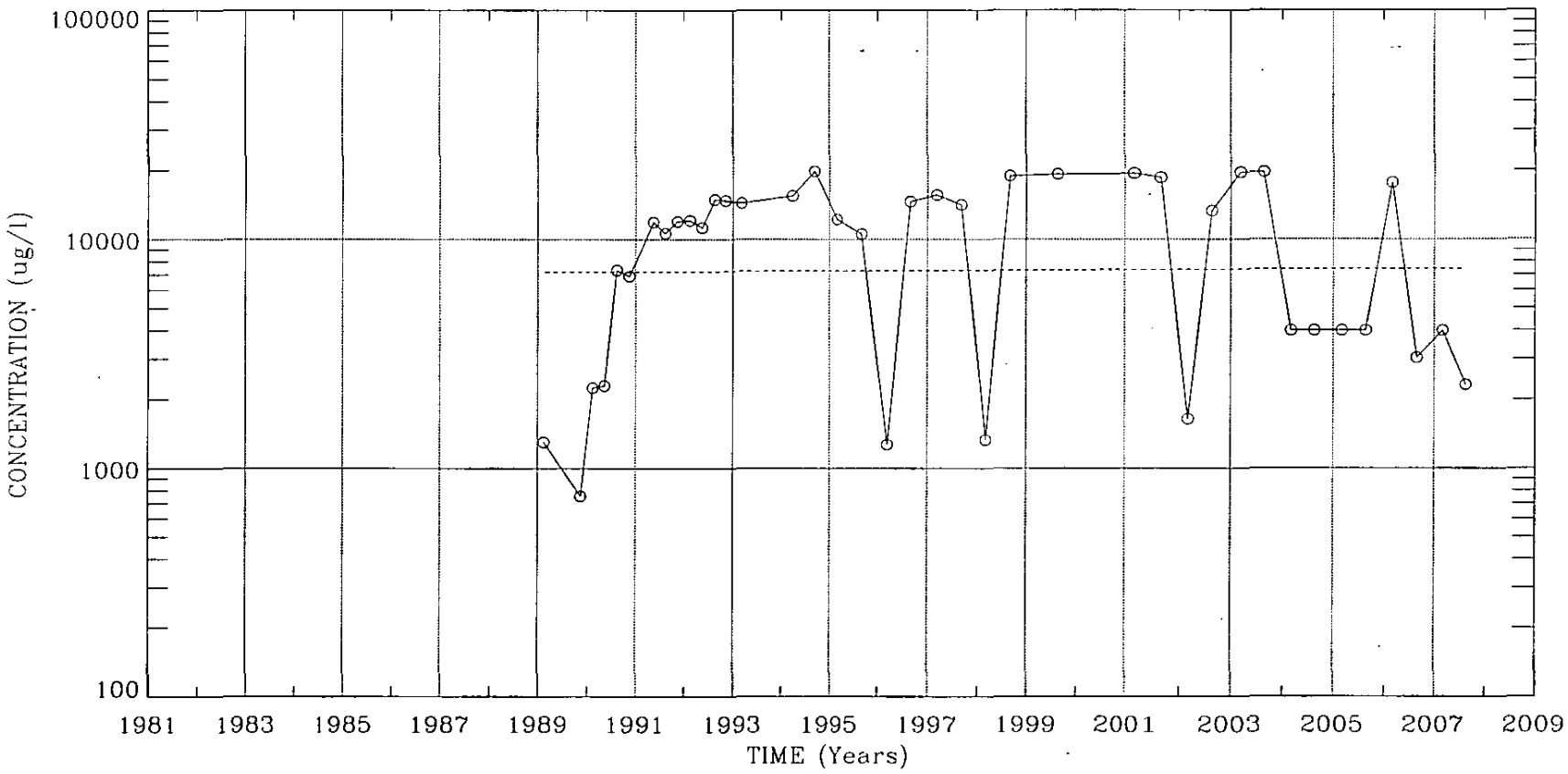

REGRESSION LINE EQUATION: $Y = 7.901E+003e^{-0.0234x}$

Well 23C UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



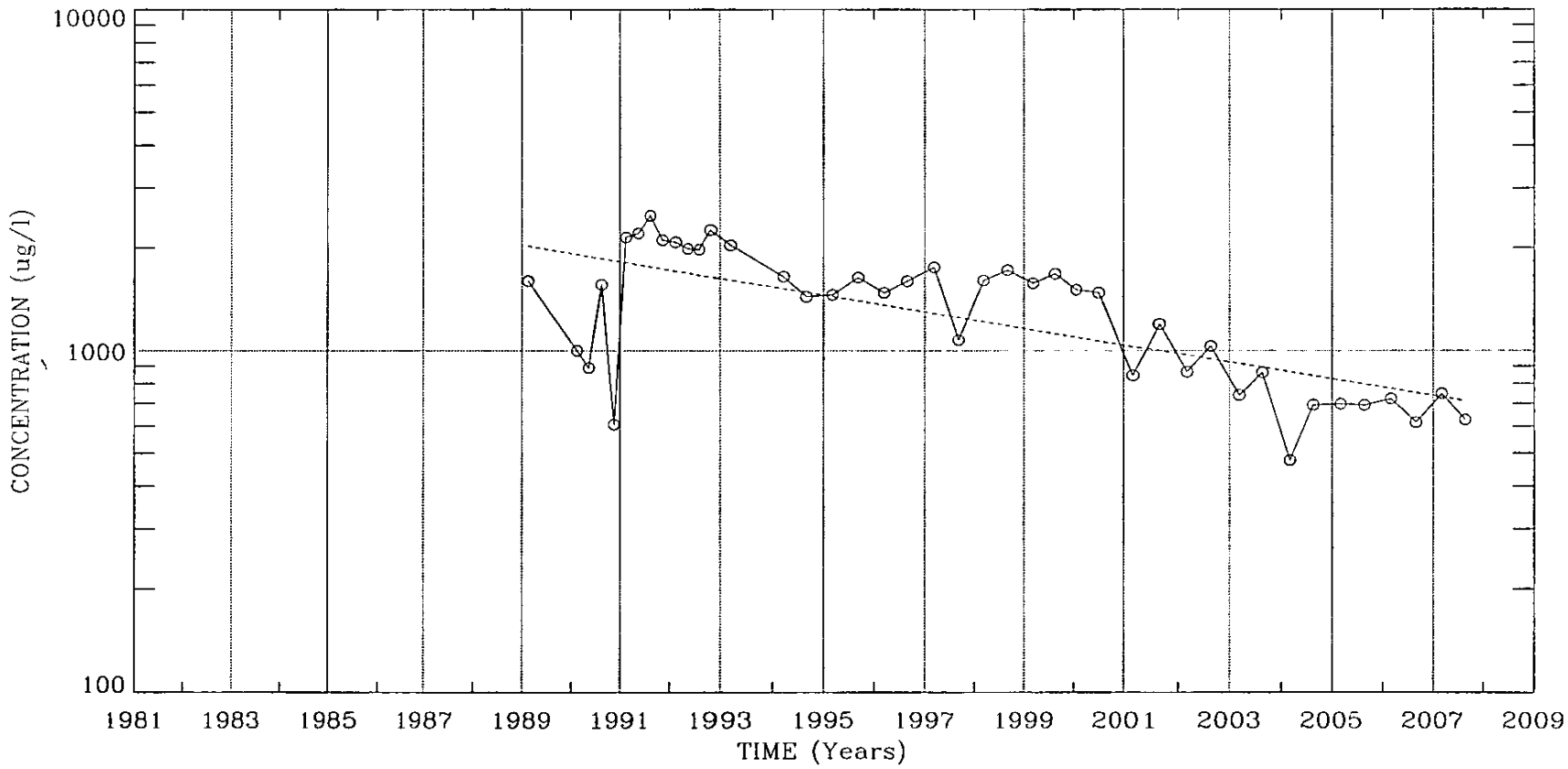

REGRESSION LINE EQUATION: $Y = 2.558E+003e^{-0.0153x}$

Well 24A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



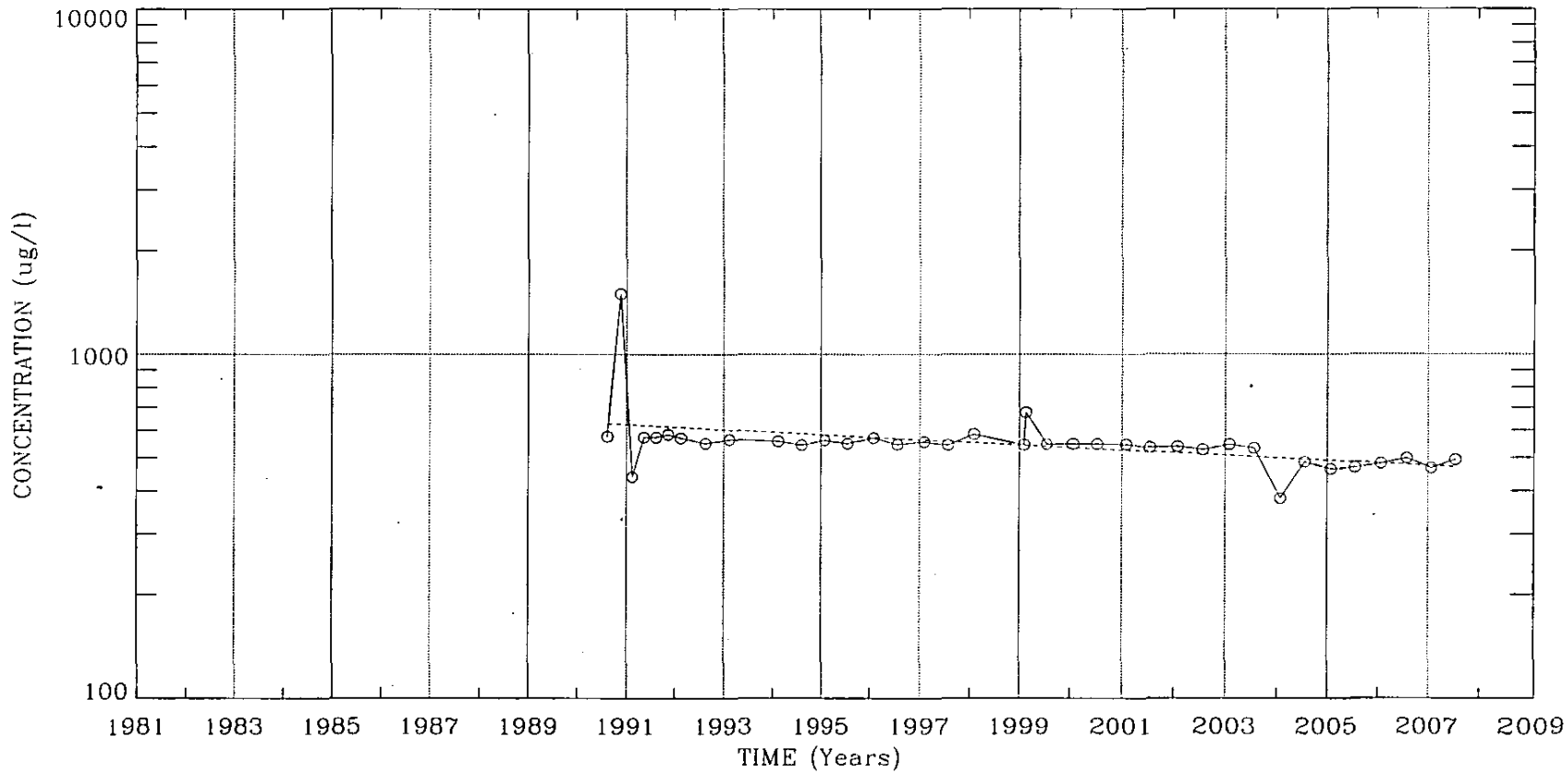

REGRESSION LINE EQUATION: $Y = 6.099E+003e^{0.0019x}$

Well 24B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



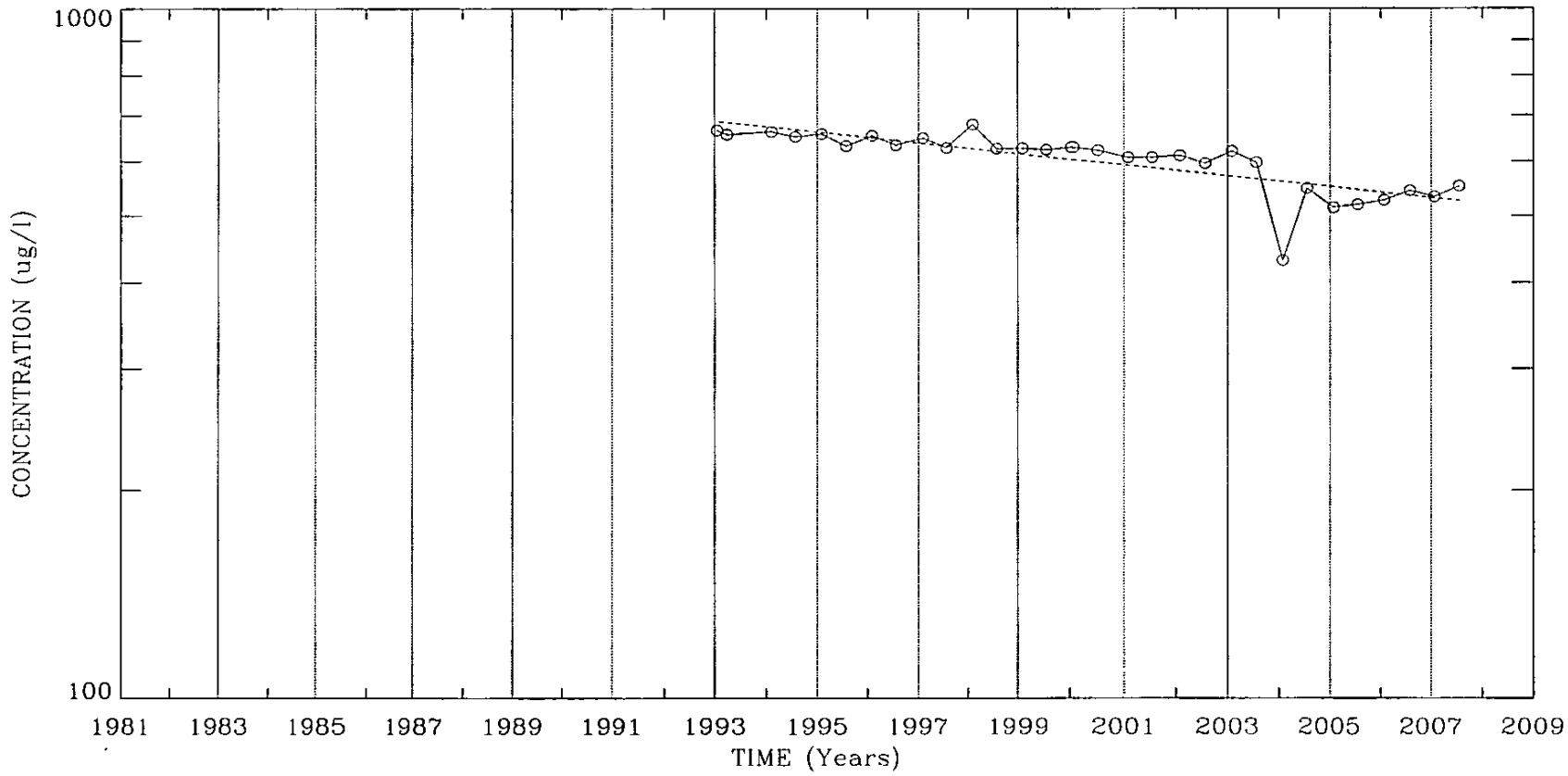

REGRESSION LINE EQUATION: $Y = 3.086E+005e^{-0.0564x}$

Well 24C UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



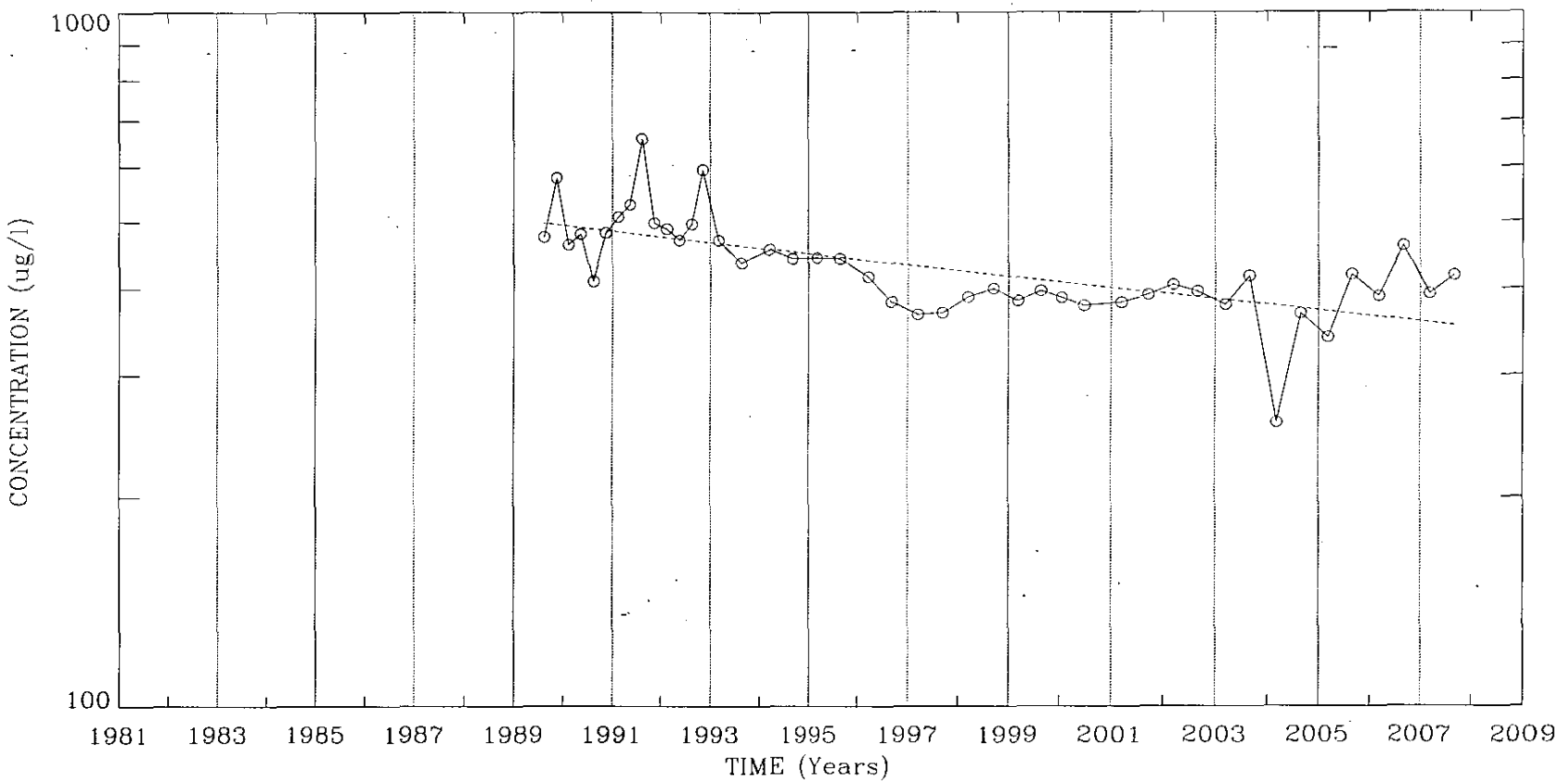

REGRESSION LINE EQUATION: $Y = 2.977E+003e^{-0.0172x}$

Well 24CL UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



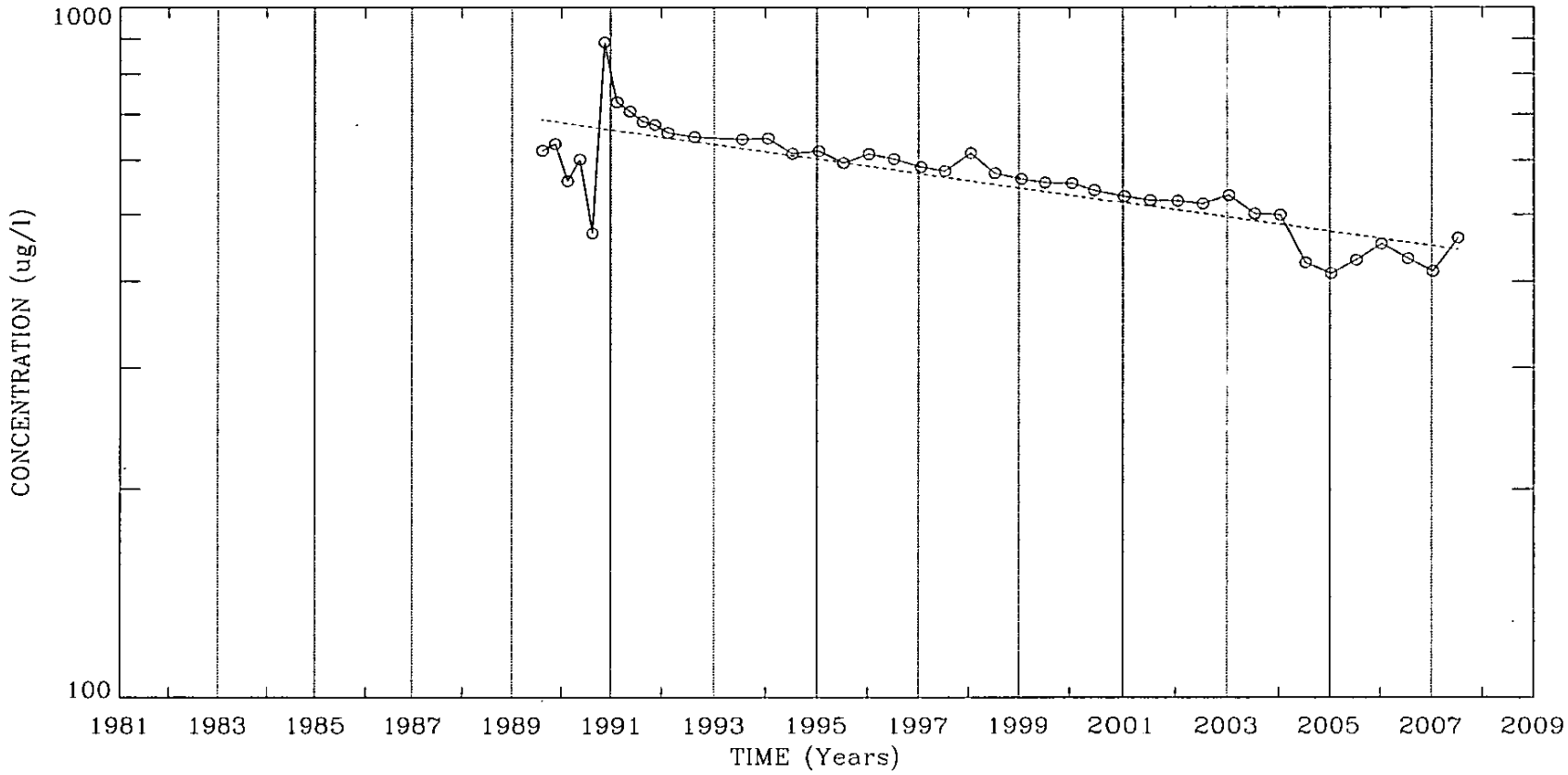

REGRESSION LINE EQUATION: $Y = 3.785E+003e^{-0.0183x}$

Well 25A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



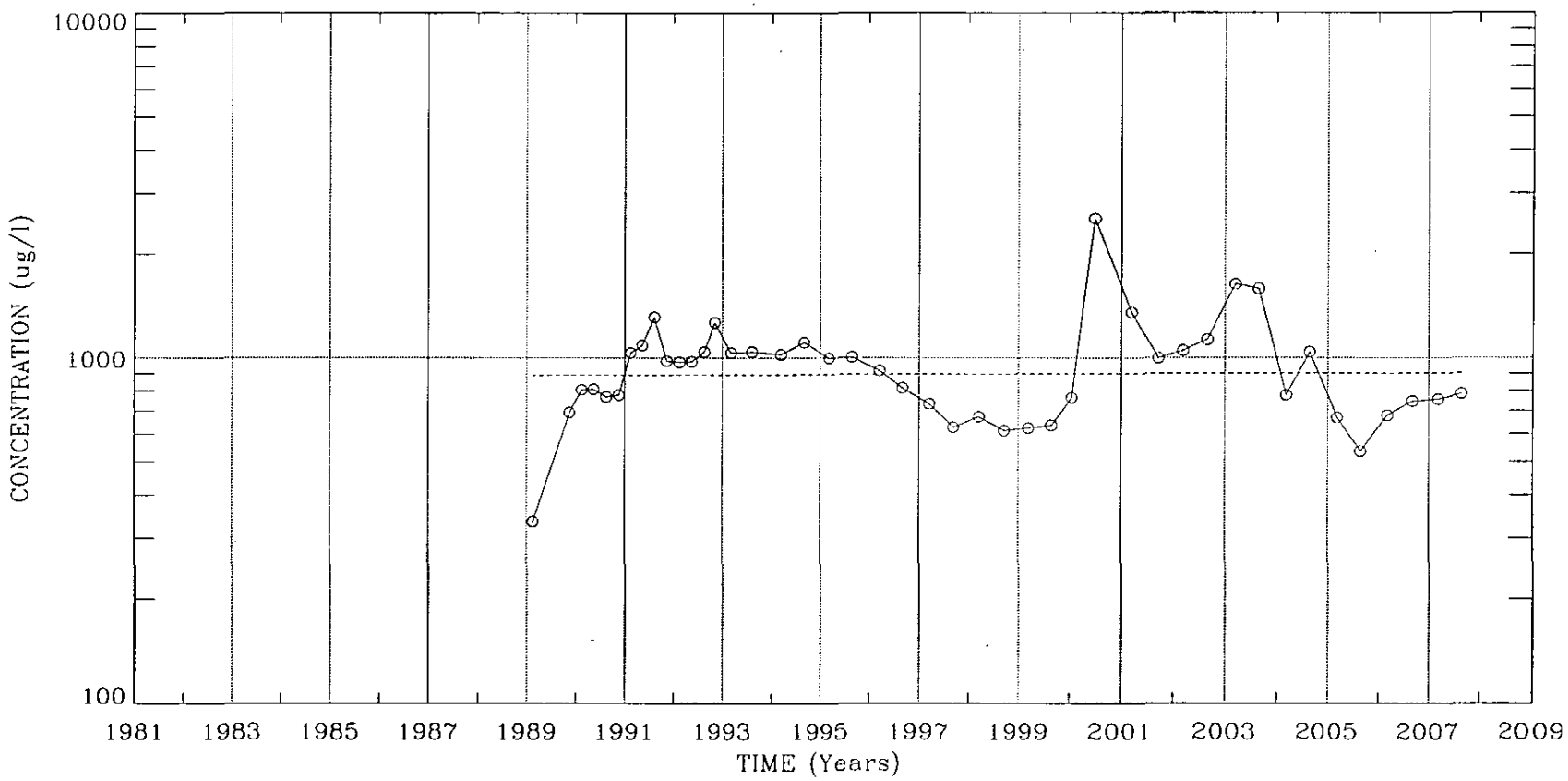

REGRESSION LINE EQUATION: $Y = 2.706E+003e^{-0.0189x}$

Well 25B-1 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



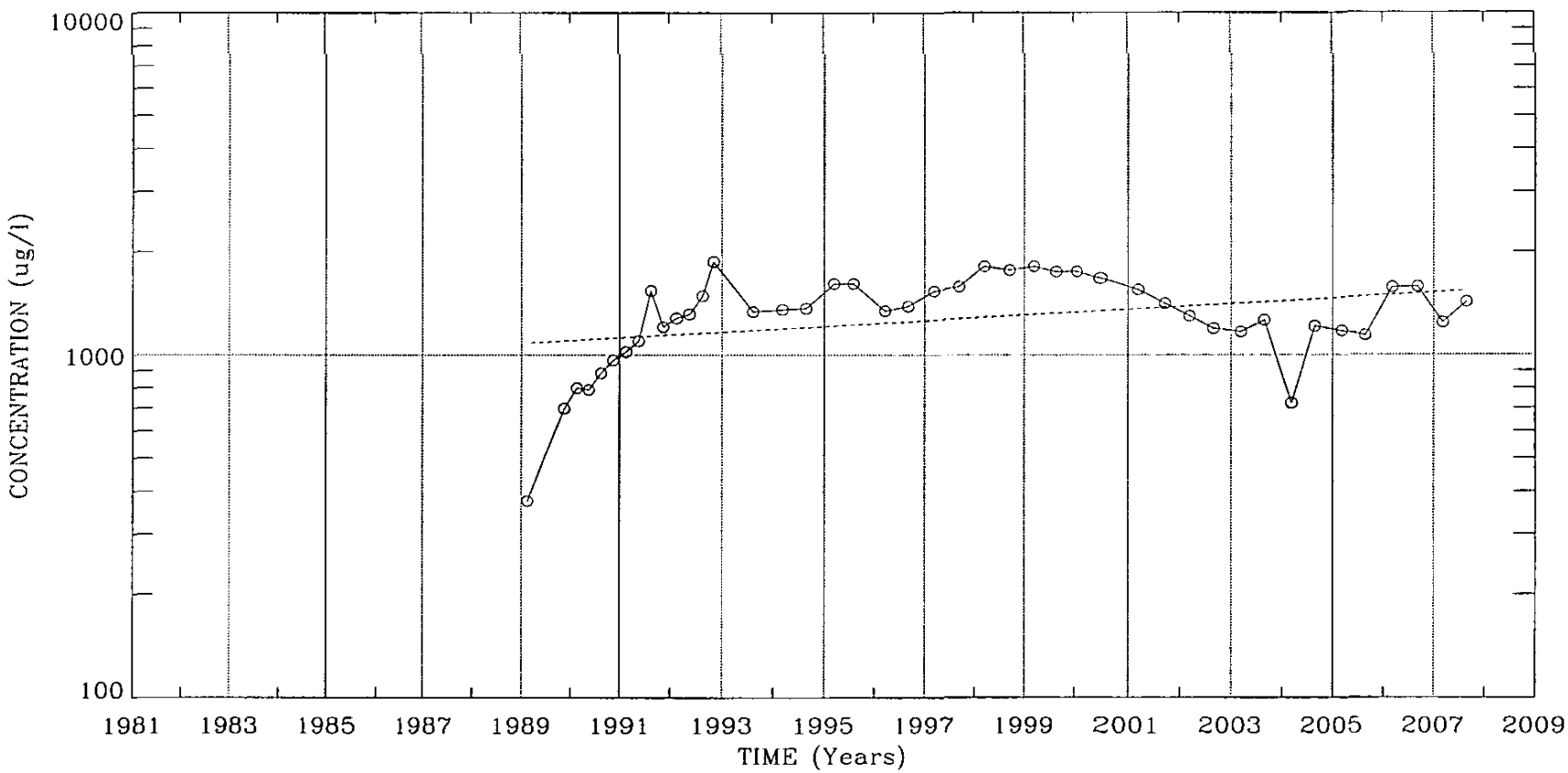

REGRESSION LINE EQUATION: $Y = 6.034E+003e^{-0.0242x}$

Well 26A UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



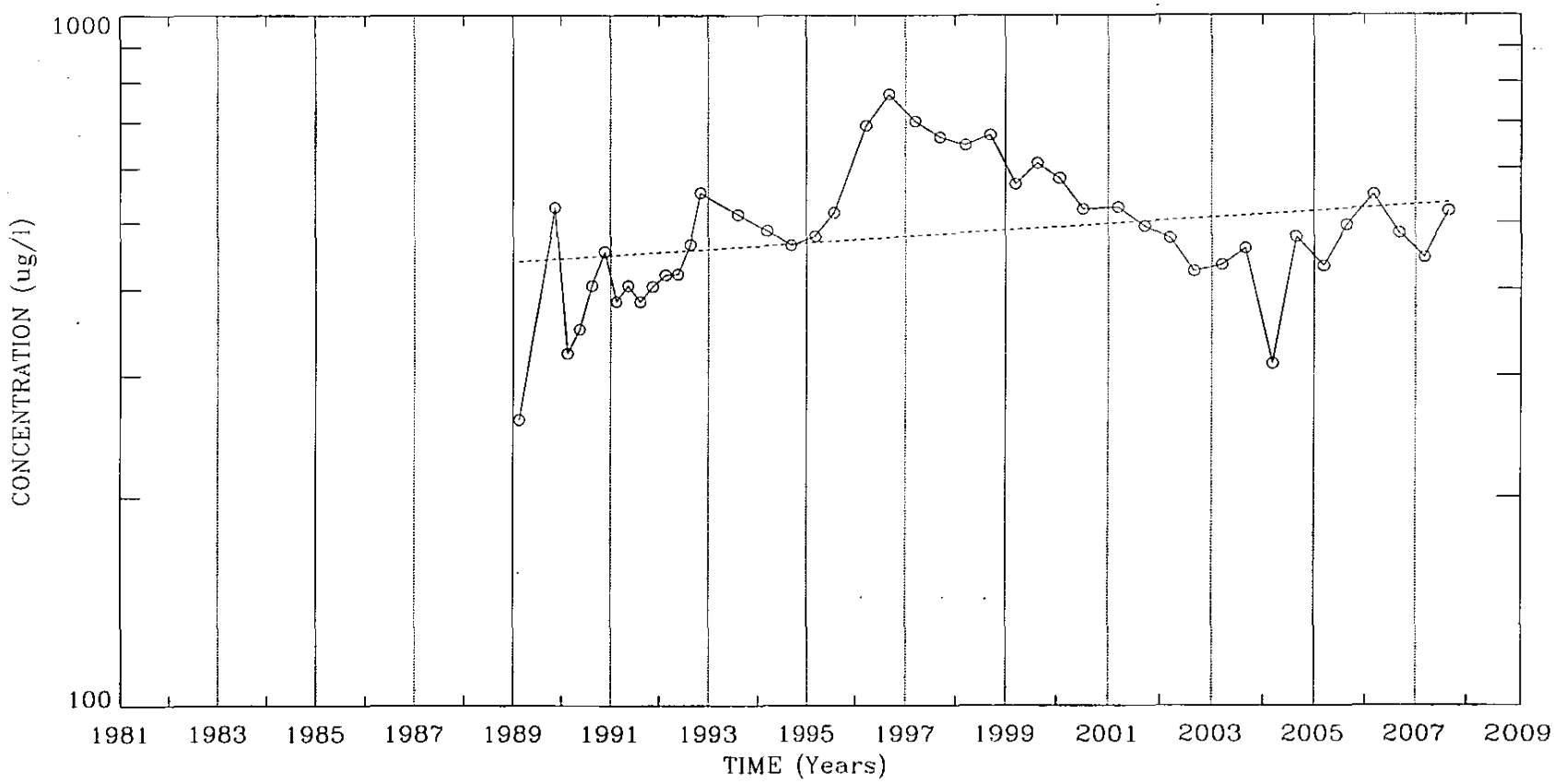

REGRESSION LINE EQUATION: $Y = 8.288E+002e^{0.0008x}$

Well 27A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



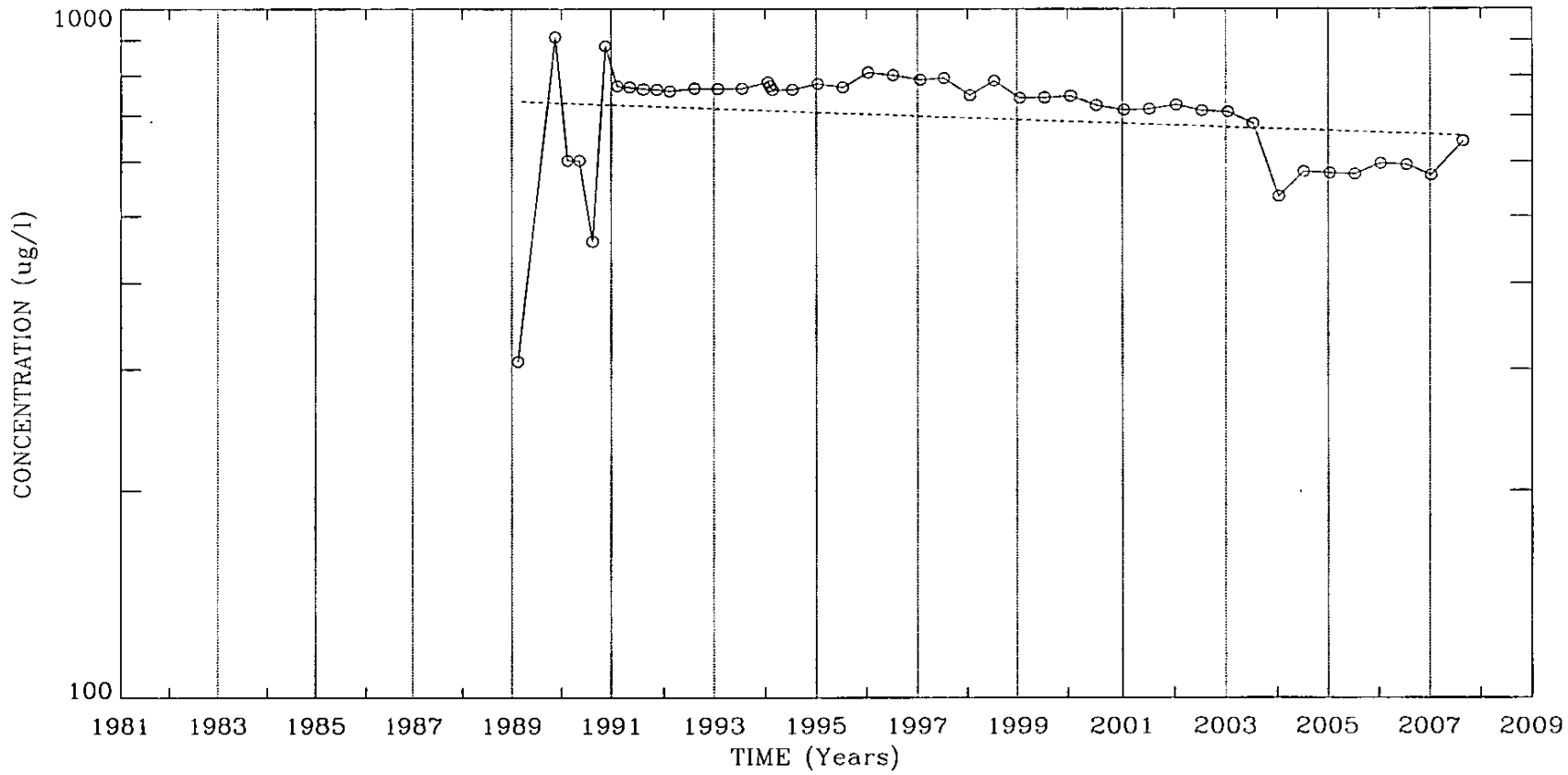

REGRESSION LINE EQUATION: $Y = 1.984E+002e^{0.0190x}$

Well 28A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



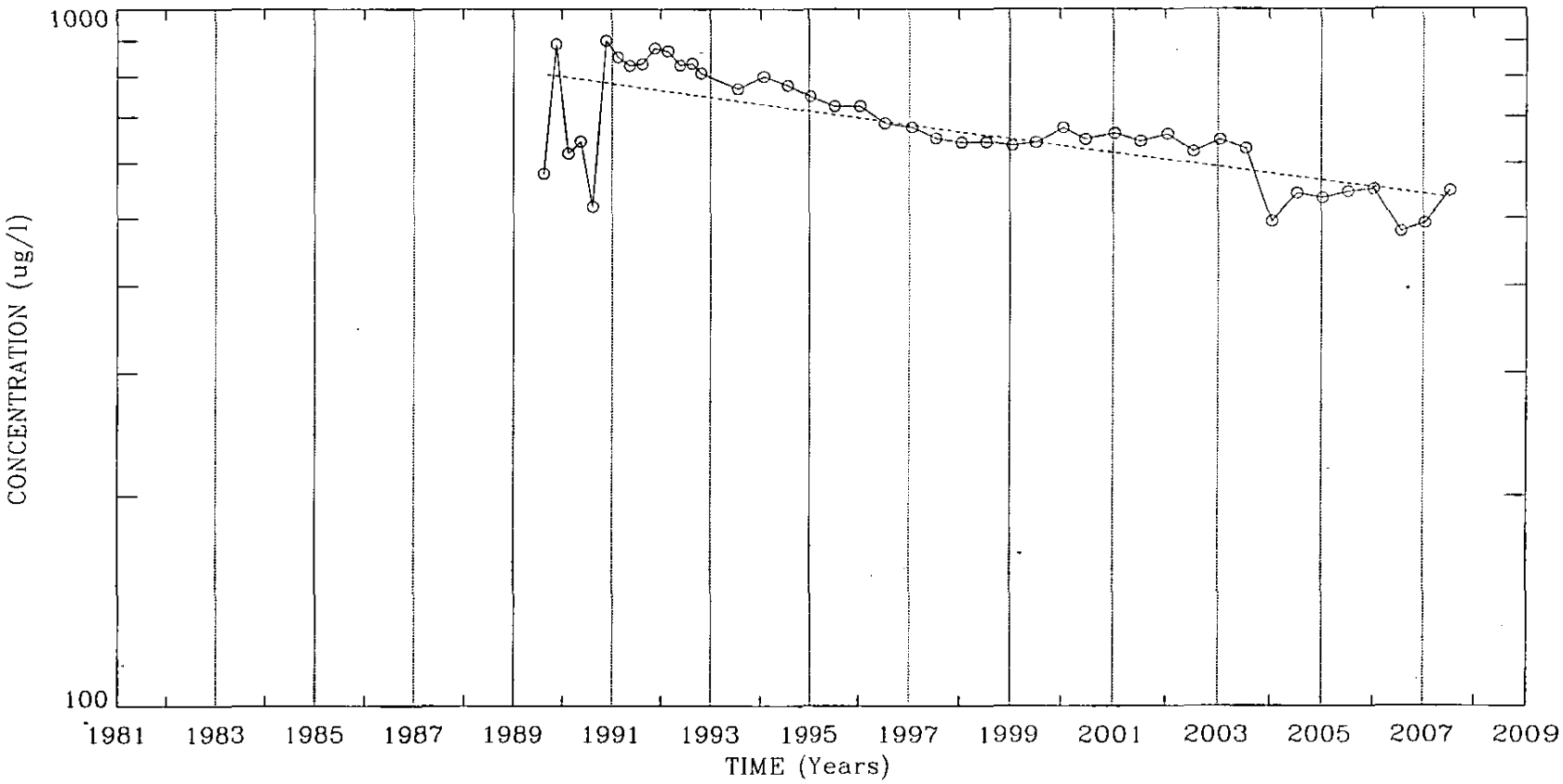

REGRESSION LINE EQUATION: $Y = 1.711E+002e^{0.0106x}$

Well 28B-1 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



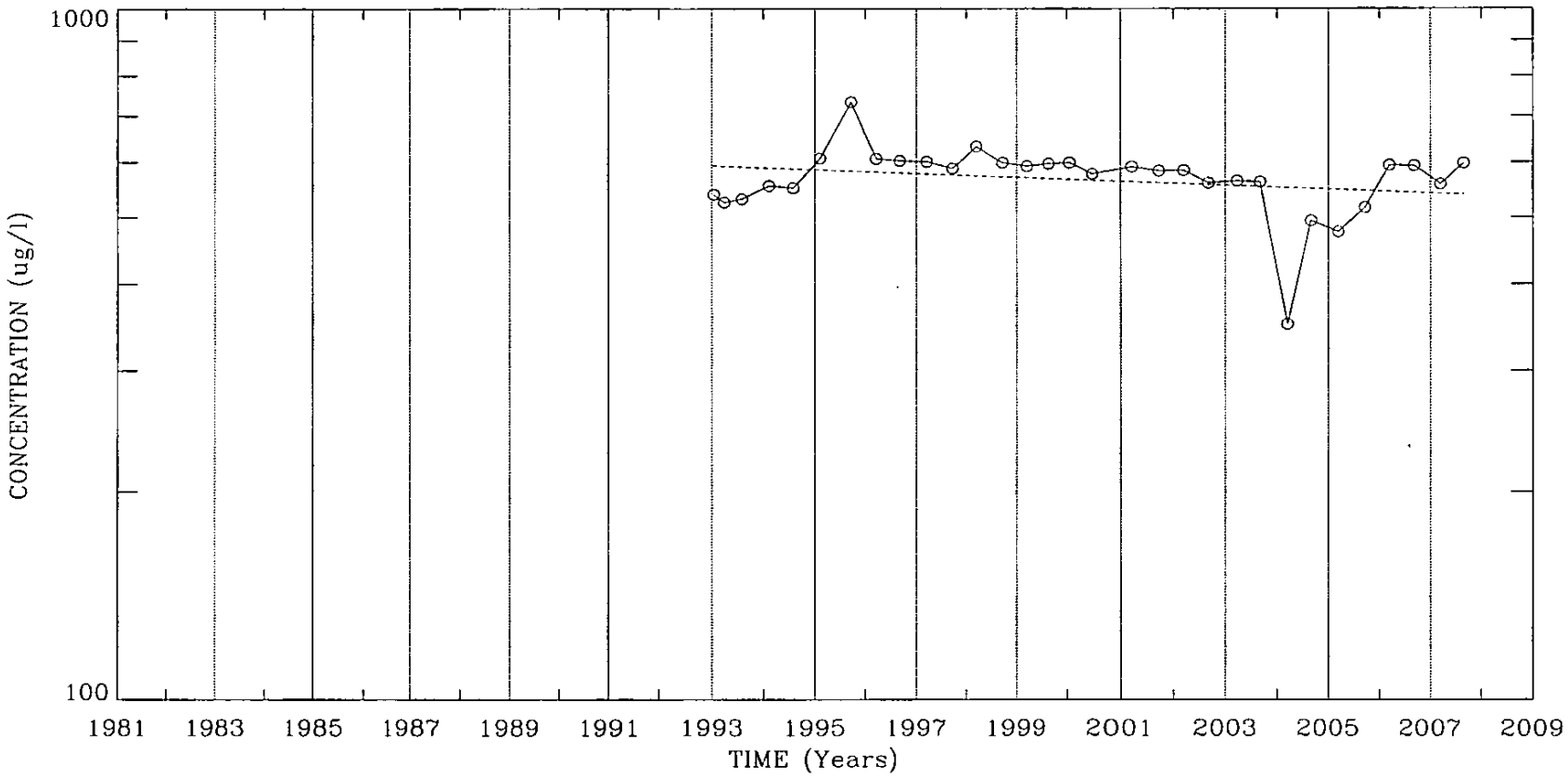

REGRESSION LINE EQUATION: $Y = 1.276E+003e^{-0.0062x}$

Well 30B-1 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



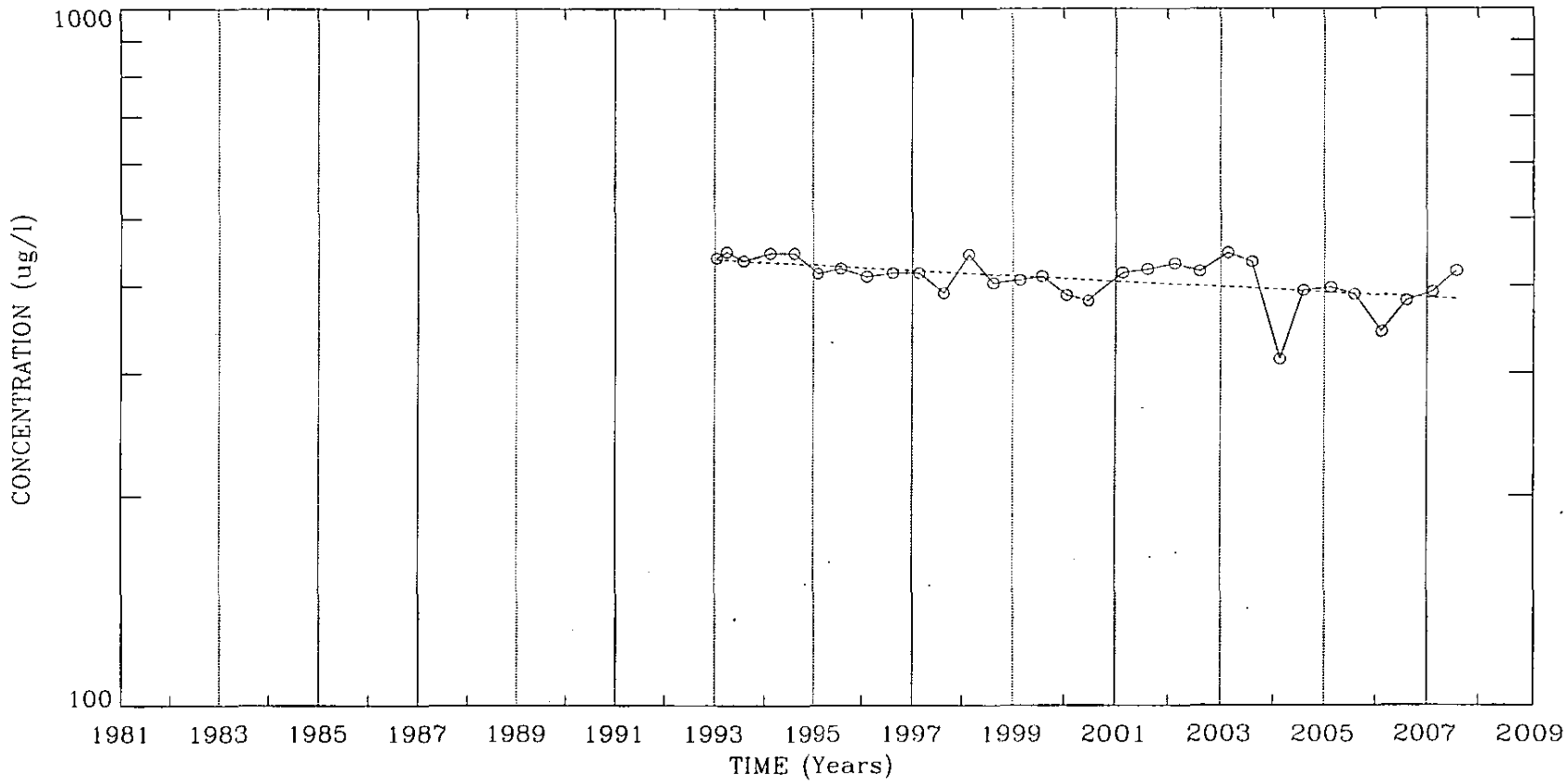

REGRESSION LINE EQUATION: $Y = 6.278E+003e^{-0.0229x}$

Well 31B-1L UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



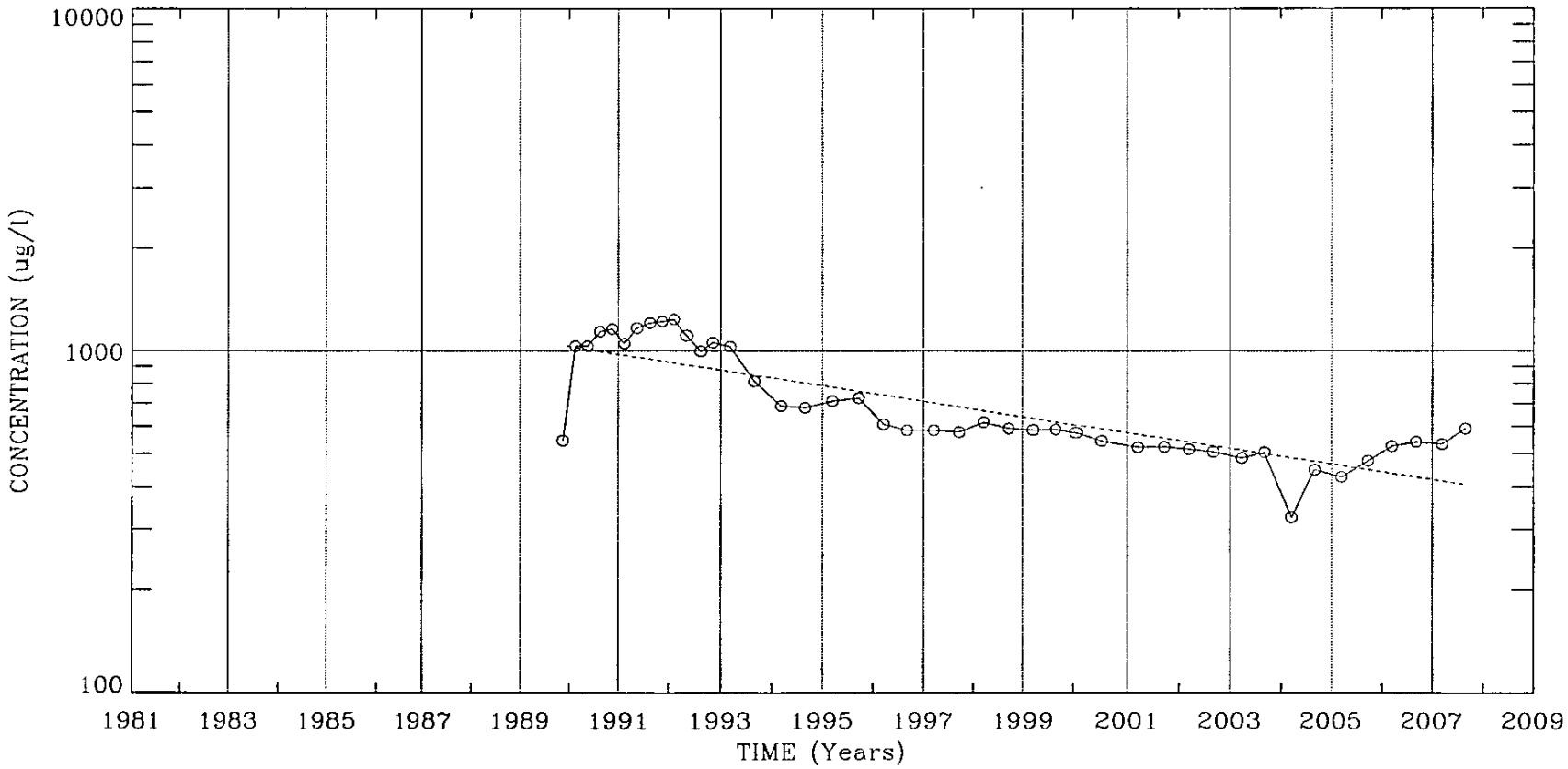

REGRESSION LINE EQUATION: $Y = 1.088E+003e^{-0.0065x}$

Well 31B-1U UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



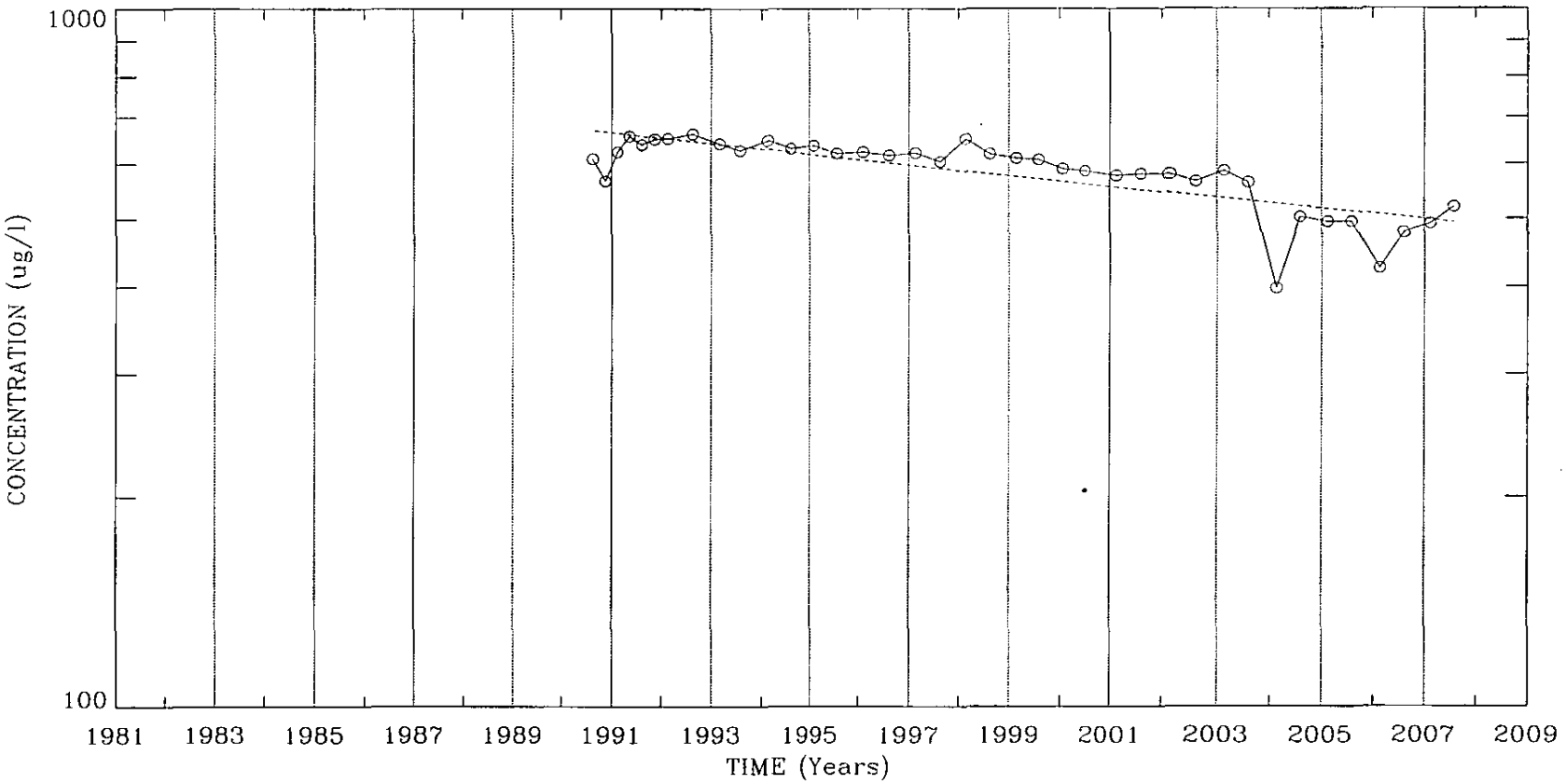

REGRESSION LINE EQUATION: $Y = 1.018E+003e^{-0.0091x}$

Well 31B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



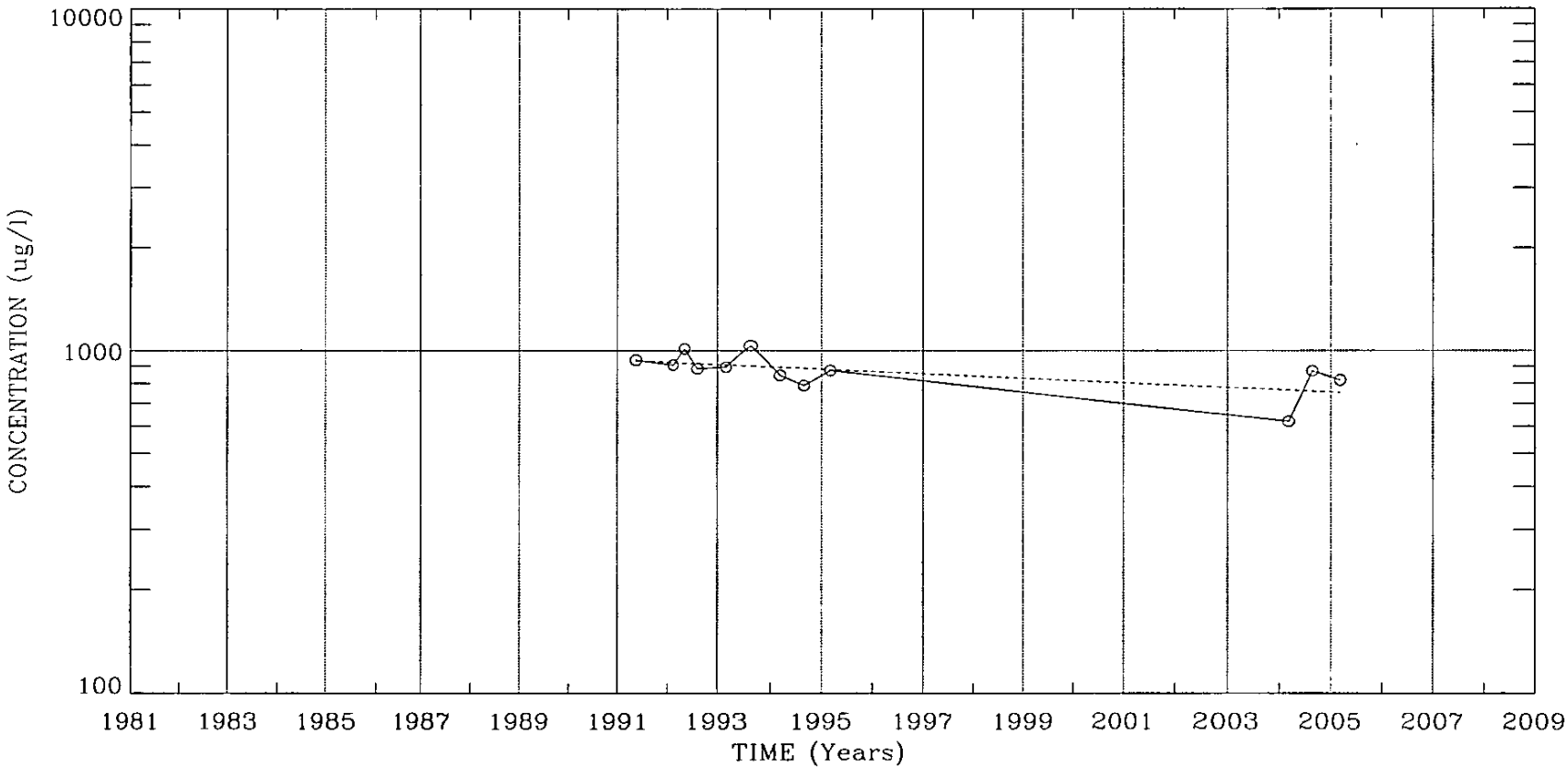

REGRESSION LINE EQUATION: $Y = 1.190E+005e^{-0.0528x}$

Well 31C UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



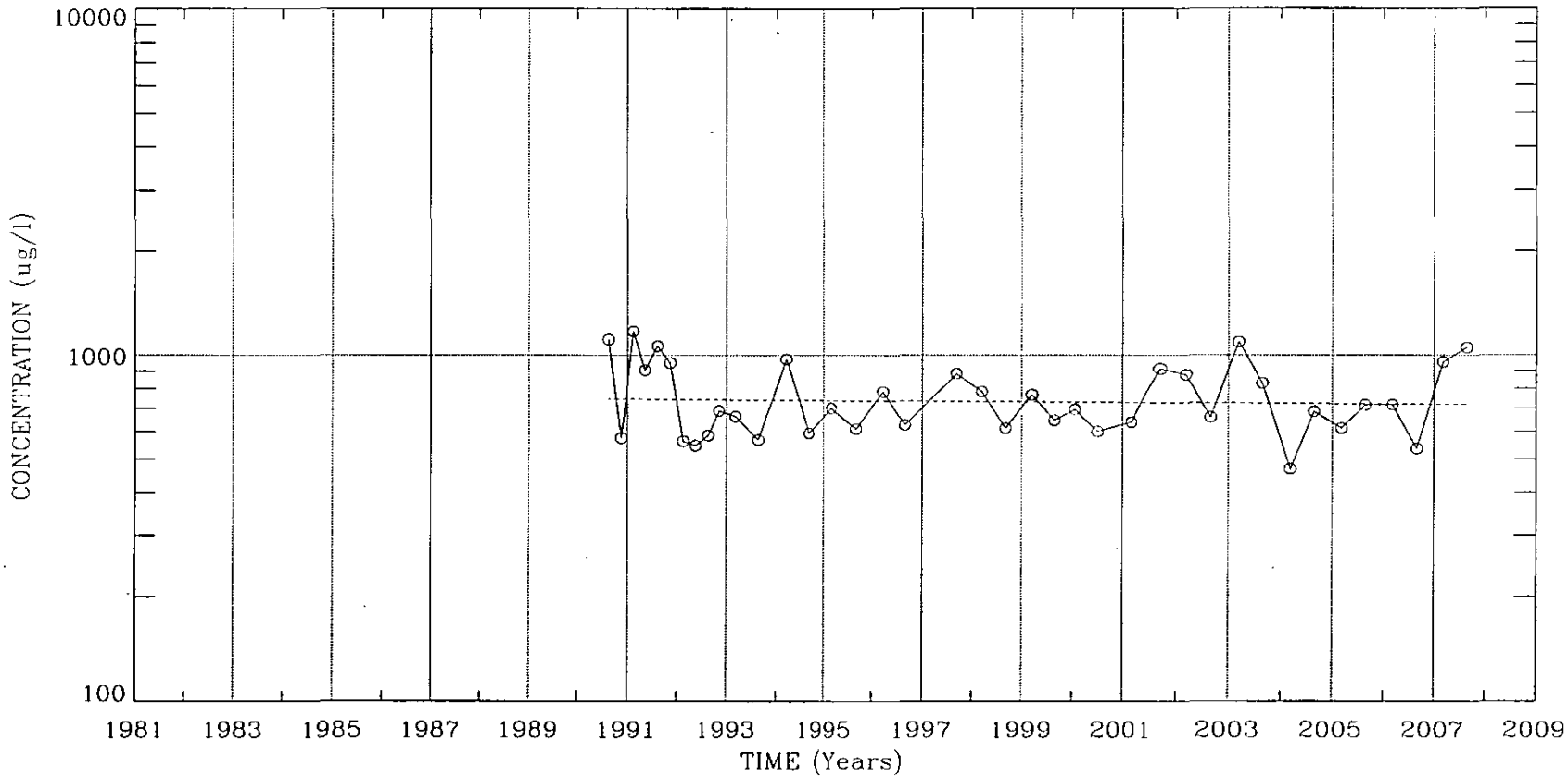

REGRESSION LINE EQUATION: $Y = 3.389E+003e^{-0.0179x}$

Well 32A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



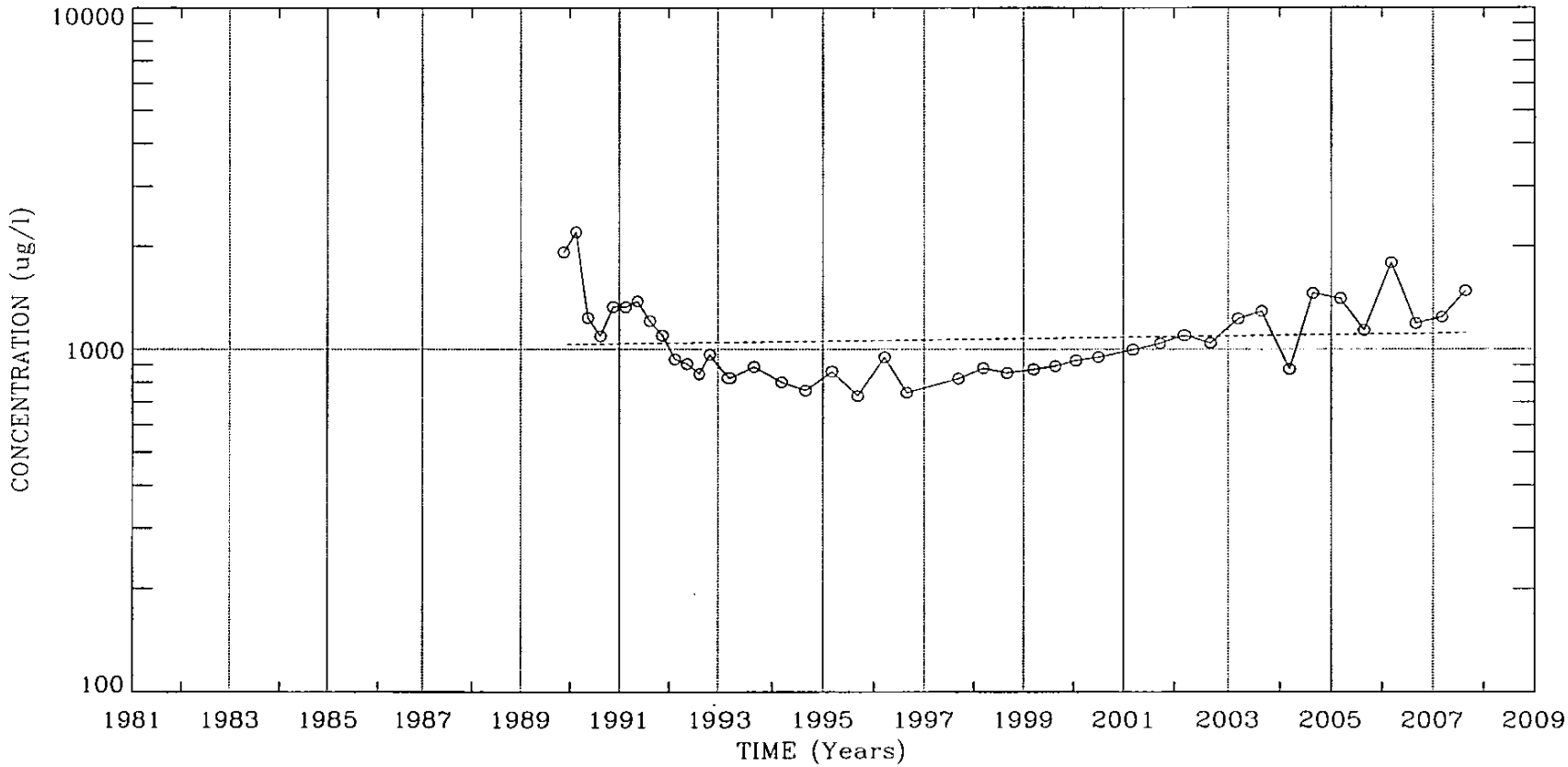

REGRESSION LINE EQUATION: $Y = 3.819E+003e^{-0.0154x}$

Well 32B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



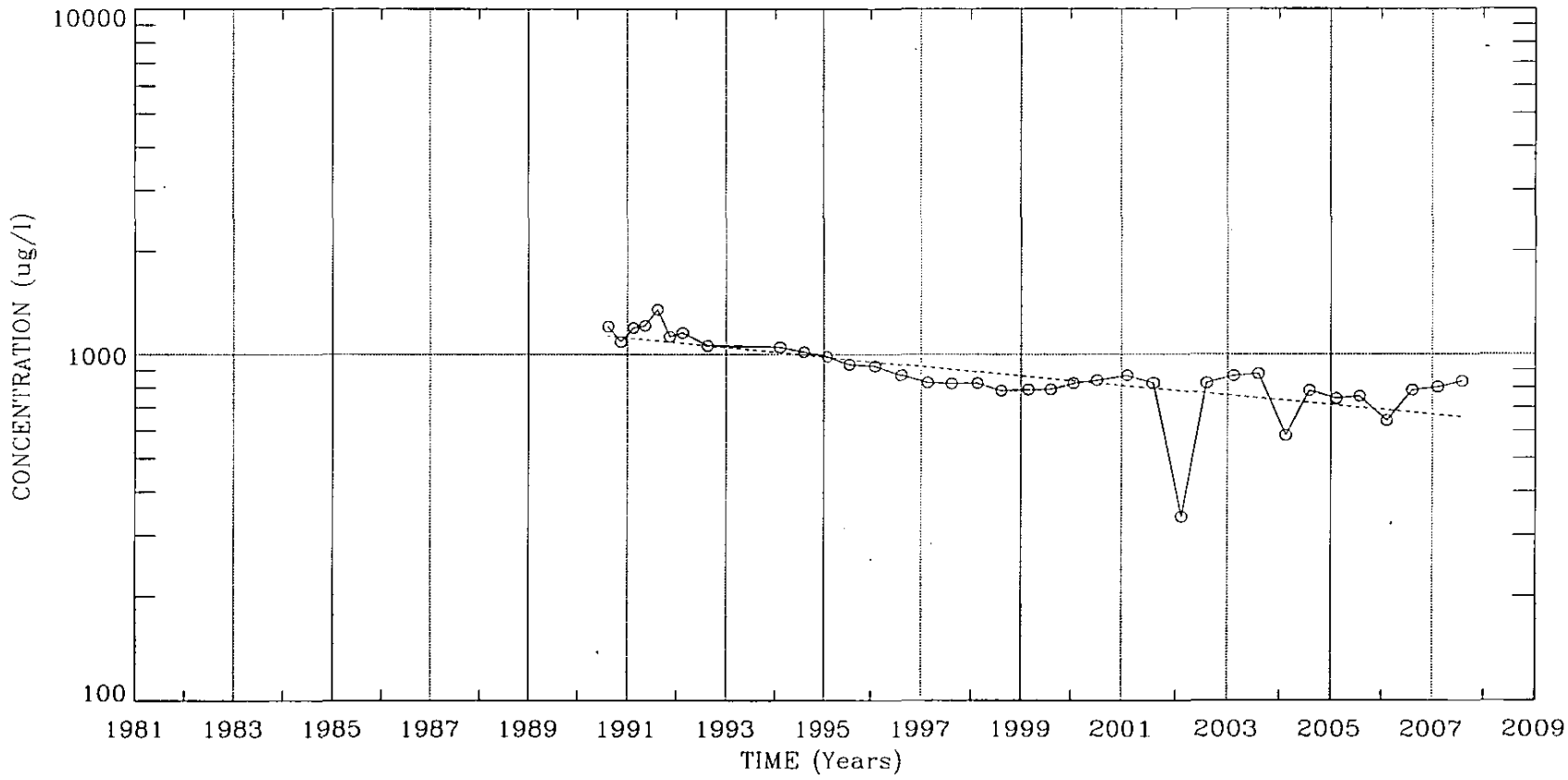

REGRESSION LINE EQUATION: $Y = 9.105E+002e^{-0.0022x}$

Well 32B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



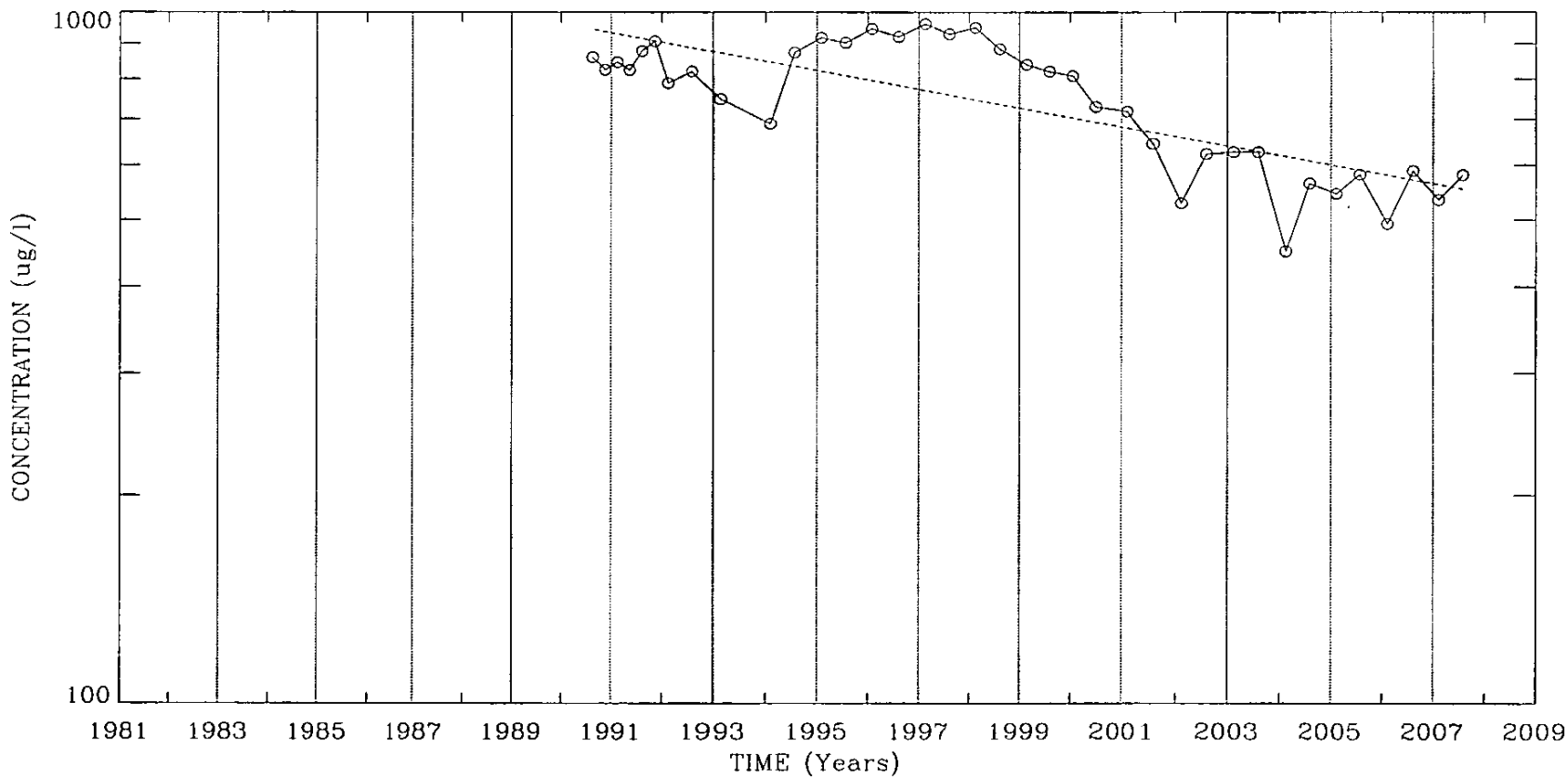

REGRESSION LINE EQUATION: $Y = 6.945E+002e^{0.0044x}$

Well 33A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



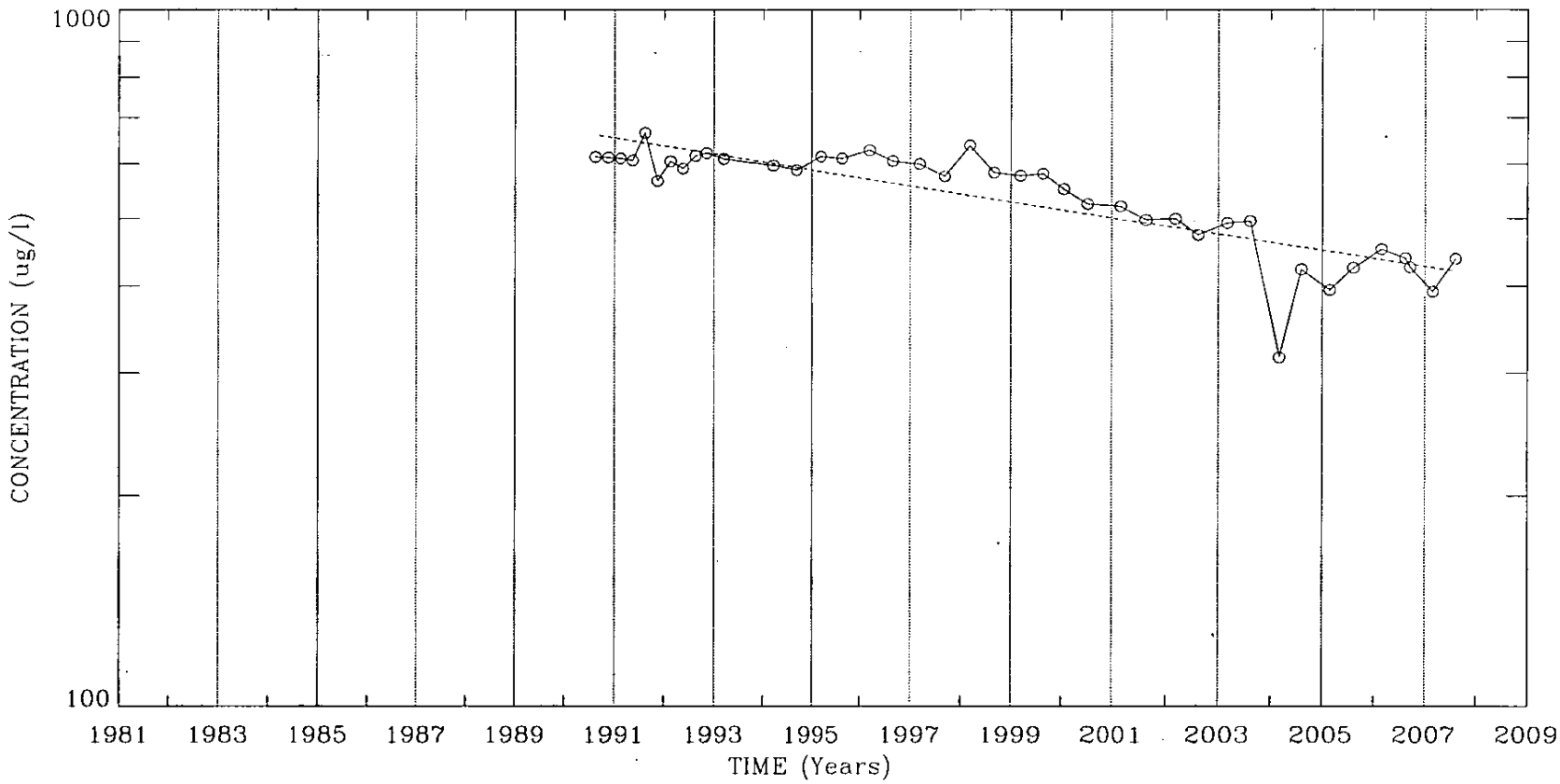

REGRESSION LINE EQUATION: $Y = 2.049E+004e^{-0.0320x}$

Well 33B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



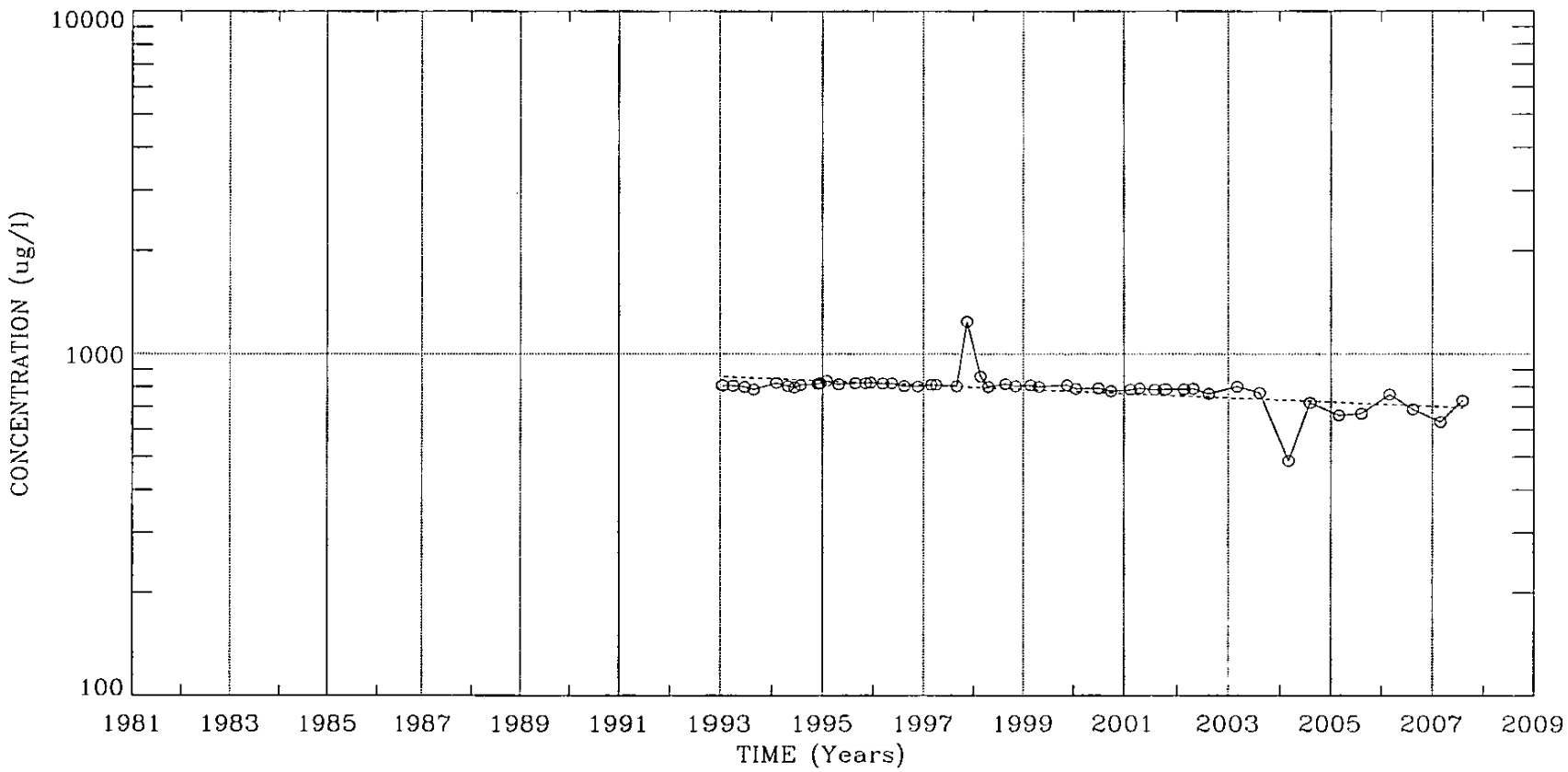

REGRESSION LINE EQUATION: $Y = 1.628E+004e^{-0.0314x}$

Well 33B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



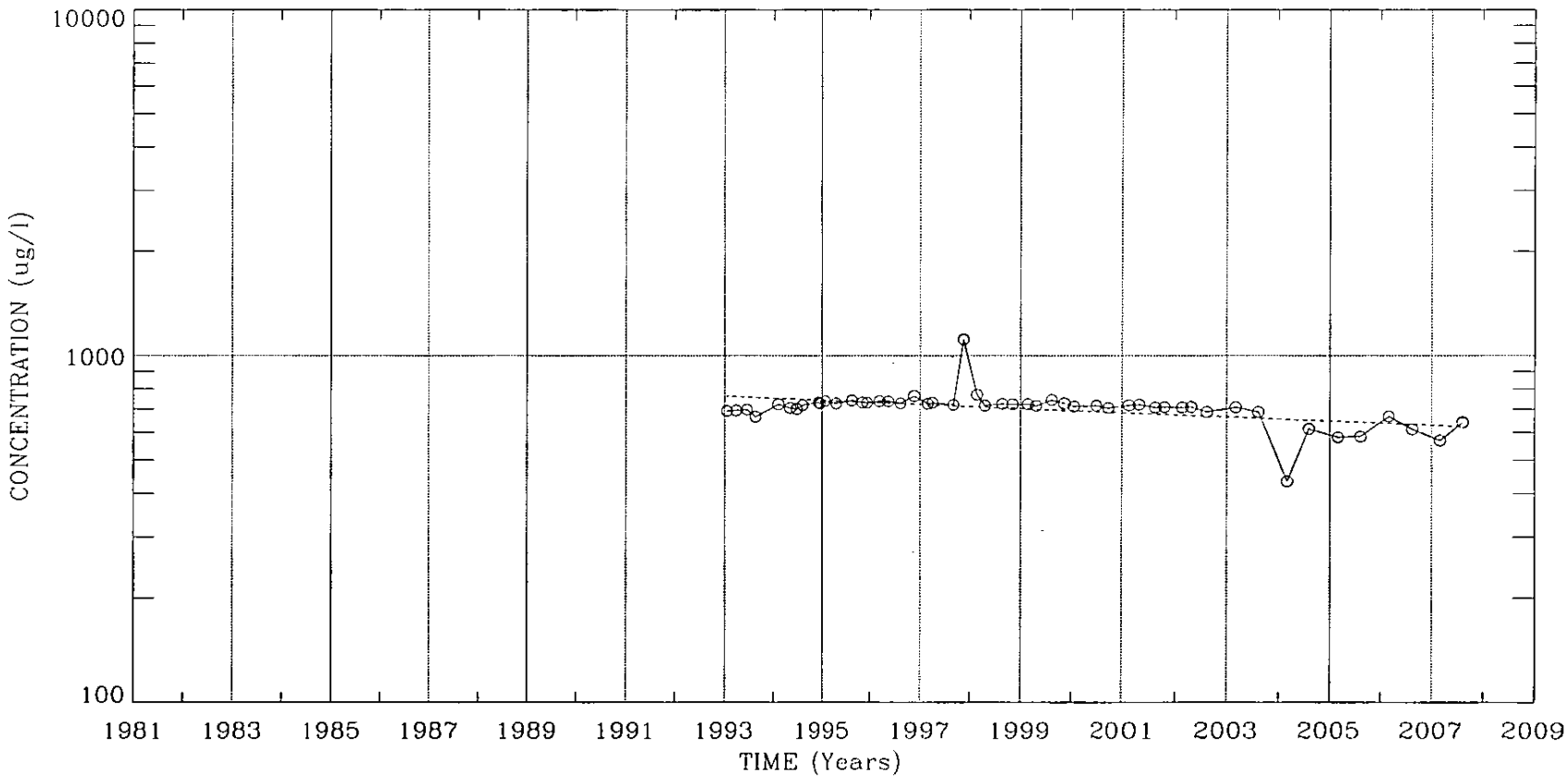

REGRESSION LINE EQUATION: $Y = 7.380E+003e^{-0.0266x}$

Well 33CL UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



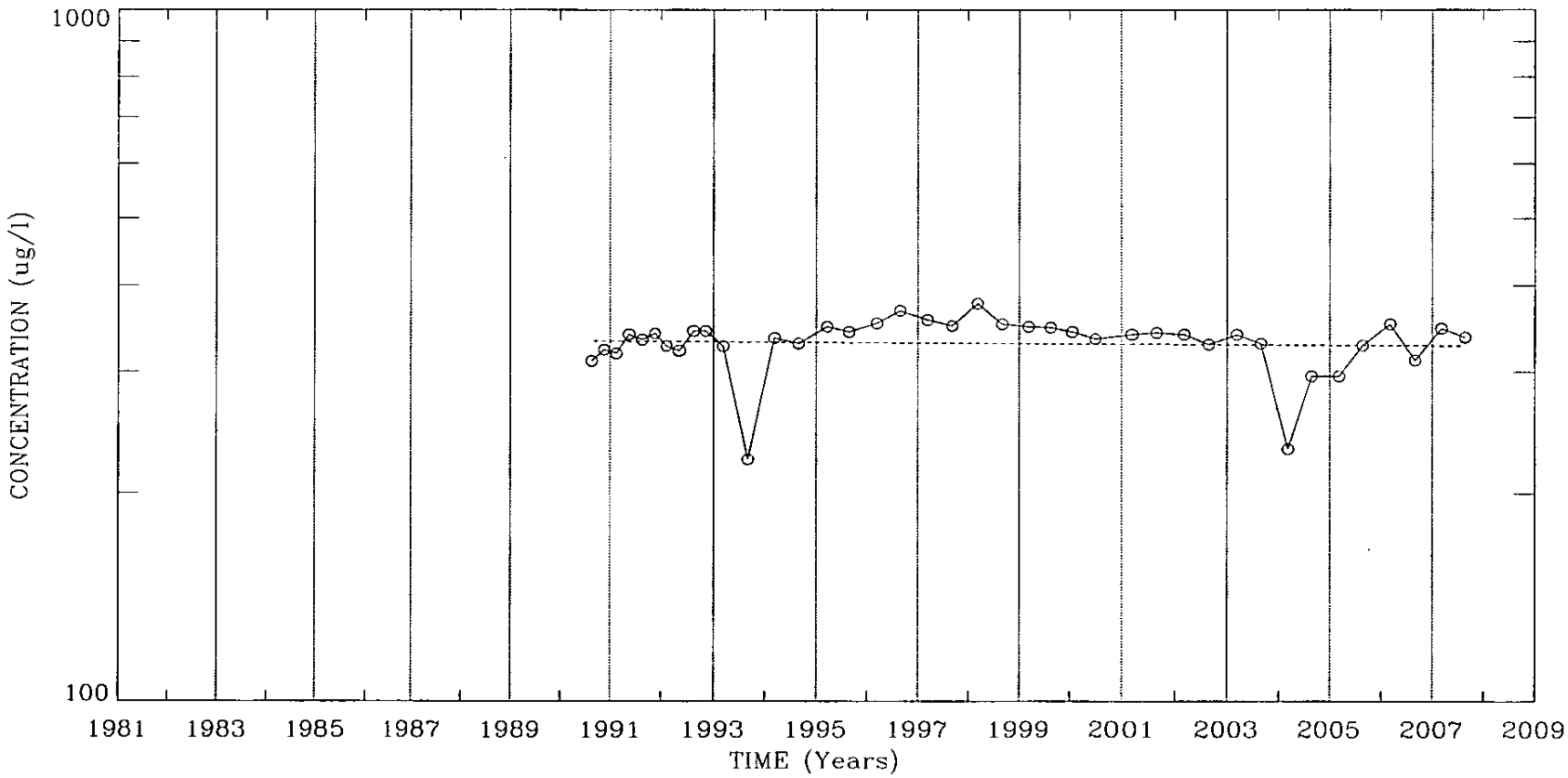

REGRESSION LINE EQUATION: $Y = 3.260E+003e^{-0.0143x}$

Well 33CU UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



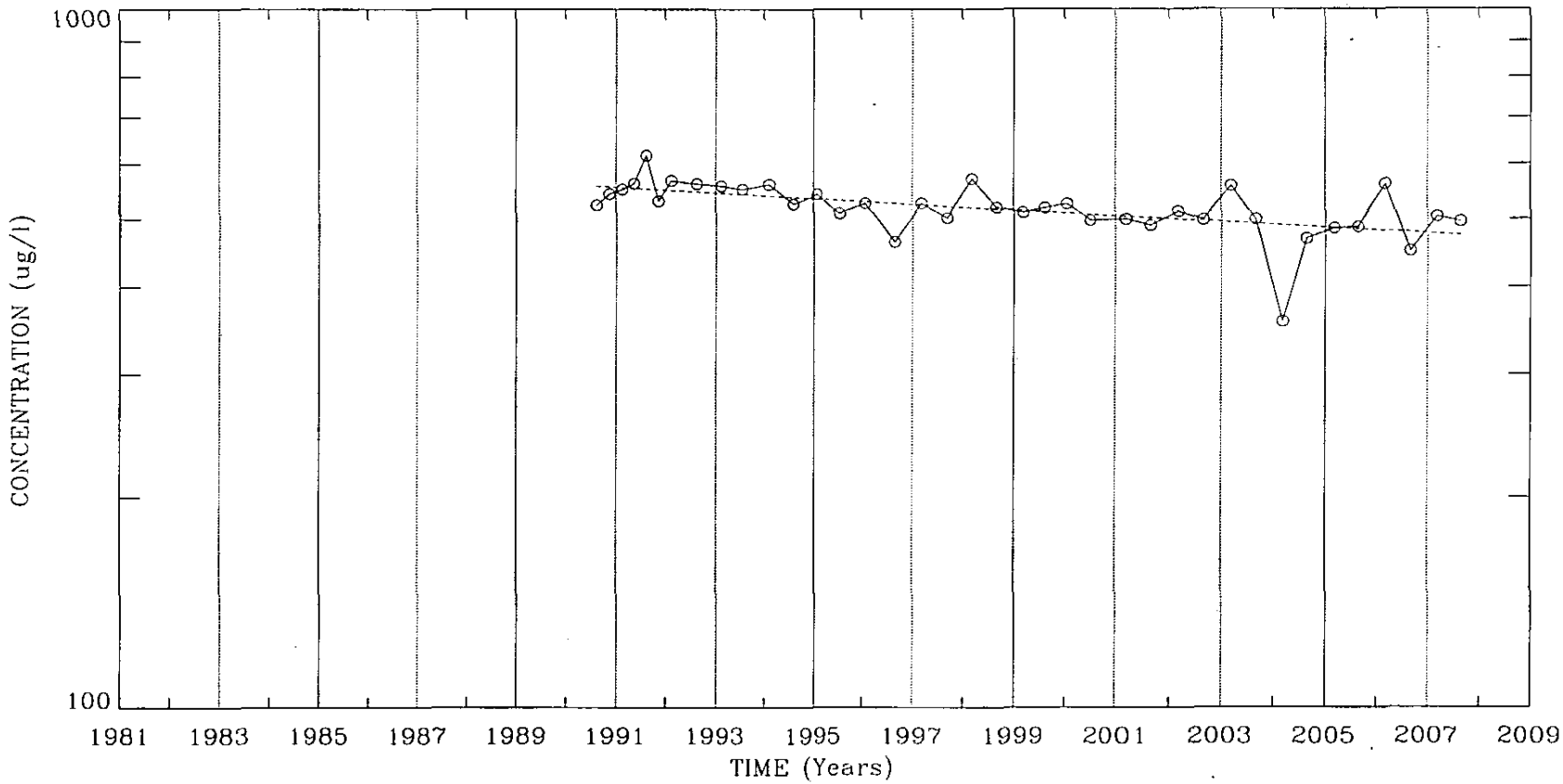

REGRESSION LINE EQUATION: $Y = 2.746E+003e^{-0.0138x}$

Well 34A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



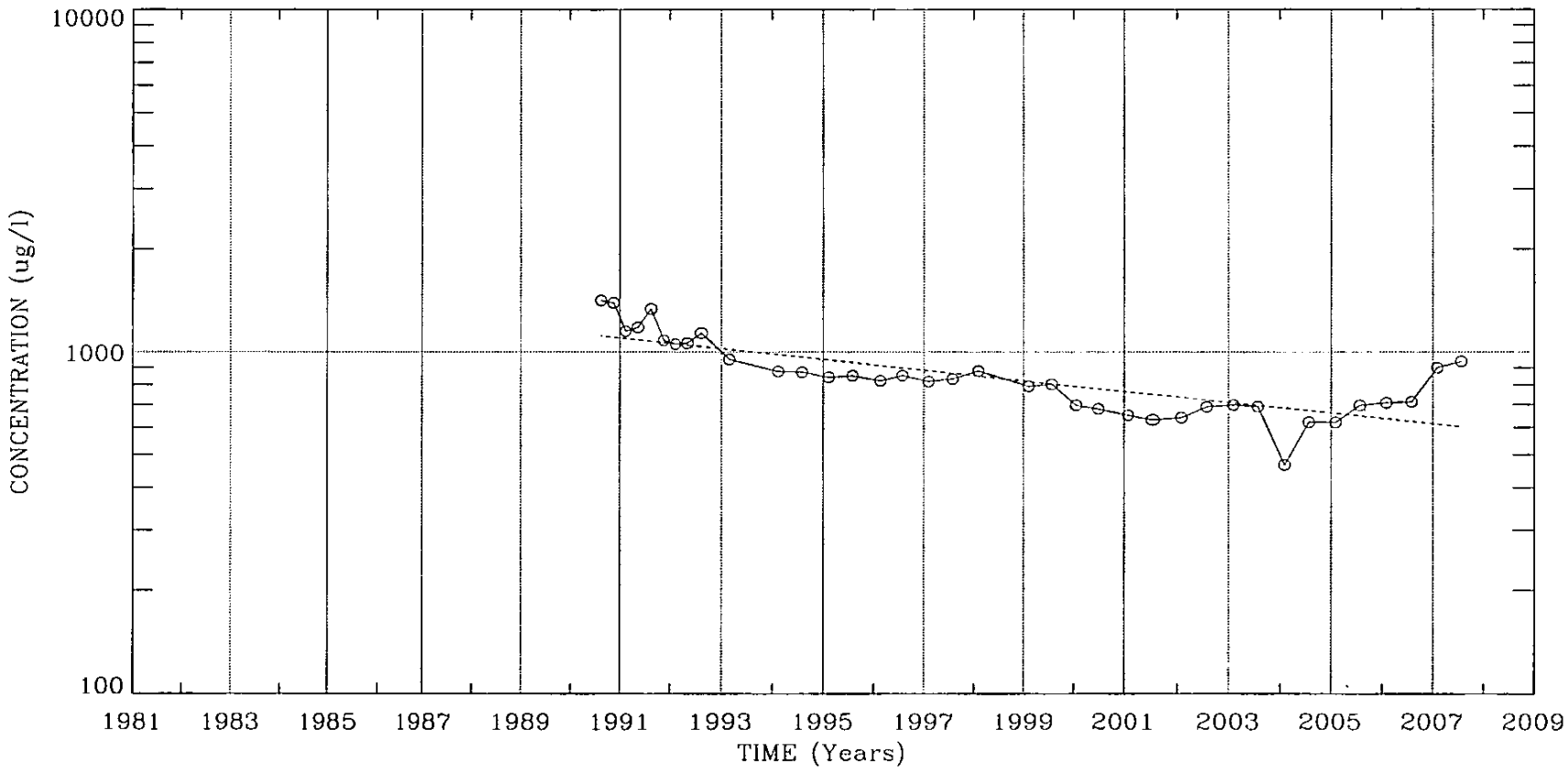

REGRESSION LINE EQUATION: $Y = 3.616E+002e^{-0.0009x}$

Well 34B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



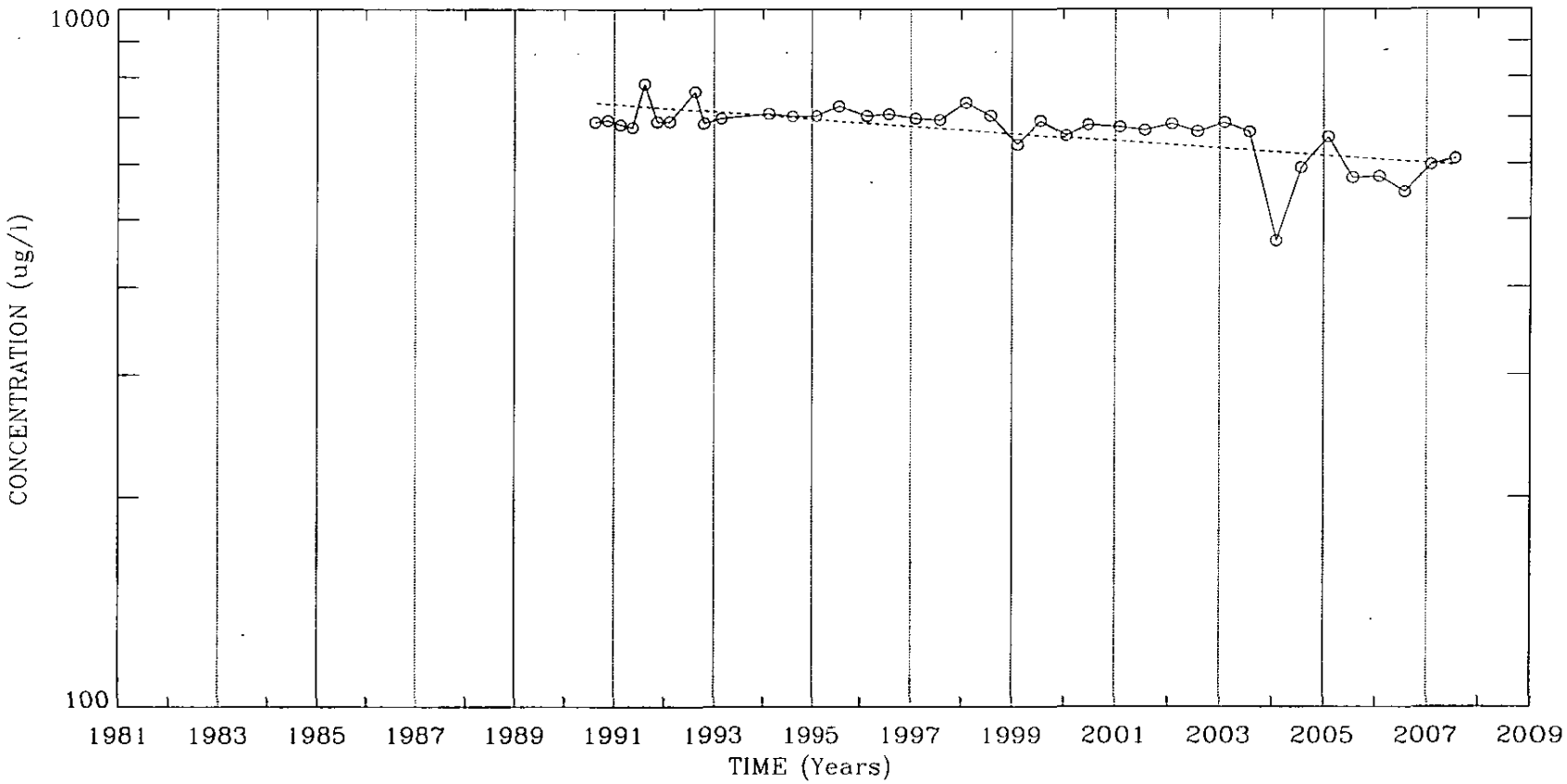

REGRESSION LINE EQUATION: $Y = 1.328E+003e^{-0.0096x}$

Well 35A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



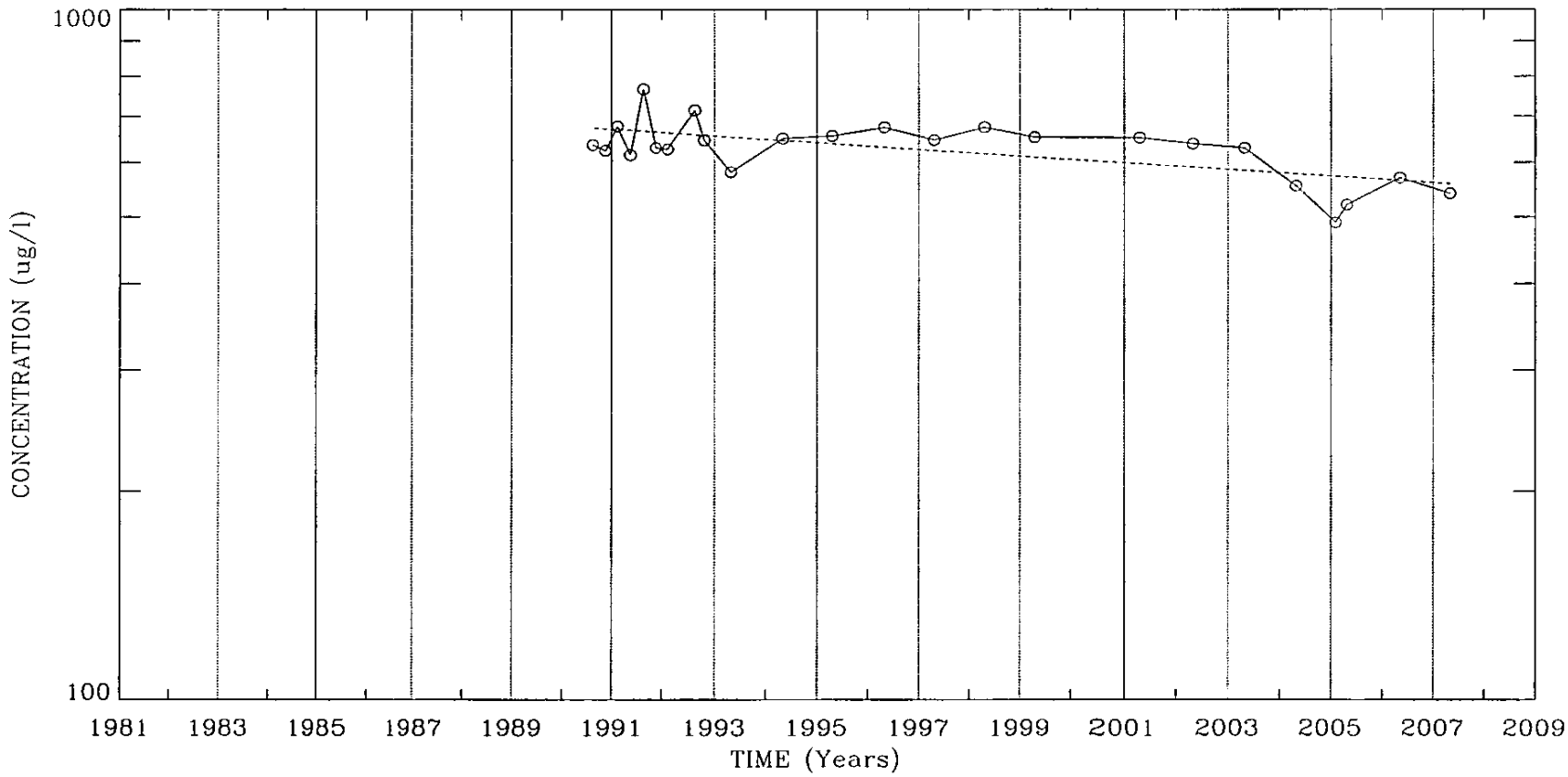

REGRESSION LINE EQUATION: $Y = 2.946E+004e^{-0.0361x}$

Well 35B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



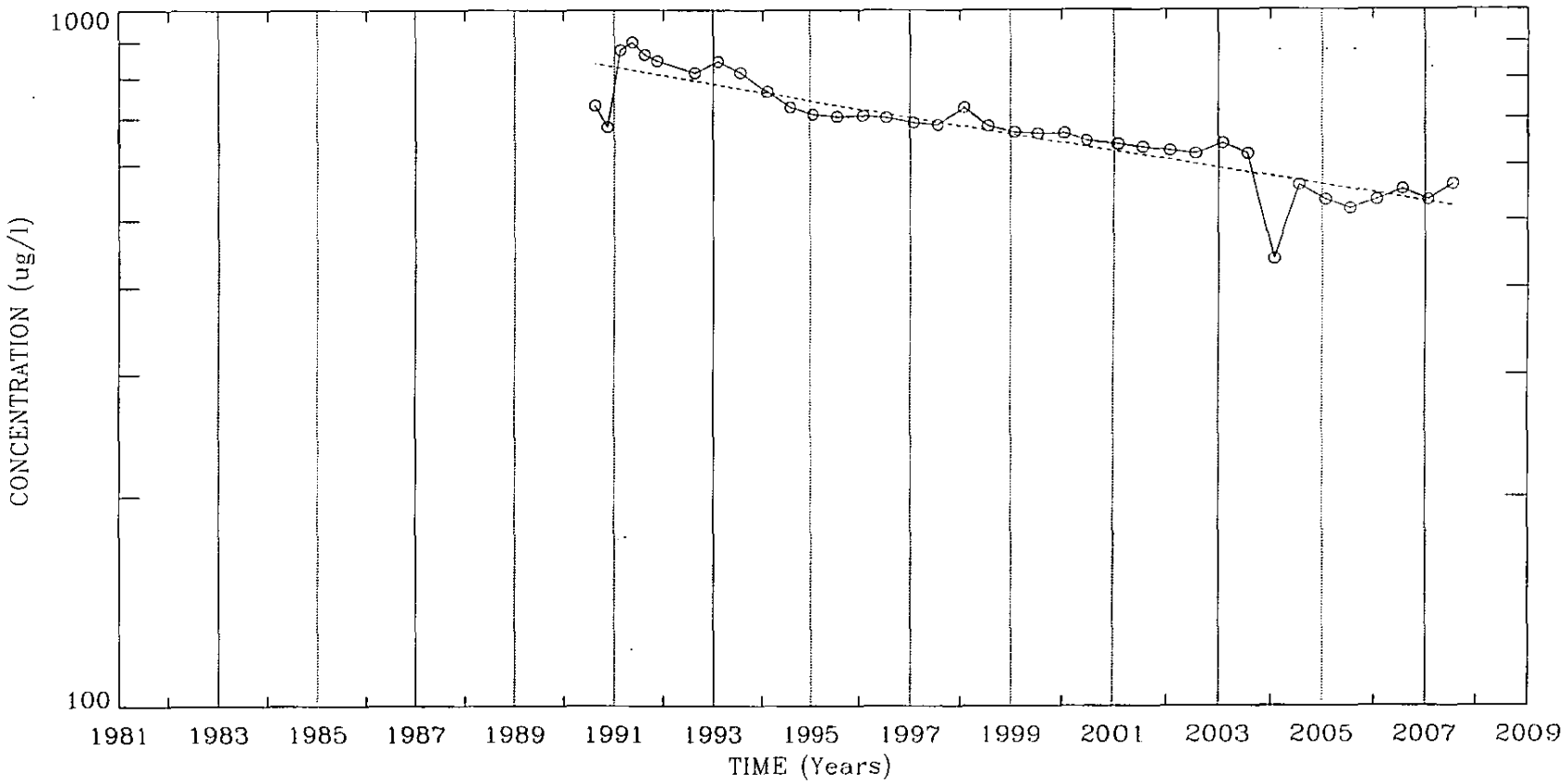

REGRESSION LINE EQUATION: $Y = 2.184E+003e^{-0.0120x}$

Well 35B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



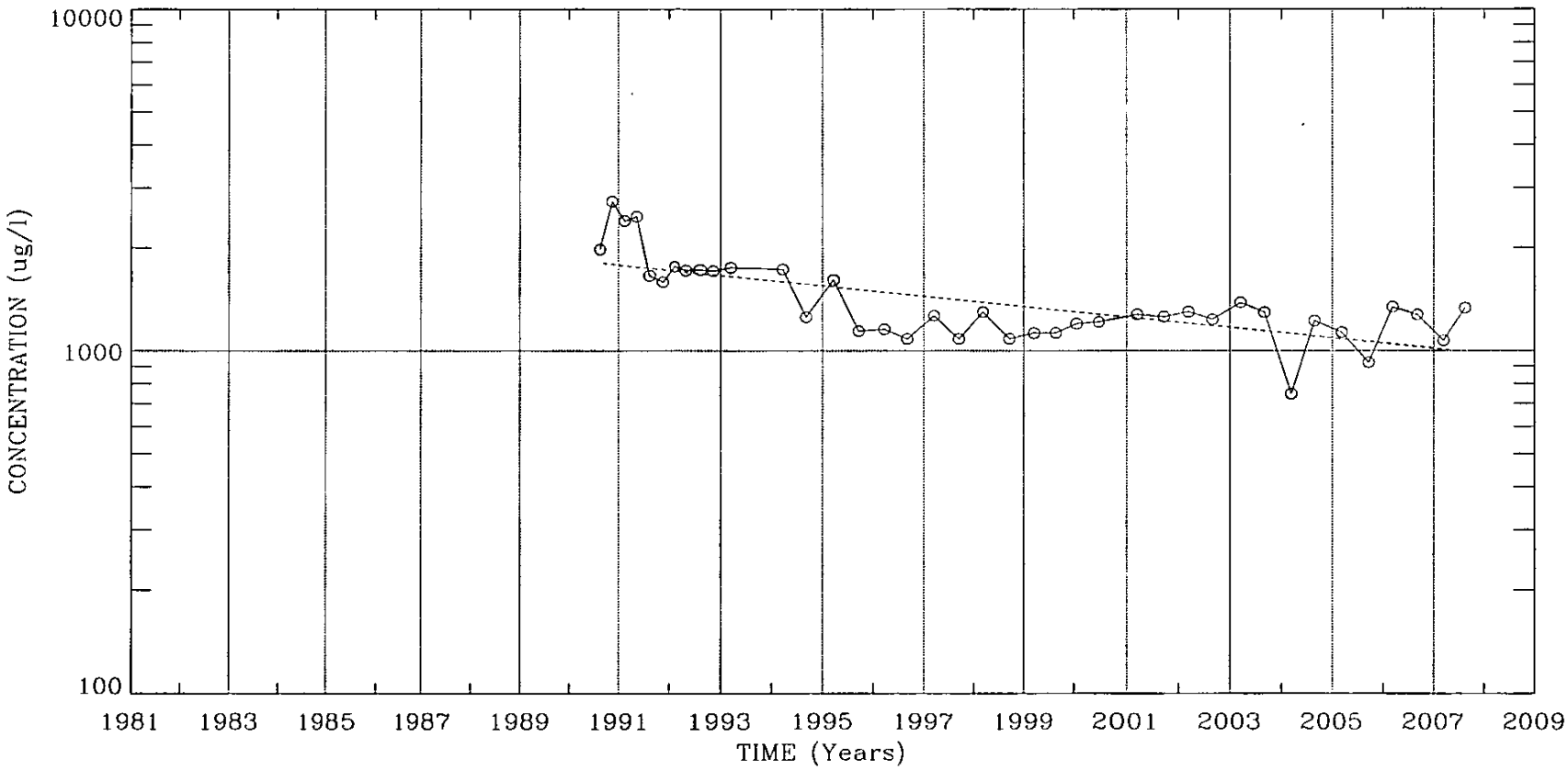

REGRESSION LINE EQUATION: $Y = 1.847E+003e^{-0.0111x}$

Well 36B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



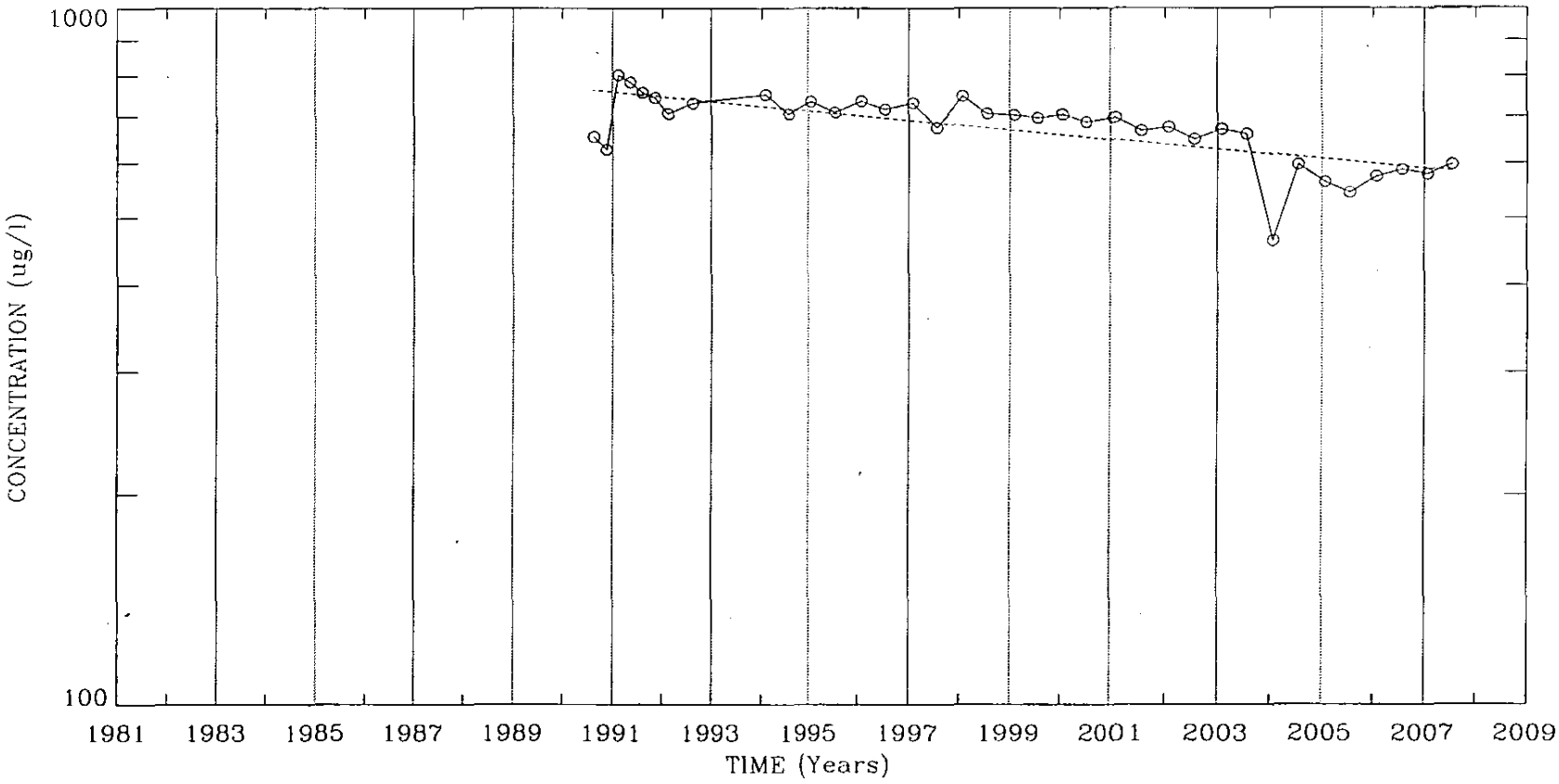

REGRESSION LINE EQUATION: $Y = 1.034E+004e^{-0.0277x}$

Well 37A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



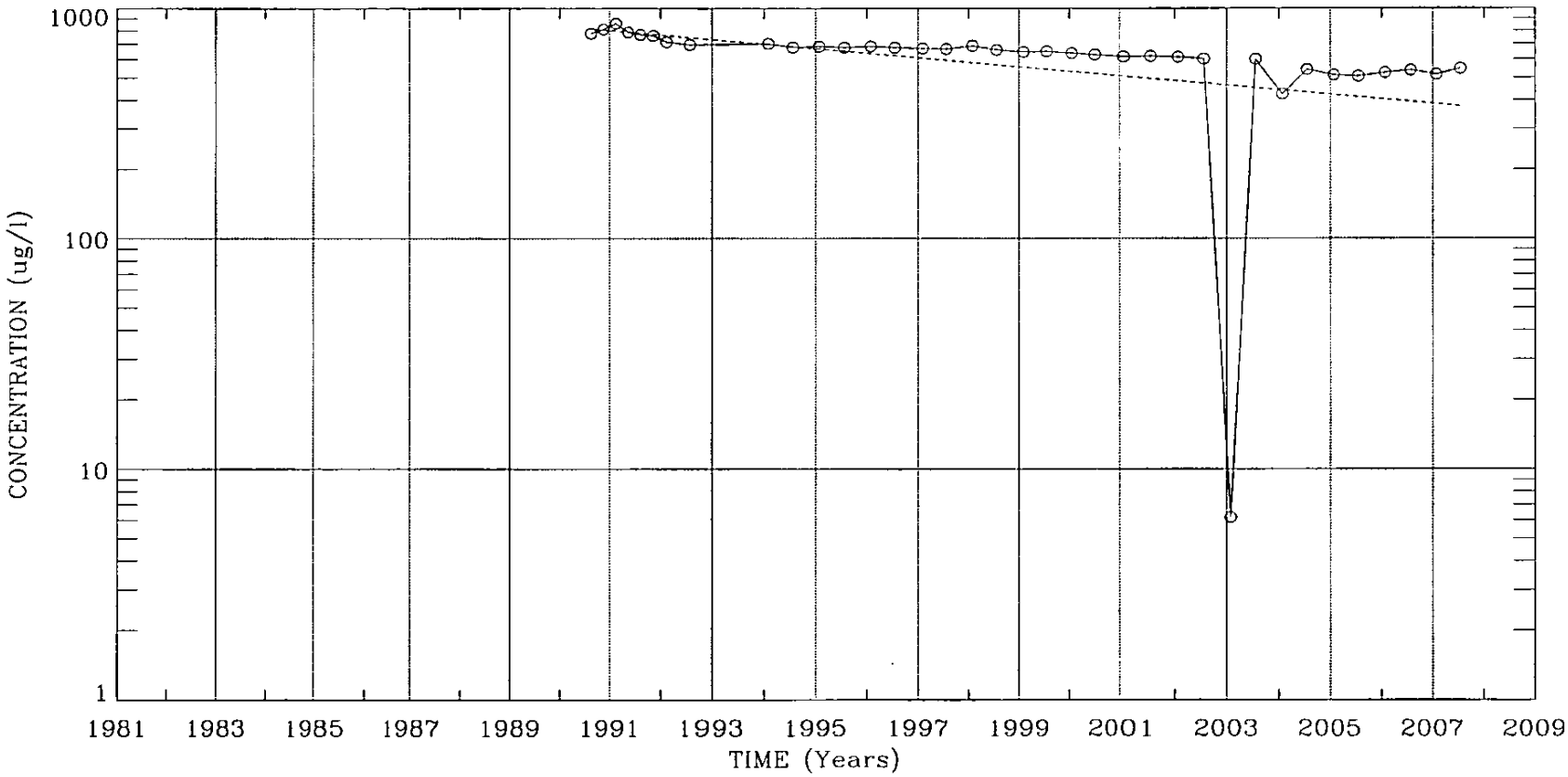

REGRESSION LINE EQUATION: $Y = 4.338E+004e^{-0.0351x}$

Well 37B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



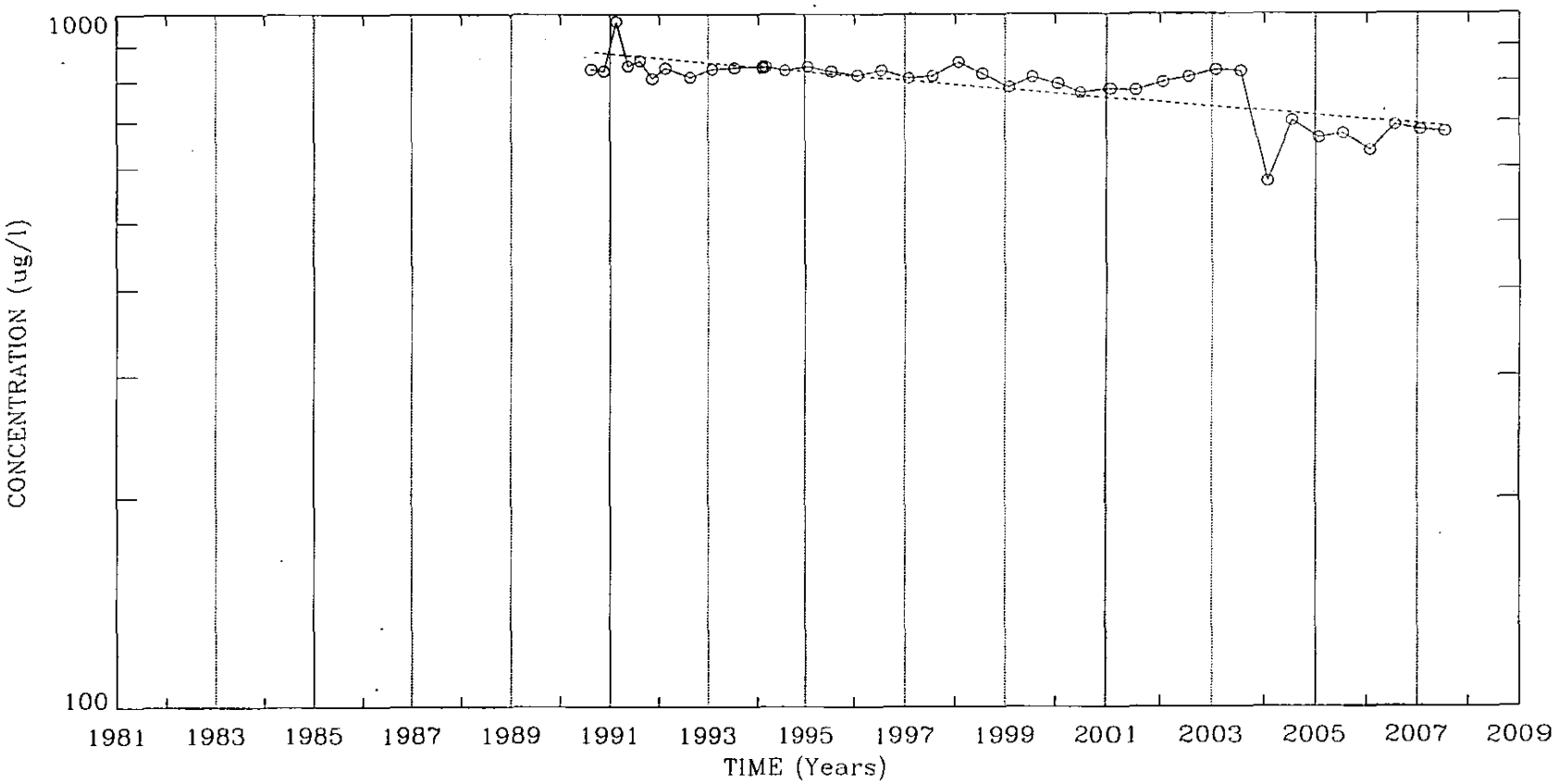

REGRESSION LINE EQUATION: $Y = 3.178E+003e^{-0.0157x}$

Well 37B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



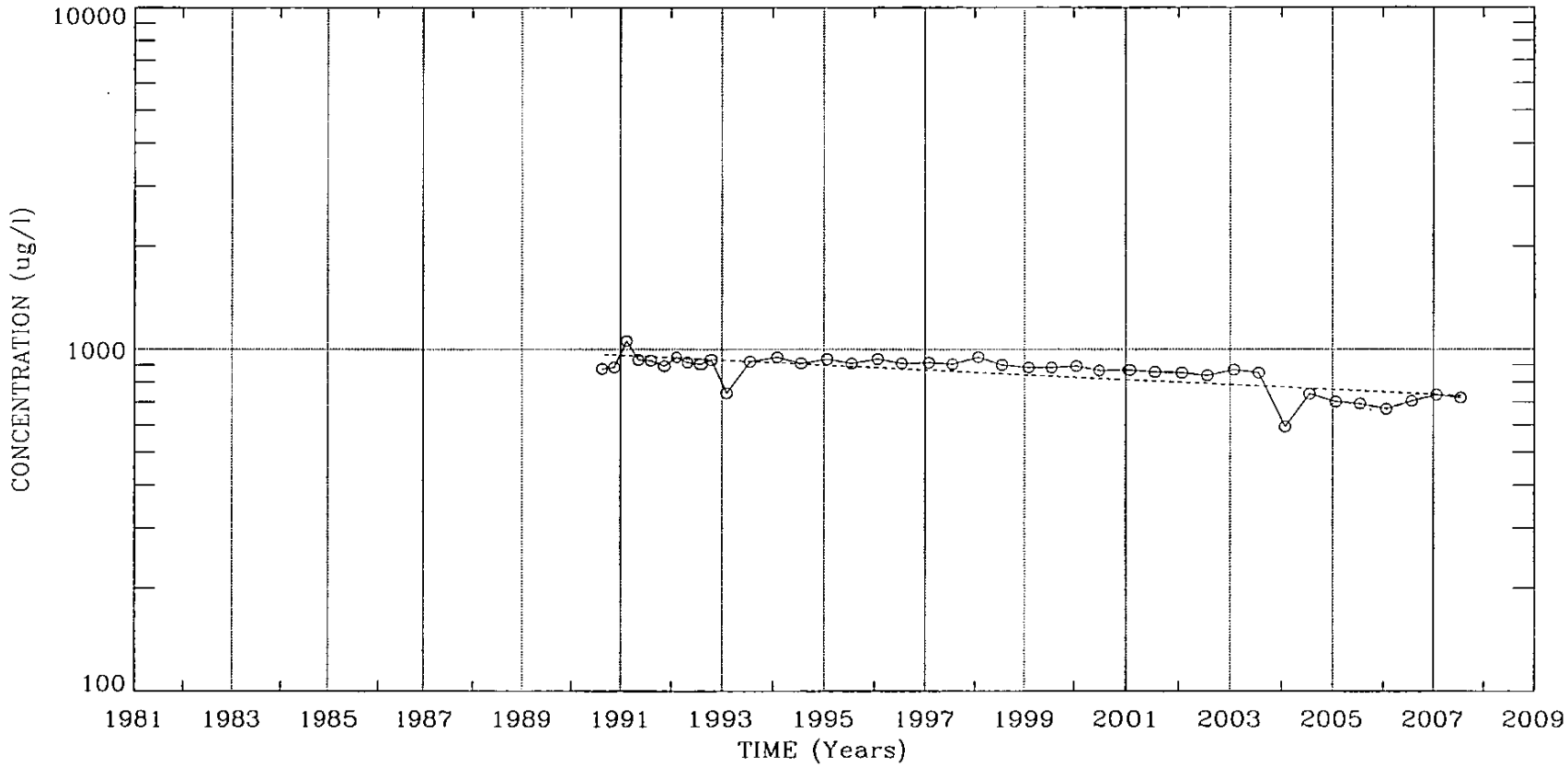

REGRESSION LINE EQUATION: $Y = 5.125E+004e^{-0.0457x}$

Well 38A UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



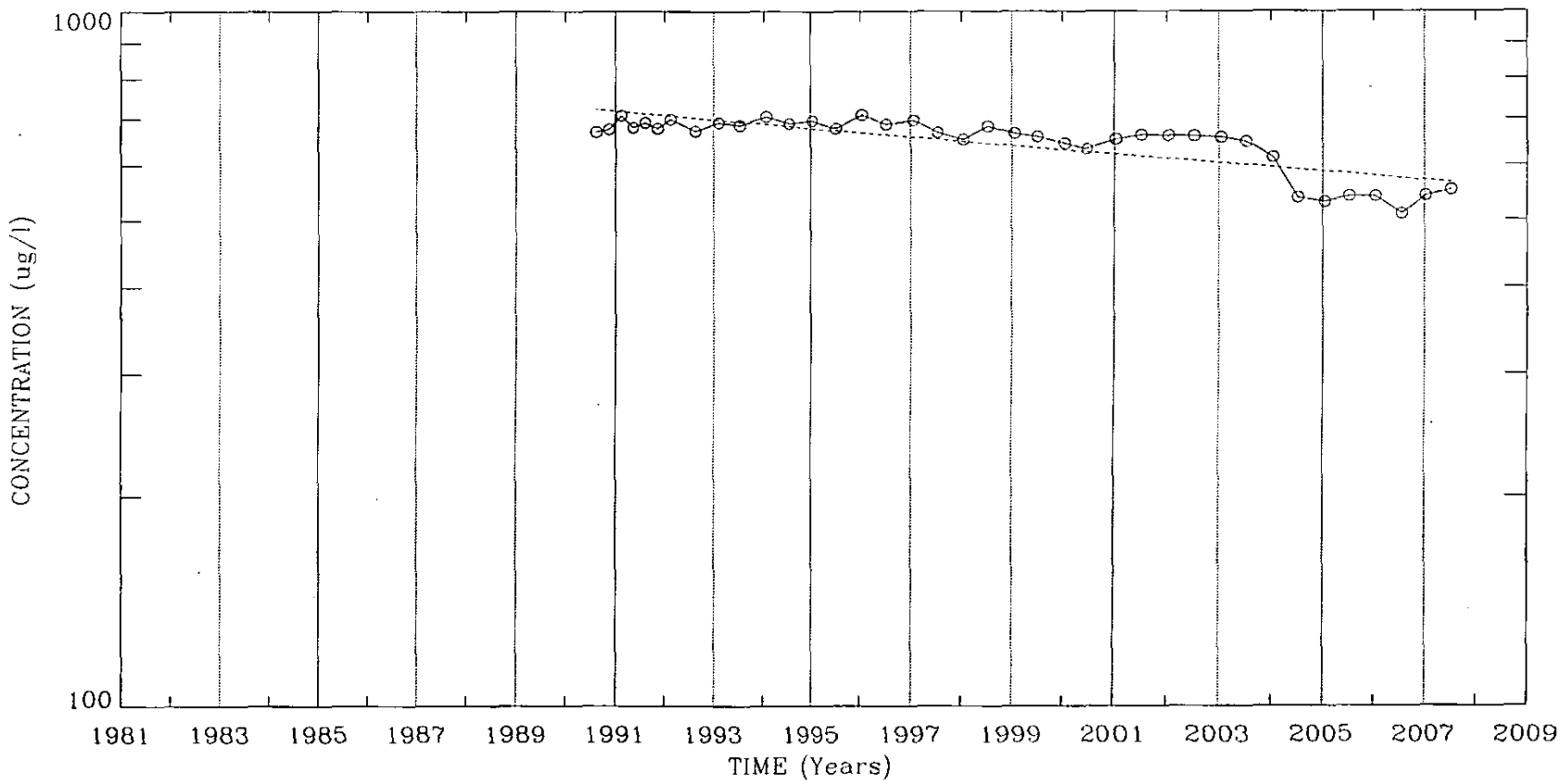

REGRESSION LINE EQUATION: $Y = 3.338E+003e^{-0.0147x}$

Well 38B-1 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



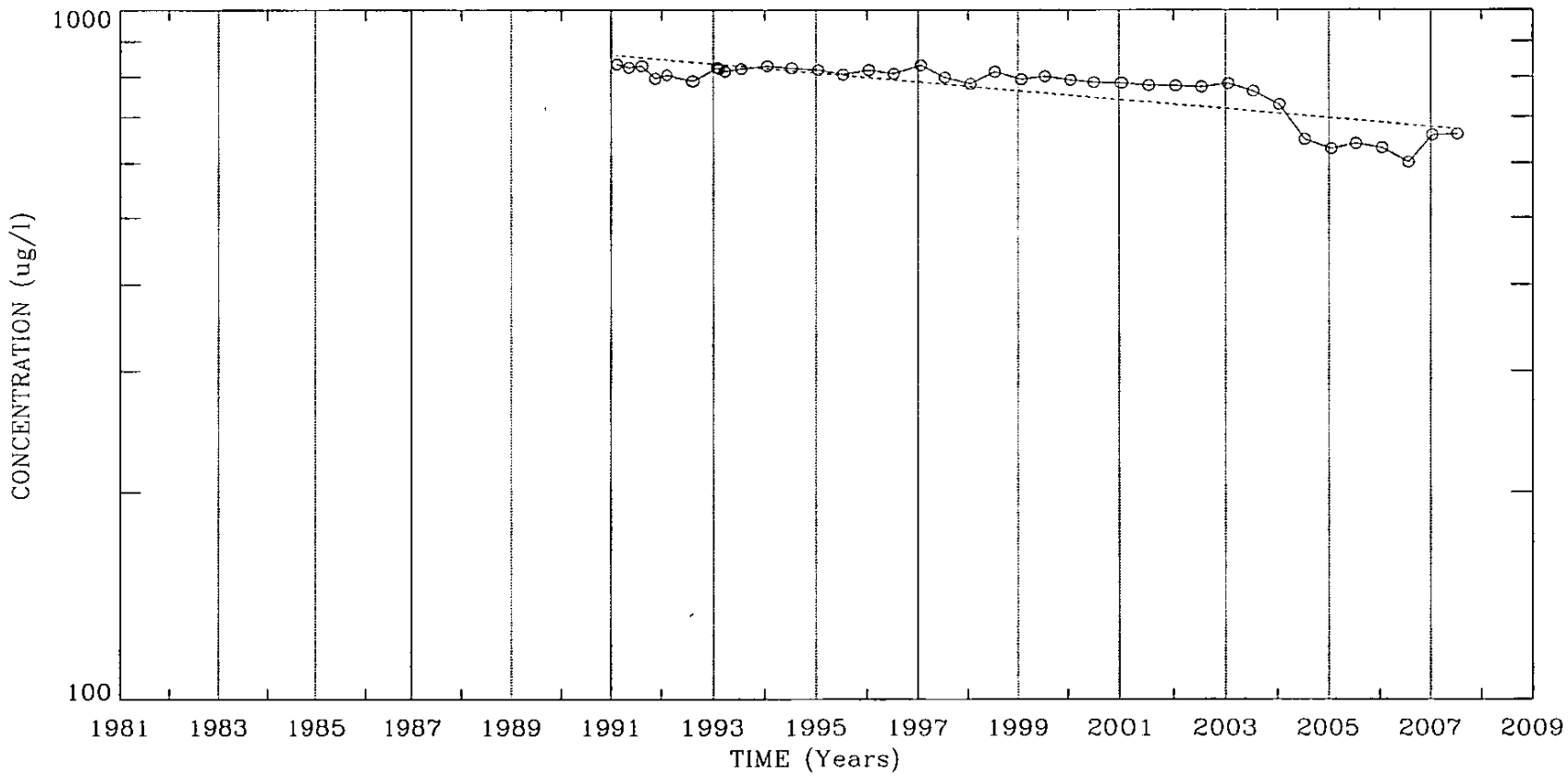

REGRESSION LINE EQUATION: $Y = 4.294E+003e^{-0.0165x}$

Well 39A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



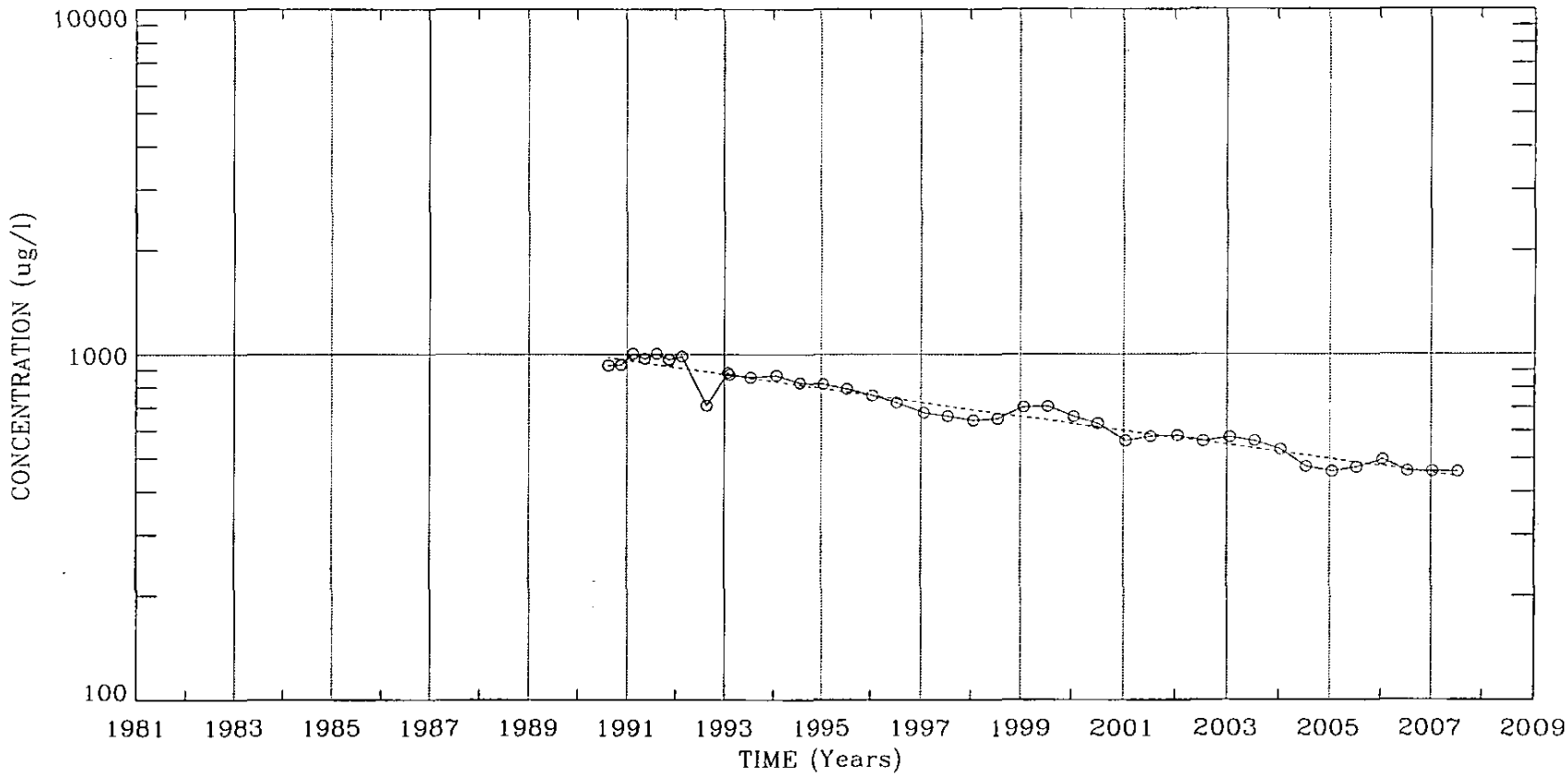

REGRESSION LINE EQUATION: $Y = 2.641E+003e^{-0.0143x}$

Well 39B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



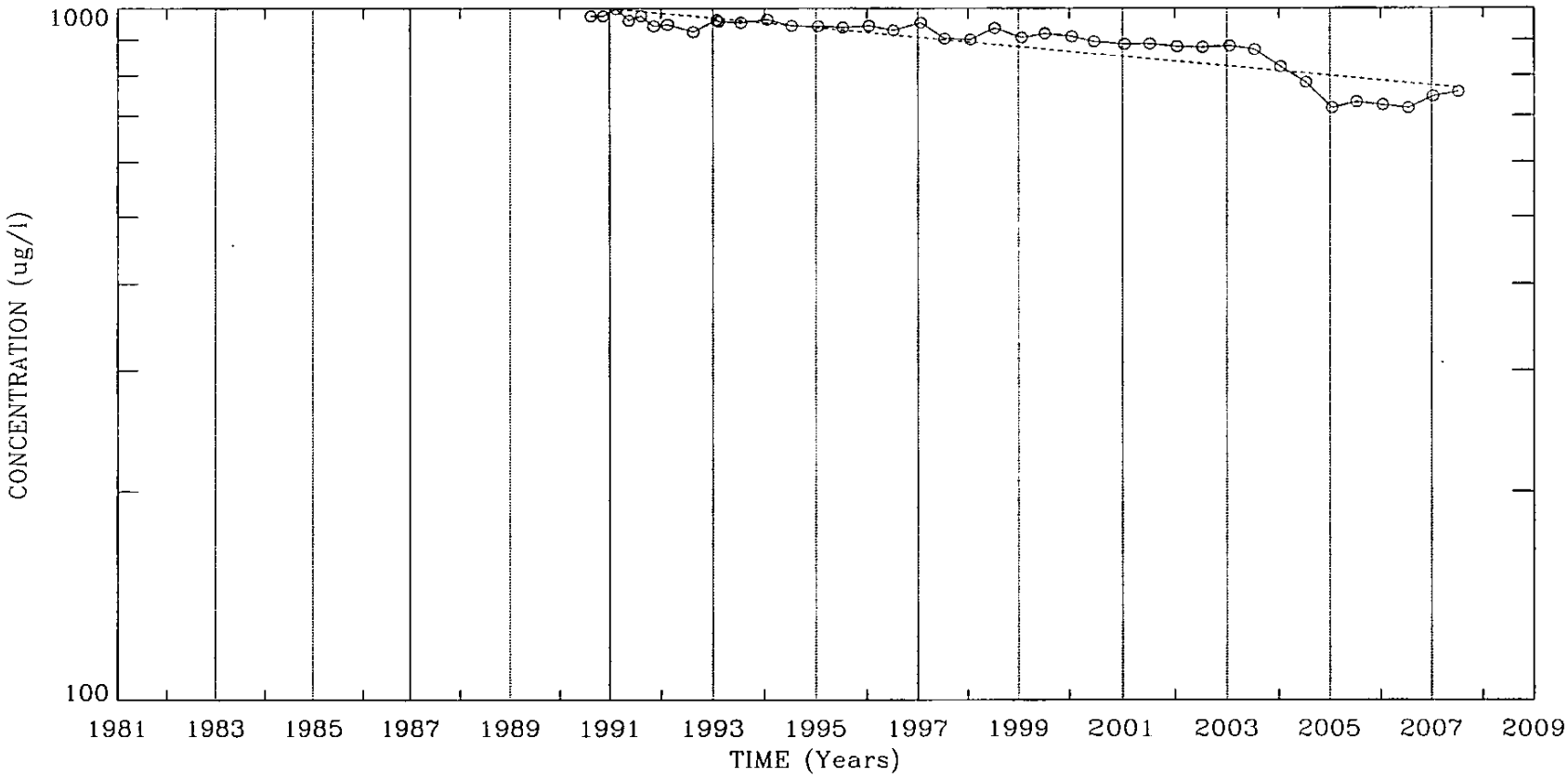

REGRESSION LINE EQUATION: $Y = 3.365E+003e^{-0.0150x}$

Well 40A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



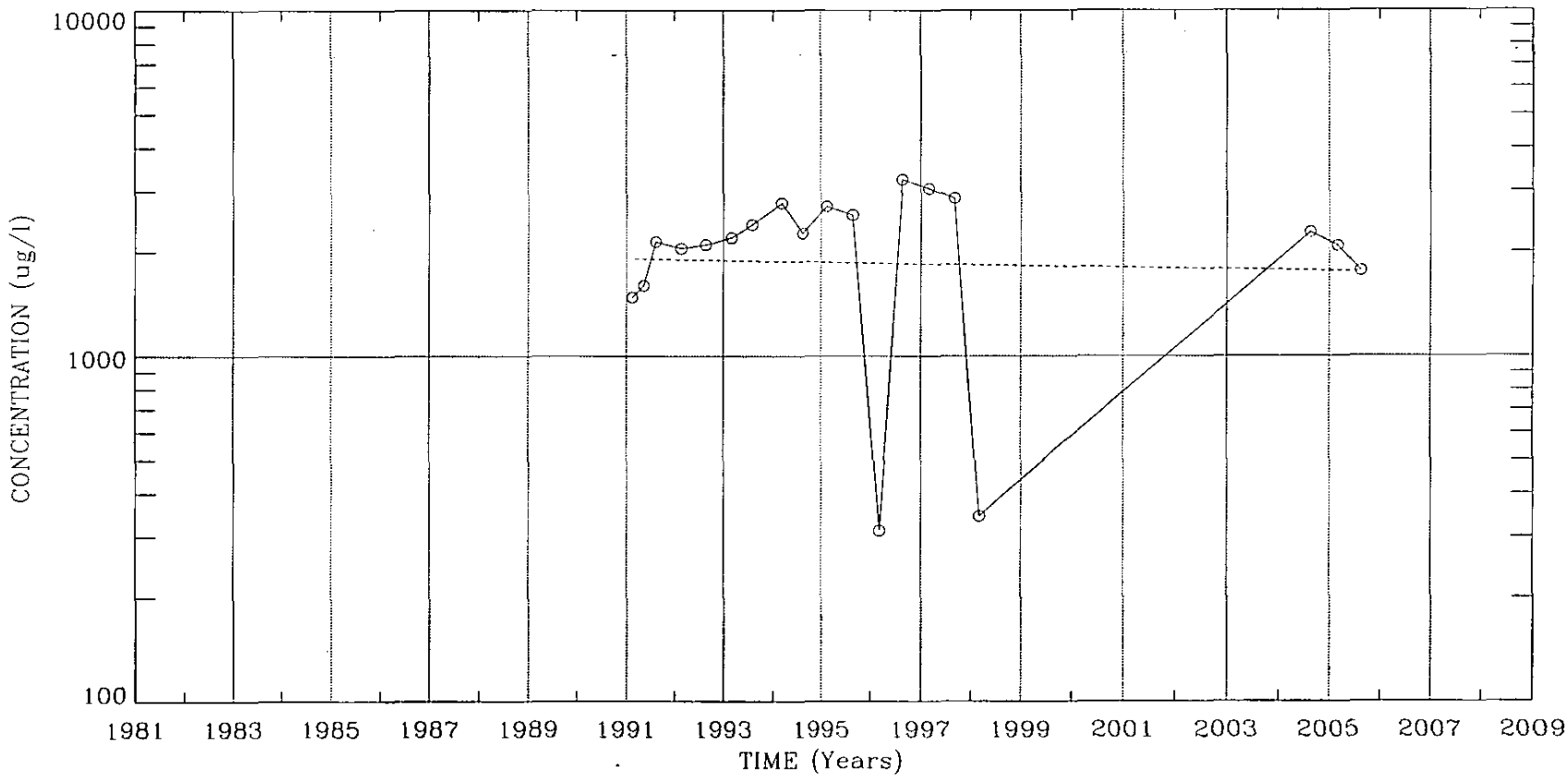

REGRESSION LINE EQUATION: $Y = 6.899E+004e^{-0.0470x}$

Well 40B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



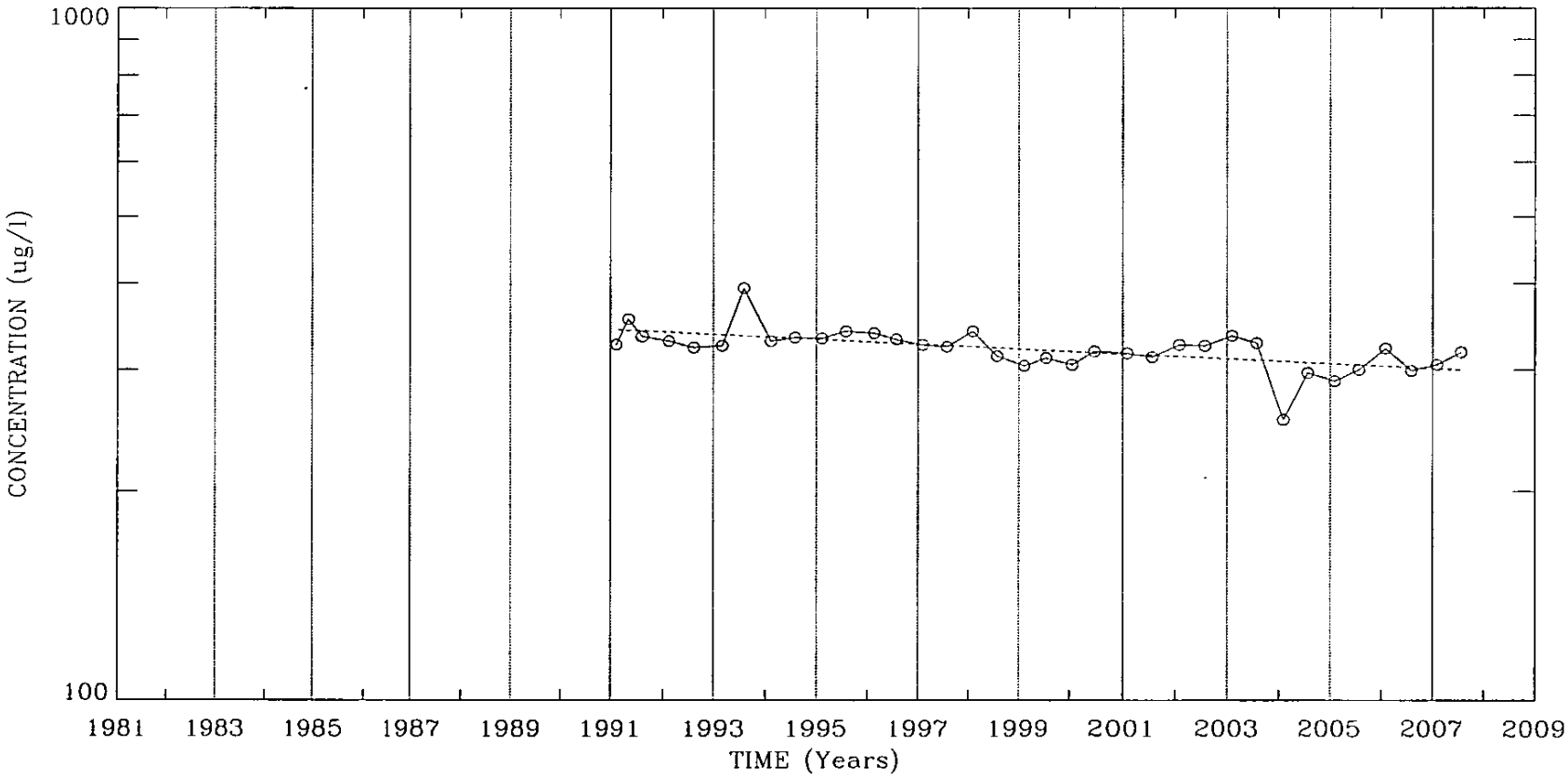

REGRESSION LINE EQUATION: $Y = 4.295E+003e^{-0.0160x}$

Well 41A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



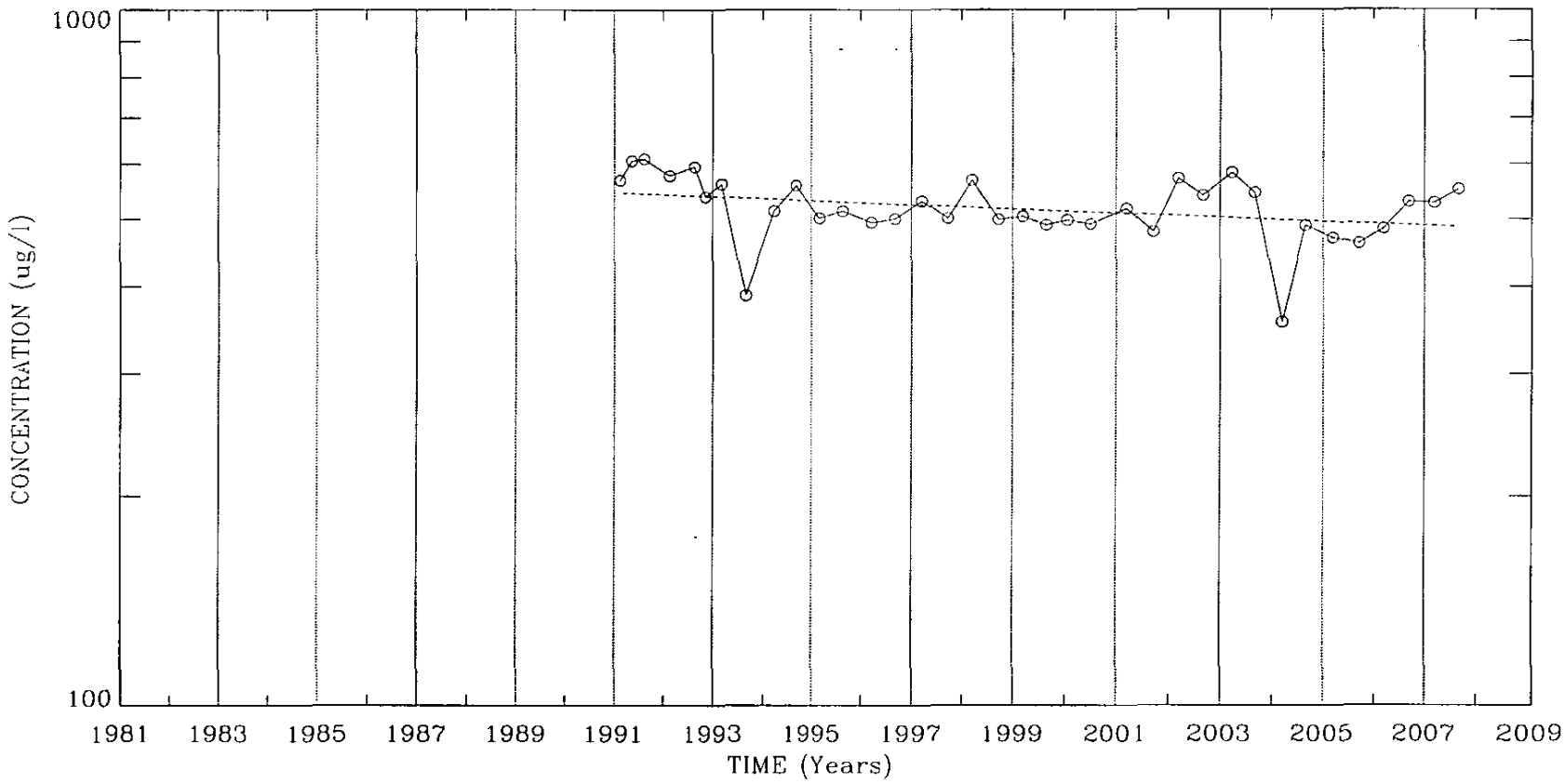

REGRESSION LINE EQUATION: $Y = 3.275E+003e^{-0.0059x}$

Well 42A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



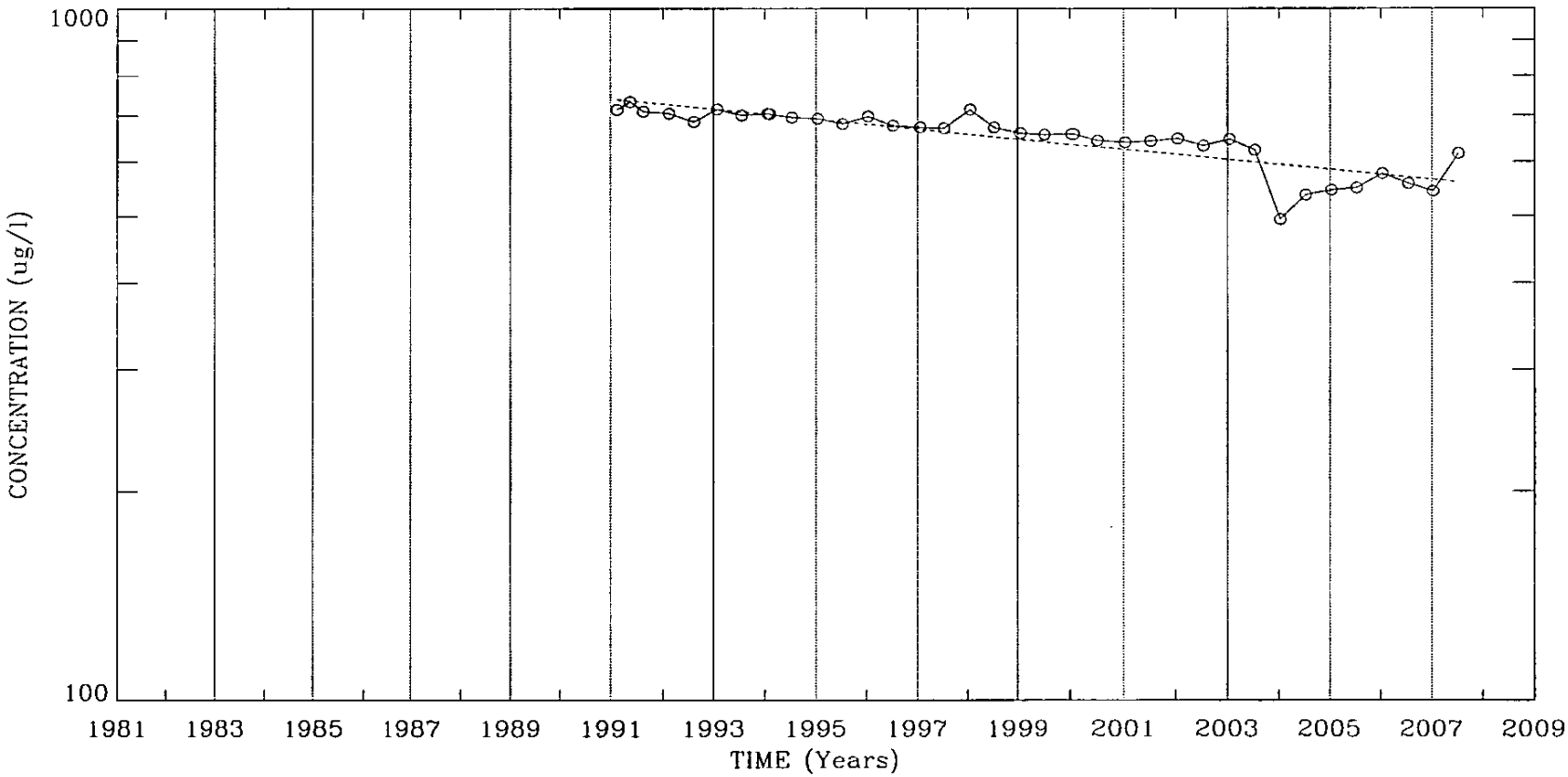

REGRESSION LINE EQUATION: $Y = 7.202E+002e^{-0.0081x}$

Well 42B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



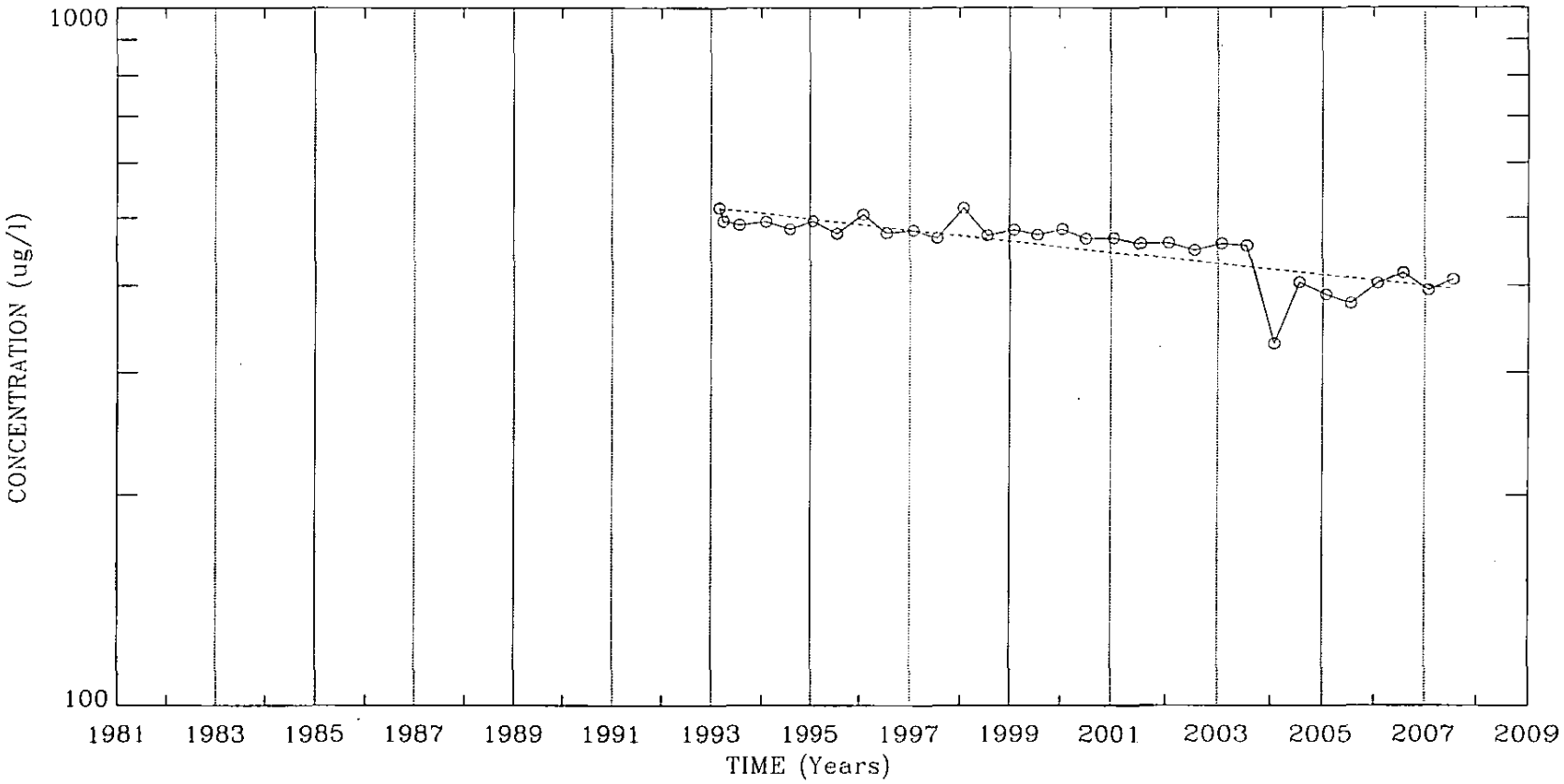

REGRESSION LINE EQUATION: $Y = 1.025E+003e^{-0.0069x}$

Well 43A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



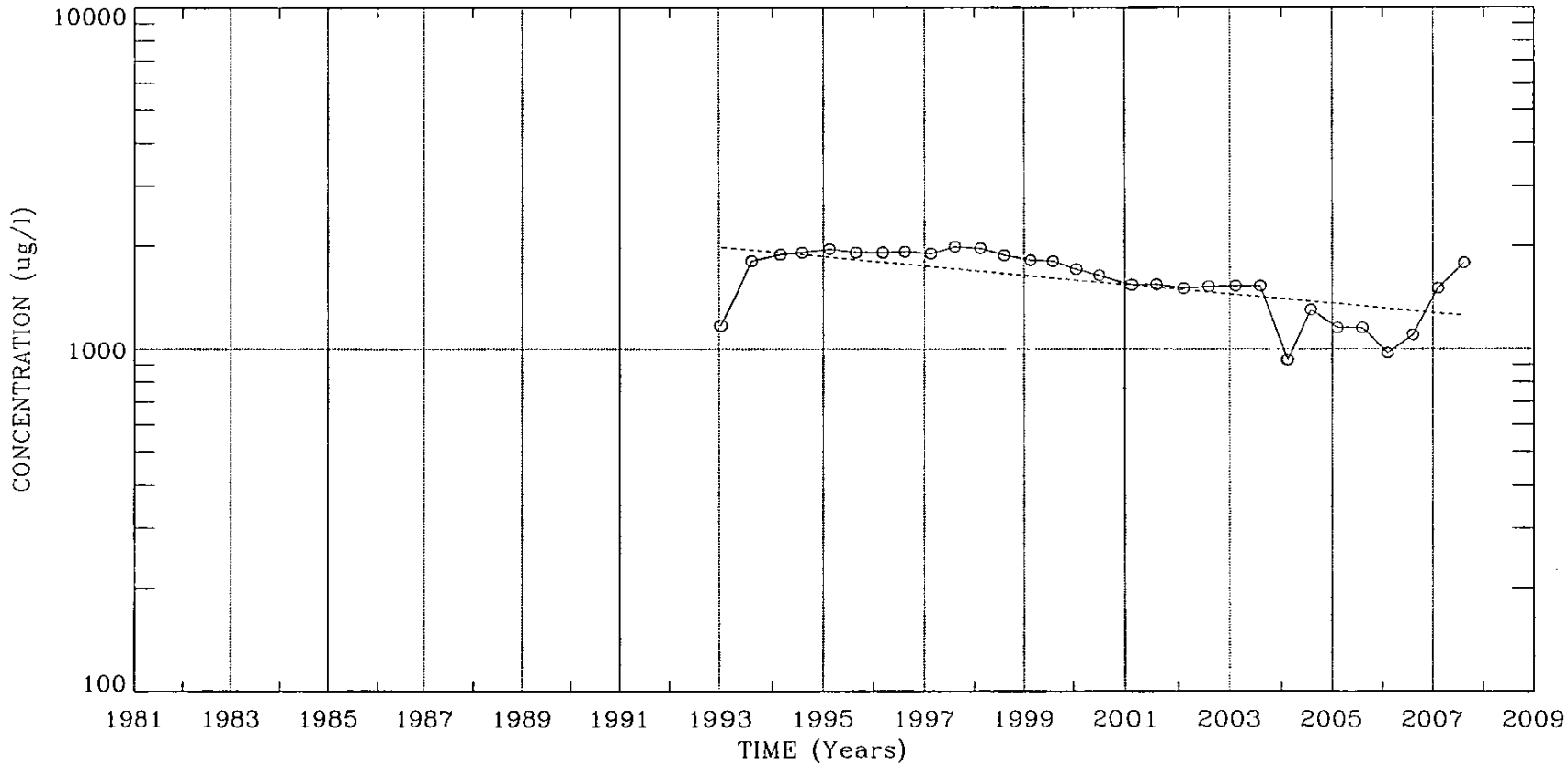

REGRESSION LINE EQUATION: $Y = 3.402E+003e^{-0.0168x}$

Well 46B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



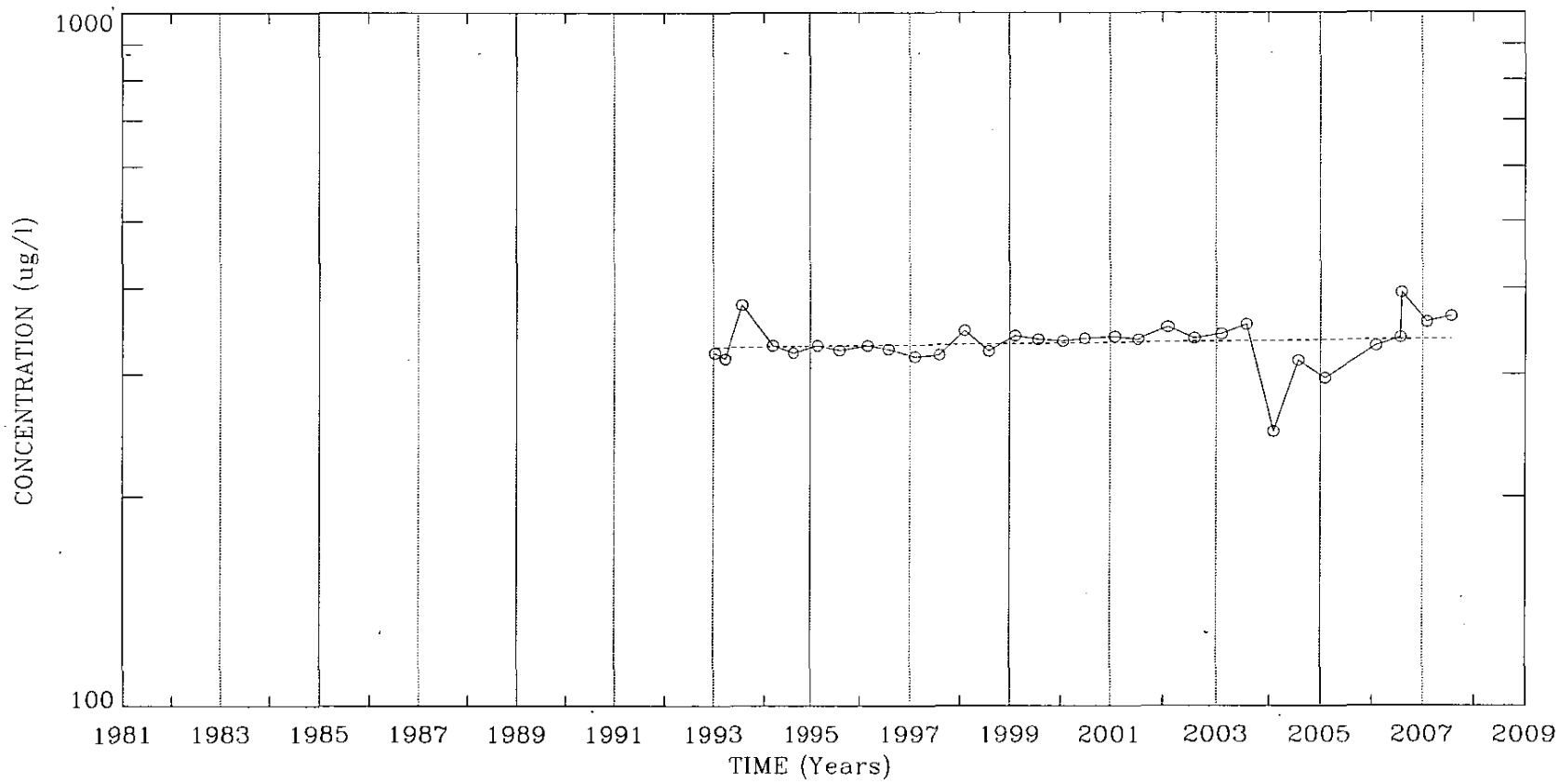

REGRESSION LINE EQUATION: $Y = 2.887E+003e^{-0.0185x}$

Well 47B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



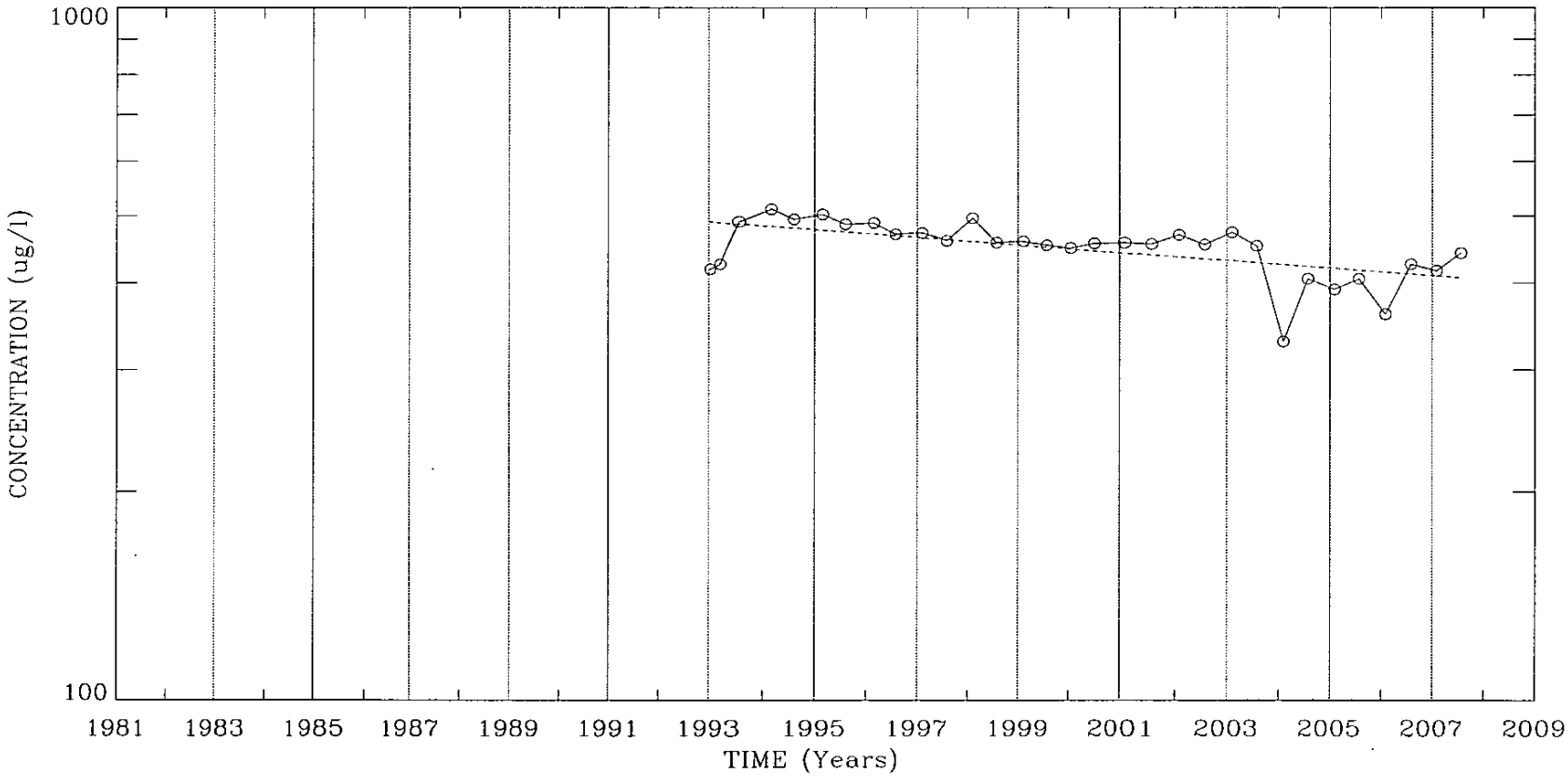

REGRESSION LINE EQUATION: $Y = 3.754E+004e^{-0.0316x}$

Well 48A UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



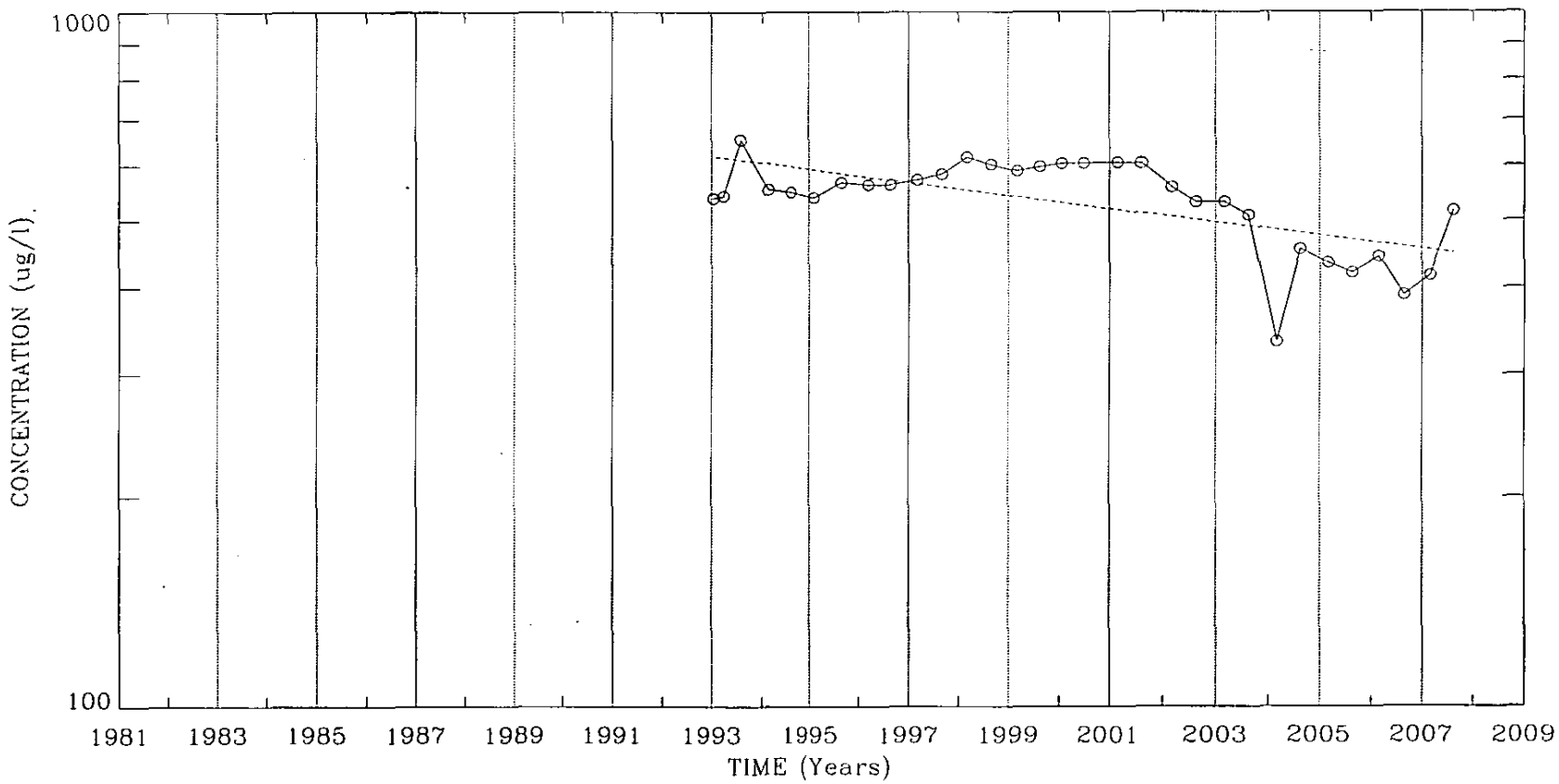

REGRESSION LINE EQUATION: $Y = 2.739E+002e^{0.0019x}$

Well 49B-2 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



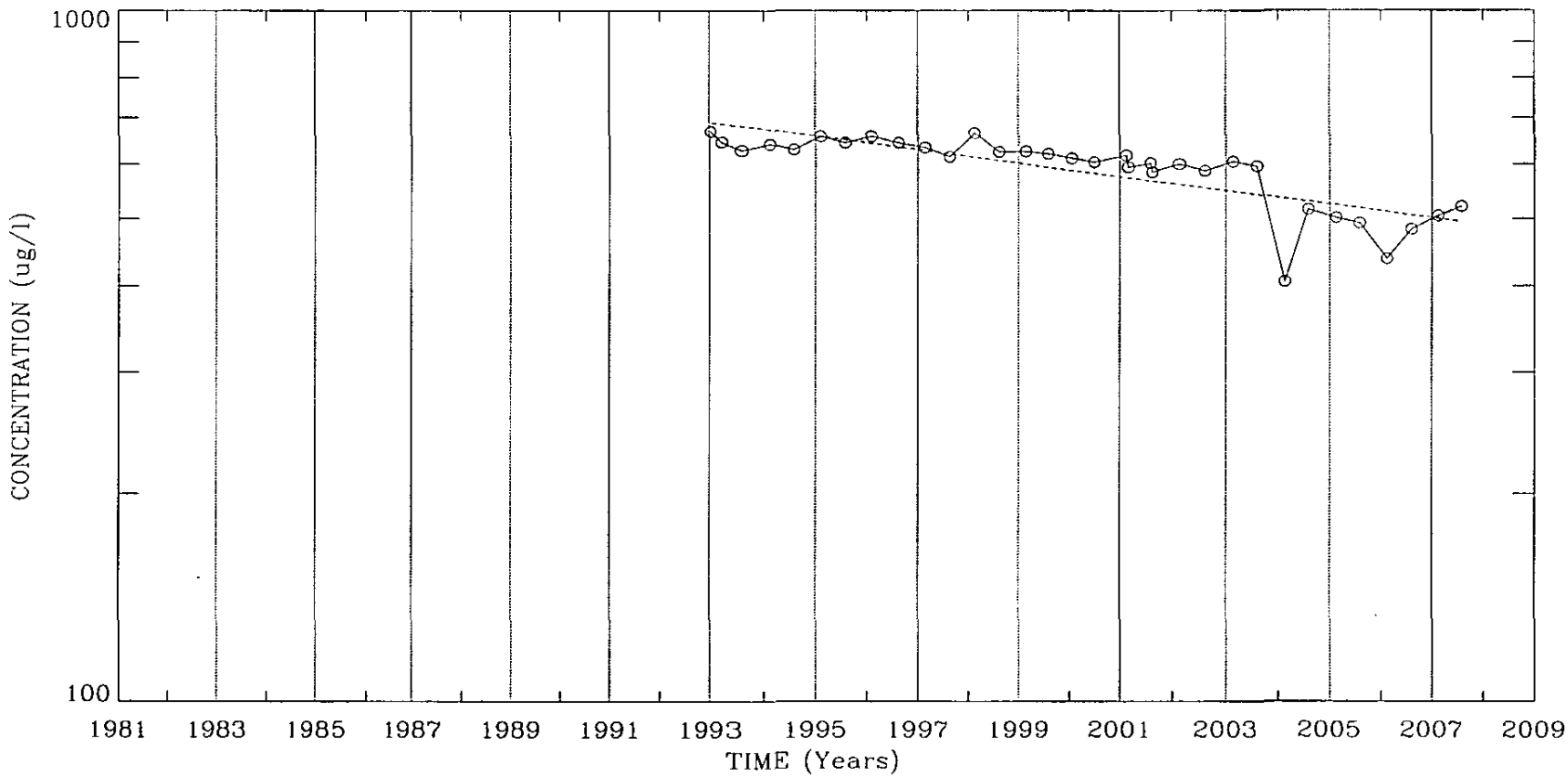

REGRESSION LINE EQUATION: $Y = 1.615E+003e^{-0.0128x}$

Well 50B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



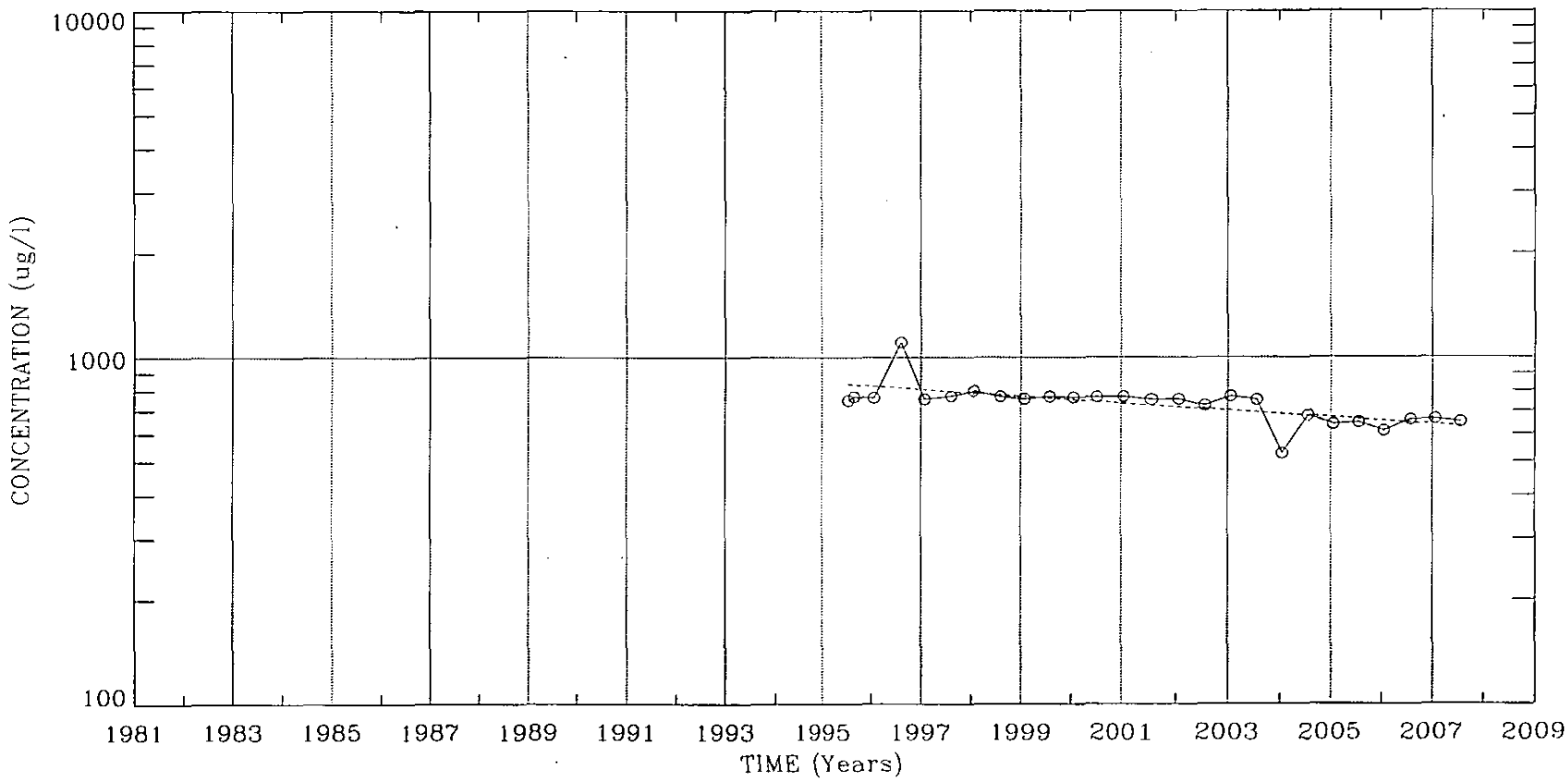

REGRESSION LINE EQUATION: $Y = 4.803E+003e^{-0.0220x}$

Well 51B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



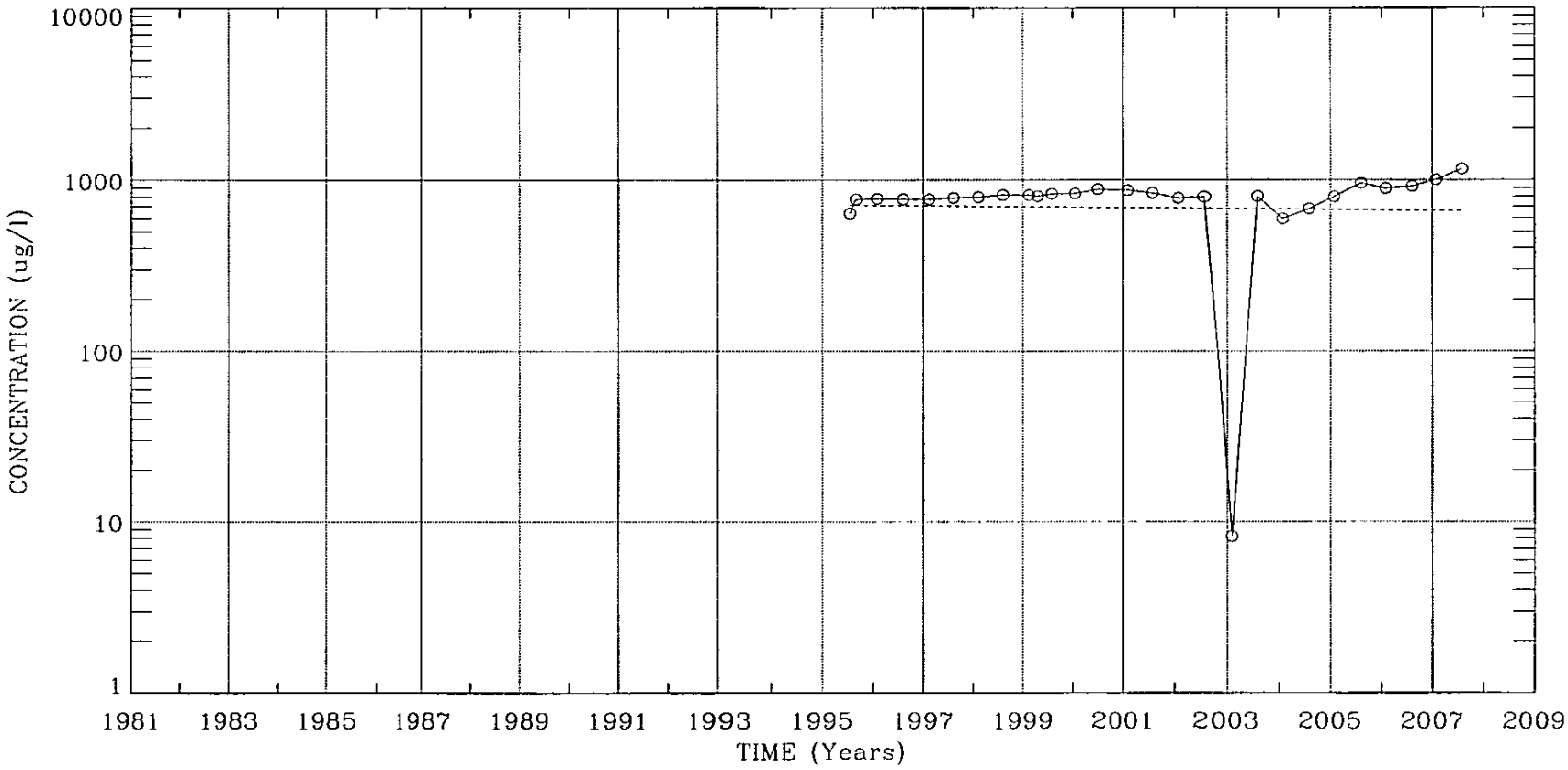

REGRESSION LINE EQUATION: $Y = 5.699E+003e^{-0.0227x}$

Well 52C UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



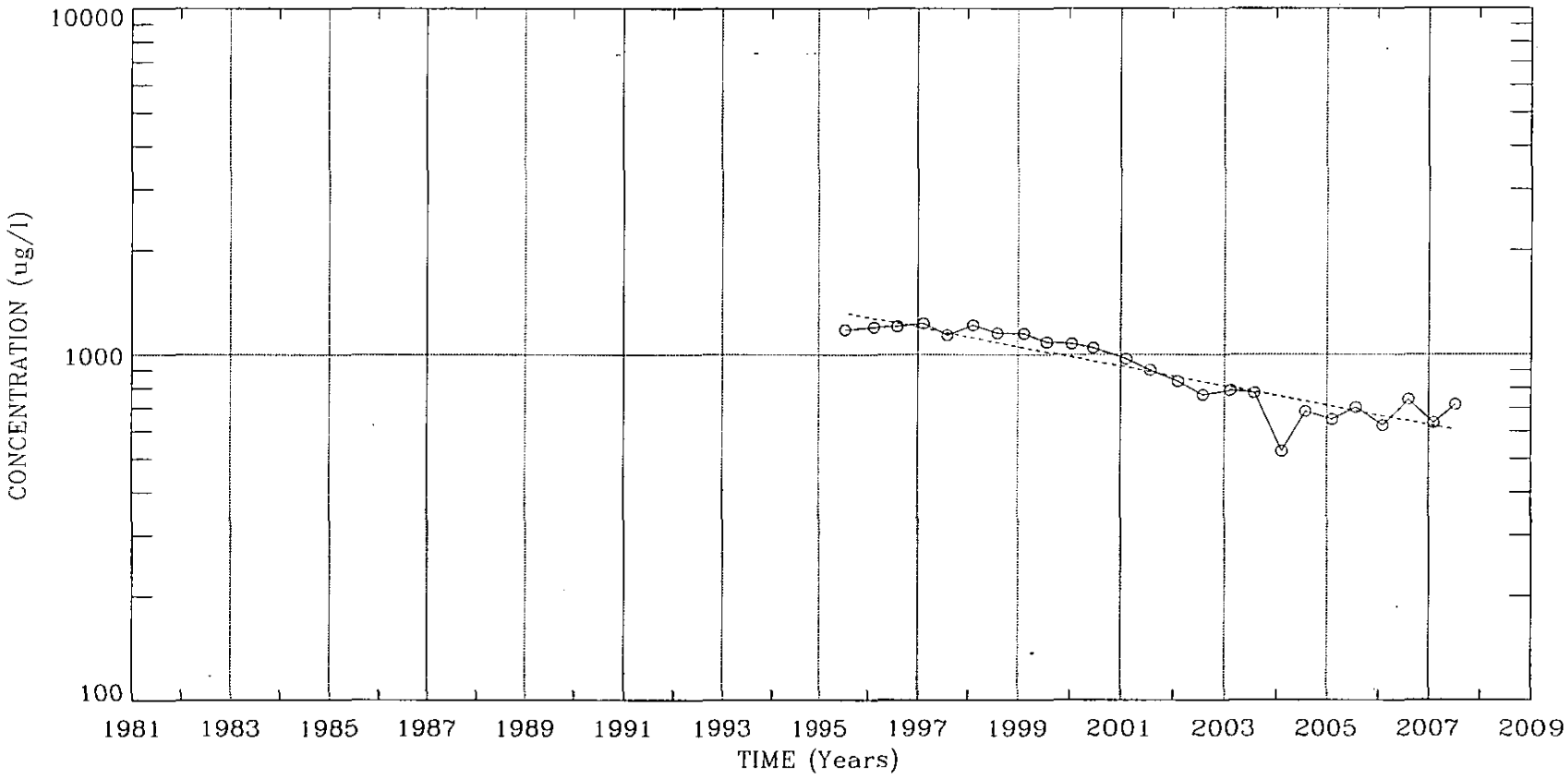

REGRESSION LINE EQUATION: $Y = 7.719E+003e^{-0.0233x}$

Well 53C UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



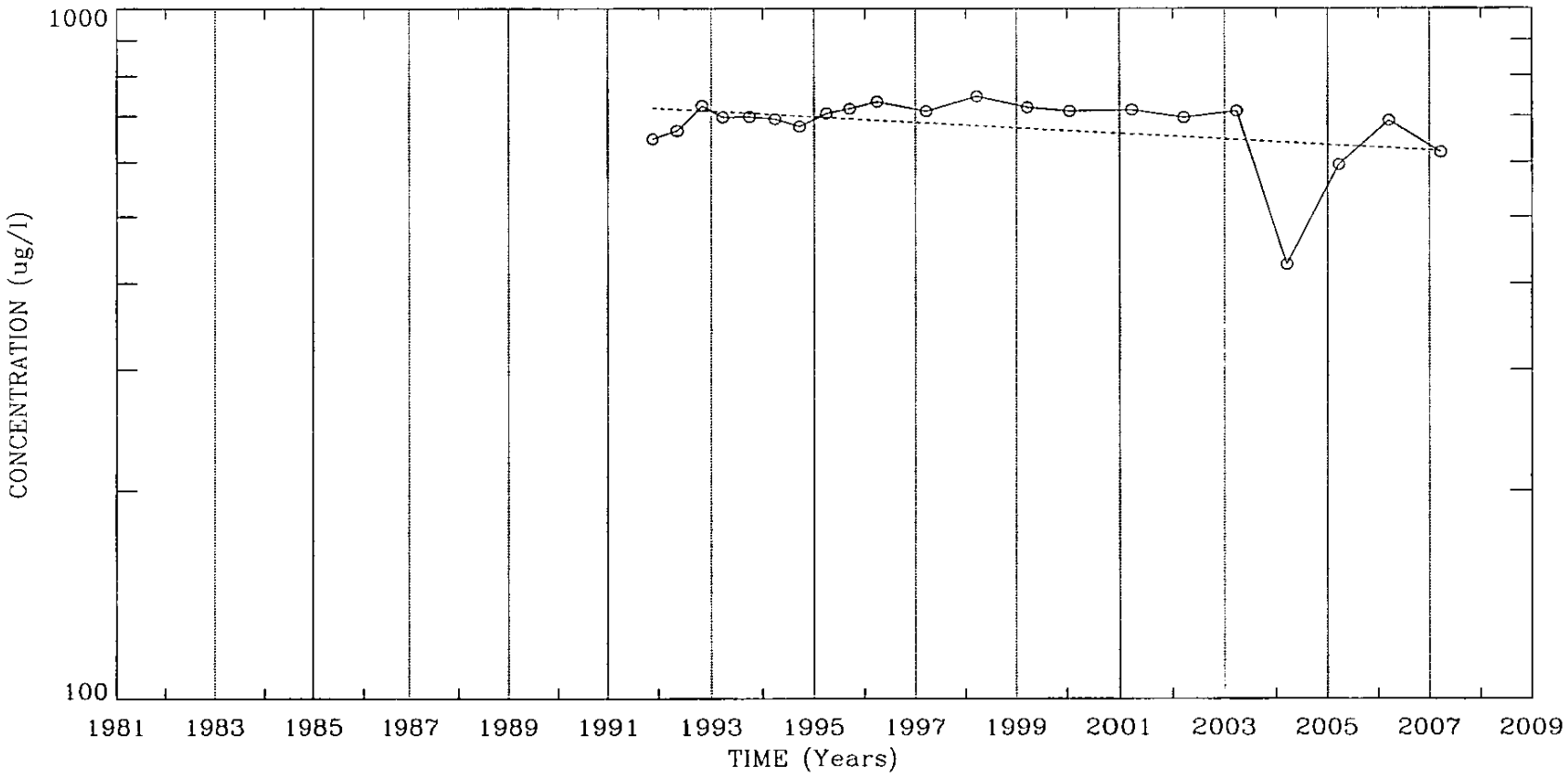

REGRESSION LINE EQUATION: $Y = 1.288E+003e^{-0.0062x}$

Well 54B-1 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



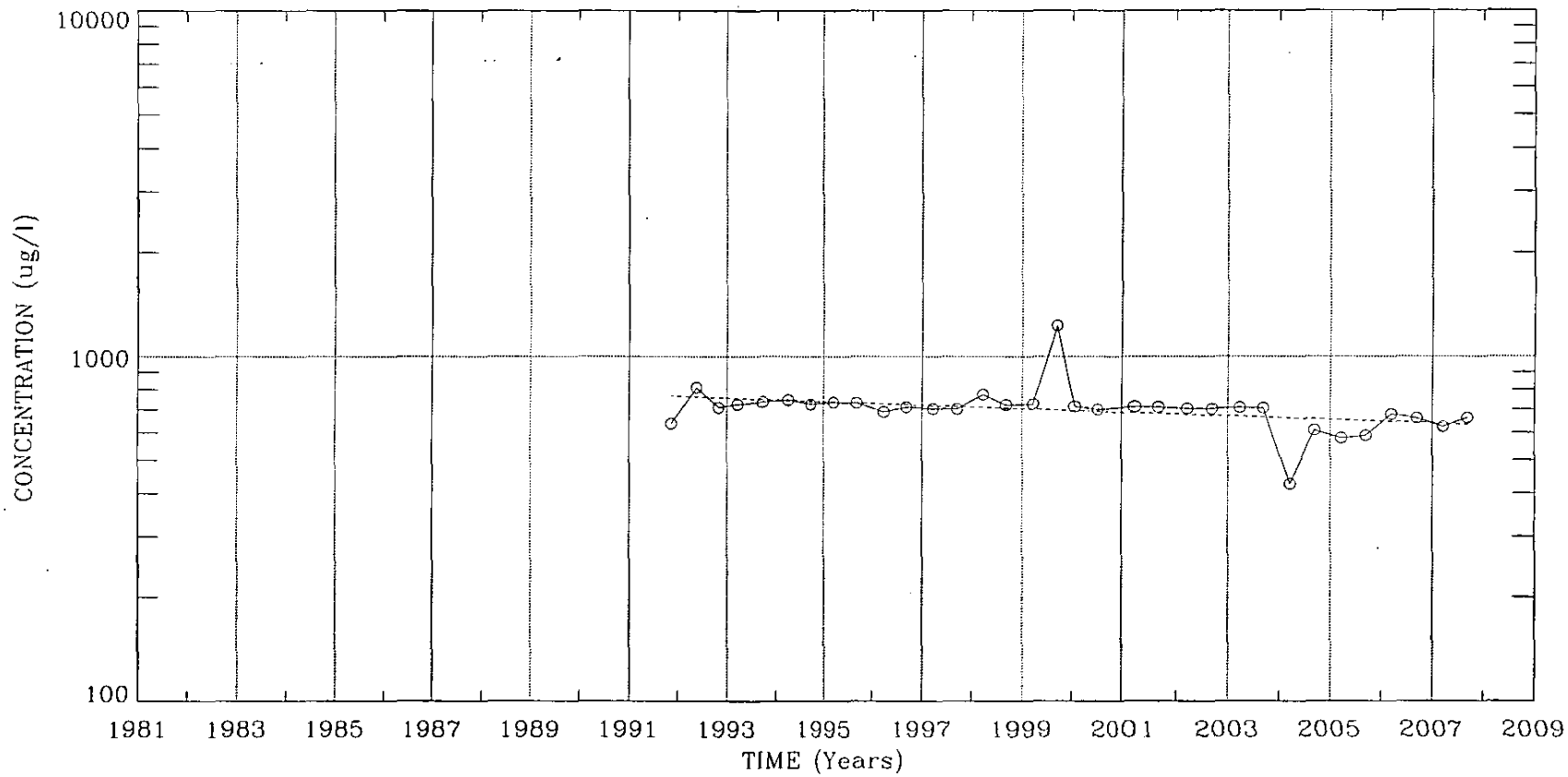

REGRESSION LINE EQUATION: $Y = 6.639E+005e^{-0.0651x}$

Well A-DM-01 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



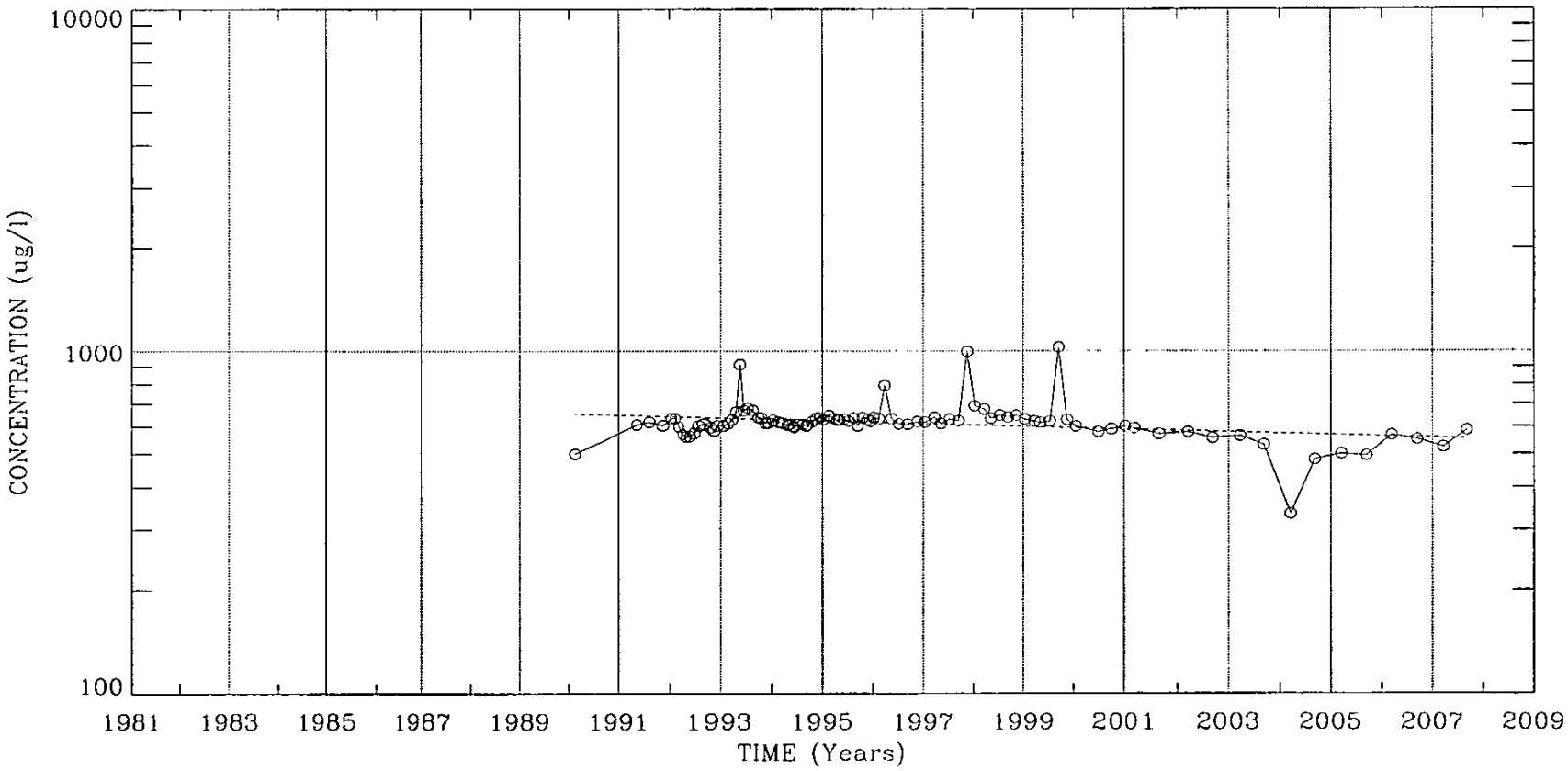

REGRESSION LINE EQUATION: $Y = 1.698E+003e^{-0.0094x}$

Well A-DM-02 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



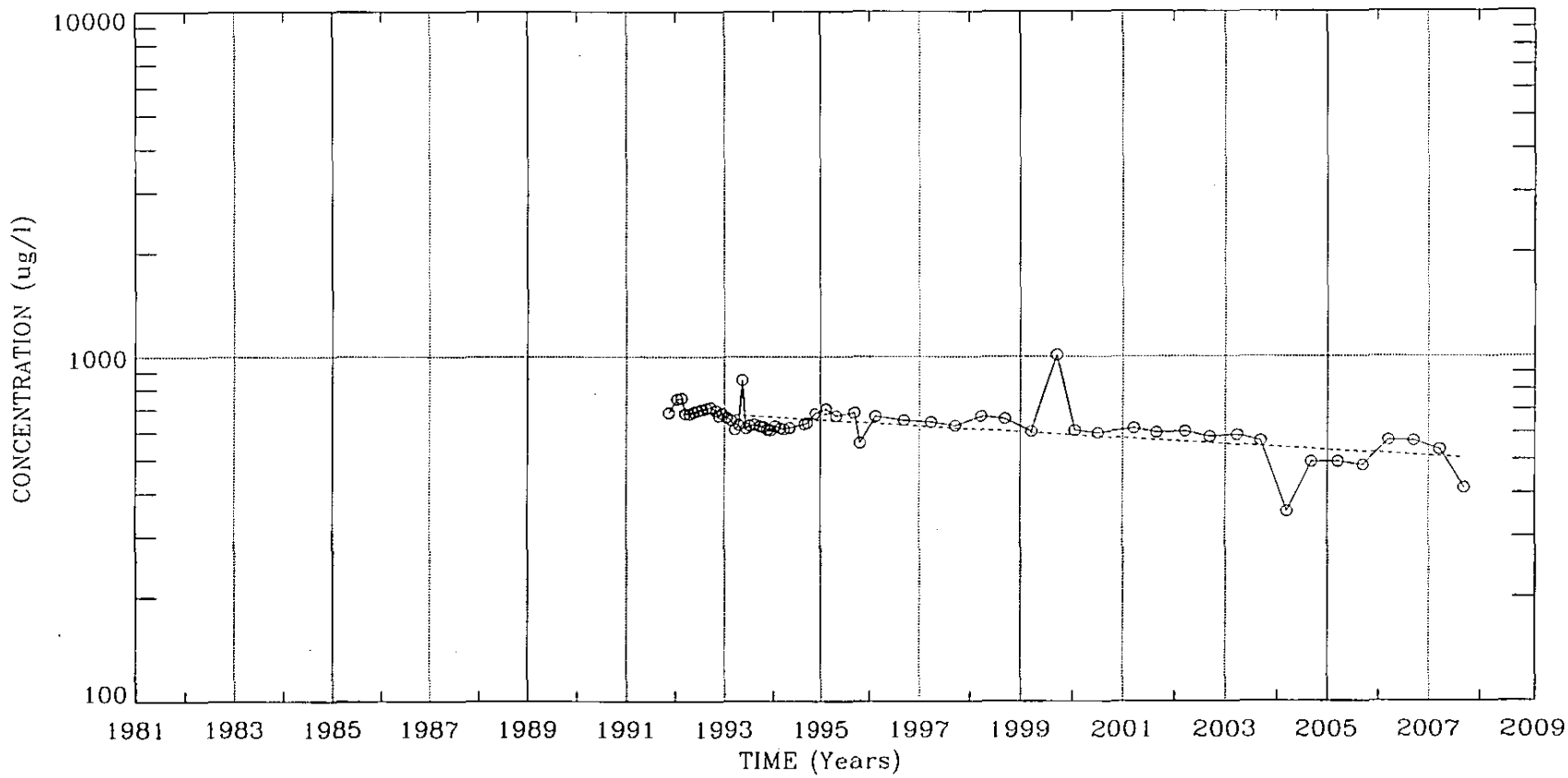

REGRESSION LINE EQUATION: $Y = 2.318E+003e^{-0.0120x}$

Well A-DM-04 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



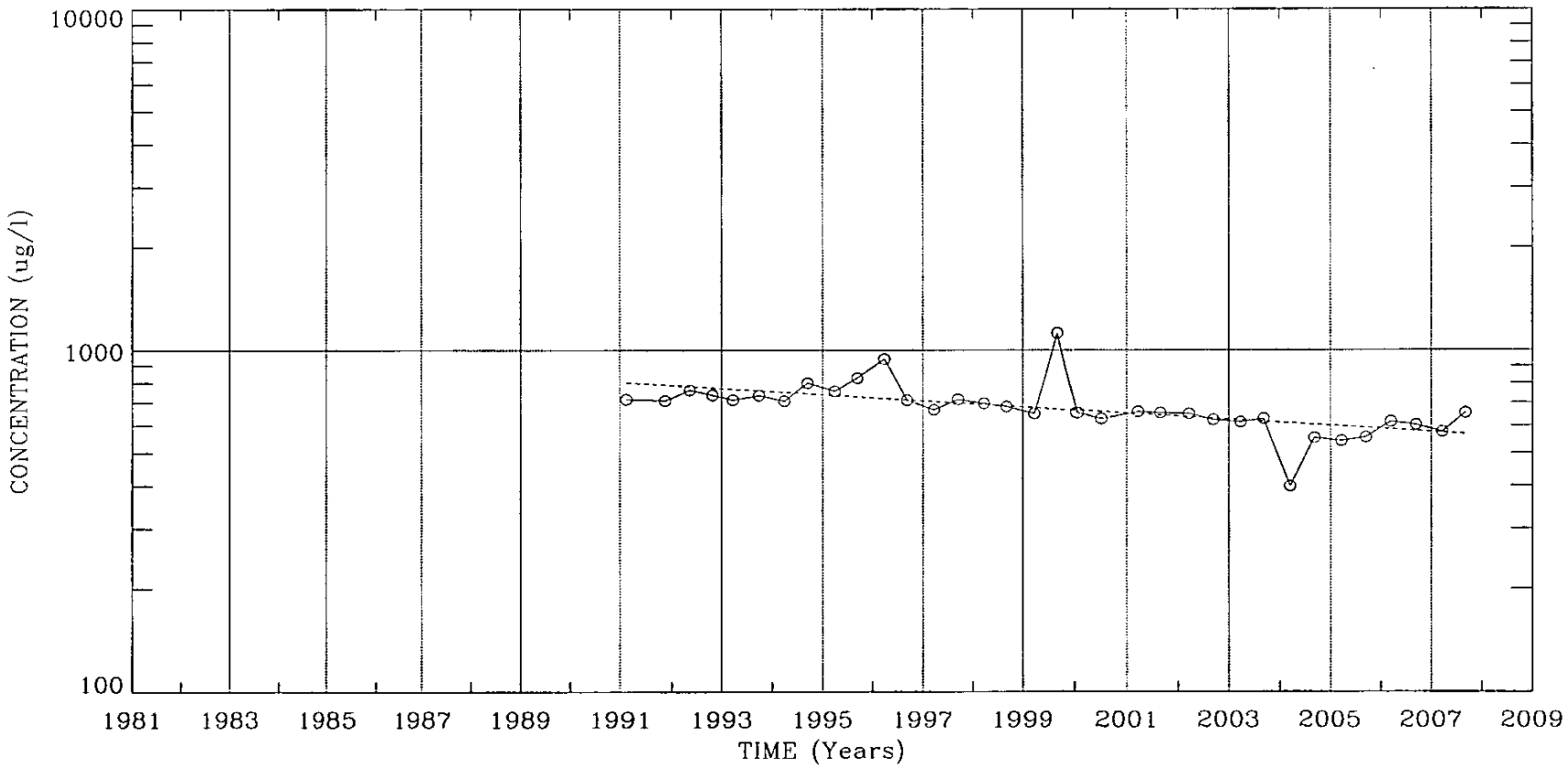

REGRESSION LINE EQUATION: $Y = 1.519E+003e^{-0.0093x}$

Well A-DM-05 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



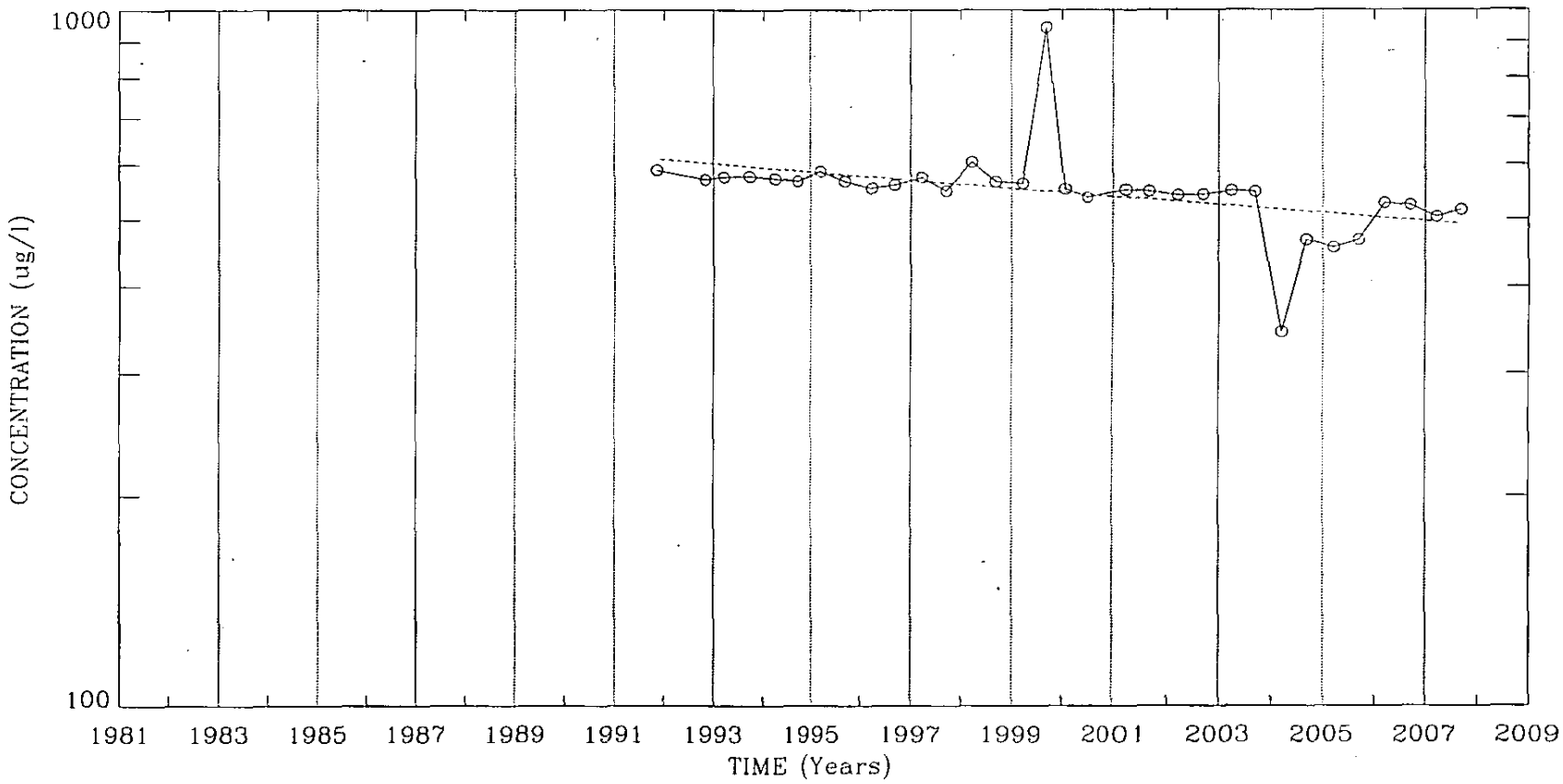

REGRESSION LINE EQUATION: $Y = 4.496E+003e^{-0.0203x}$

Well A-DM-06 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



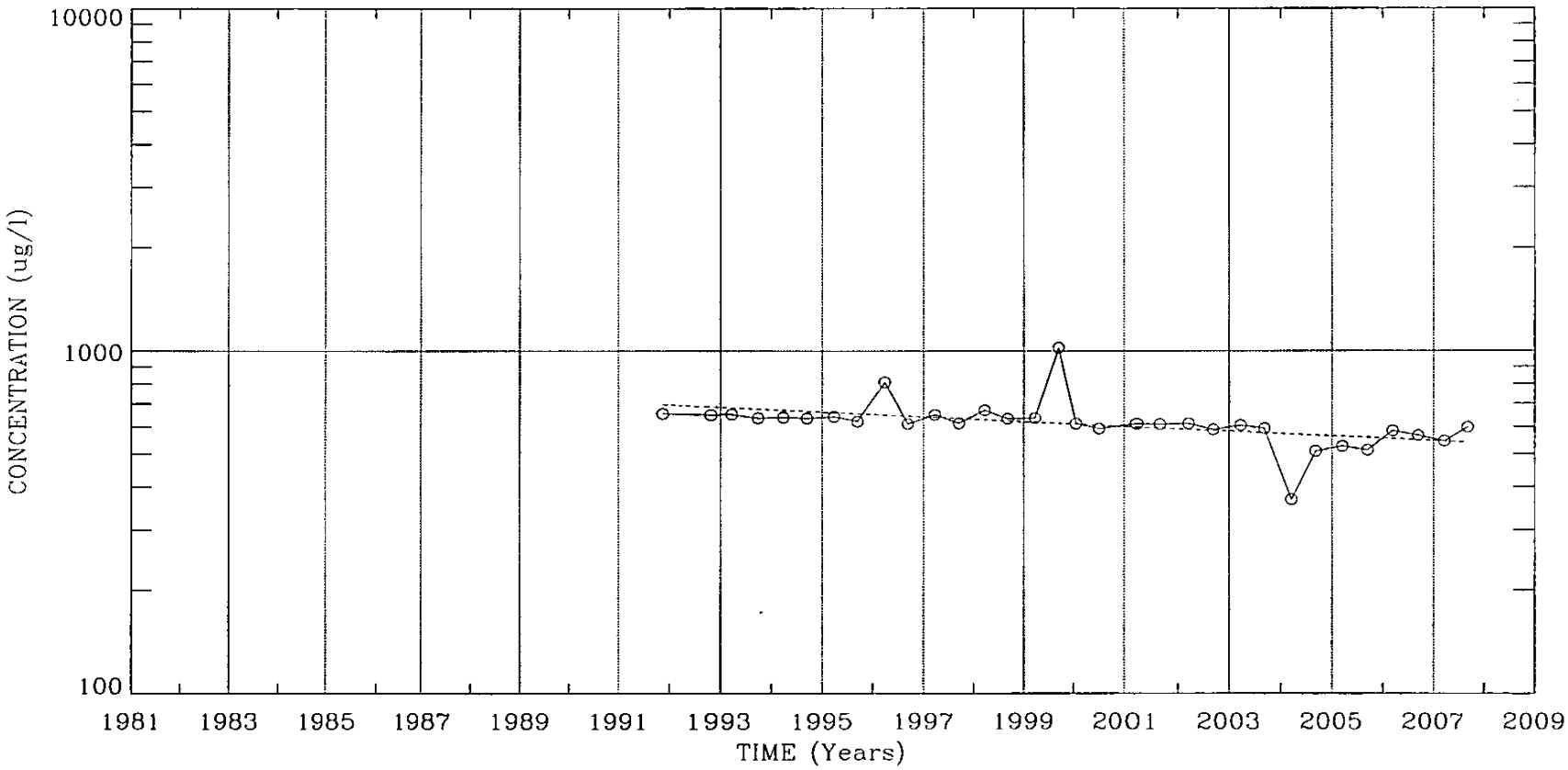

REGRESSION LINE EQUATION: $Y = 5.362E+003e^{-0.0208x}$

Well A-LM-01 UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



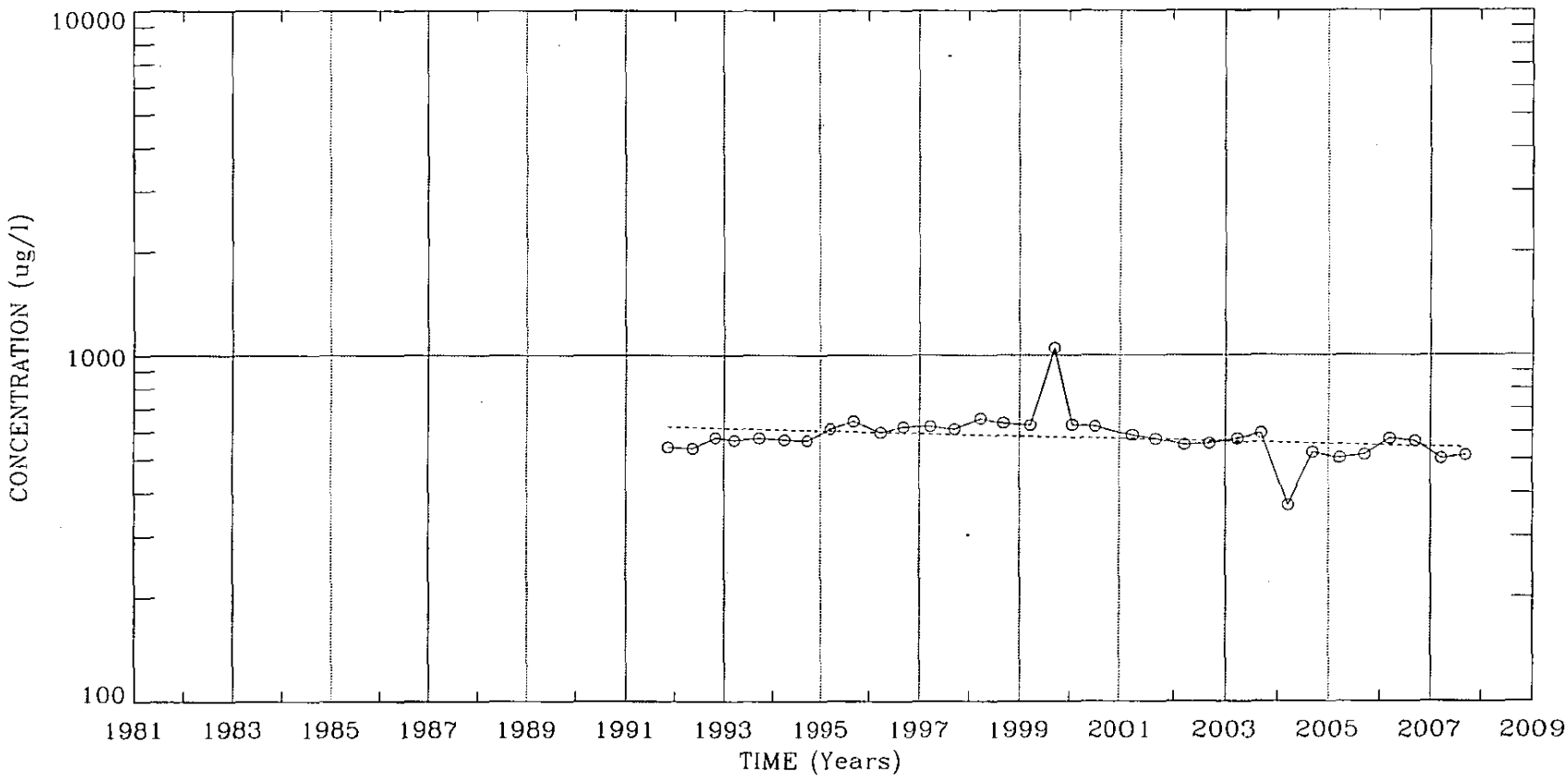

REGRESSION LINE EQUATION: $Y = 2.154E+003e^{-0.0137x}$

Well A-LM-02 UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



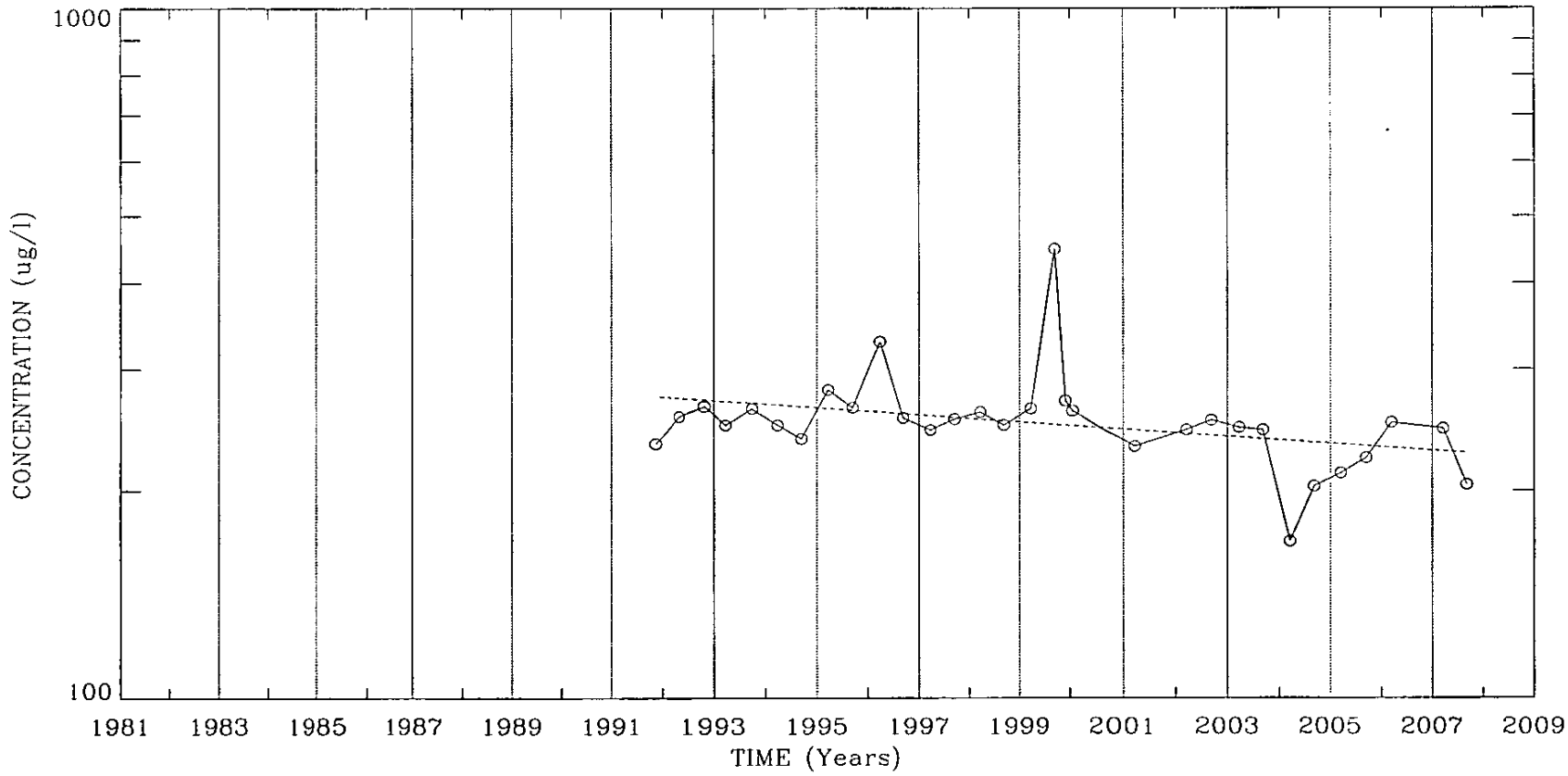

REGRESSION LINE EQUATION: $Y = 3.019E+003e^{-0.0160x}$

Well A-SM-01 UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



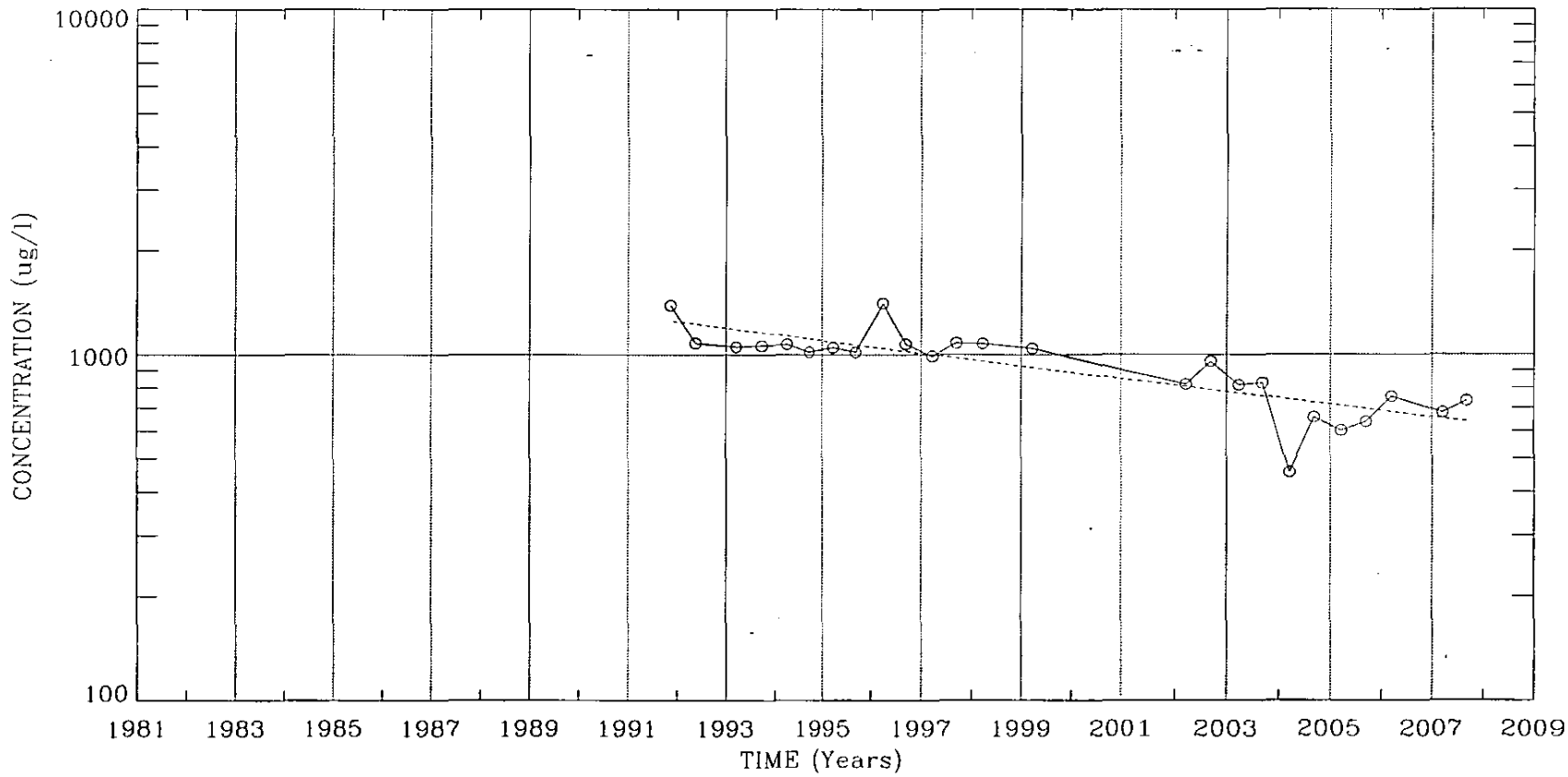

REGRESSION LINE EQUATION: $Y = 1.403E+003e^{-0.0089x}$

Well A-SM-07 UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



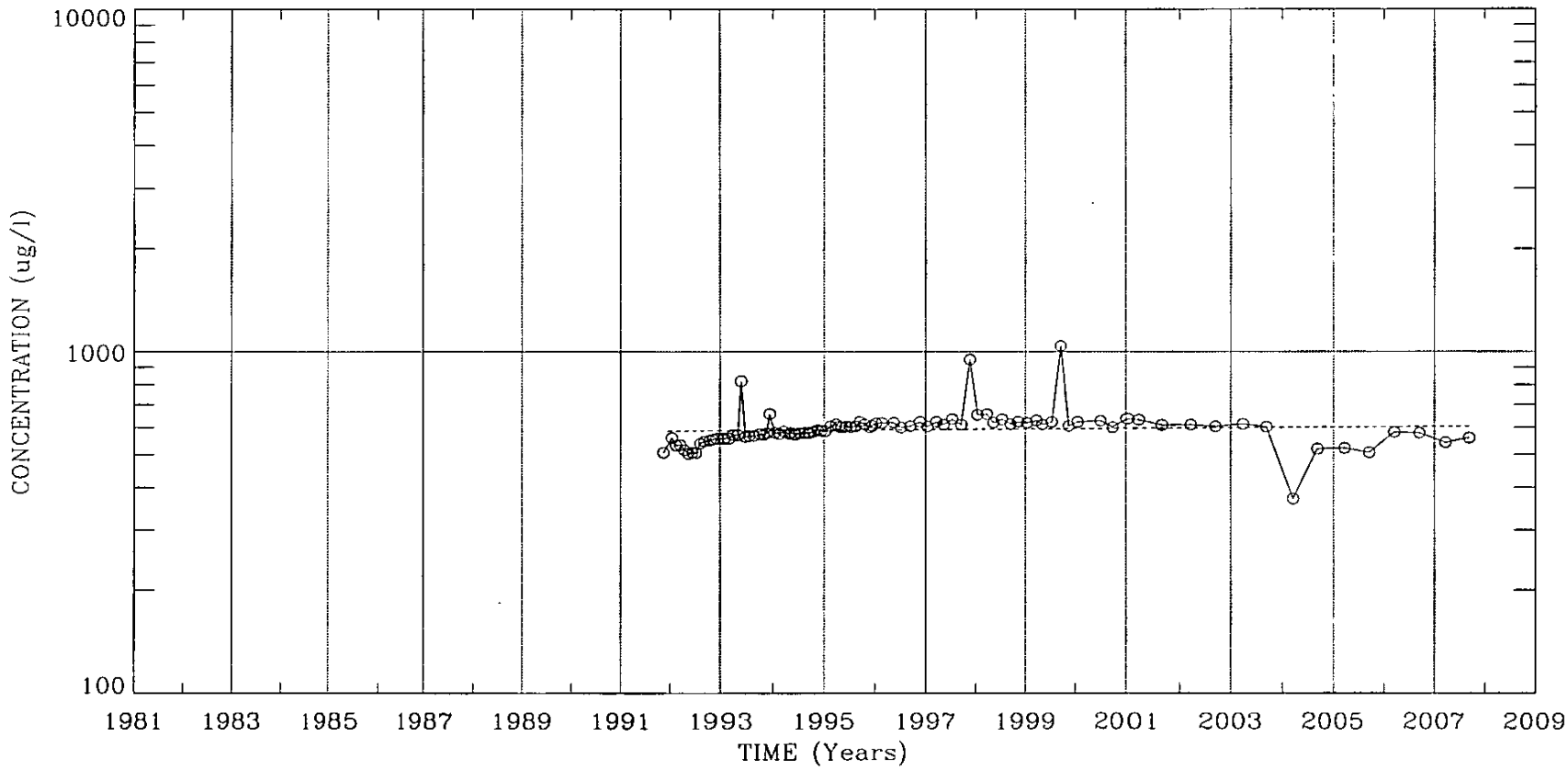

REGRESSION LINE EQUATION: $Y = 8.244E+002e^{-0.0120x}$

Well A-SM-08 UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



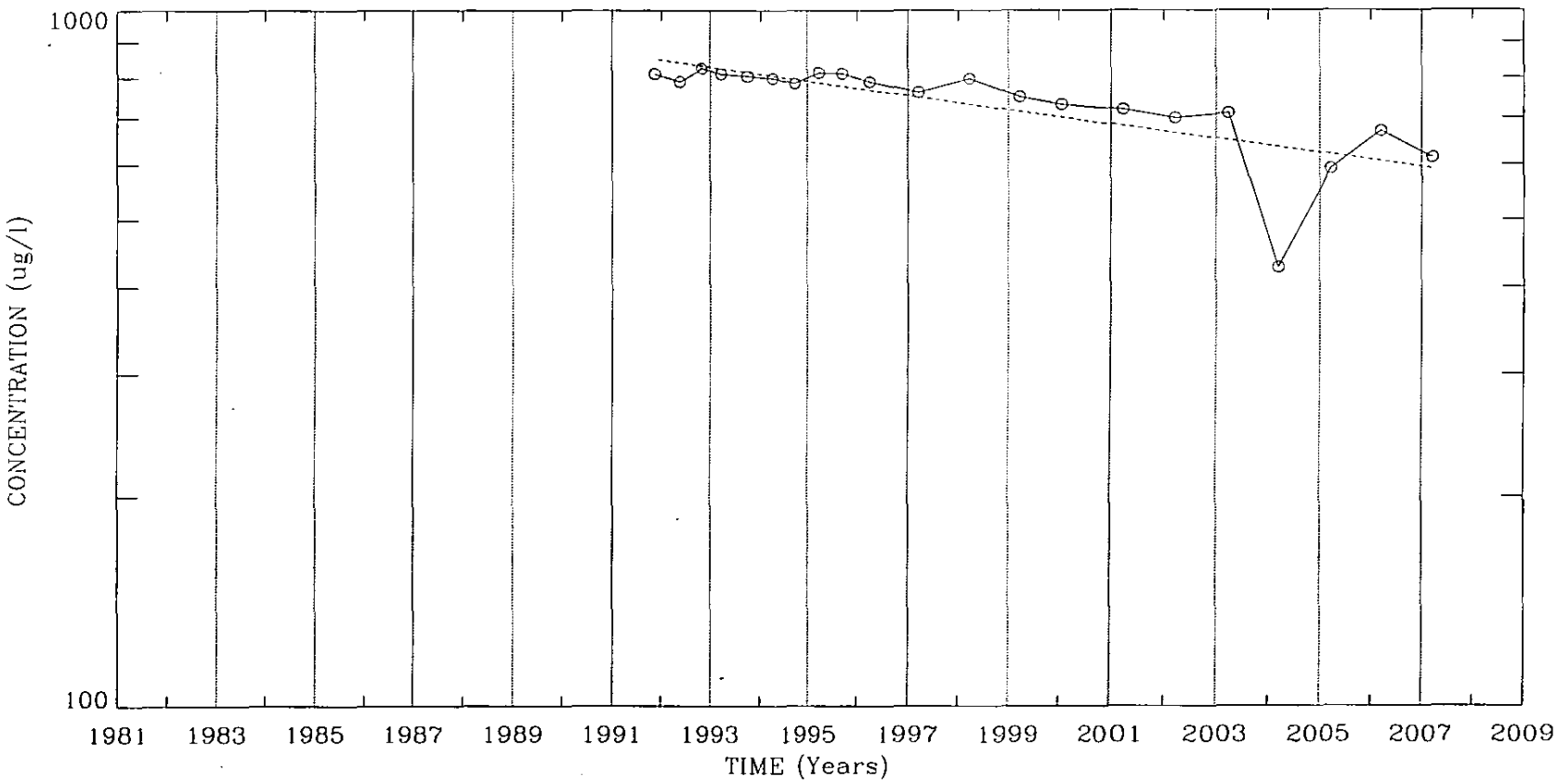

REGRESSION LINE EQUATION: $Y = 6.256E+004e^{-0.0426x}$

Well A-SM-09 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



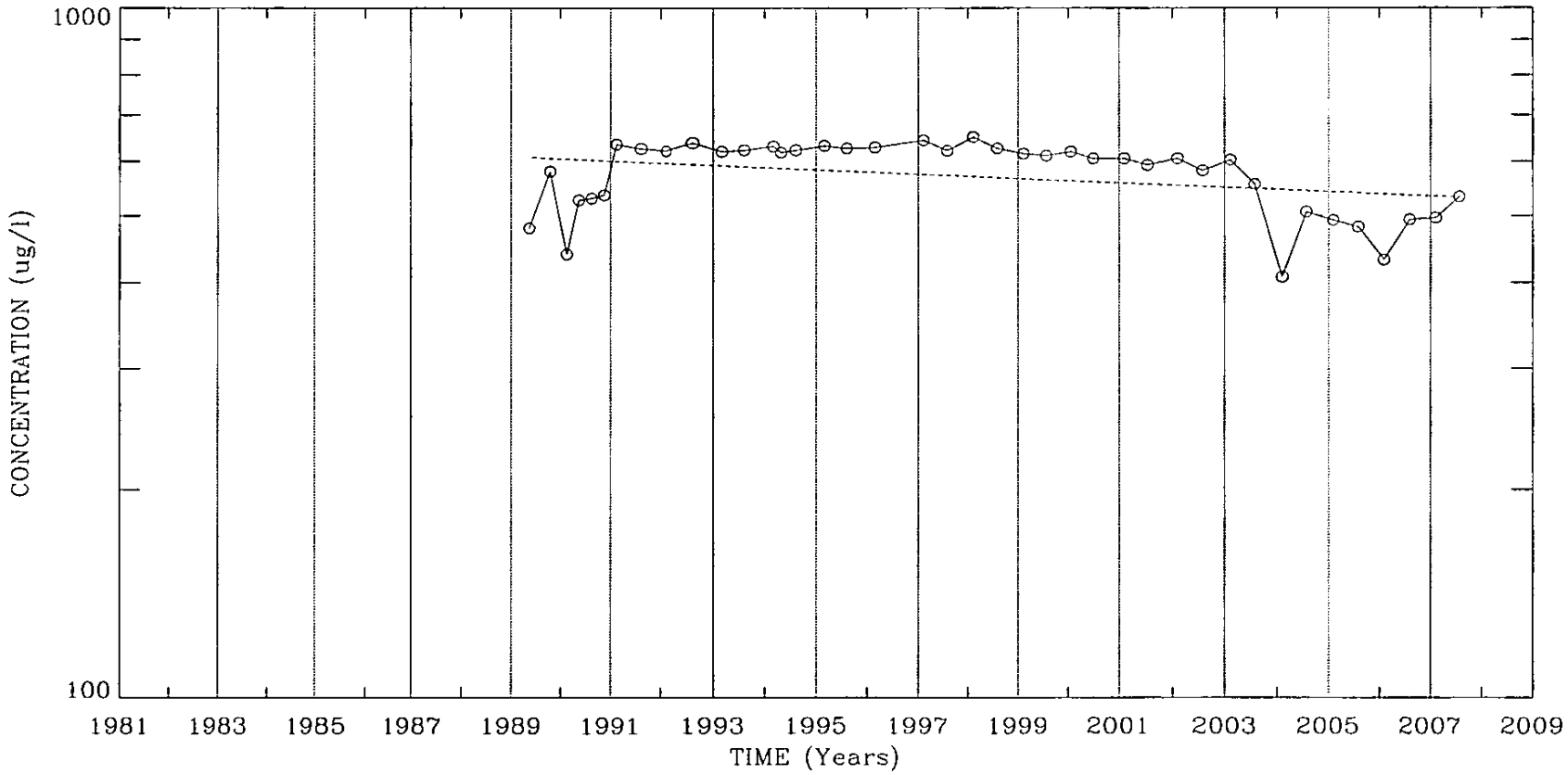

REGRESSION LINE EQUATION: $Y = 4.854E+002e^{0.0020x}$

Well A-SM-10 UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



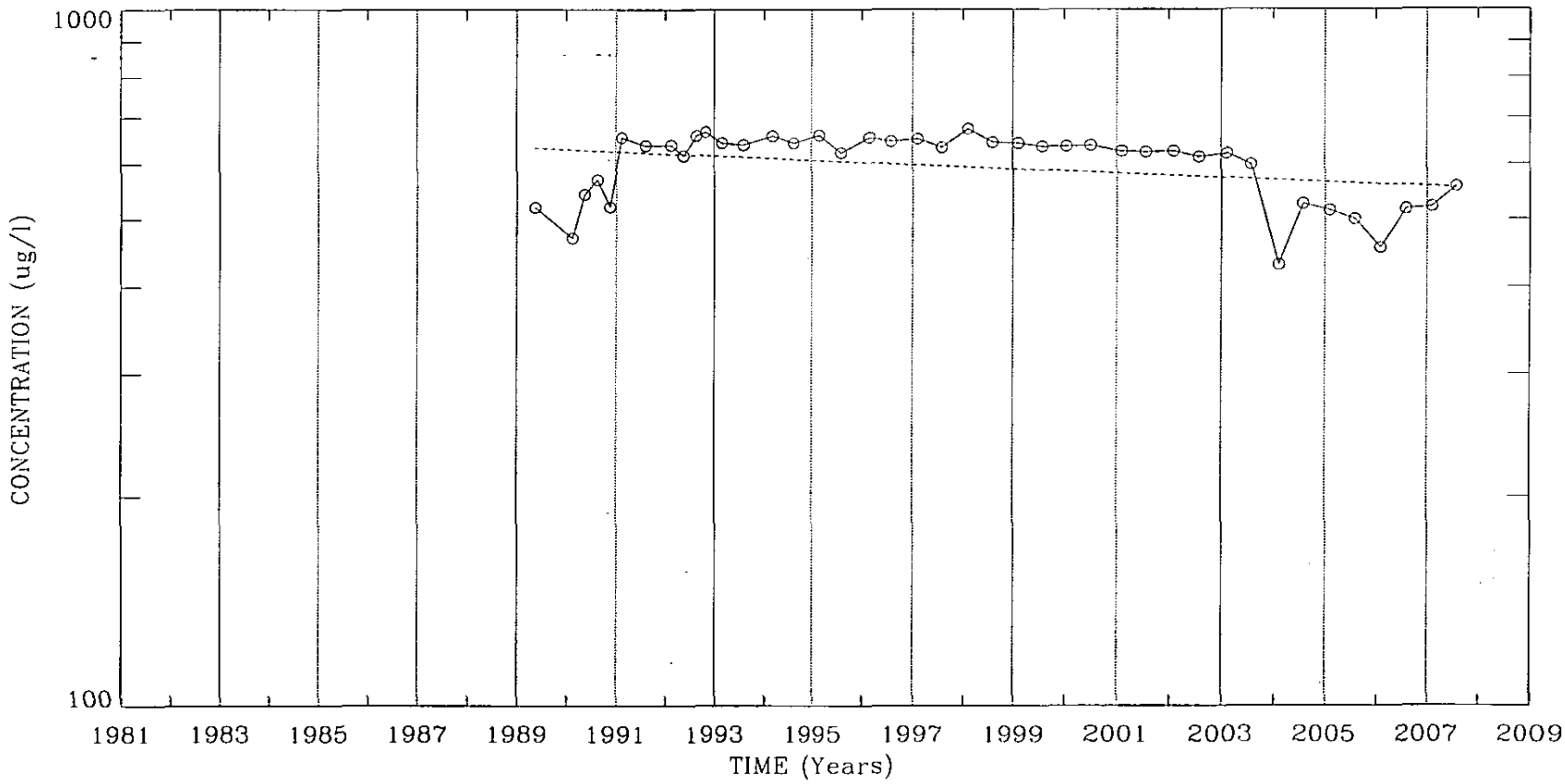

REGRESSION LINE EQUATION: $Y = 7.444E+003e^{-0.0236x}$

Well AT-01 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



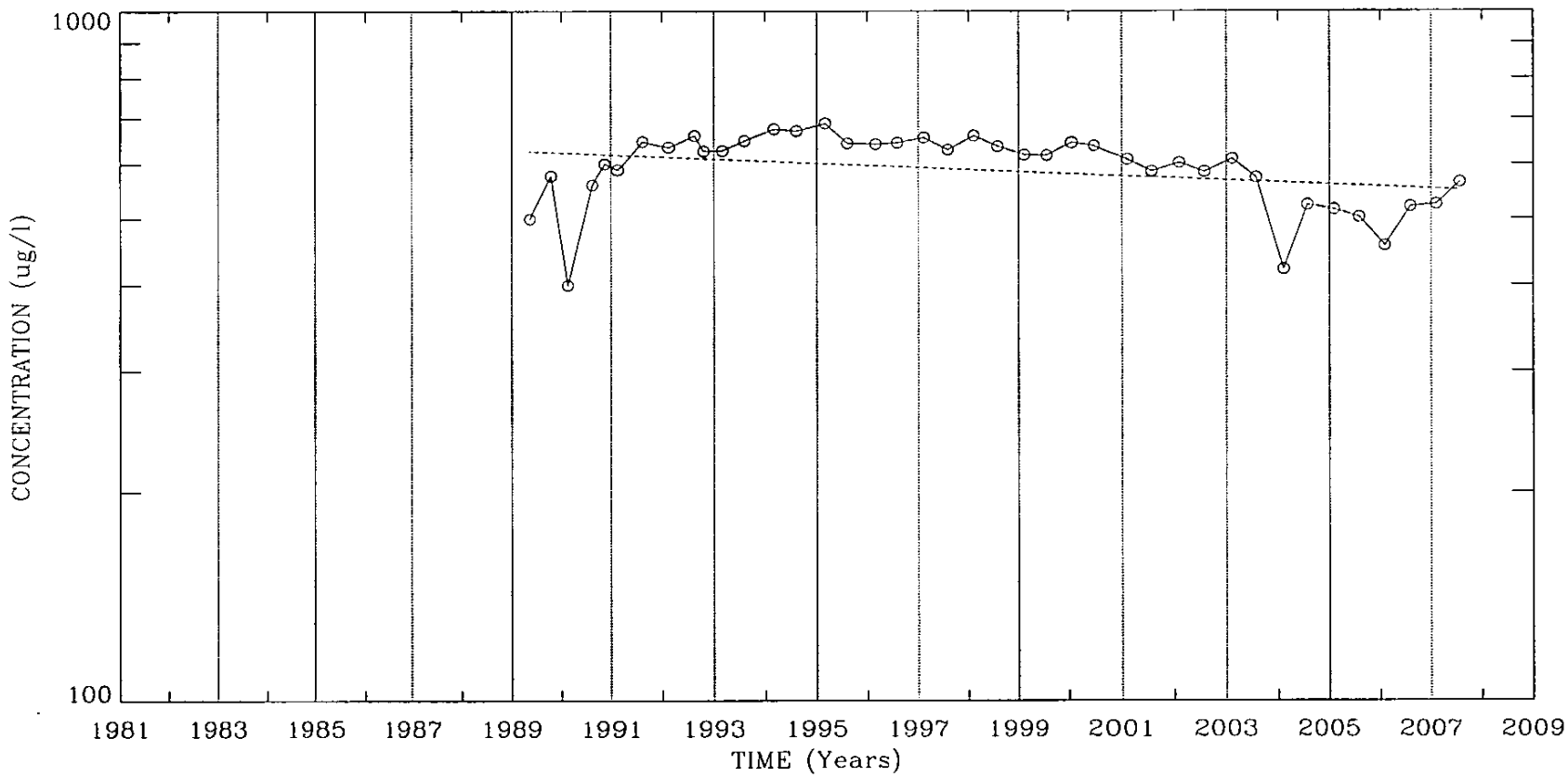

REGRESSION LINE EQUATION: $Y = 1.170E+003e^{-0.0073x}$

Well AT-02 UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



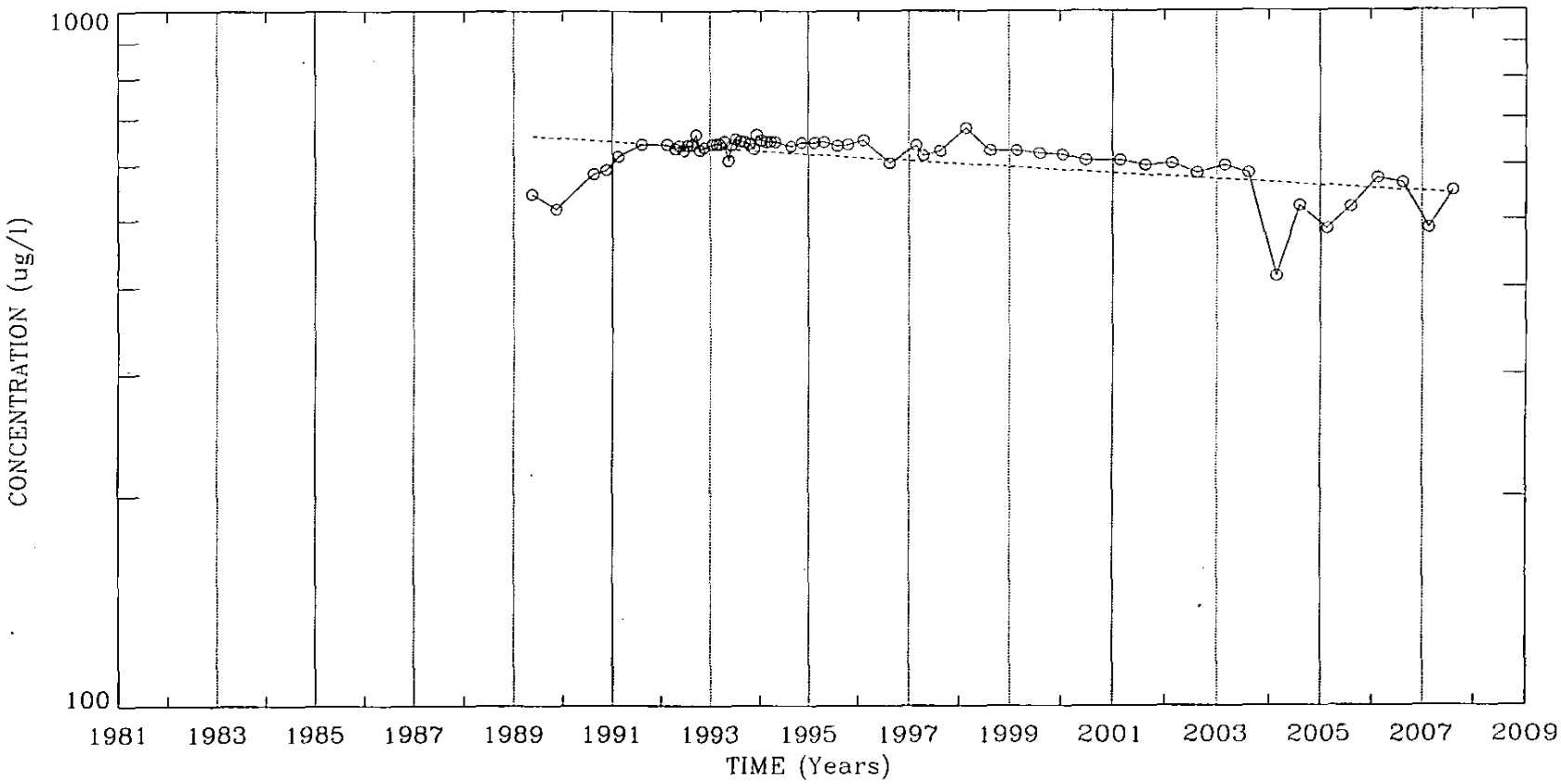

REGRESSION LINE EQUATION: $Y = 1.206E+003e^{-0.0072x}$

Well AT-03 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



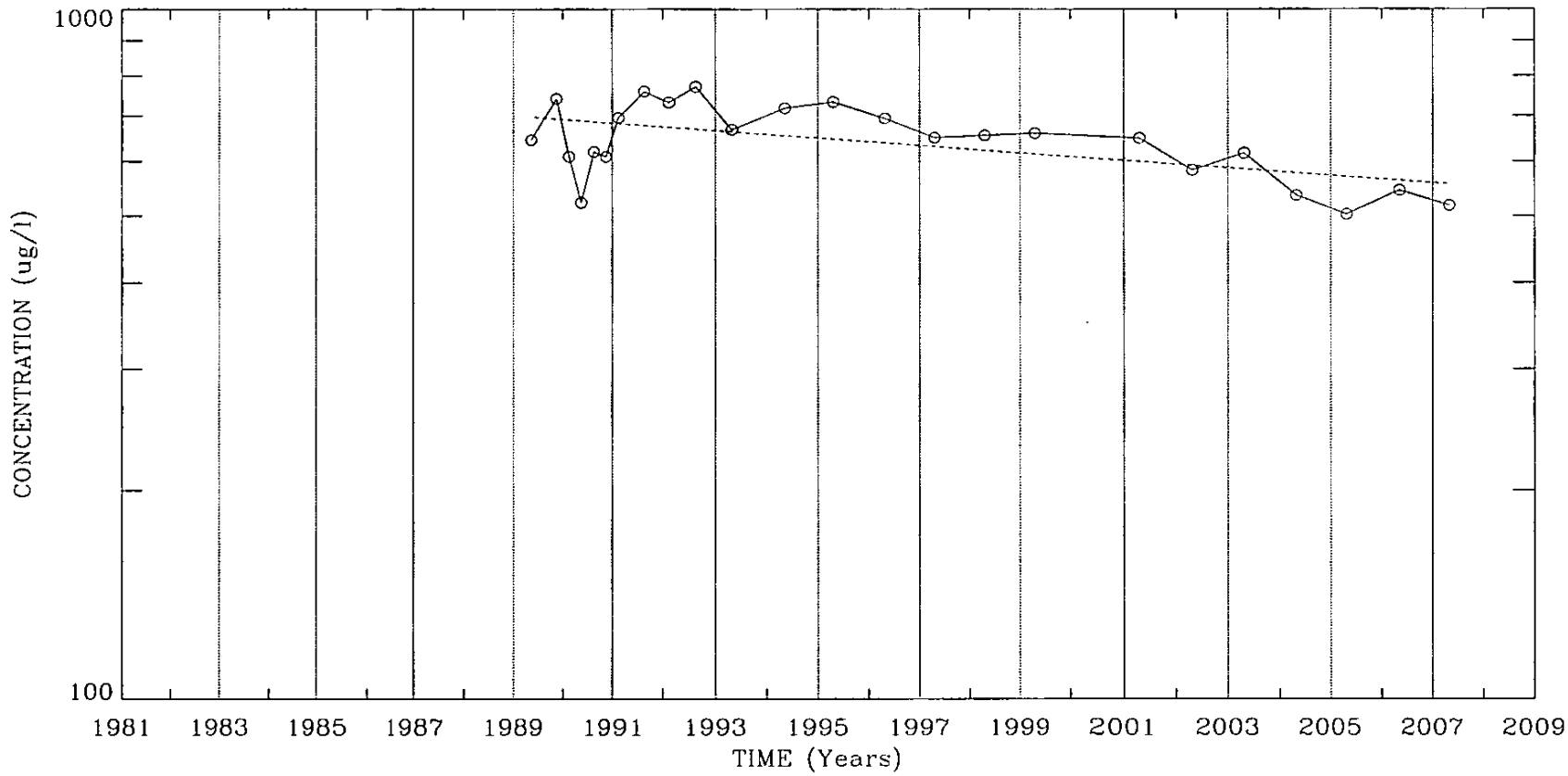

REGRESSION LINE EQUATION: $Y = 1.183E+003e^{-0.0071x}$

Well AT-04 UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



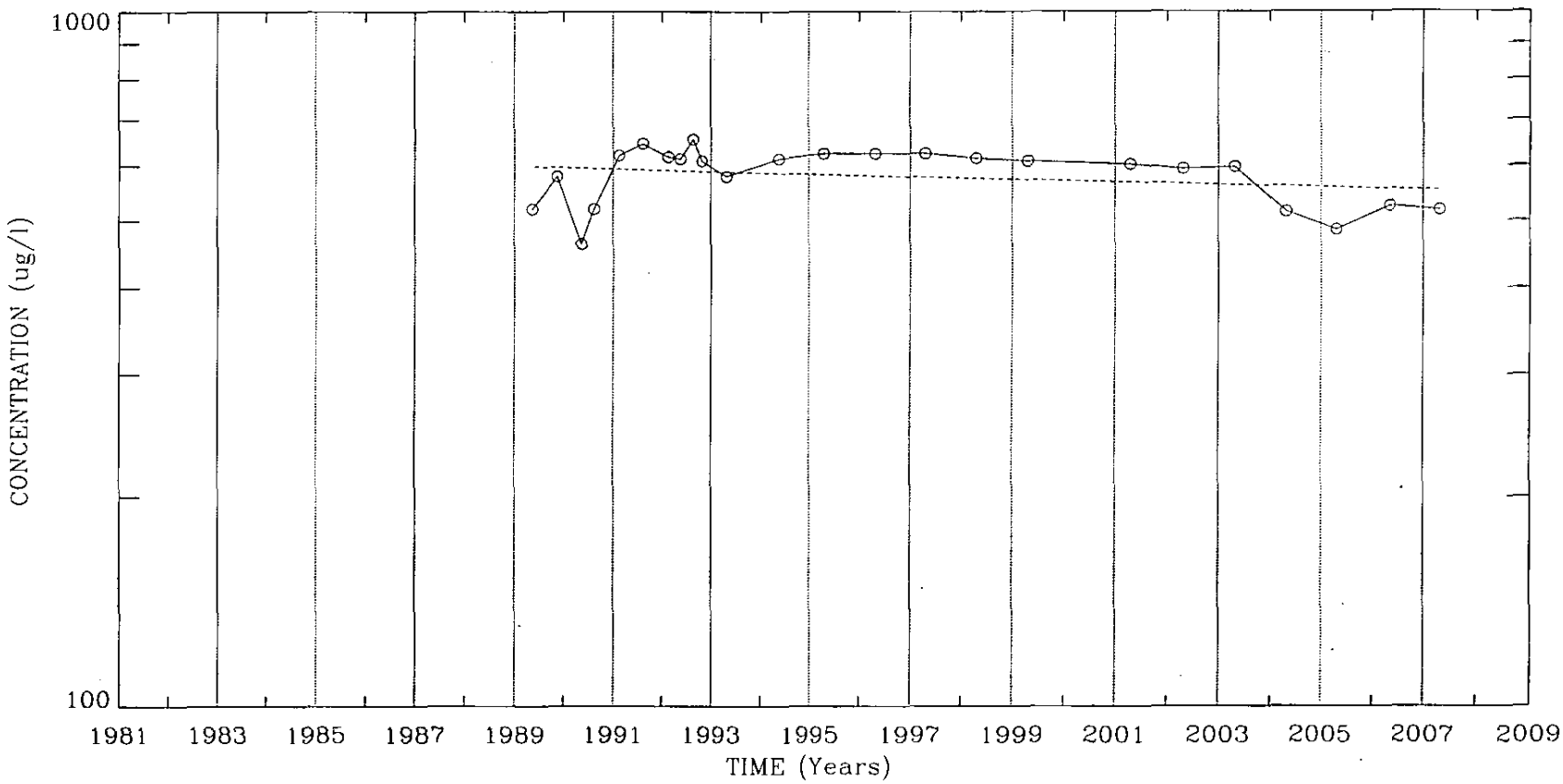

REGRESSION LINE EQUATION: $Y = 1.681E+003e^{-0.0105x}$

Well AT-05 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



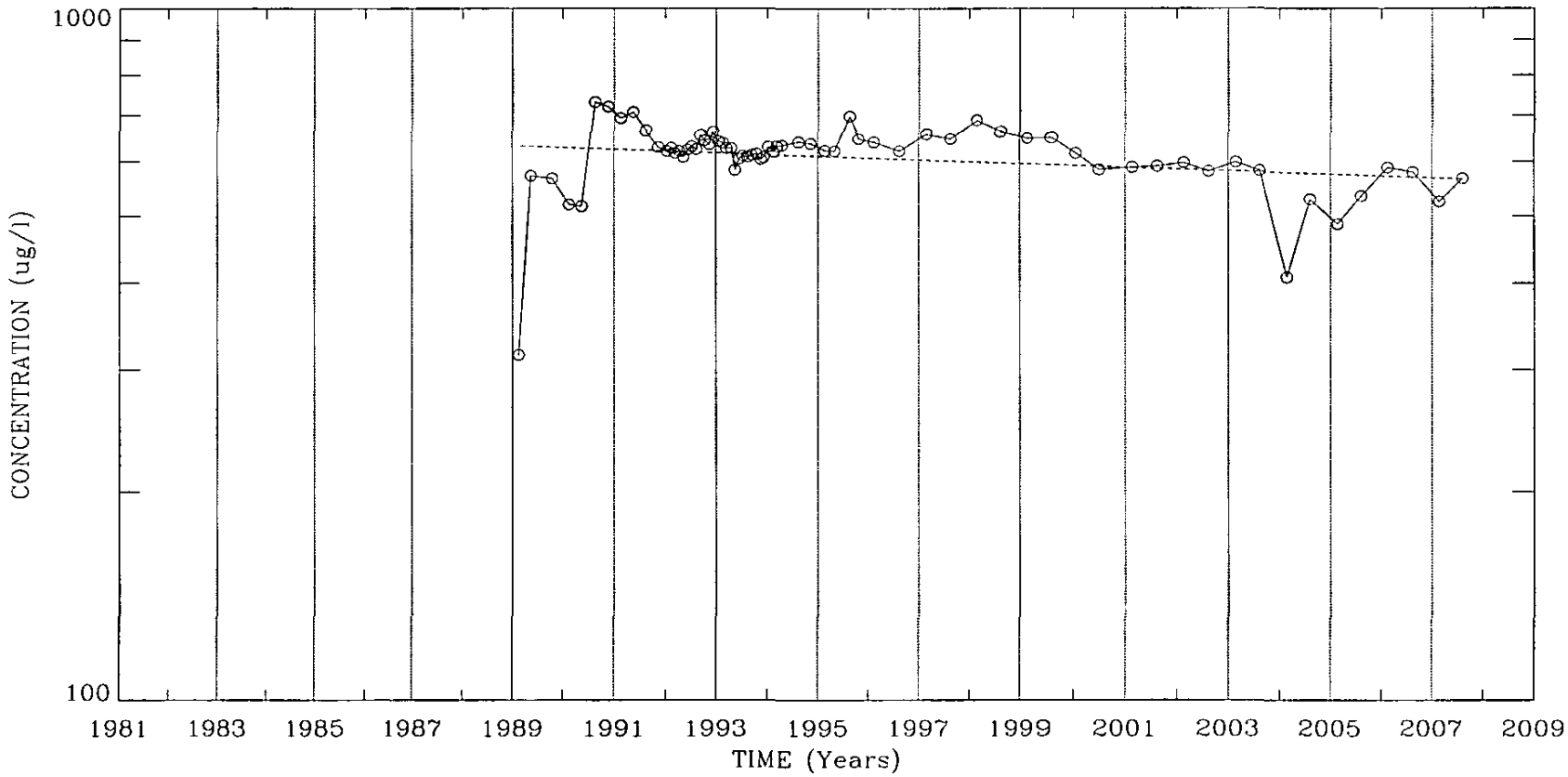

REGRESSION LINE EQUATION: $Y = 2.135E+003e^{-0.0125x}$

Well AT-06 UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



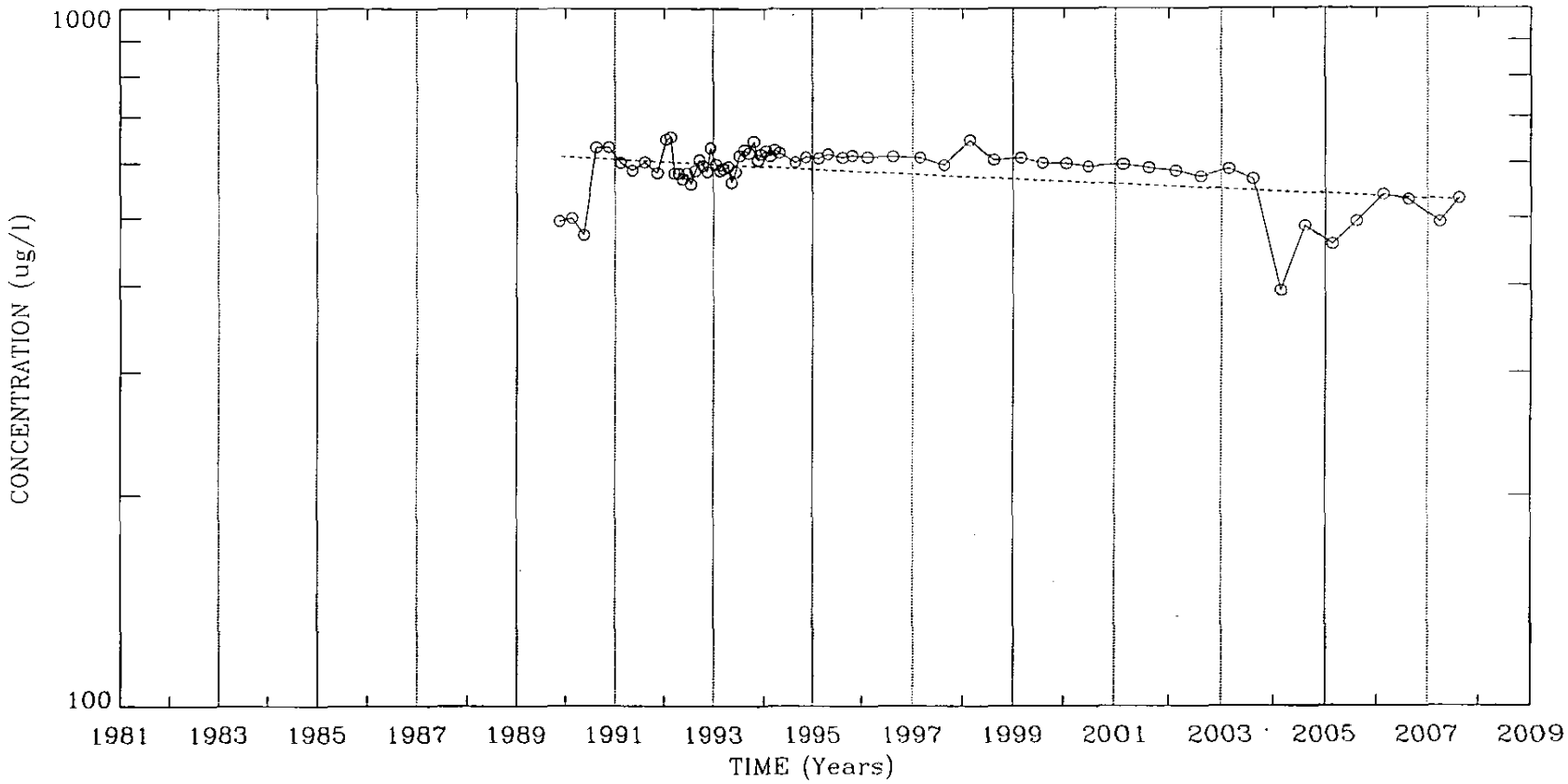

REGRESSION LINE EQUATION: $Y = 8.824E+002e^{-0.0043x}$

Well AT-07 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



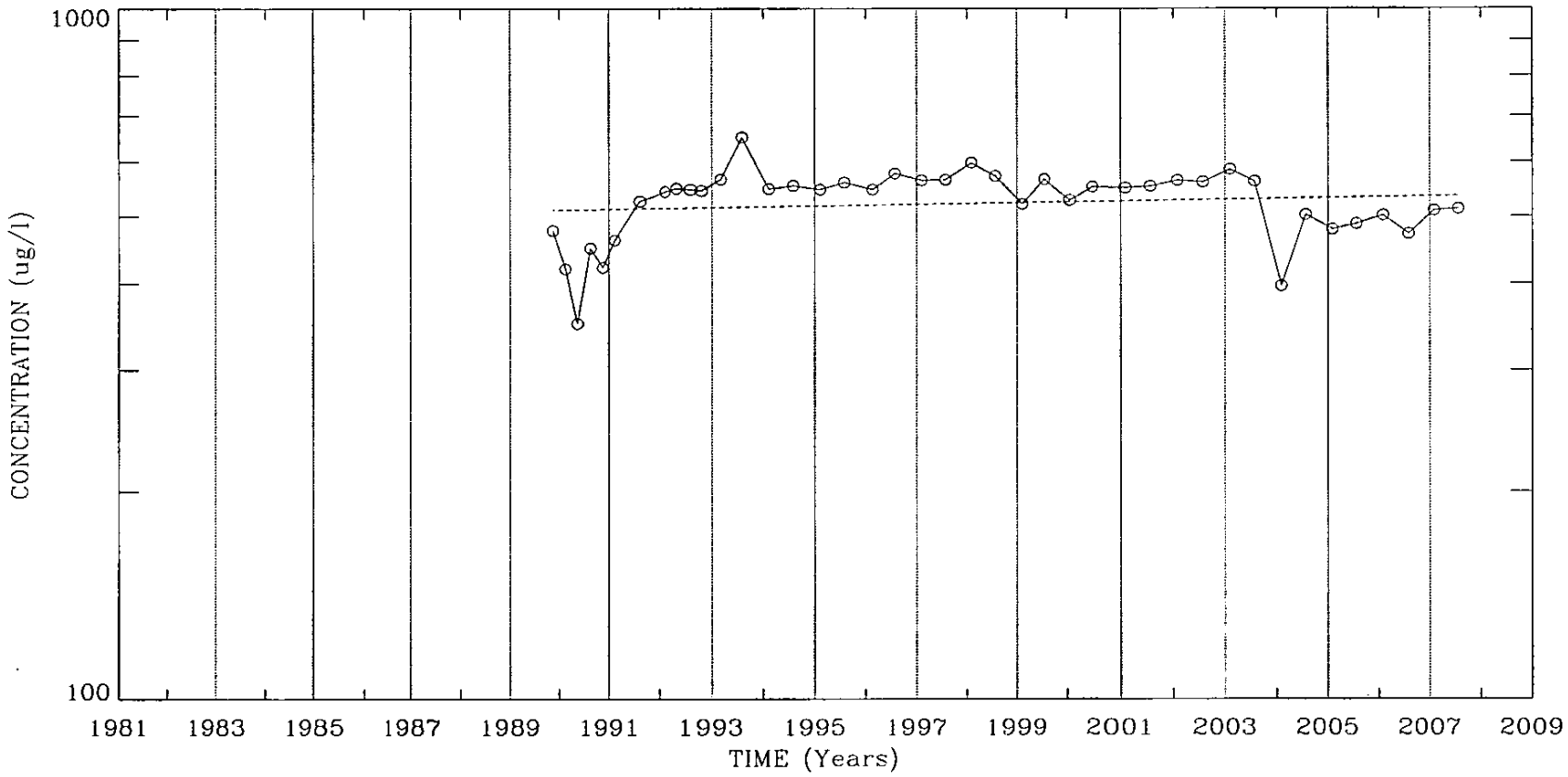

REGRESSION LINE EQUATION: $Y = 1.072E+003e^{-0.0059x}$

Well AT-08 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



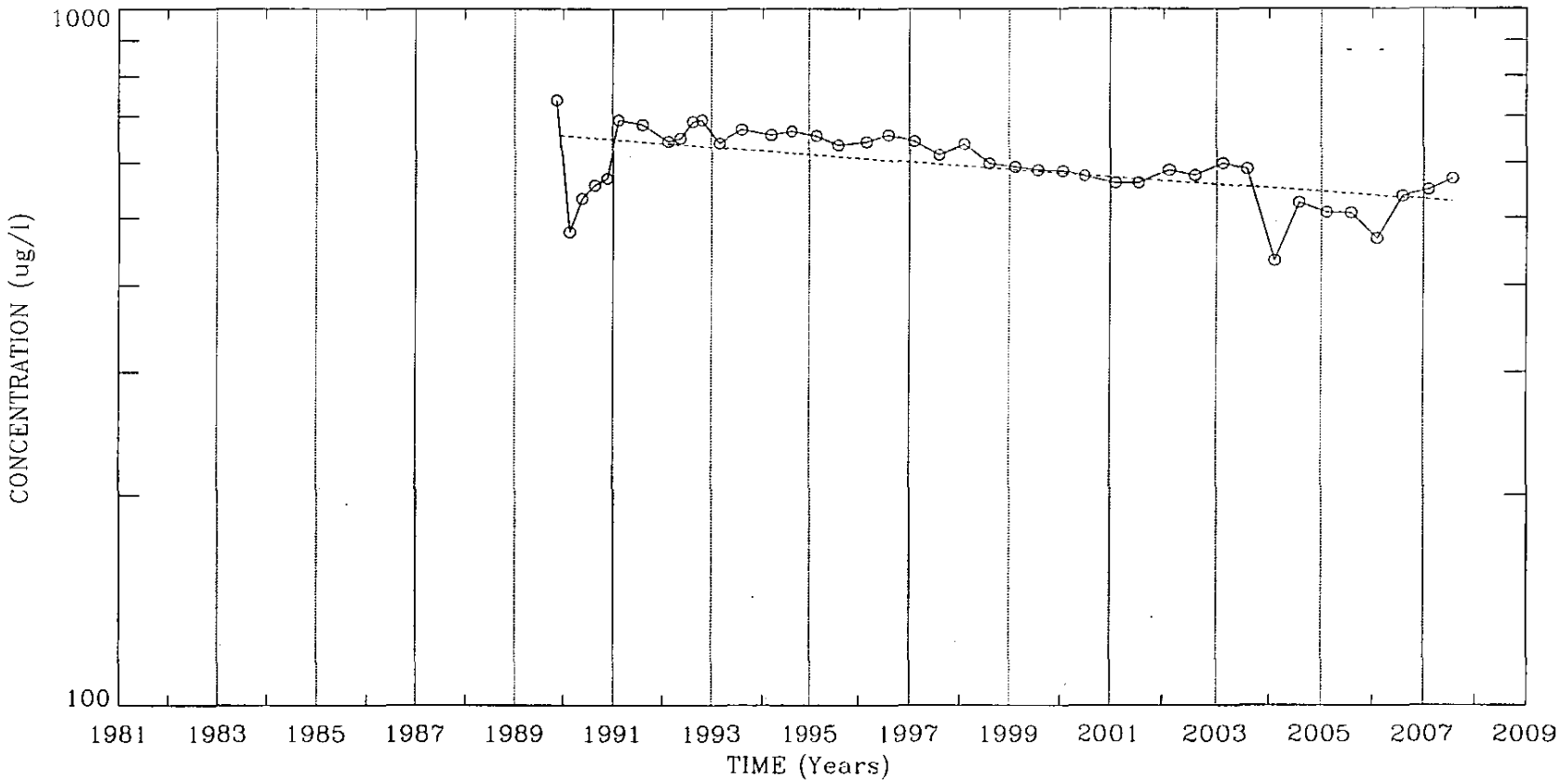

REGRESSION LINE EQUATION: $Y = 1.284E+003e^{-0.0082x}$

Well AT-09 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



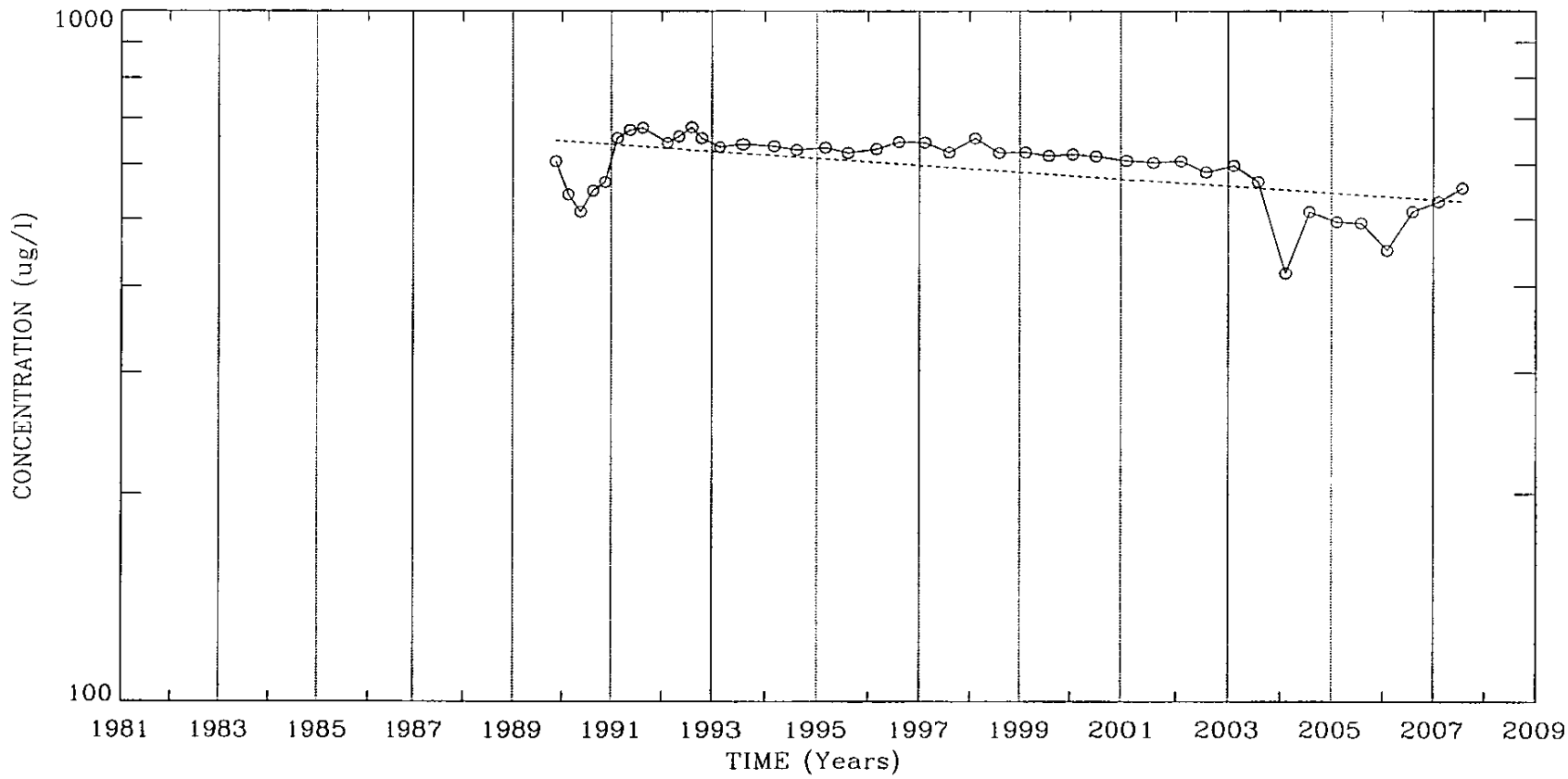

REGRESSION LINE EQUATION: $Y = 4.015E+002e^{0.0027x}$

Well AT-10 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



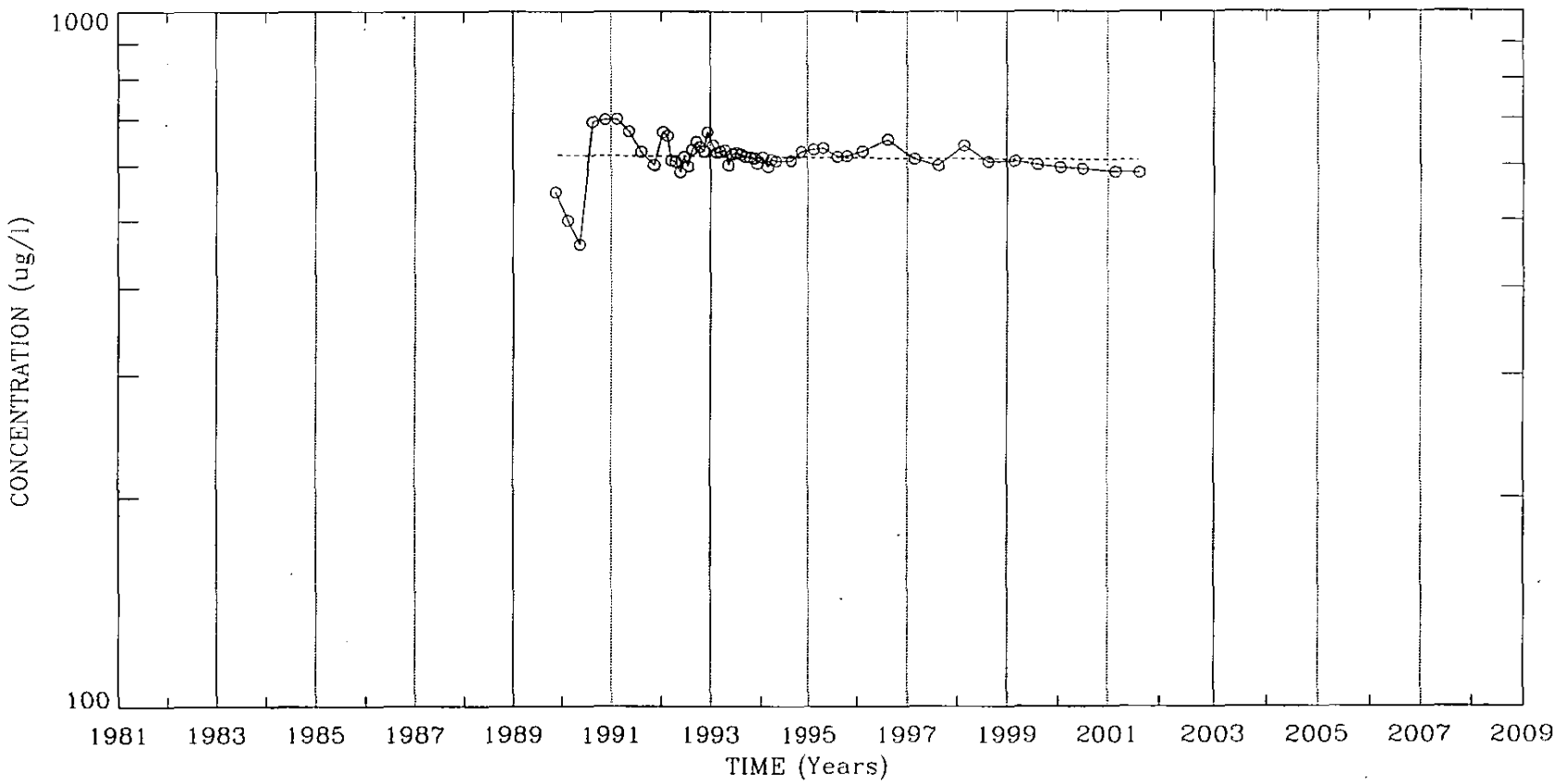

REGRESSION LINE EQUATION: $Y = 1.984E+003e^{-0.0123x}$

Well AT-11 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



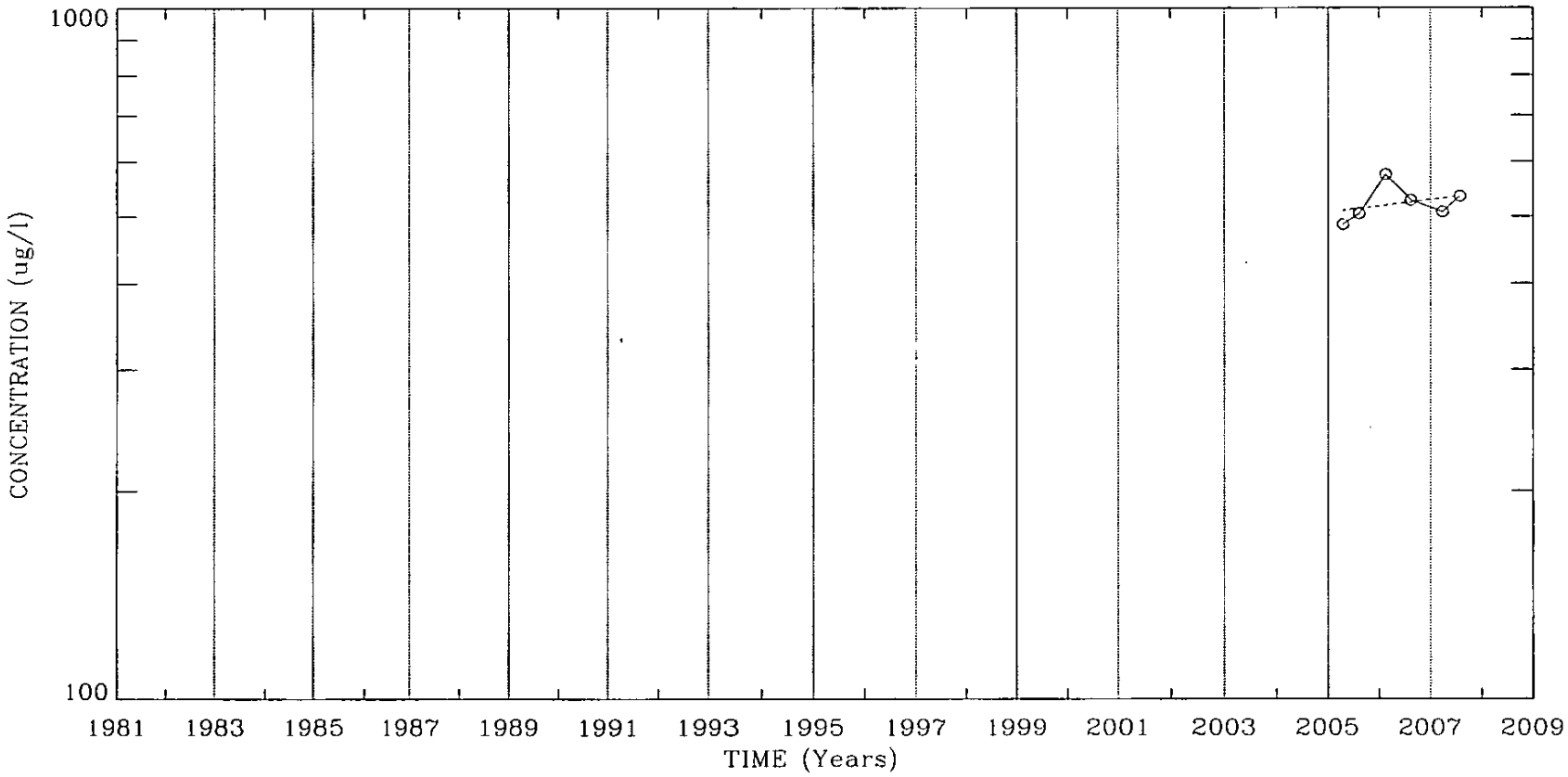

REGRESSION LINE EQUATION: $Y = 1.825E+003e^{-0.0115x}$

Well AT-12 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



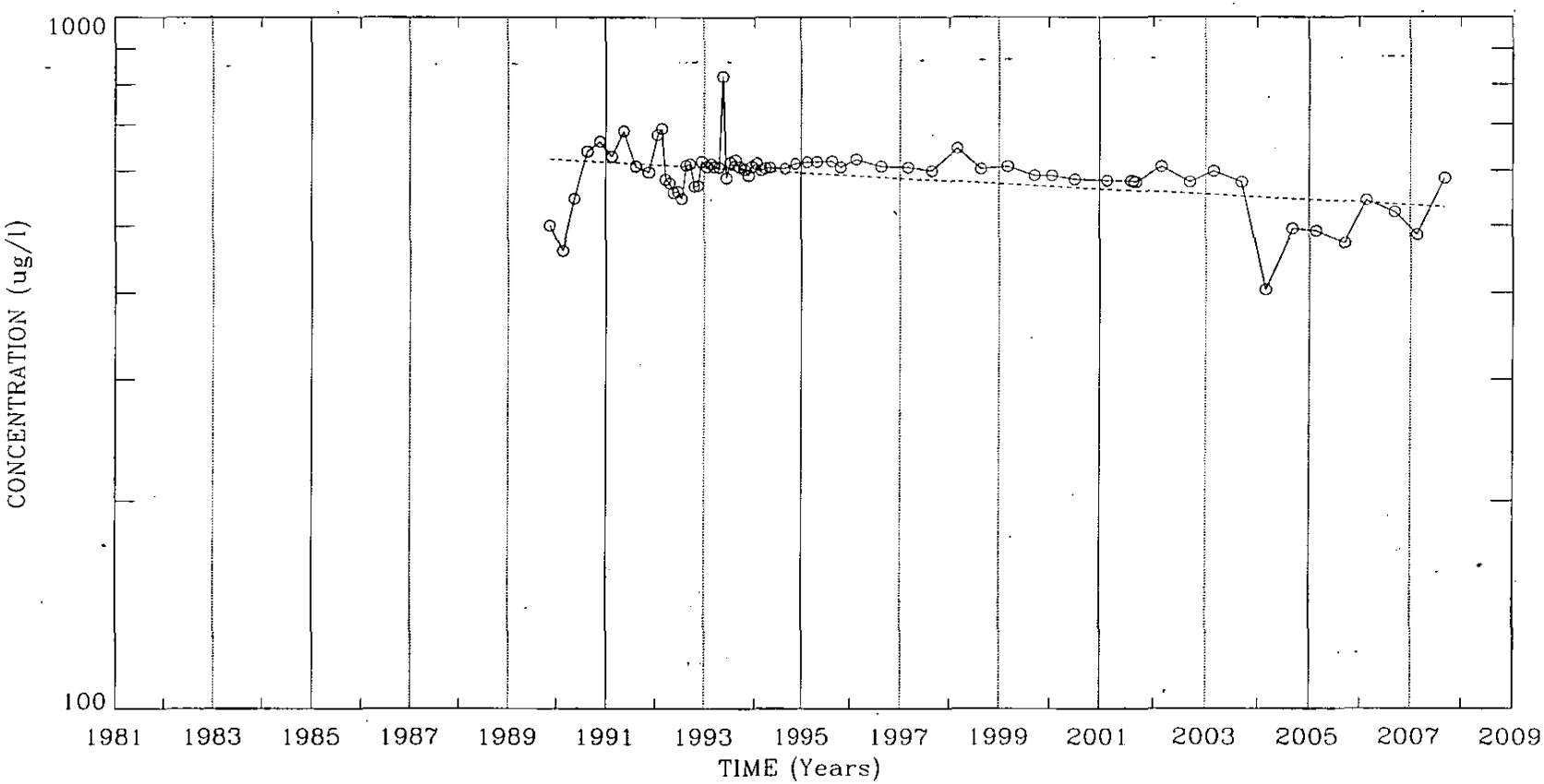

REGRESSION LINE EQUATION: $Y = 7.088E+002e^{-0.0015x}$

Well AT-12R Unit 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



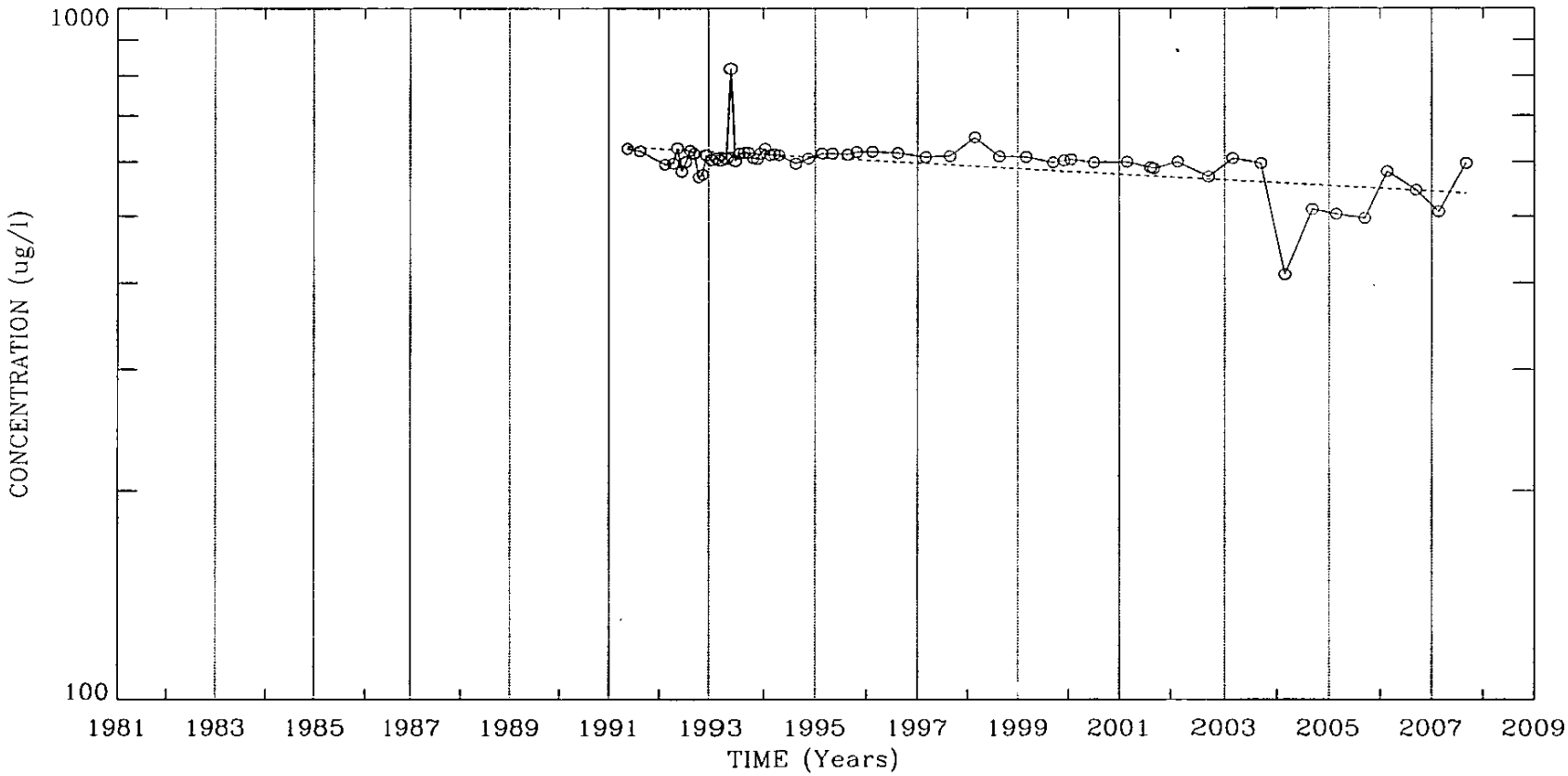

REGRESSION LINE EQUATION: $Y = 5.574E+001e^{0.0210x}$

Well AT-13 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



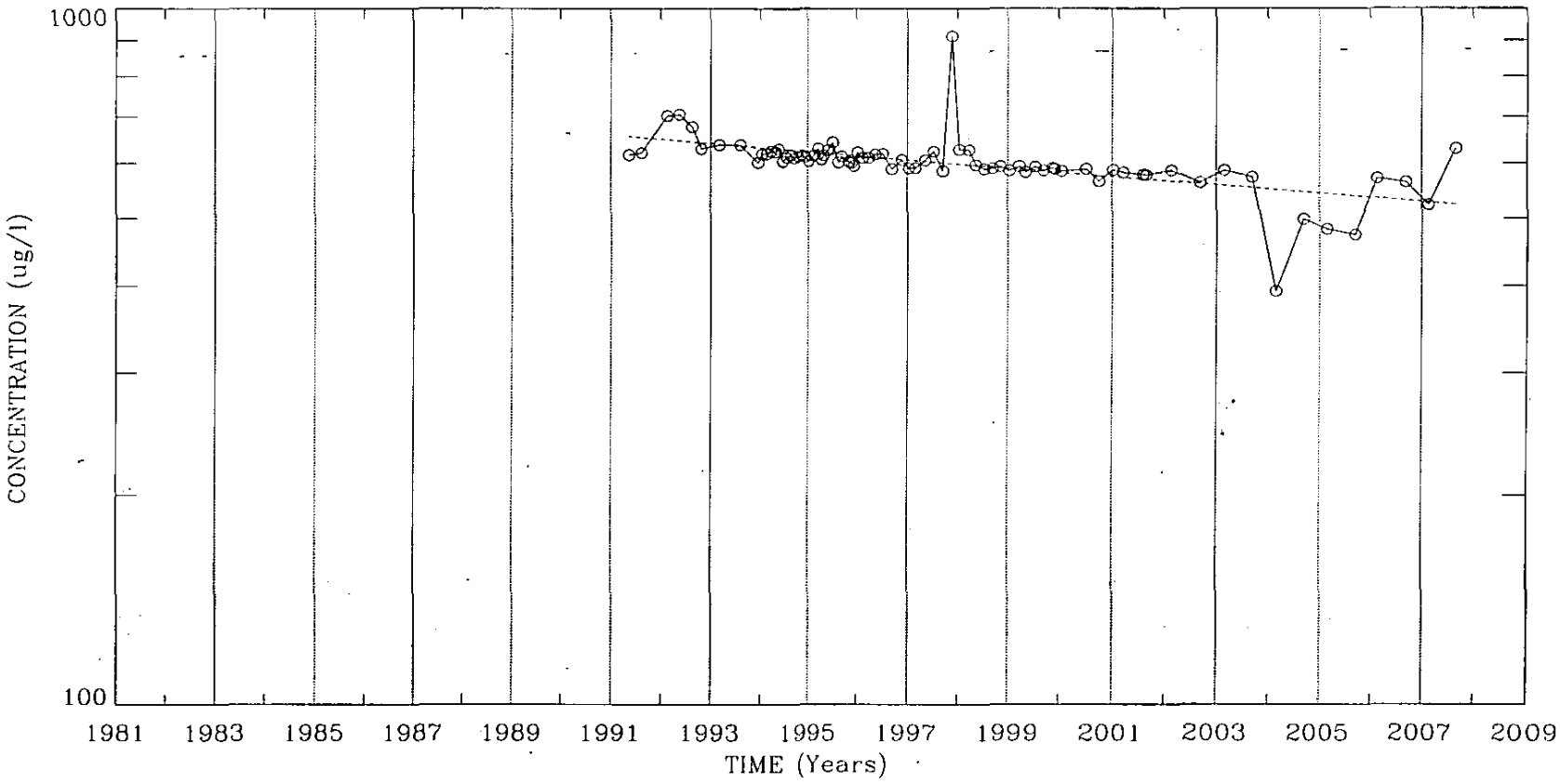

REGRESSION LINE EQUATION: $Y = 1.390E+003e^{-0.0089x}$

Well AT-14 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



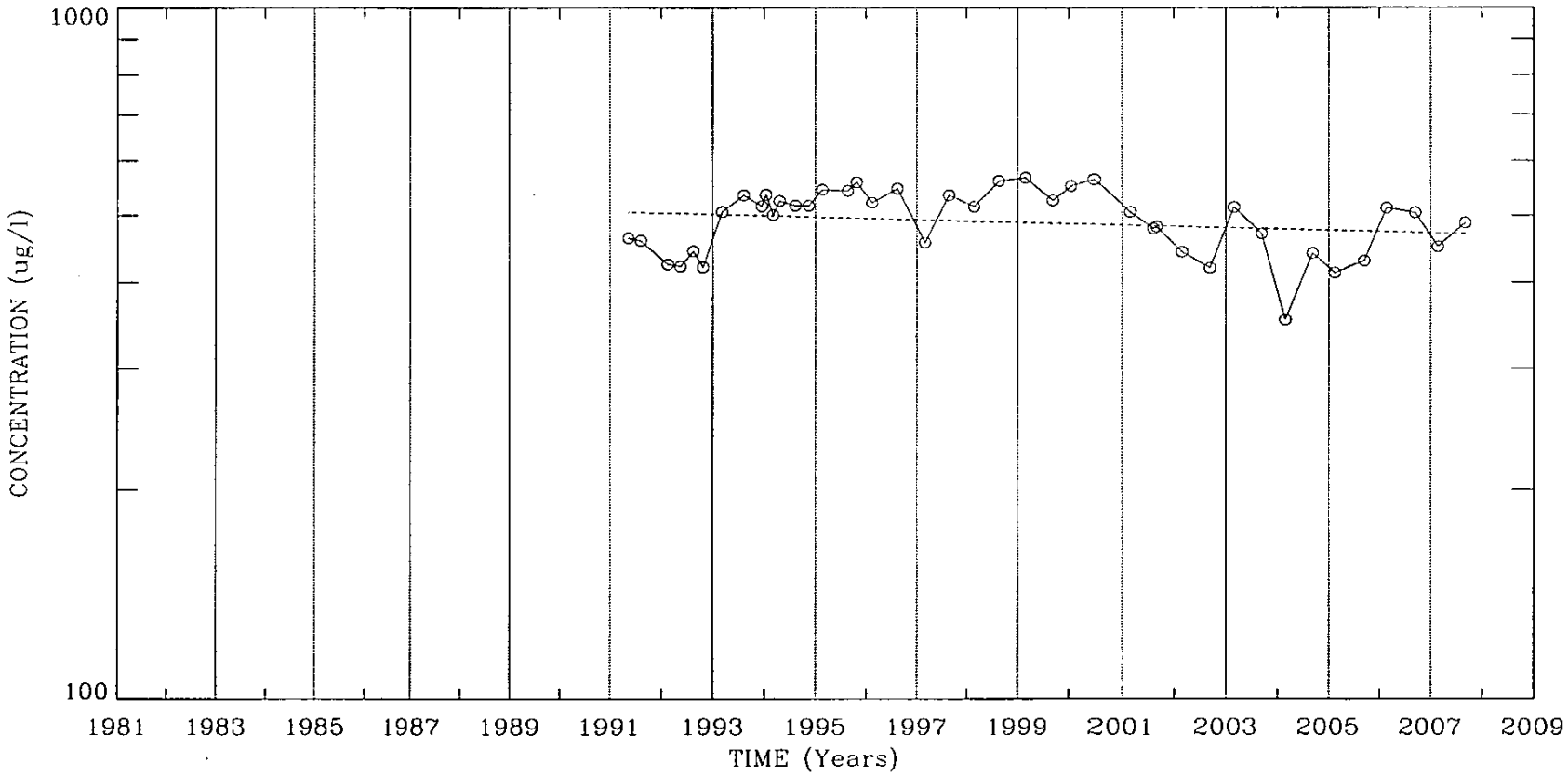

REGRESSION LINE EQUATION: $Y = 1.502E+003e^{-0.0095x}$

Well AT-15 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



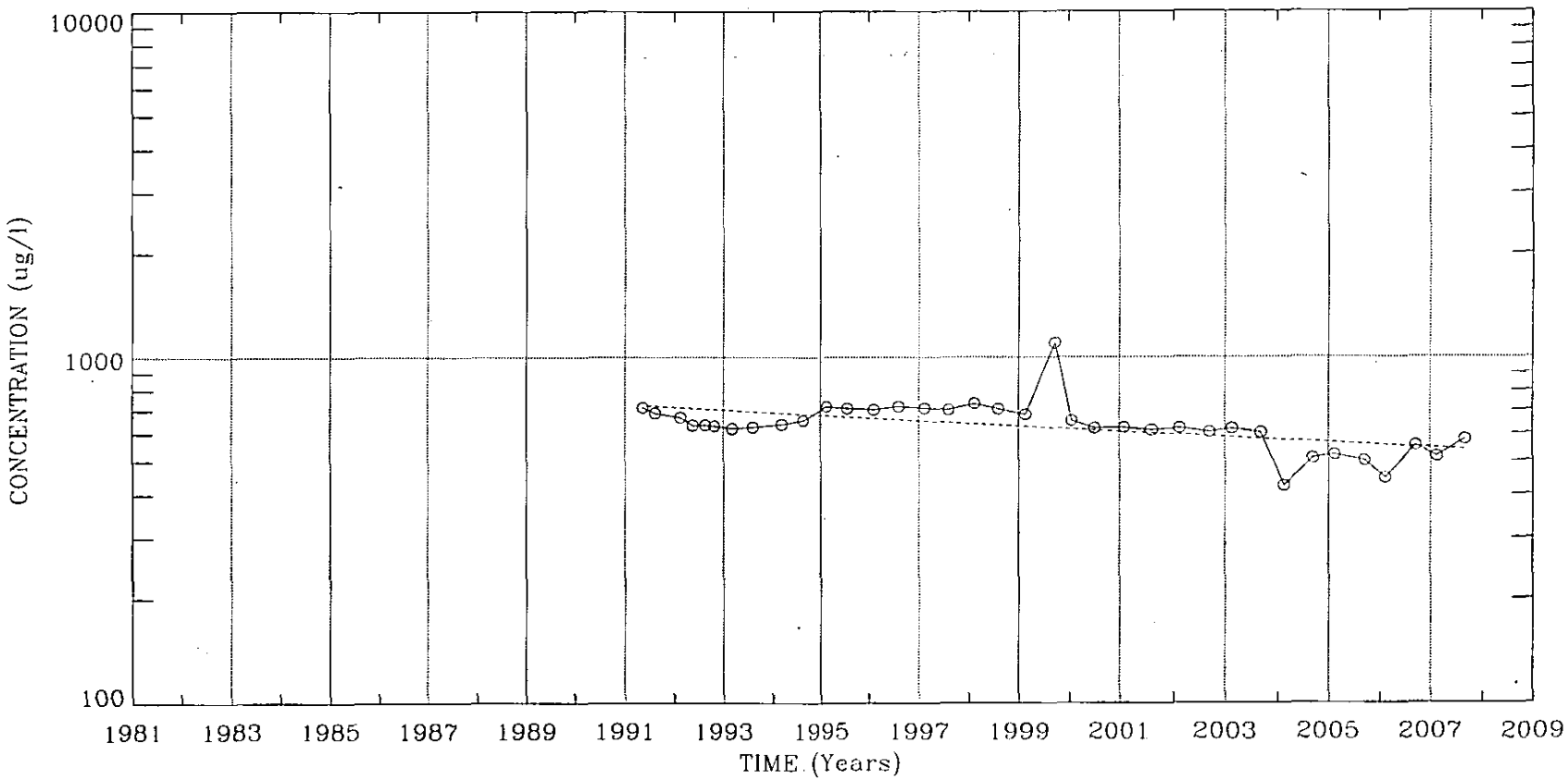

REGRESSION LINE EQUATION: $Y = 2.294E+003e^{-0.0137x}$

Well AT-16 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



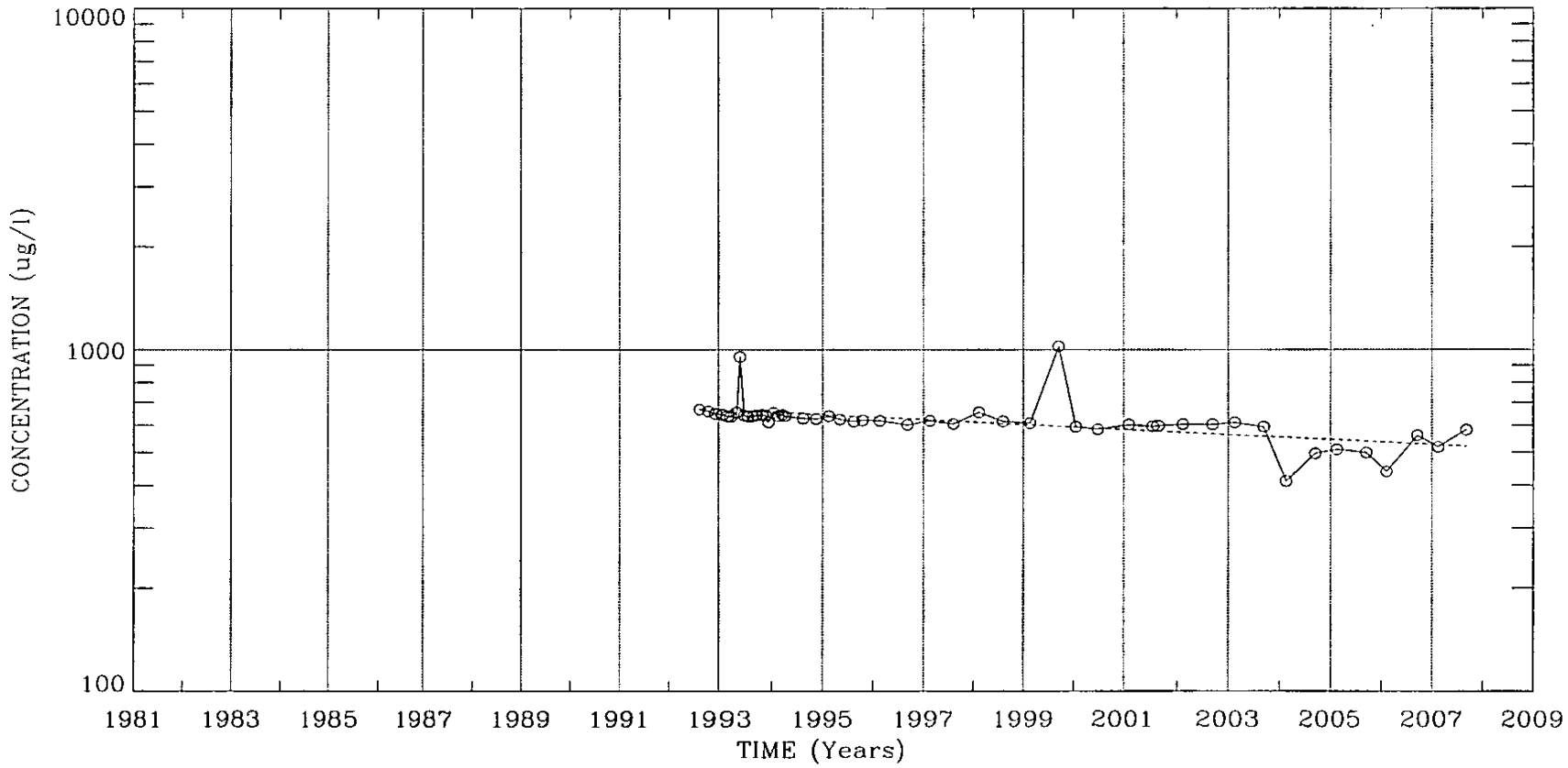

REGRESSION LINE EQUATION: $Y = 7.546E+002e^{-0.0044x}$

Well AT-17 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



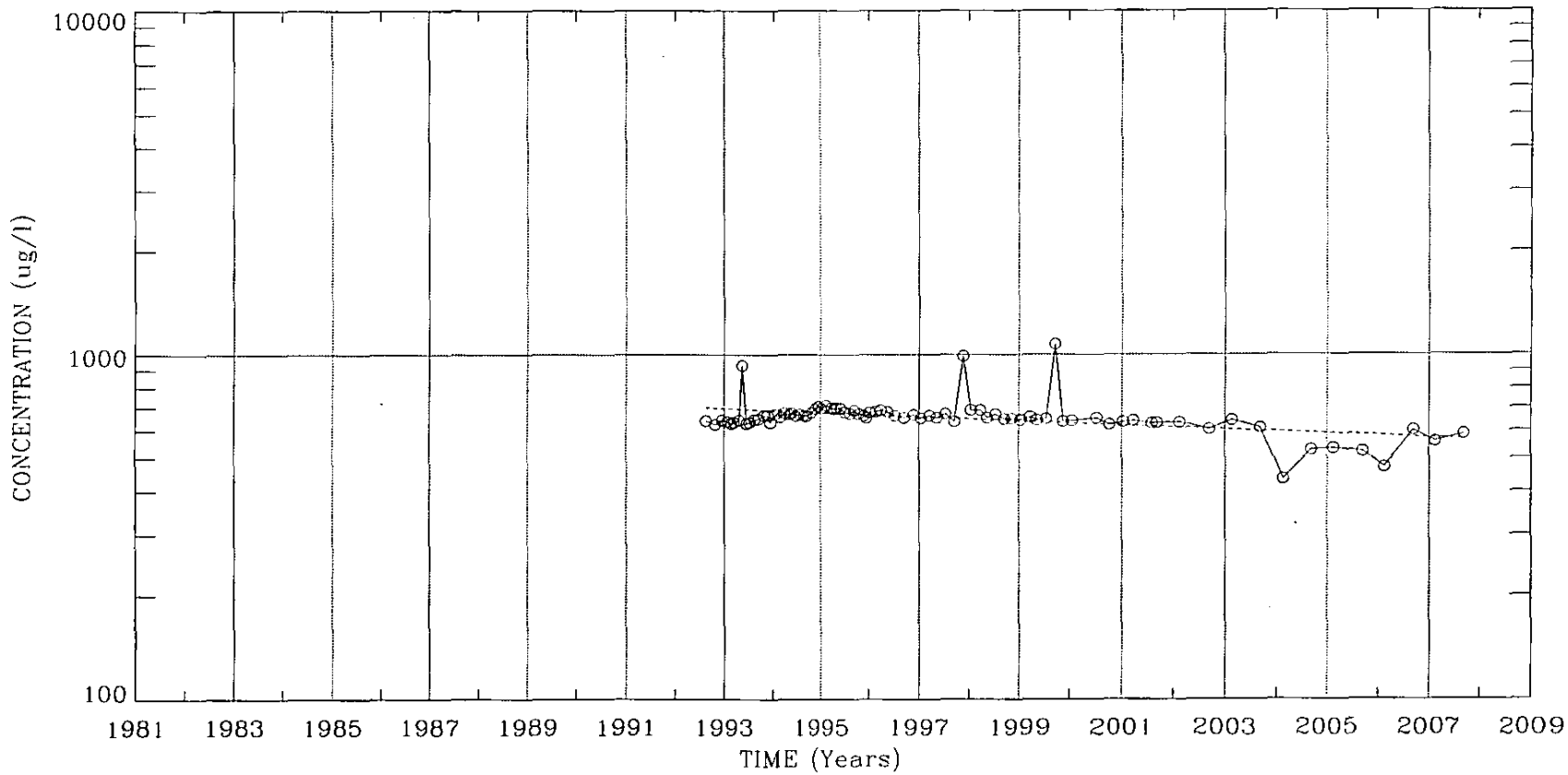

REGRESSION LINE EQUATION: $Y = 3.767E+003e^{-0.0181x}$

Well AT-18 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



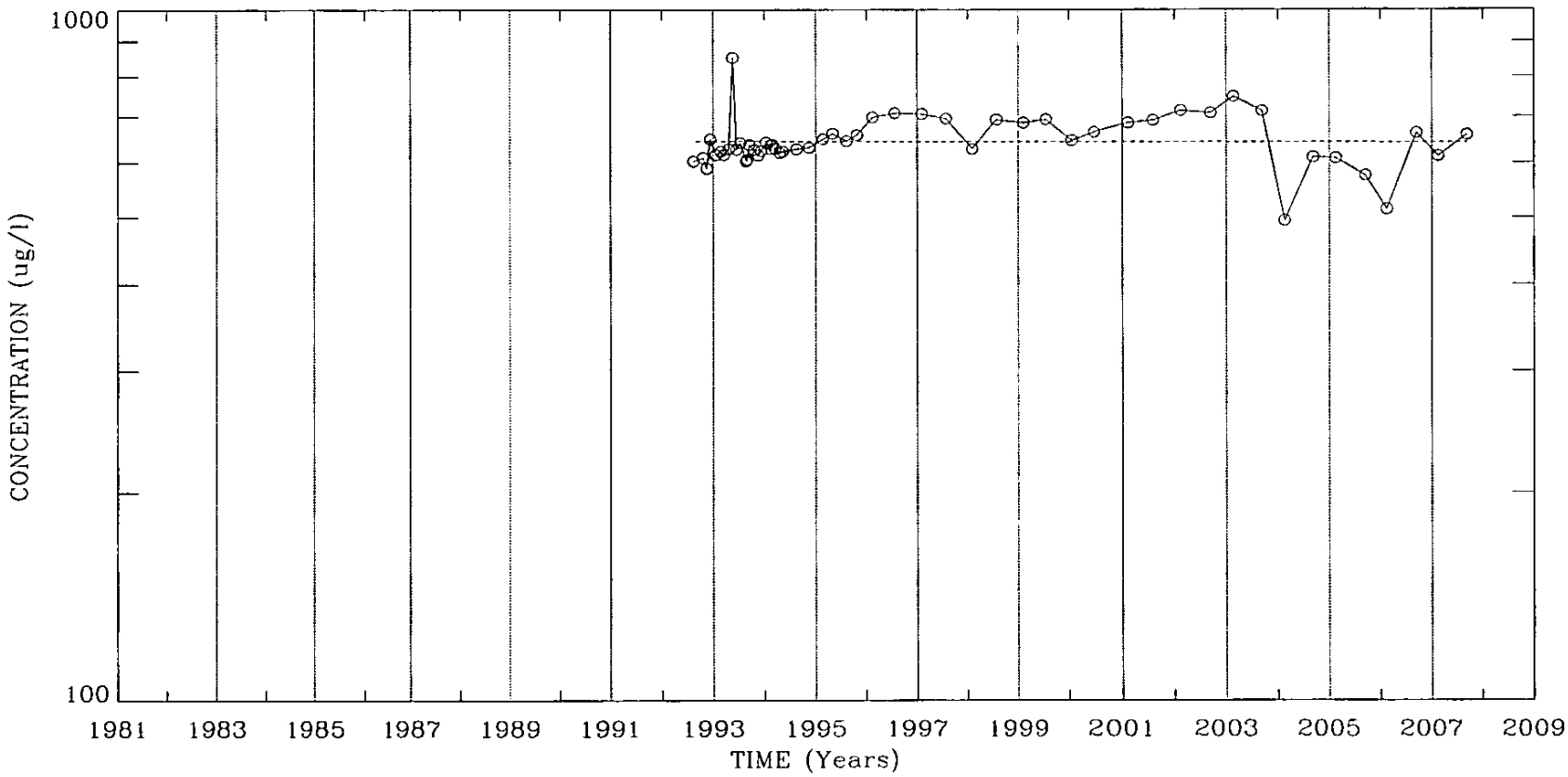

REGRESSION LINE EQUATION: $Y = 3.203E+003e^{-0.0169x}$

Well AT-19 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



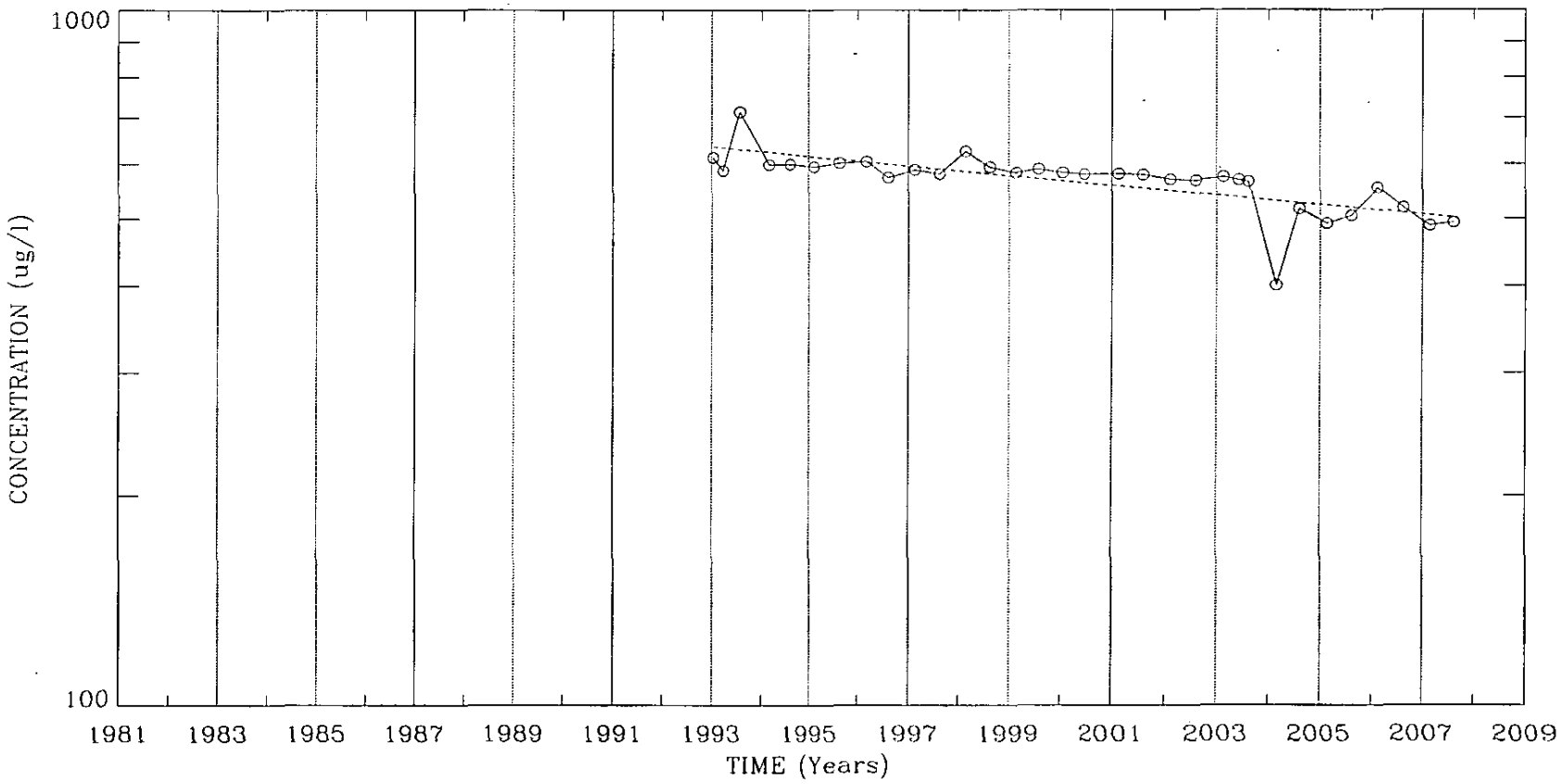

REGRESSION LINE EQUATION: $Y = 2.557E+003e^{-0.0140x}$

Well AT-20 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



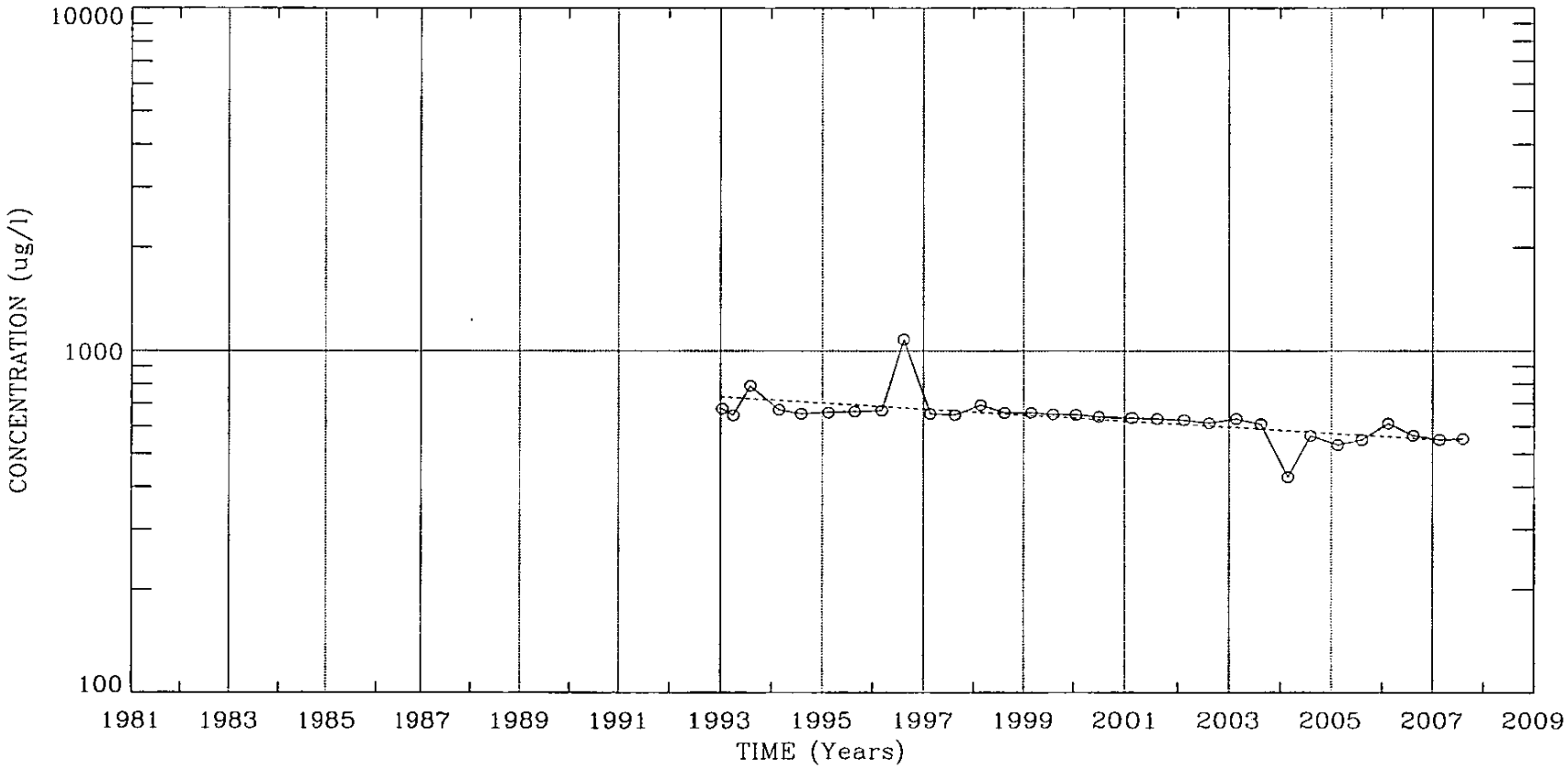

REGRESSION LINE EQUATION: $Y = 6.641E+002e^{-0.0003x}$

Well AT-22 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



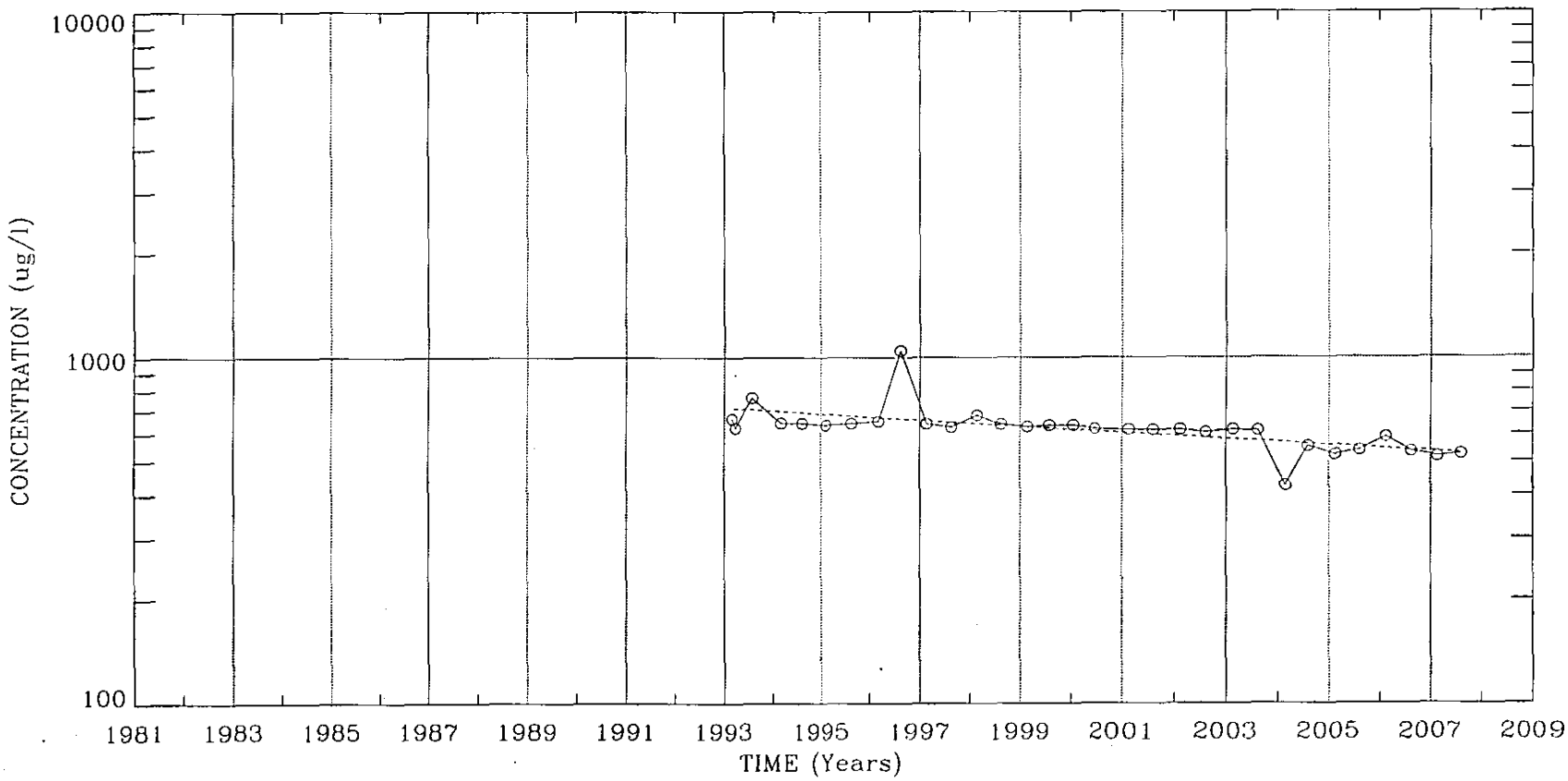

REGRESSION LINE EQUATION: $Y = 2.849E+003e^{-0.0161x}$

Well AT-21 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



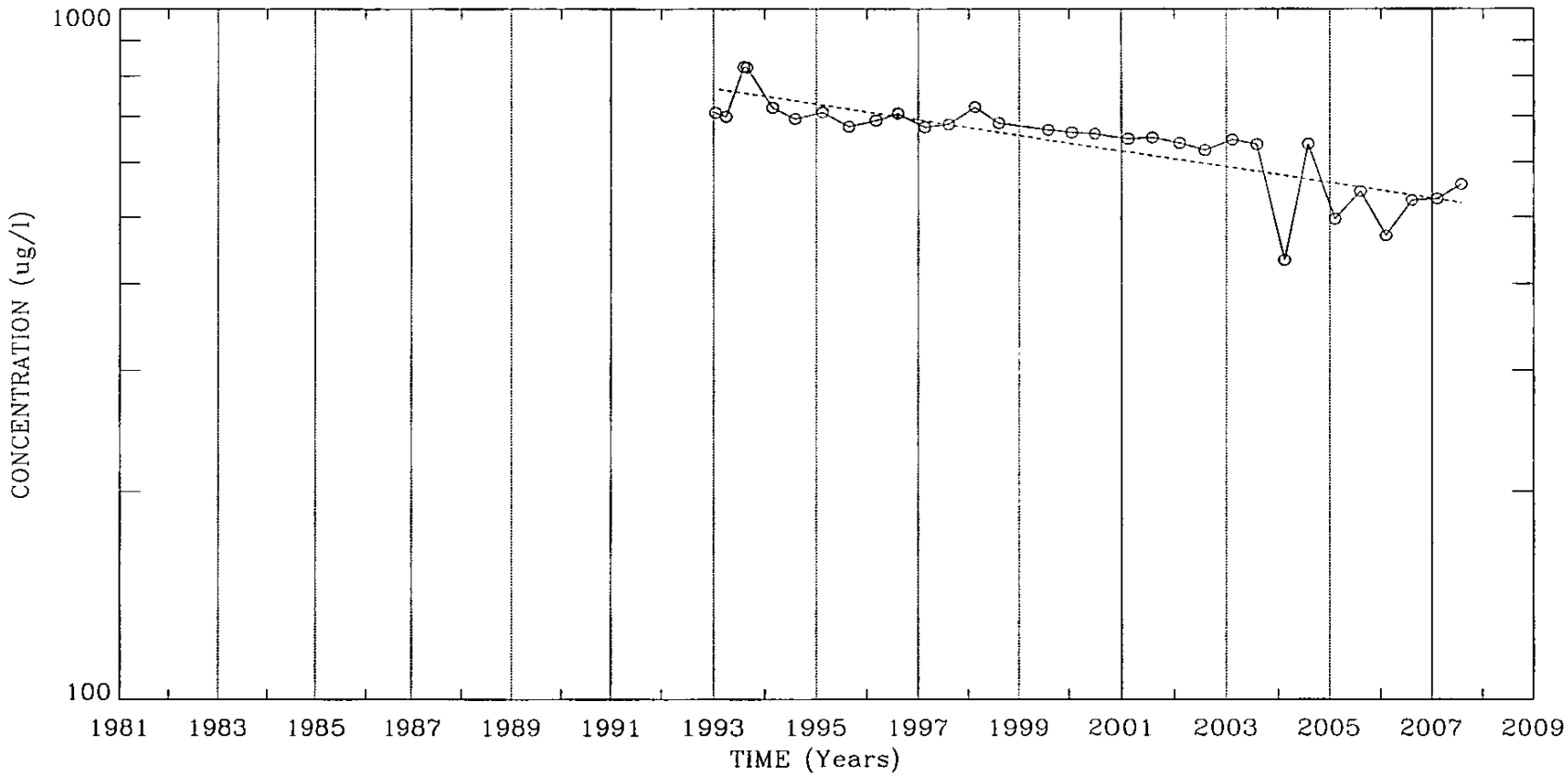

REGRESSION LINE EQUATION: $Y = 4.900E+003e^{-0.0204x}$

Well AT-23 UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



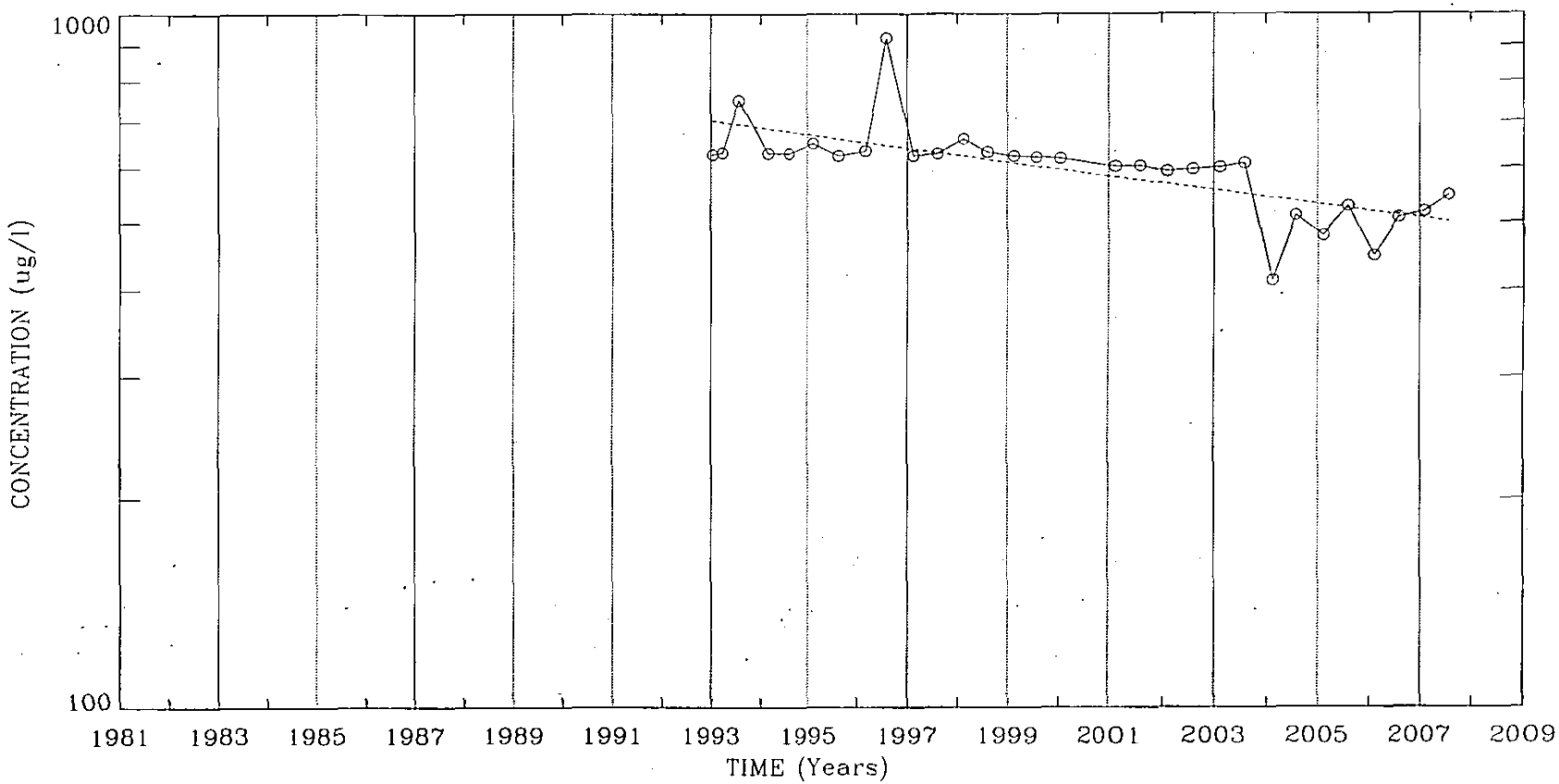

REGRESSION LINE EQUATION: $Y = 5.027E+003e^{-0.0210x}$

Well AT-24 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



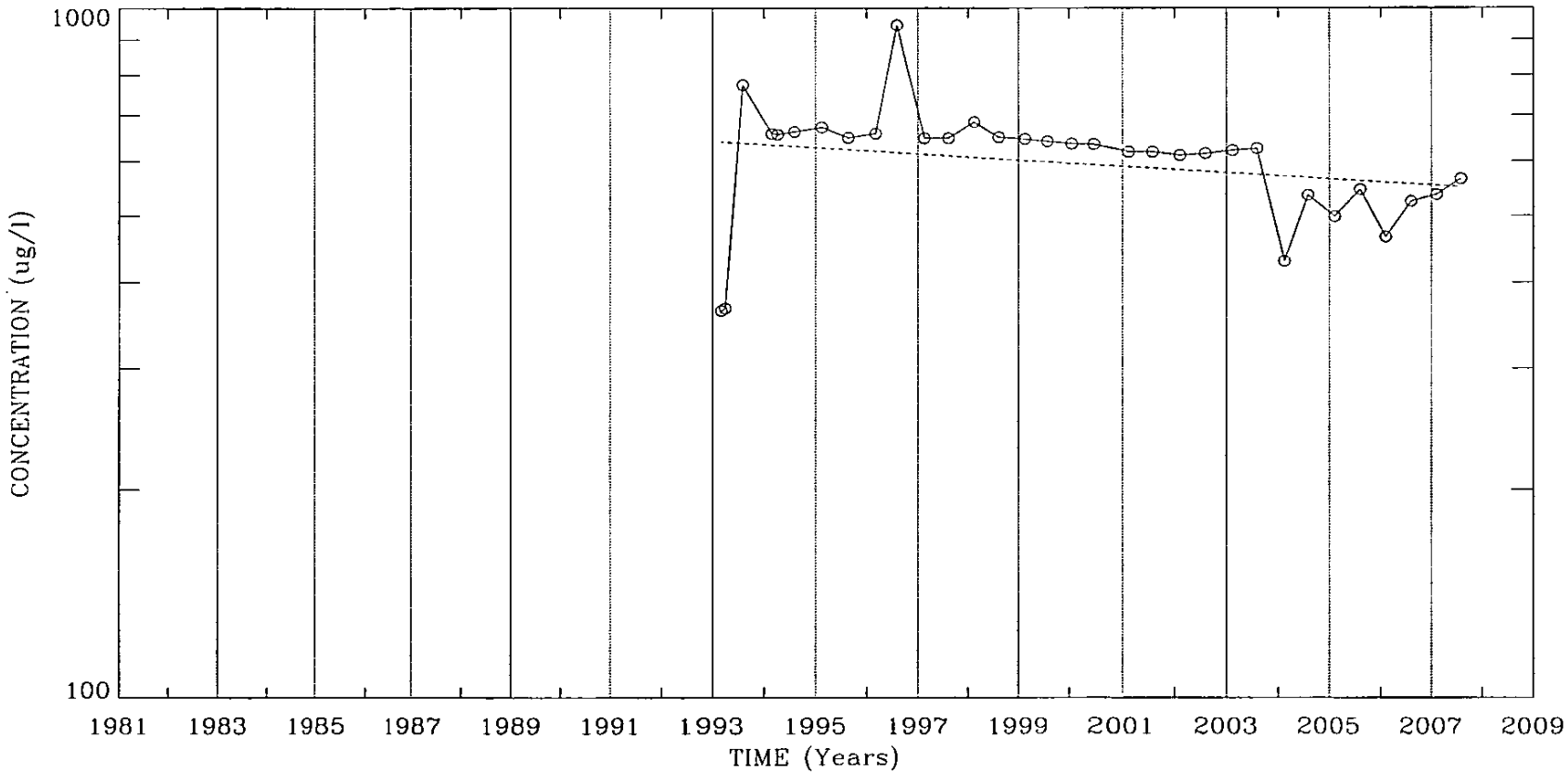

REGRESSION LINE EQUATION: $Y = 8.671E+003e^{-0.0261x}$

Well AT-25 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



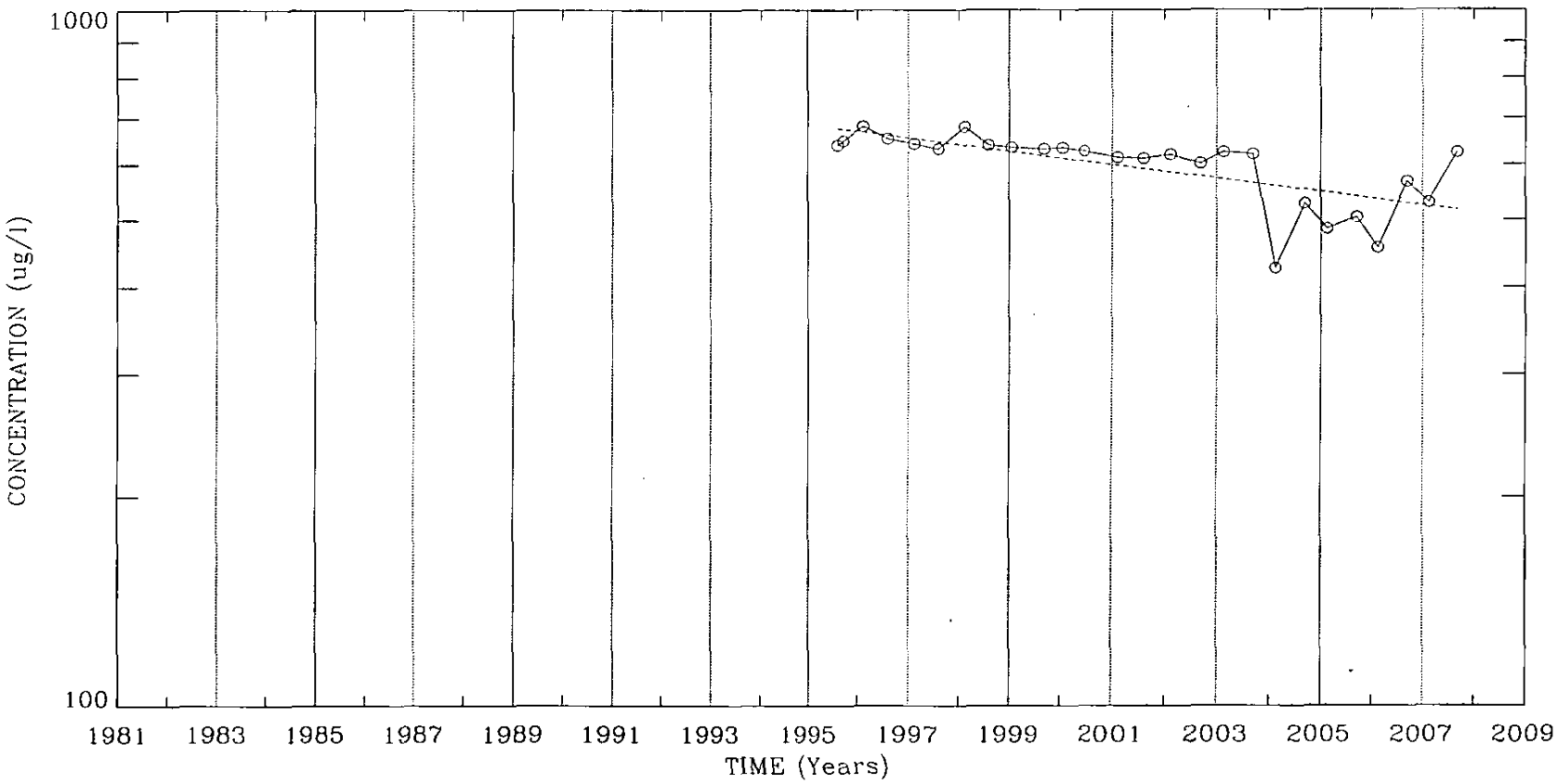

REGRESSION LINE EQUATION: $Y = 6.056E+003e^{-0.0232x}$

Well AT-26 UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



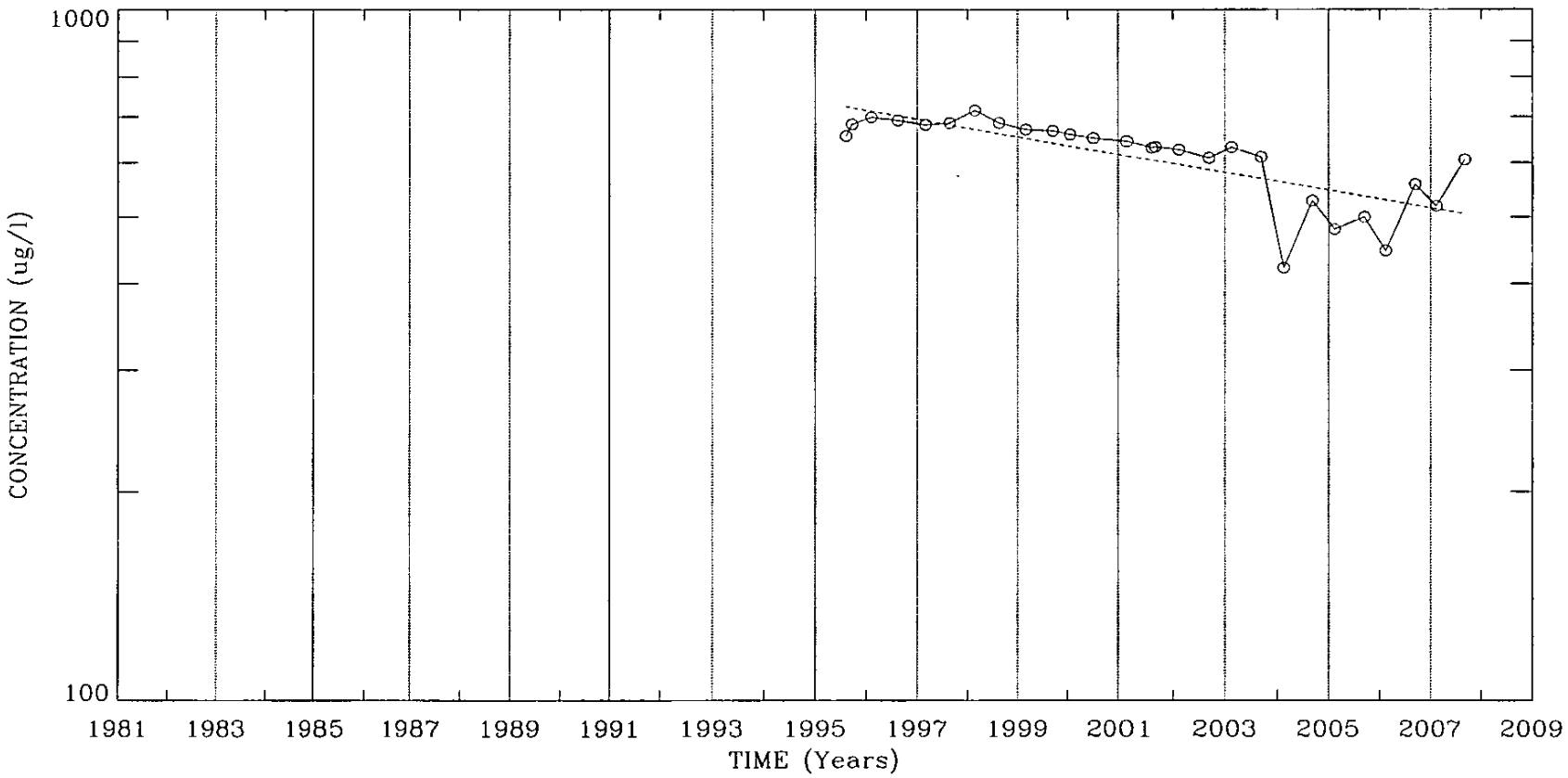

REGRESSION LINE EQUATION: $Y = 1.686E+003e^{-0.0104x}$

Well AT-27 UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



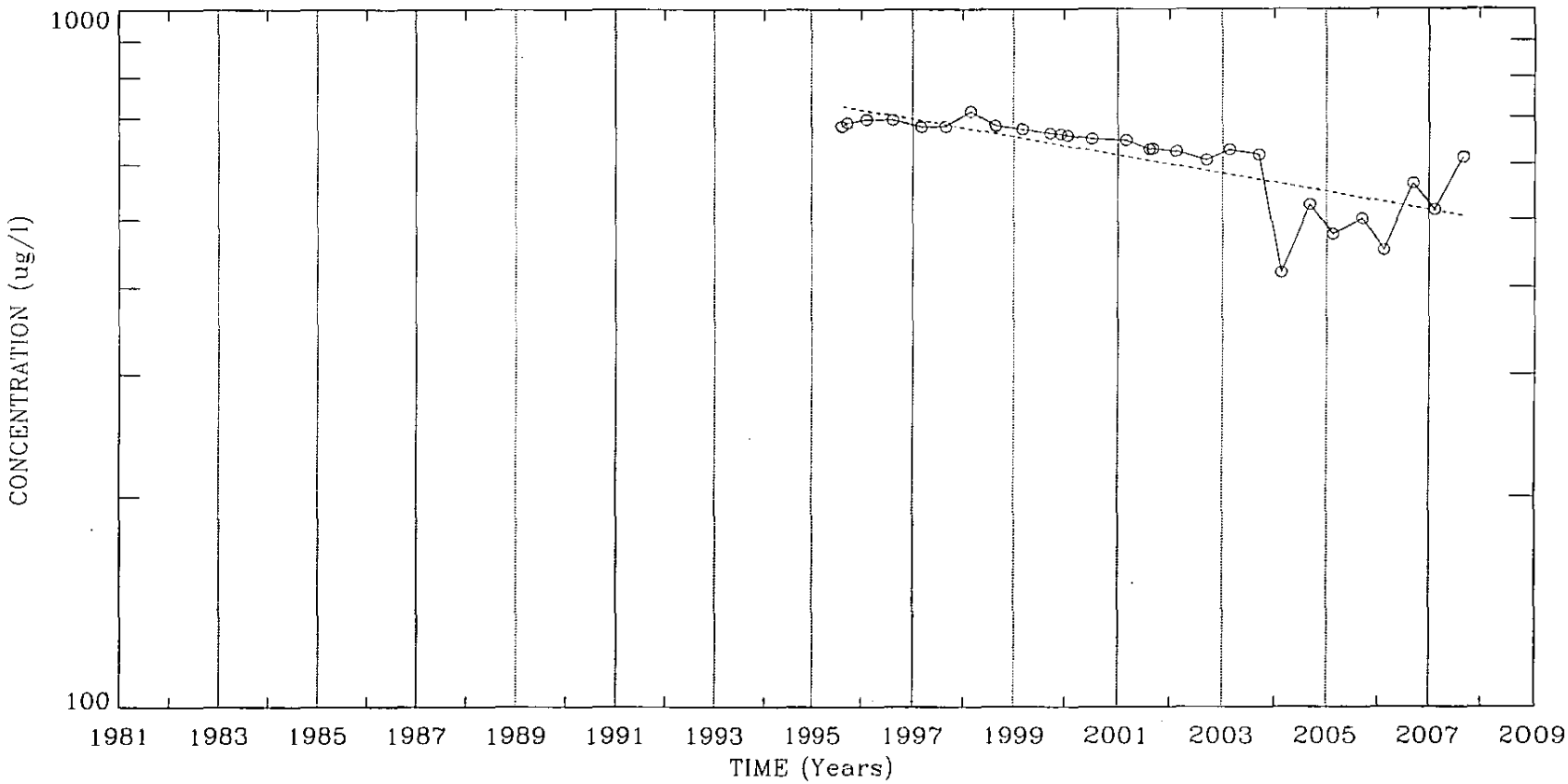

REGRESSION LINE EQUATION: $Y = 5.748E+003e^{-0.0224x}$

Well AT-28 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



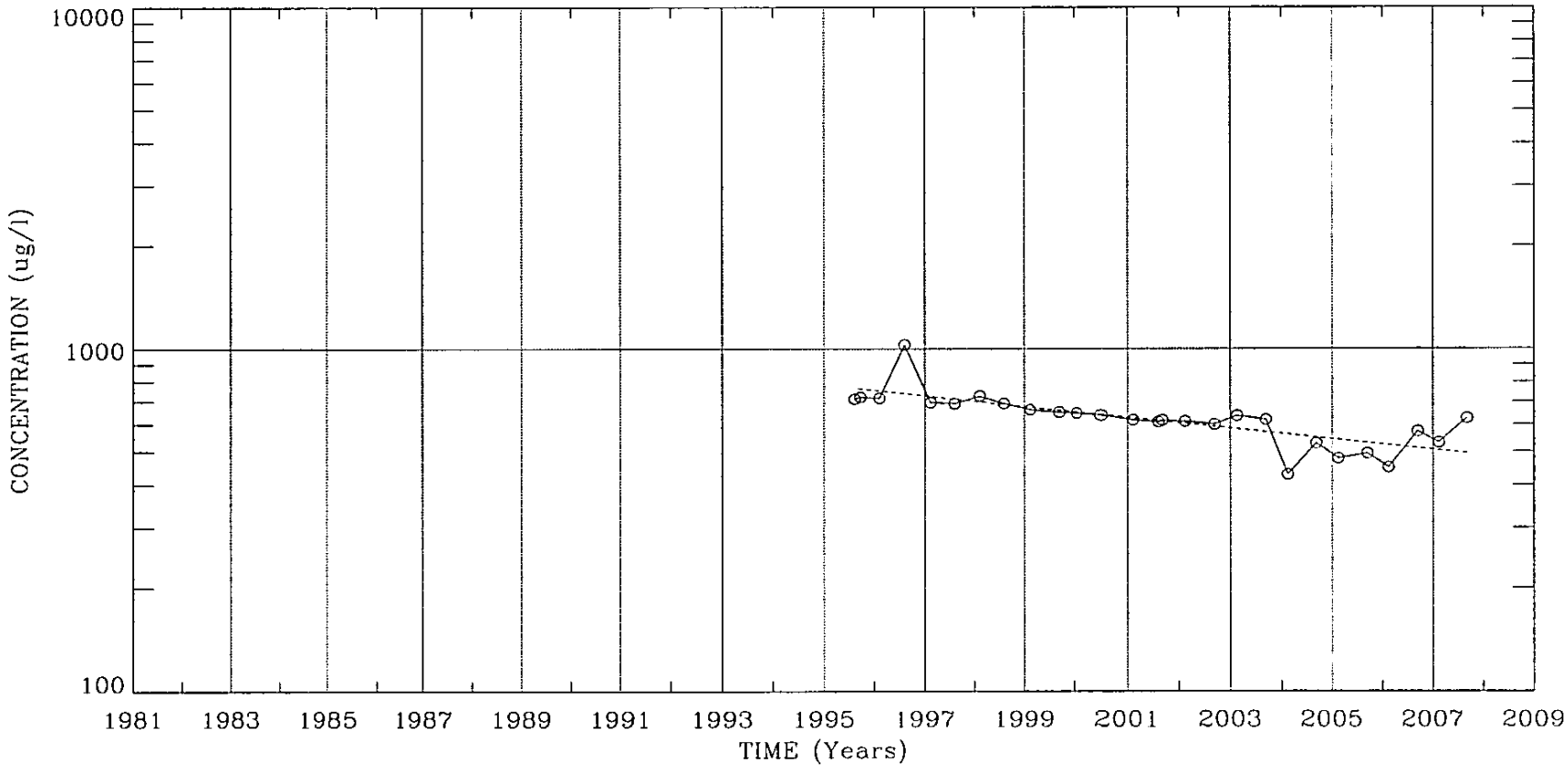

REGRESSION LINE EQUATION: $Y = 1.238E+004e^{-0.0297x}$

Well AT-29 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



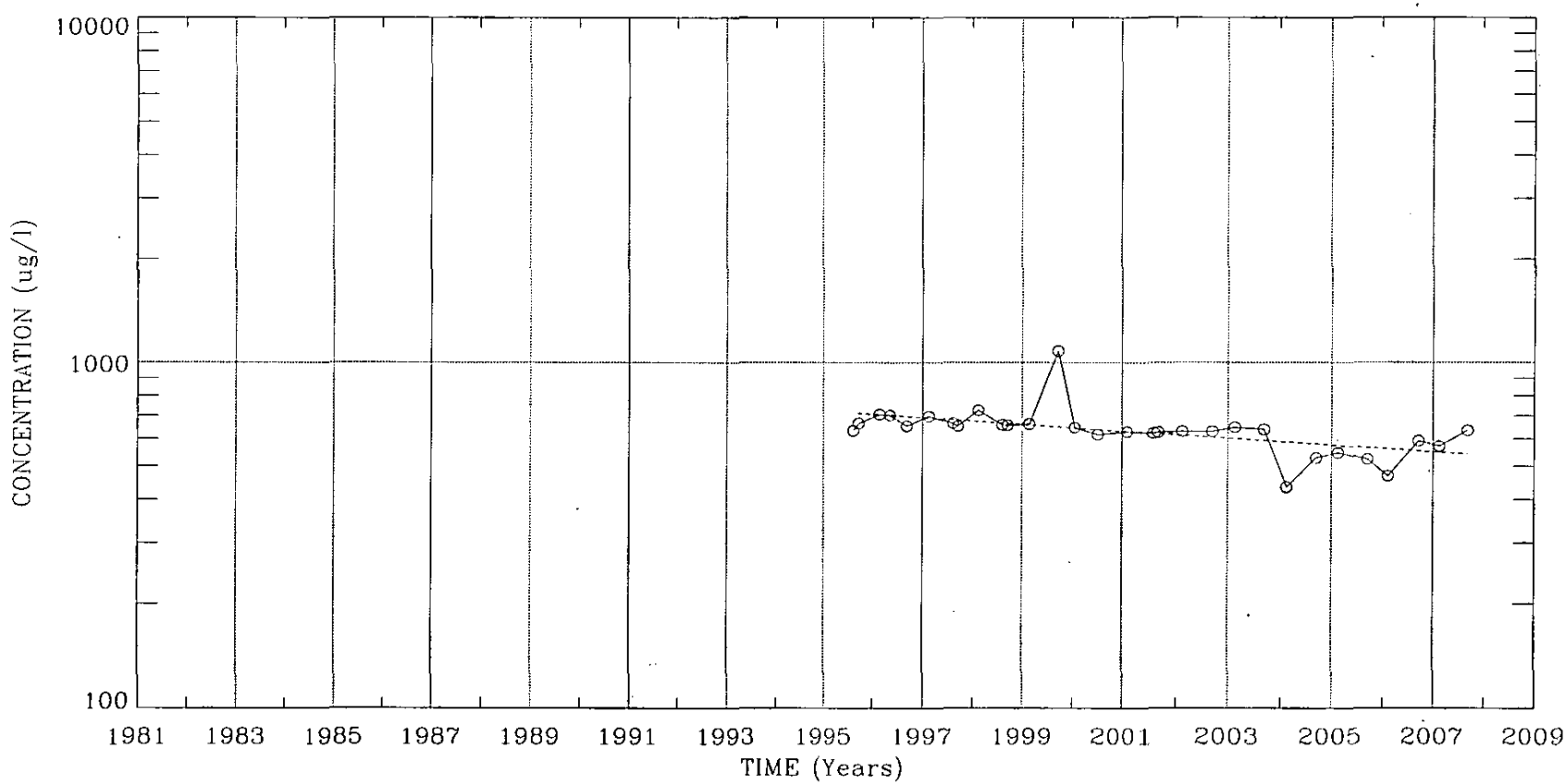

REGRESSION LINE EQUATION: $Y = 1.281E+004e^{-0.0300x}$

Well AT-30 UNIT 8
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



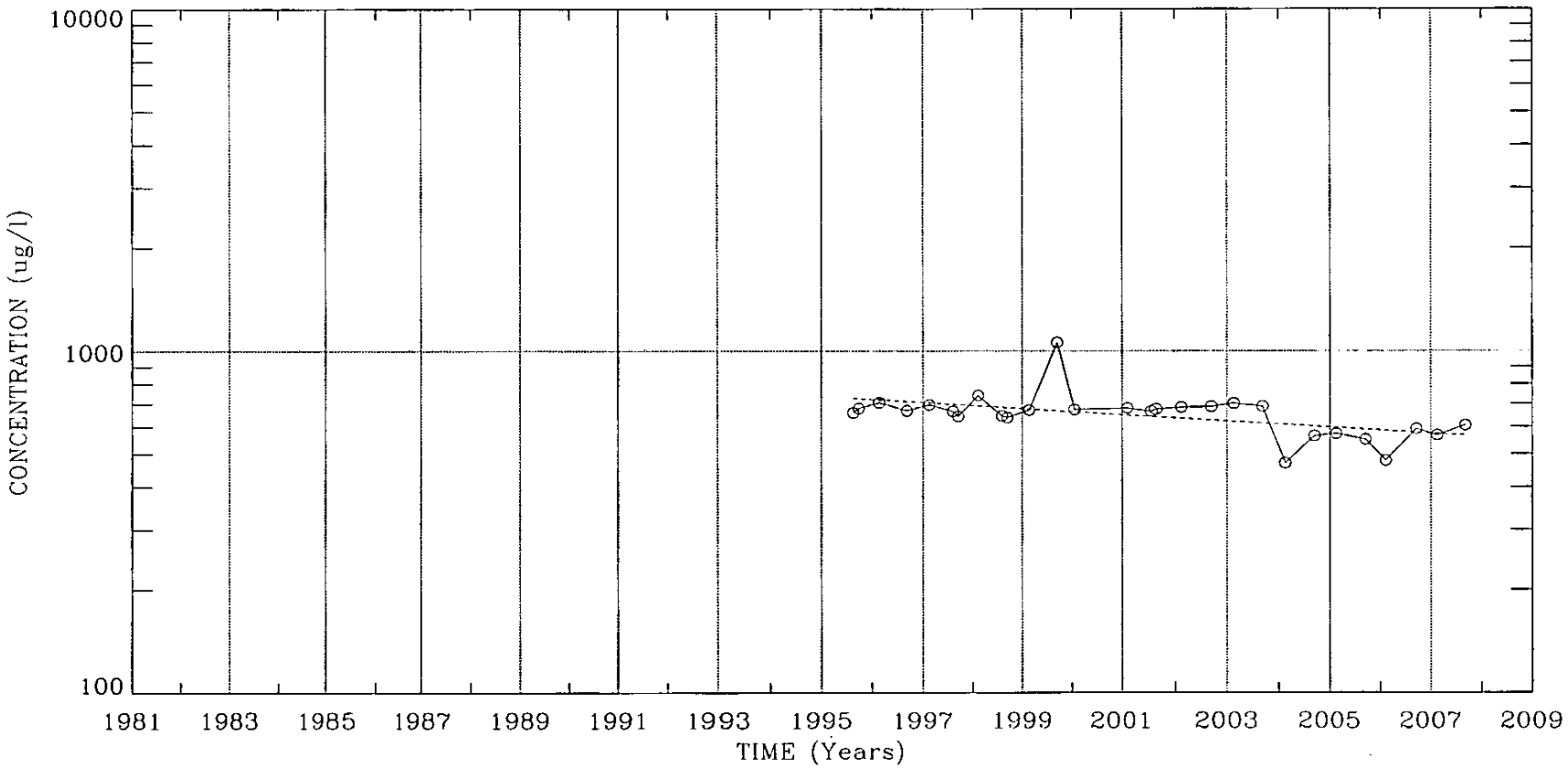

REGRESSION LINE EQUATION: $Y = 2.455E+004e^{-0.0363x}$

Well AT-31 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



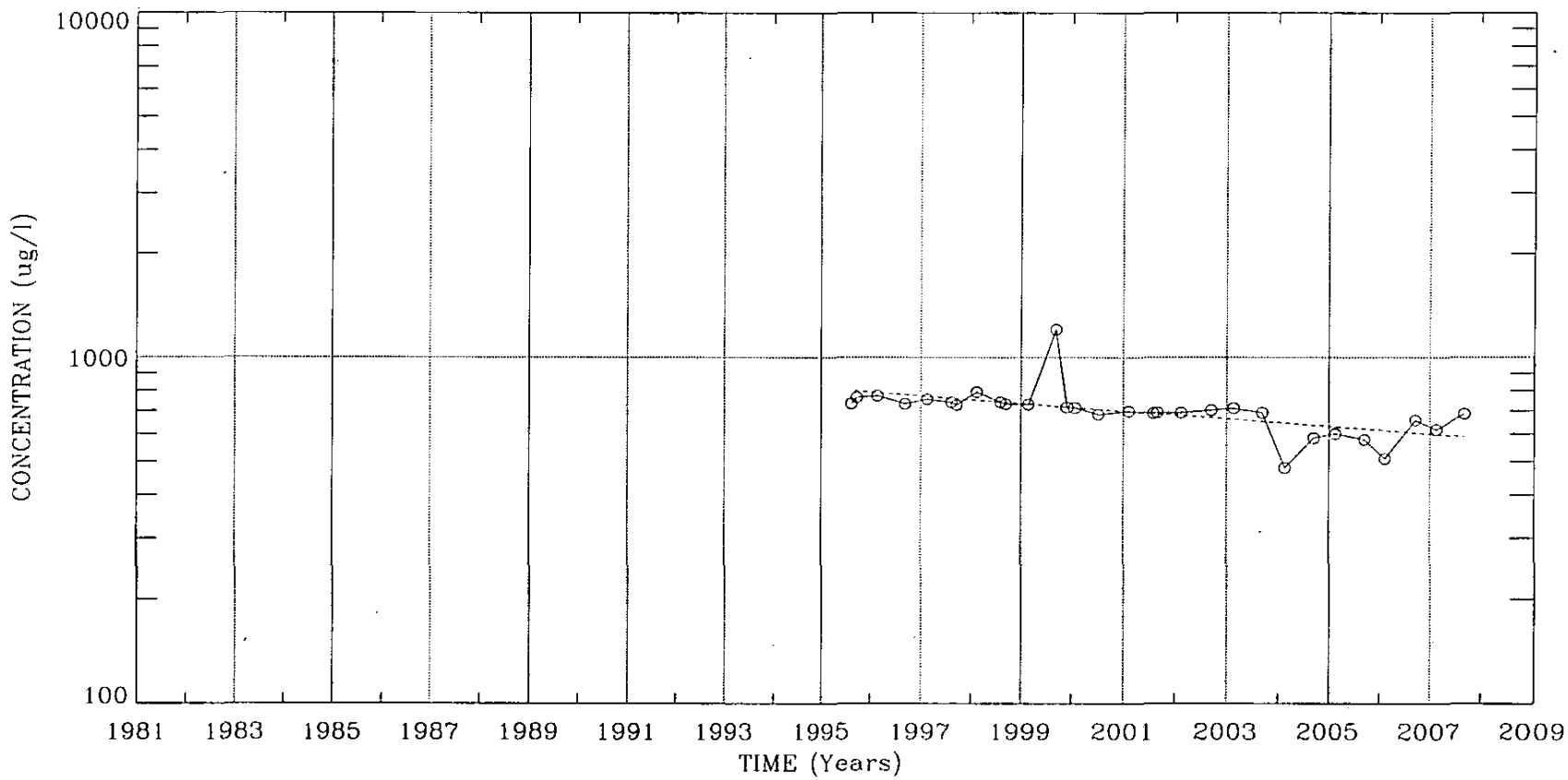

REGRESSION LINE EQUATION: $Y = 6.489E+003e^{-0.0231x}$

Well AT-32 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



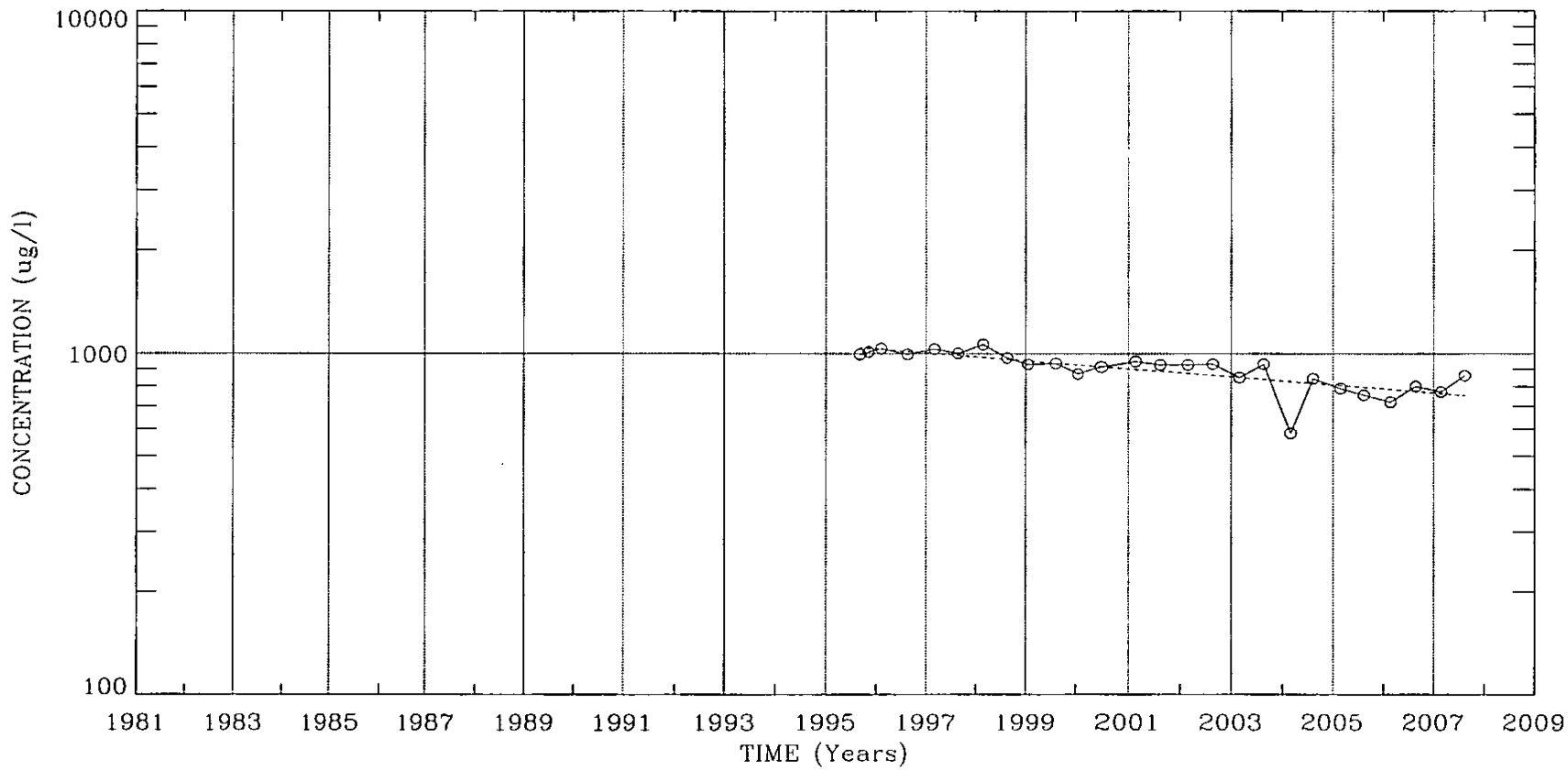

REGRESSION LINE EQUATION: $Y = 5.314E+003e^{-0.0208x}$

Well AT-33 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



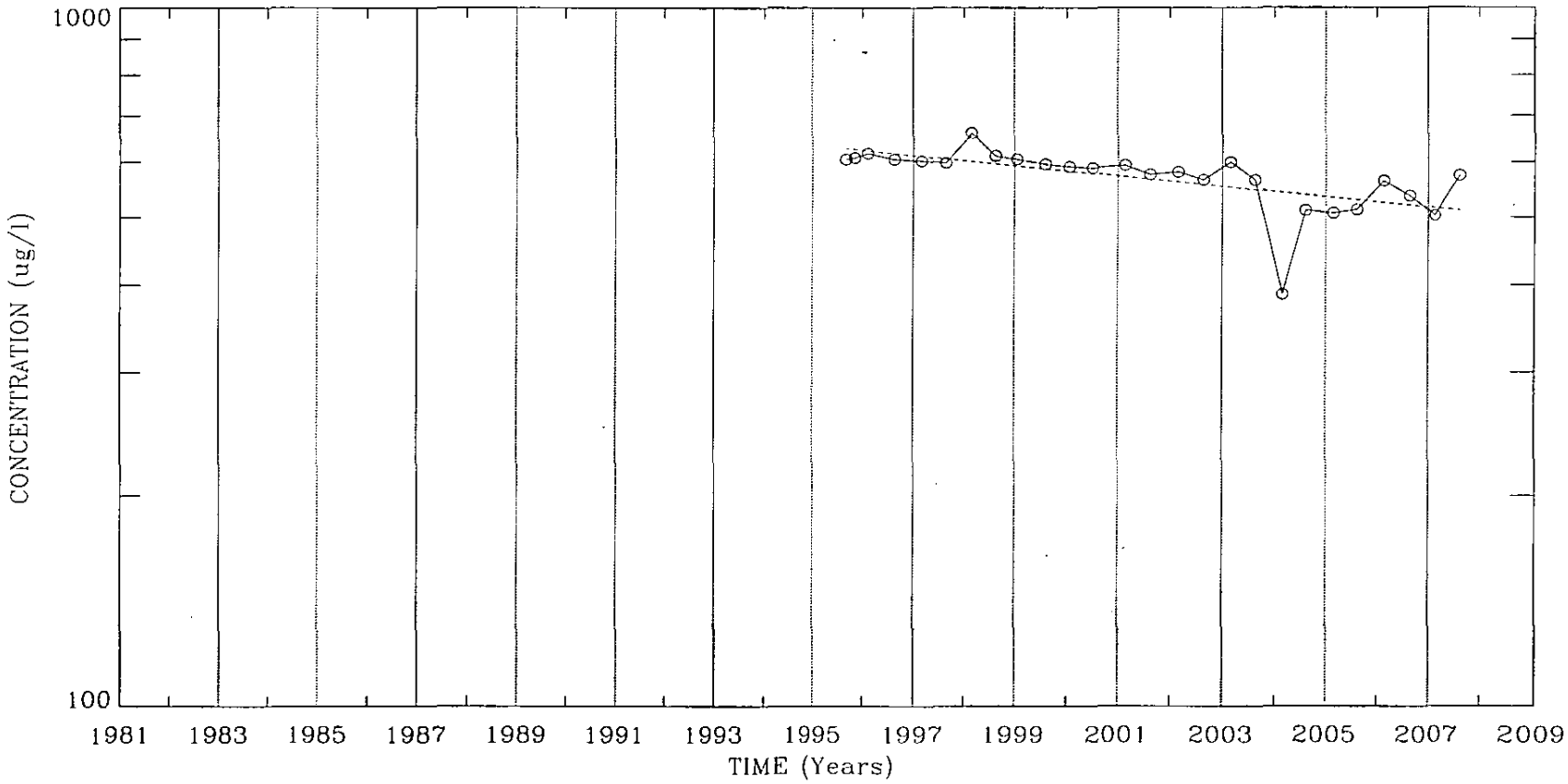

REGRESSION LINE EQUATION: $Y = 9.100E+003e^{-0.0254x}$

Well AT-34 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



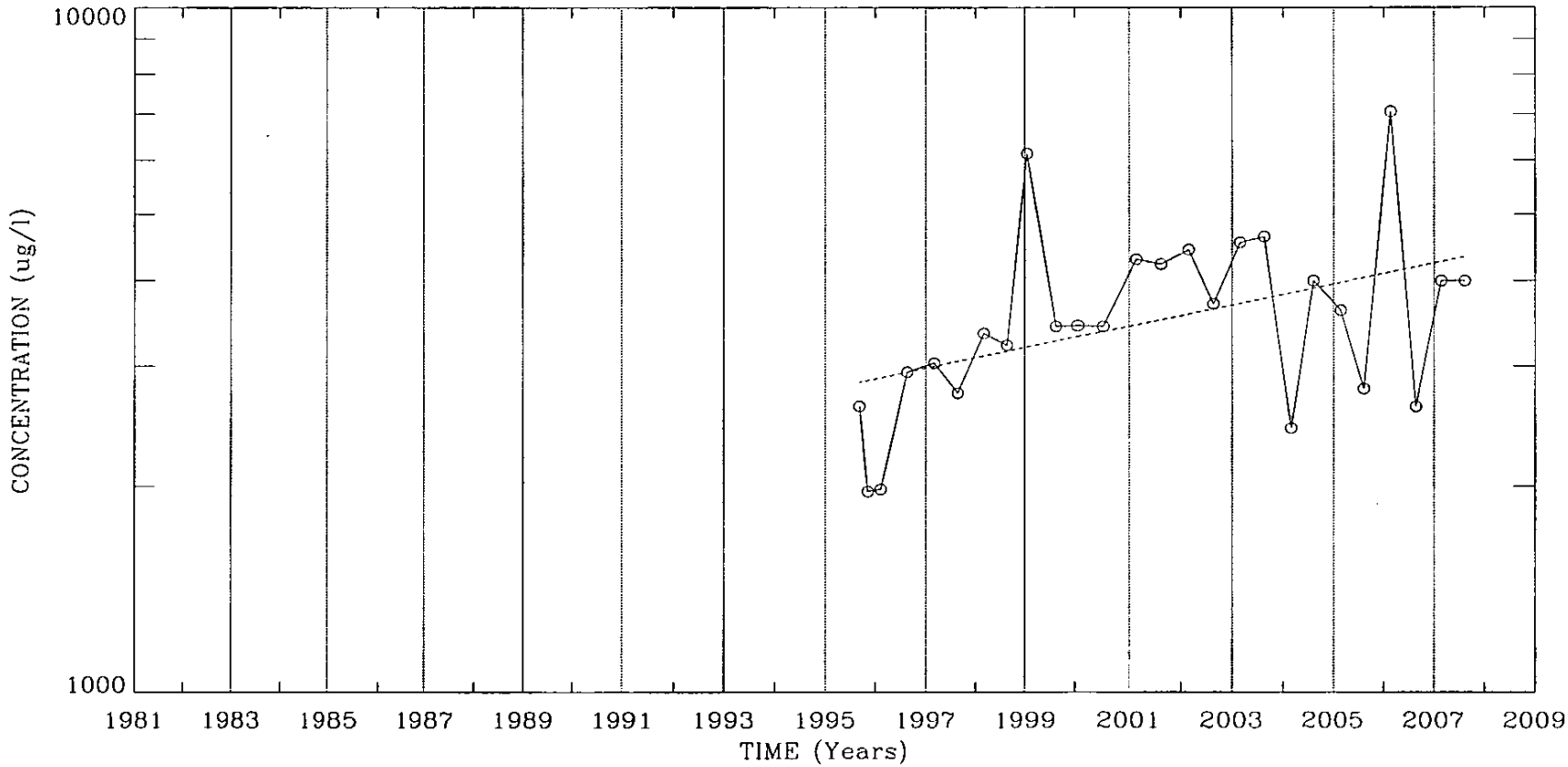

REGRESSION LINE EQUATION: $Y = 1.397E+004e^{-0.0271x}$

Well AT-35 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



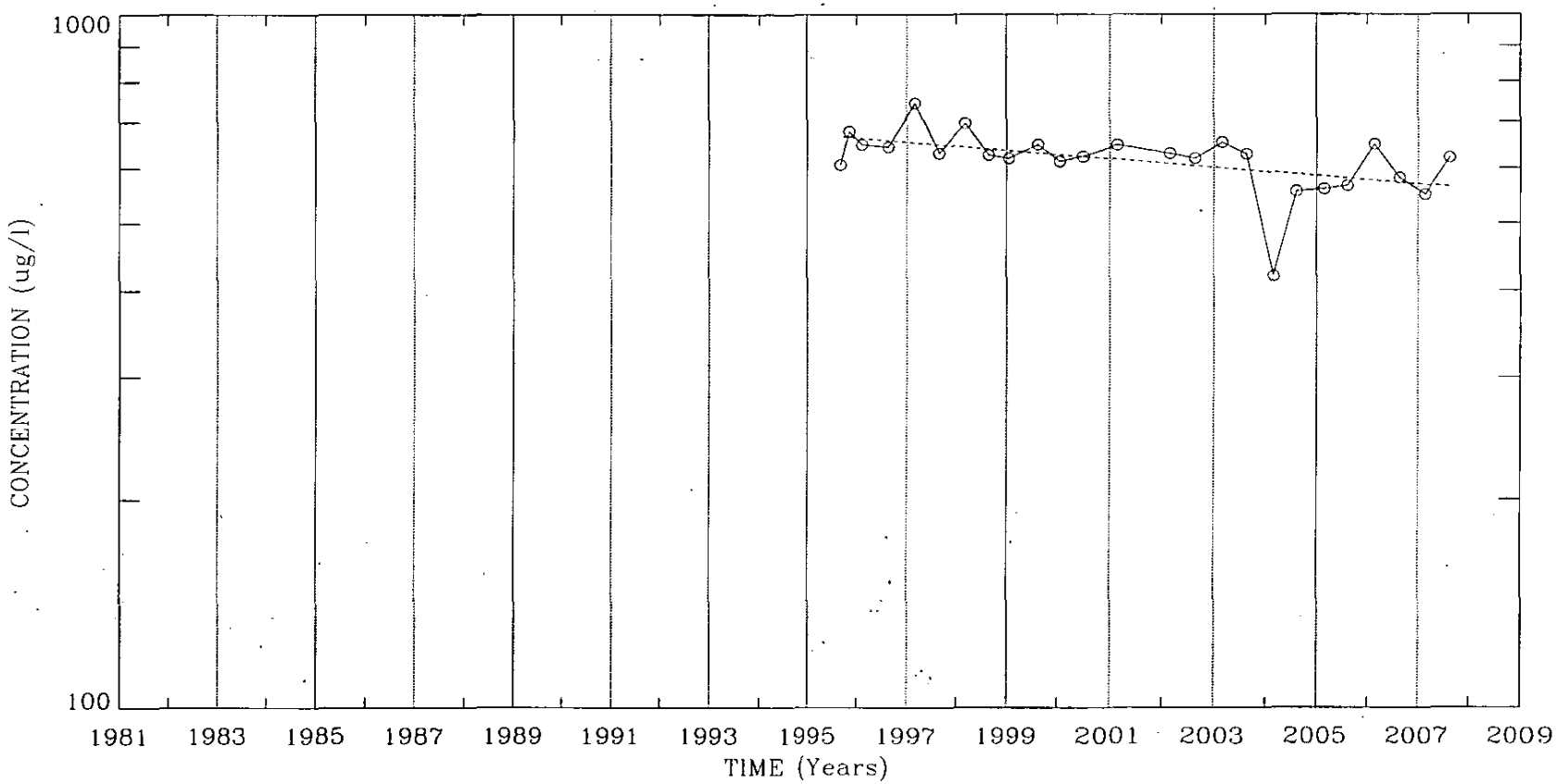

REGRESSION LINE EQUATION: $Y = 3.217E+003e^{-0.0171x}$

Well AT-36 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



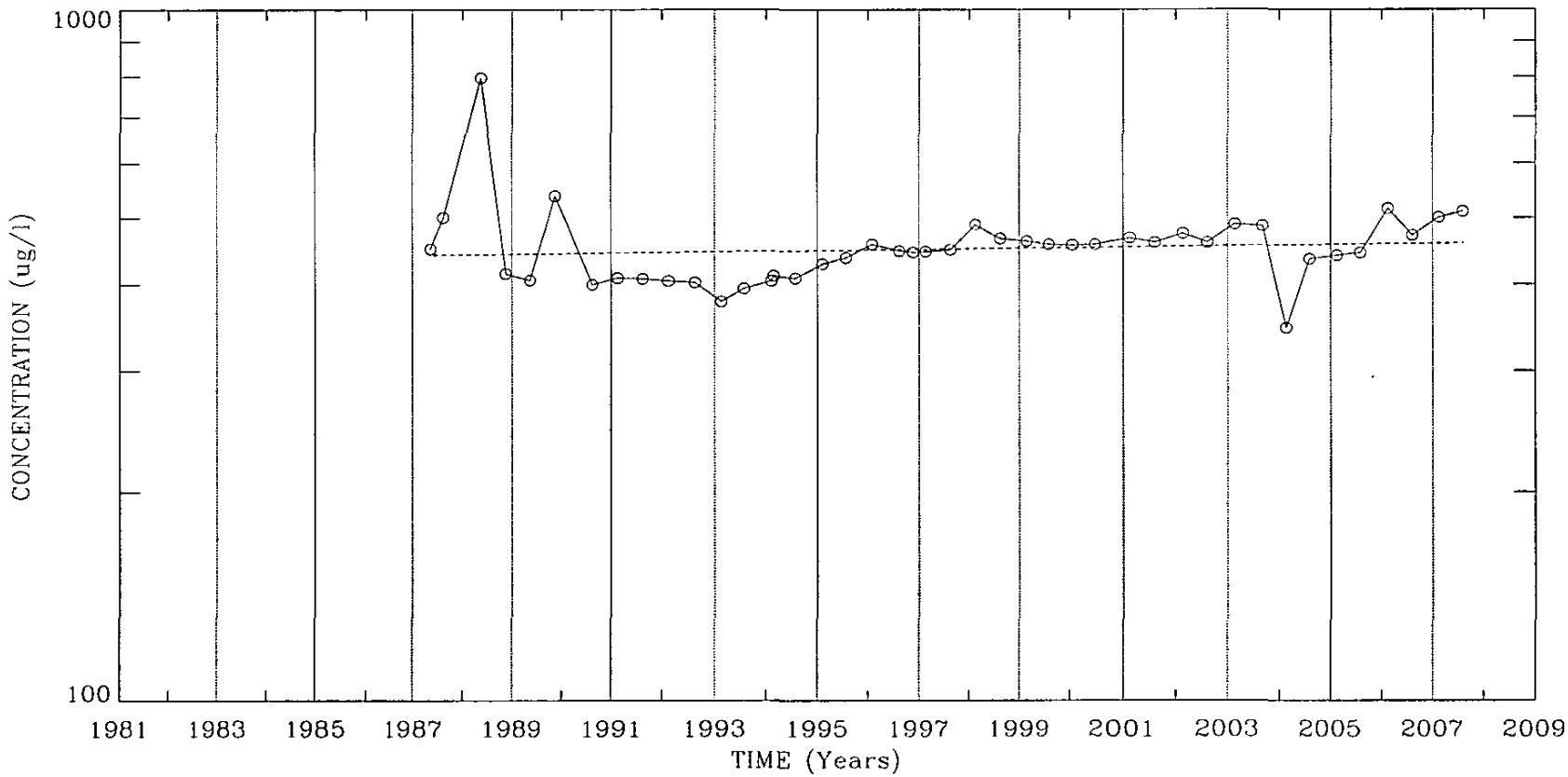

REGRESSION LINE EQUATION: $Y = 9.538E+001e^{0.0355x}$

Well AT-37 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



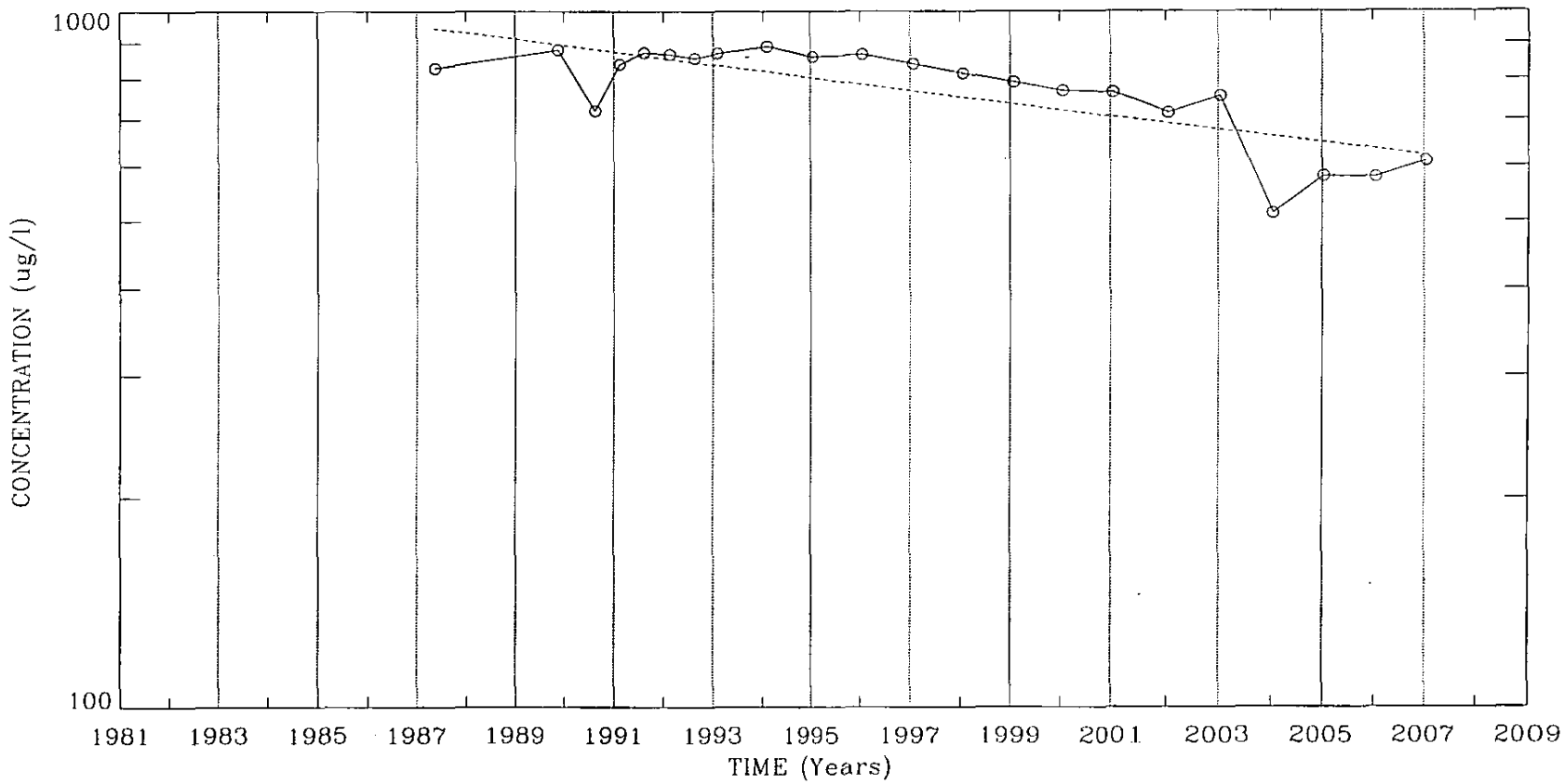

REGRESSION LINE EQUATION: $Y = 2.540E+003e^{-0.0140x}$

Well DM-03 UNIT 6
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



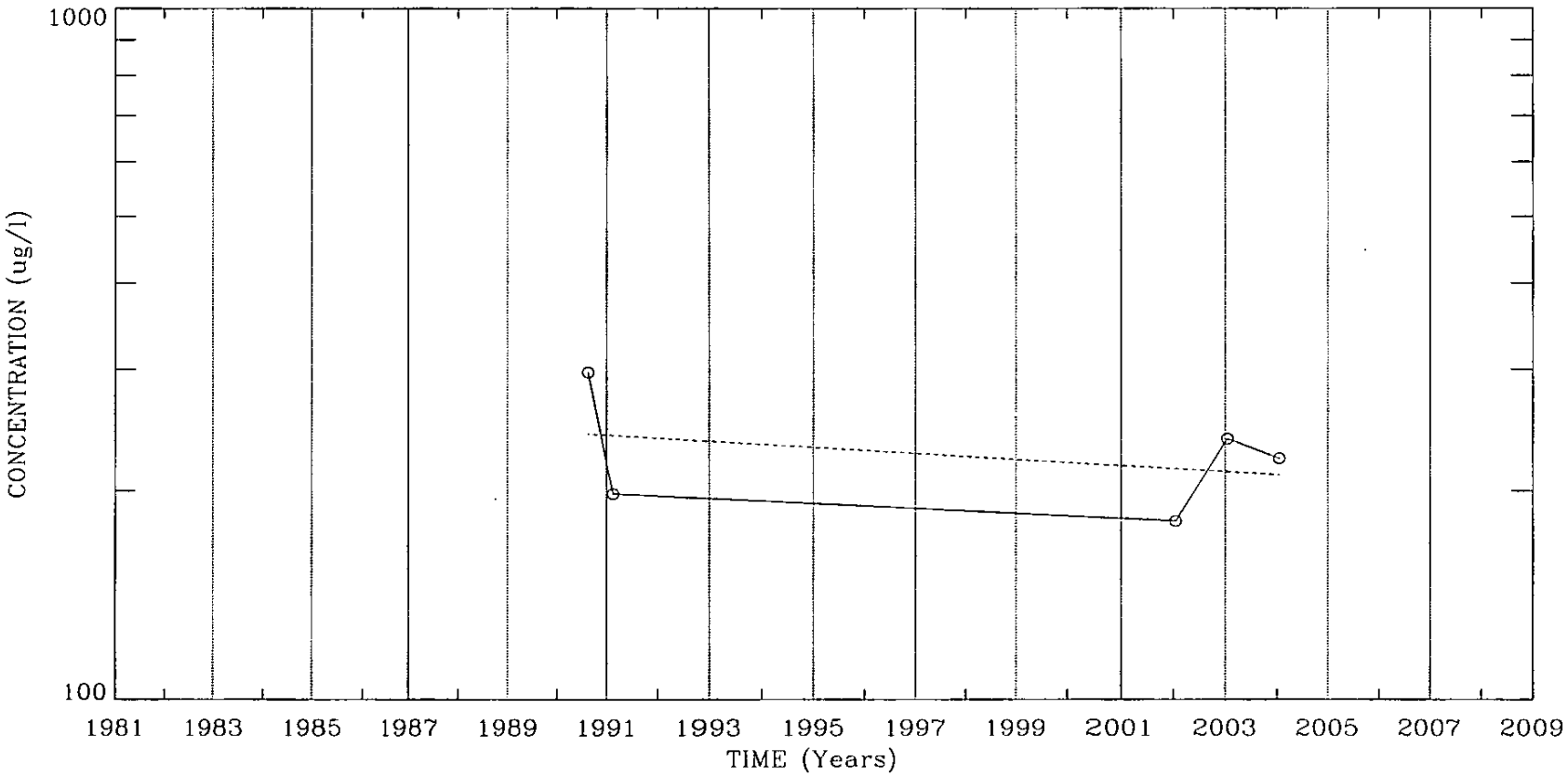

REGRESSION LINE EQUATION: $Y = 3.722E+002e^{0.0020x}$

Well OB-33 UNIT 4
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



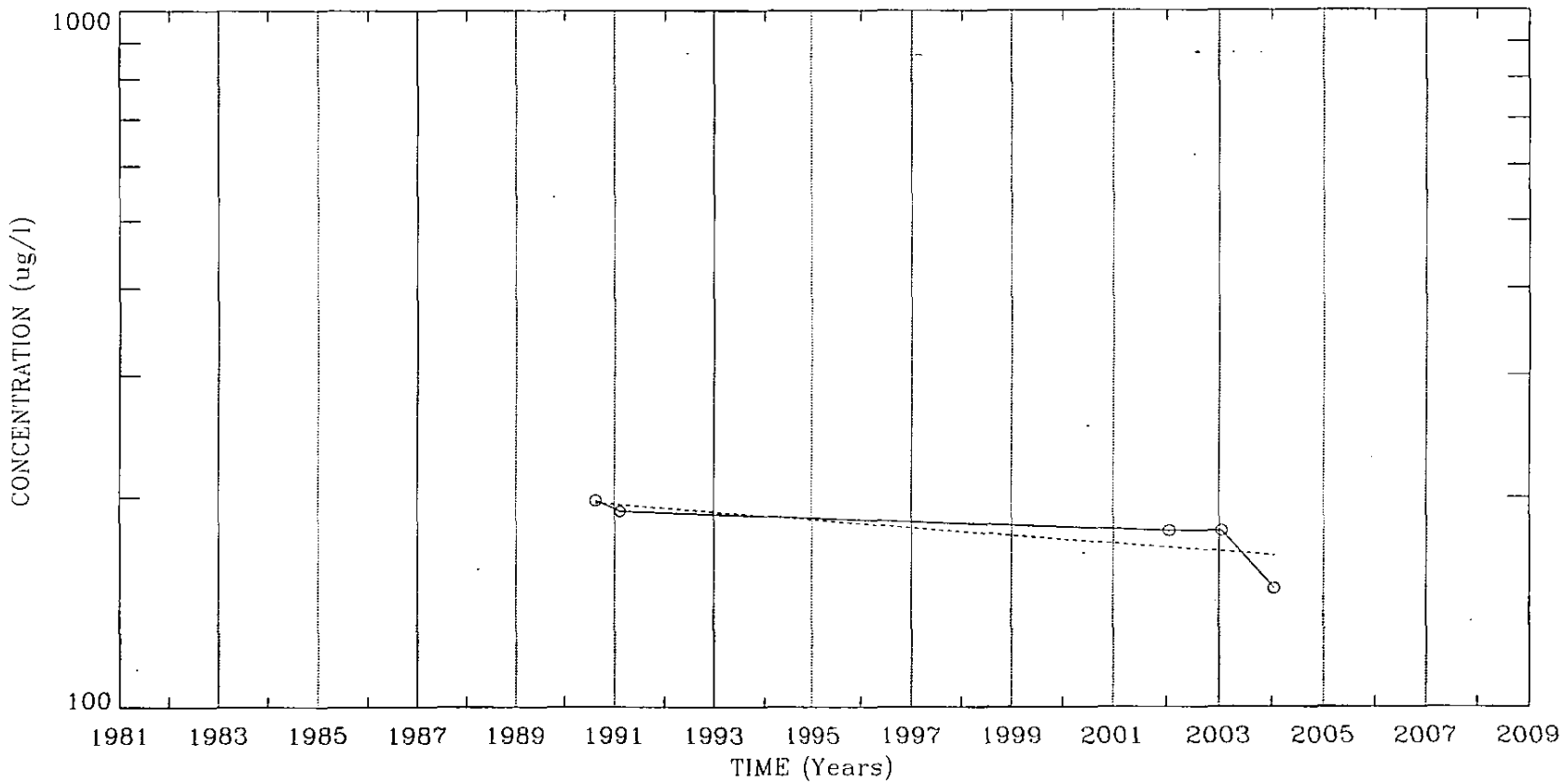

REGRESSION LINE EQUATION: $Y = 6.098E+003e^{-0.0213x}$

Well PROC#1
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



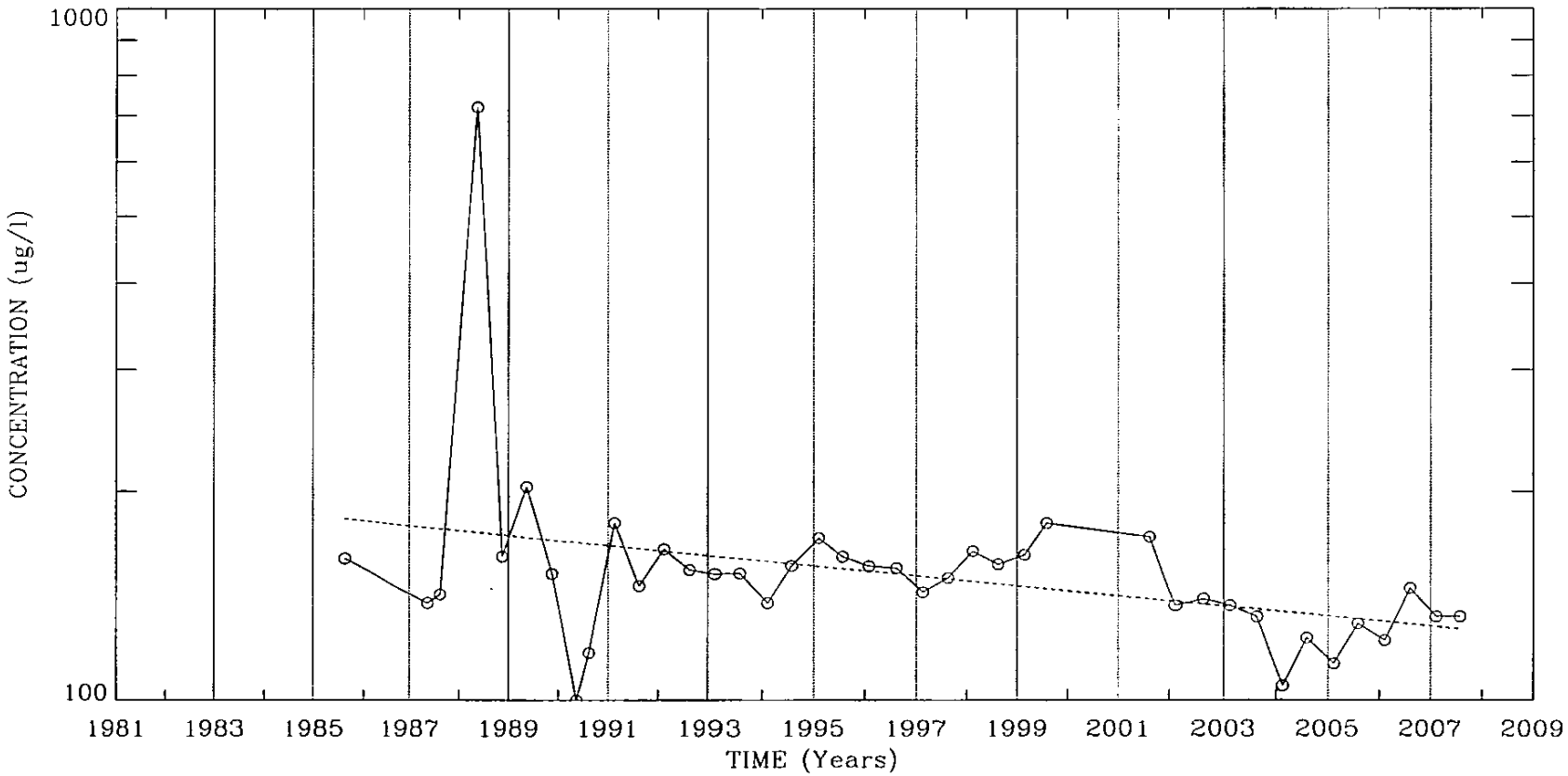

REGRESSION LINE EQUATION: $Y = 6.038E+002e^{-0.0101x}$

Well PROC#2
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



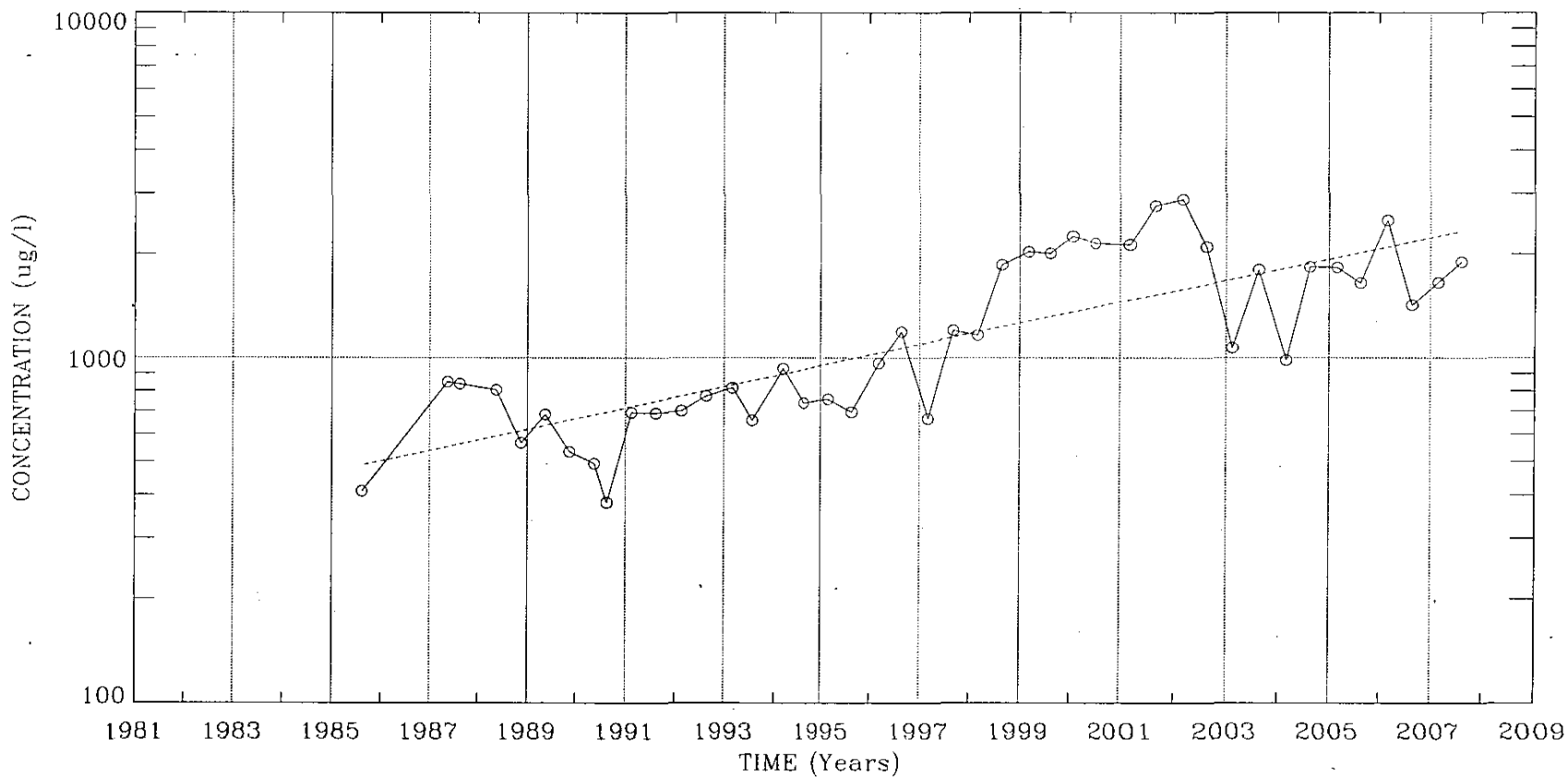

REGRESSION LINE EQUATION: $Y = 6.374E+002e^{-0.0130x}$

Well SM-02 UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



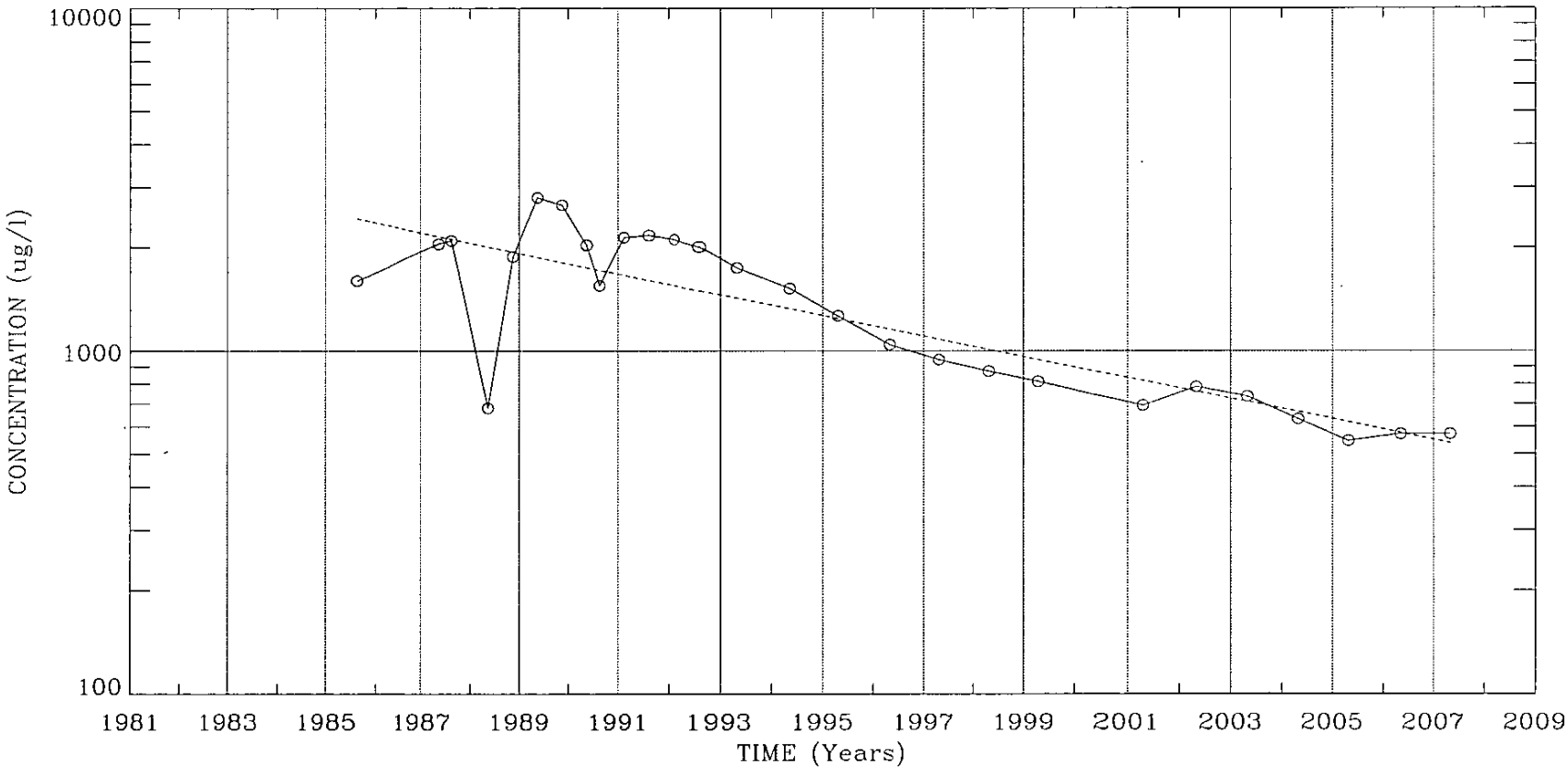

REGRESSION LINE EQUATION: $Y = 7.580E+002e^{-0.0166x}$

Well SM-03 UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC



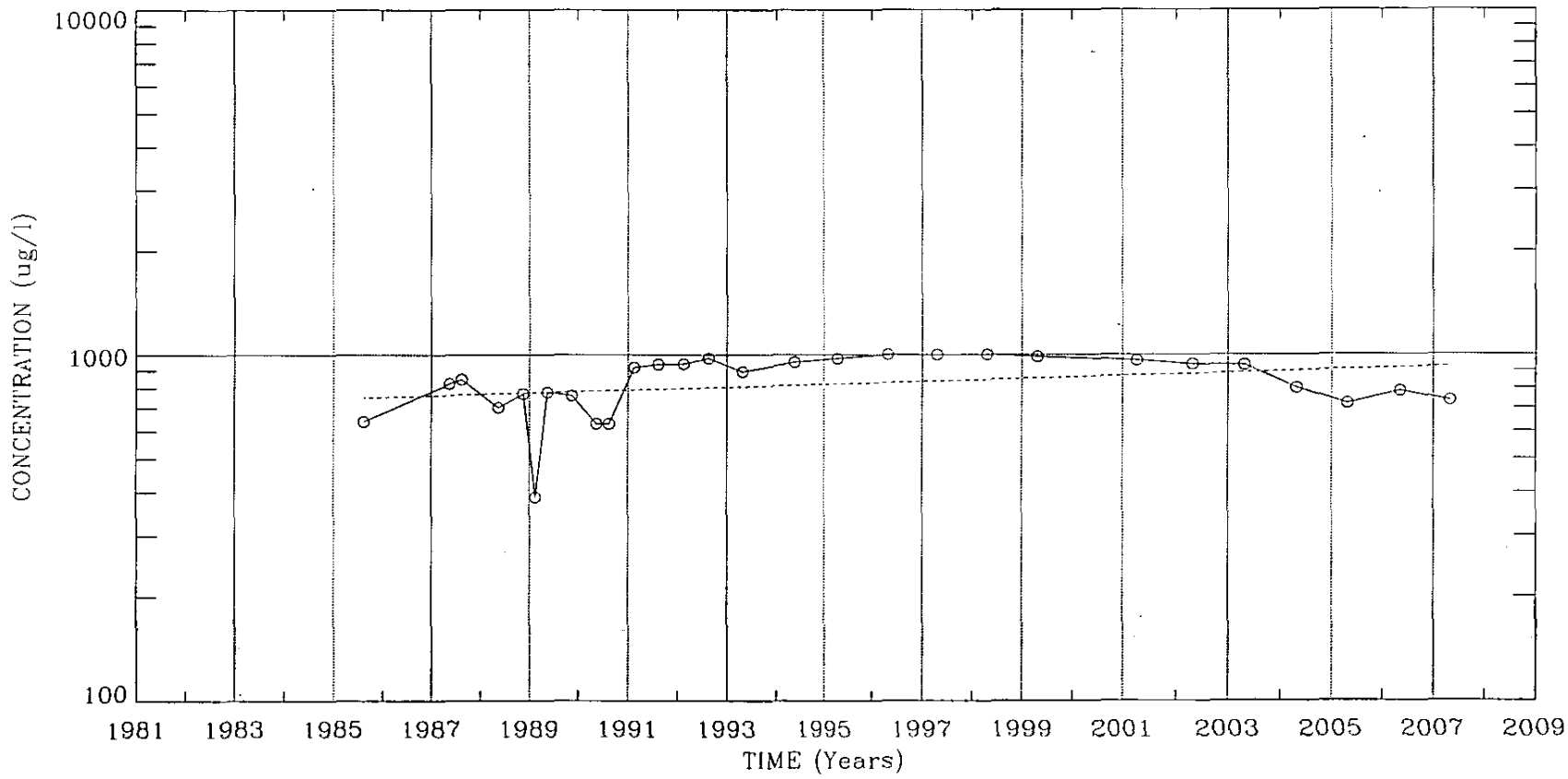

REGRESSION LINE EQUATION: $Y = 1.120E+0.00e^{0.0710x}$

Well SM-04 UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC




REGRESSION LINE EQUATION: $Y = 9.268E+005e^{-0.0694x}$

Well SM-05 UNIT 3
SPECIFIC CONDUCTANCE
Clean Harbors Baton Rouge, LLC




REGRESSION LINE EQUATION: $Y = 3.312E+002e^{0.0096x}$

# APPENDIX G

# CONTINGENCY PLAN

# TABLE OF CONTENTS


| | | PAGE |
|---|---|---|
| 1.0 | Scope | 1 |
| 2.0 | Introduction | 1 |
| 3.0 | Emergency Coordinator | 1 |
| 4.0 | Responding to an Emergency or Possible Emergency Situation | 2 |
| 5.0 | Responding to an Incident without Implementing the Contingency Plan | 4 |
| 6.0 | Implementing the Contingency Plan | 4 |
| 7.0 | Shutdown of Operations | 6 |
| 8.0 | Evacuation of Facility | 6 |
| 9.0 | Calling for Outside Help | 9 |
| 10.0 | Evacuation of Surrounding Areas | 10 |
| 11.0 | Discharge of Toxic or Hazardous Materials Off-Site | 11 |
| 12.0 | CH(BR) Emergency Response | 11 |
| 13.0 | Notification of Reportable Quantity Release | 13 |
| 14.0 | Decontamination | 13 |
| 15.0 | Responding to an Incident After Normal Working Hours | 14 |
| 16.0 | Follow-up Actions | 15 |
| 17.0 | Written Report | 15 |
| 18.0 | Contingency Plan Management / Maintenance of Equipment | 16 |

## ATTACHMENTS


| # | TITLE | PAGE |
|---|---|---|
| No. 1 | Personal Safety and Protective Equipment | 18 |
| No. 2 | Location of Self Contained Breathing Apparatus (SCBA) | 19 |
| No. 3 | Fire Water System | 20 |
| No. 4 | Location of Fire Extinguishers | 22 |
| No. 5 | Spill Containment and Cleanup Equipment | 27 |
| No. 6 | Alarm Signals | 28 |
| No. 7 | Arrangements with Local Authorities | 29 |


## FIGURES


| # | TITLE |
|---|---|
| No. 1 | Facility Plot Plan |
| No. 2 | Process Area Site Plan |
| No. 3 | Emergency Evacuation Routes and Assembly Points<br>Alarm Speakers Locations |
| No. 4 | Safety Shower Locations- Site Plan |
| No. 5 | Fire Water Protection Plan – Process Area |

# CONTINGENCY PLAN

## 1.0 SCOPE

The purpose of this Contingency Plan is to establish guidelines for the orderly, immediate response to emergency situations should they occur at Clean Harbors Baton Rouge, LLC herein referred to as CH(BR). The Plan is designed to minimize hazards to human health or the environment from fires, explosions, or releases of hazardous constituents to the air, soil, surface or ground water. This plan has been prepared in accordance with LAC 33:V.1513.

## 2.0 INTRODUCTION

The Contingency Plan will be implemented immediately when there is an imminent or actual incident that threatens human health or the environment. Such incidents are considered to be major emergencies.

A **Major Emergency** is defined as any explosion, fire, material release, or natural disaster which has destroyed or threatens to destroy facility property or impair operations, or which results in a discharge of waste materials into the environment and is beyond the capability of on-duty personnel to control.

A major emergency may originate from facility activity such as releases, fires, contractor work, chemical reaction, or from off-site activity such as an aircraft crash onto facility property, a fire or air release from neighboring property, or natural disasters.

A major emergency may occur at any time. For this reason, personnel are provided ongoing emergency training and must always be prepared. The first priority in any emergency situation will be the protection of human health and safety. Consequently, evacuating injured personnel from an emergency zone (when it is safe to do so) and securing medical treatment must always be a priority action. The same high priority must be given to protecting occupants of areas surrounding the facility if an emergency at CH(BR) constitutes an off-site threat.

The Contingency Plan establishes Emergency Procedures for CH(BR). A Facility Plot Plan *(Figure No. 1)* and a Process Area Site Plan *(Figure No. 2)* are attached. This plan also identifies the primary and secondary Emergency Coordinators. The Emergency Coordinator is responsible for deciding when to implement the Contingency Plan and for directing emergency control procedures.

## 3.0 EMERGENCY COORDINATOR

The Emergency Coordinator is responsible for deciding when to implement the Contingency Plan and for directing the emergency response procedures once the Contingency Plan is put into place. A CH(BR) Incident Command System includes a Primary Emergency Coordinator and alternate coordinators who assume responsibility if the primary coordinator is not available. At all times, there is an employee on-site at CH(BR) or on call who can

function as the Emergency Coordinator. He/she is familiar with all aspects of the Contingency Plan, all operations and activities at the facility, the location and characteristics of waste handled, the location of records, and the facility layout. The Emergency Coordinator has the authority to commit necessary resources to carry out the Contingency Plan.

The Emergency Coordinator and the alternate Emergency Coordinators listed in the order in which they will take command are as follows:

| **PRIMARY EMERGENCY COORDINATOR:** | **Home Address** |
|---|---|
| John C. Arbuthnot, Sr. Remediation Manager<br>13351 Scenic Highway<br>Baton Rouge, LA 70807<br>225-778-3596 | 17218 Sharpsburg Ave.<br>Baton Rouge, LA 70817<br>225-752-2927 |

| **FIRST ALTERNATE:** | **Home Address** |
|---|---|
| Tony Phillips, Plant Engineer<br>13351 Scenic Highway<br>Baton Rouge, LA 70807<br>225-778-3617 | 15253 Hidden Creek<br>Pride, LA 70770<br>225-261-5456 |

| **SECOND ALTERNATE:** | **Home Address** |
|---|---|
| Tammy Morton, Compliance Manager<br>13351 Scenic Highway<br>Baton Rouge, LA 70807<br>225-778-3625 | 10203 Springpark Ave<br>Baton Rouge, LA 70810<br>225-761-0011 |

## 4.0 RESPONDING TO AN EMERGENCY OR POSSIBLE EMERGENCY SITUATION

**4.1** Any person who observes or otherwise detects an emergency or possible emergency situation shall immediately:

A. Warn others working nearby.
B. Notify his/her supervisor.

**4.2** The employee or his/her supervisor shall immediately inform the Emergency Coordinator, providing the following information:

A. Employee name;
B. Location of emergency;
C. Type of emergency (Fire, Spill, Injury, etc.);
D. Materials involved or threatened to be involved; and

E. Type of help needed: Fire Fighting Equipment/Personnel, Ambulance, Rescue, etc.

**4.3** The Emergency Coordinator shall immediately:

A. Determine which of the following actions to implement:

1) Respond to the emergency or potential emergency on-site without implementing the Contingency Plan.
2) Implement the Contingency Plan.
3) Shut down operations.
4) Evacuate the facility.
5) Call for outside assistance.
6) Contact appropriate local authorities if evacuation of local areas off-site appears advisable.

B. If there is a release, fire, or explosion:

1) Identify the following information for any released material:

a) Character;
b) Exact source;
c) Amount;
d) The extent of any released material; and
e) Possible hazards to human health and the environment.

Make the determination based on observation, review of facility records or manifests, and if necessary by chemical analysis. Use Waste Profiles, Waste Safety Sheets (WSS) and the waste tracking system to identify materials in tanks and drums. In addition, the General Manager or other knowledgeable personnel will provide assistance in identifying materials on-site.

2) Consider both direct and indirect effects of the release, fire, or explosion. (For example, the effects of a fire and the effects of hazardous surface water run-off from water or chemical agents used to control the fire).

a) Ensure that the incident does not cause an additional release, fire, or explosion; and that an incident does not recur or spread.
b) Respond, when necessary, by stopping processes and operations, collecting and containing released materials, and removing or isolating containers.
c) Do not treat, store, or dispose of waste that may be incompatible with a released material until clean-up

procedures are complete.

3) Notify authorities of a Reportable Quantity release on-site, if applicable.

4) Notify authorities of an off-site release, if applicable.

**4.4** The following figures are attached for aiding in a quick response to an incident.

| Figure Number | Name |
|---|---|
| 1 | Facility Plot Plan |
| 2 | Process Area Site Plan |
| 3 | Emergency Evacuation Routes and Assembly Points |
| 4 | Safety Shower and Alarm Locations |
| 5 | Fire Water Protection Plan |

## 5.0 RESPONDING TO AN INCIDENT WITHOUT IMPLEMENTING THE CONTINGENCY PLAN

The Emergency Coordinator will determine whether or not to implement the Contingency Plan. If the Emergency Coordinator determines that an imminent or actual incident does not threaten human health or the environment, he/she may determine that it is not necessary to implement the Contingency Plan.

If the Emergency Coordinator determines that the Contingency Plan will not be implemented, he/she will direct personnel to take action in accordance with Standard Work Procedures for responding to incidents. If the Contingency Plan is not implemented, there is not a need for total shutdown of operations, evacuation of the plant, or outside assistance.

## 6.0 IMPLEMENTING THE CONTINGENCY PLAN

The Emergency Coordinator will determine whether to implement the Contingency Plan. The Emergency Coordinator will implement the Contingency Plan when an imminent or actual incident could threaten human health or the environment.

**6.1** The Emergency Coordinator will implement the Contingency Plan when there is a release, fire, explosion, natural disaster, and/or any incident that is a threat to human health or the environment. One or more of the following incidents require implementation of the Contingency Plan if they threaten human health or the environment:

A. Release

1) A release of flammable liquids or vapors that could cause a fire or explosion;
2) A release of toxic liquids or fumes;
3) A release contained on-site with the potential for groundwater contamination;
4) A release that cannot be contained on-site (Off-site releases may be to the soil, surface water, groundwater, and/or air).

B. Fire and/or Explosion

1) A fire with a release of toxic fumes which may impact off-site areas;
2) A fire that could ignite materials on-site or could cause heat-induced explosions;
3) A fire that threatens to spread off-site;
4) Use of water and/or chemical fire suppressant that could result in contaminated runoff that cannot be contained;
5) Imminent danger of an explosion (An explosion causes a safety hazard of flying fragments or shock waves);
6) Imminent danger of an explosion that could ignite other materials;
7) Imminent danger of an explosion that could cause a release of toxic materials;
8) An explosion has occurred.

C. Natural Disaster

1) Hurricane - A hurricane is within 100 miles of and is moving toward Baton Rouge;
2) Tornado - A tornado has been sighted within a five-mile radius of the facility;
3) Flooding - On-site flooding is possible; however, the facility is located above the 100-year flood plain.

**6.2** When the Emergency Coordinator implements the Contingency Plan, he/she may direct one or more of the following responses:

A. Shut down operations;
B. Evacuate the plant;
C. Call for outside assistance;
D. Contact appropriate authorities if evacuation of local areas off-site appears advisable.

## 7.0 SHUTDOWN OF OPERATIONS

The Emergency Coordinator will determine when to shut down operations. A shutdown must take place when the Emergency Signal is sounded and/or when directed either by the Emergency Coordinator, radio, or public address system. A shutdown will occur prior to an evacuation.

The Emergency Coordinator, or designee, will monitor for leaks; pressure build-up; gas generation; or ruptures in valves, pipes, or other equipment, whenever appropriate during a shutdown.

Area operating personnel are responsible for shutting down operations as follows:

**7.1** Tank Farm
- A. Shut down all truck unloading and material pumping.
- B. Close block valves on the storage tanks.
- C. Close block valves on trucks.

**7.2** Maintenance and Contracting Operations
Shut down all machinery.

**7.3** Laboratory
Shut down all instruments, burners, and other sources of ignition.

**7.4** Wastewater Treatment
Shut down the system if directed to do so.

**7.5** Landfill Leachate
Shut down landfill leachate pumping.

**7.6** Groundwater Recovery System
Shut down Groundwater Recovery/Interceptor Wells.

**7.7** Rail Car Unloading Area
- A. Shut down all unloading and material pumping.
- B. Close valves and domes.

## 8.0 EVACUATION OF FACILITY

**8.1** General Procedures

Evacuation may include either a total or a partial evacuation of the facility. In either

event, the Emergency Coordinator will determine whether to evacuate the facility by evaluating the extent of a release, fire, explosion, natural disaster, or other emergency, and the accompanying risks to personnel. Evacuation will take place under the direction of the Emergency Coordinator as follows:

A. The Emergency Coordinator will notify the affected personnel of the emergency situation by radio, telephone, or by public address system.

B. The Emergency Alarm will be sounded. The alarm system is defined by signal specific alarms. There are three different alarms. The fire alarm is a climbing steady wail that levels out and continues without any break. The spill or release alarm is a climbing pulse wail that levels out ant then continues to pulse. The evacuation alarm is a wave alarm that is a climbing and falling wail that continues without break. Attachment 6 describes the Alarm Signals.

C. The Emergency Alarm will be accompanied by evacuation procedures. Evacuation procedures will be announced verbally over an two-way radio, public address system, or in person as conditions warrant.

D. Upon notification that an evacuation is necessary, all employees, contractors, and visitors will immediately proceed to the appropriate CH(BR) Assembly Point as described in Section 8.2 below and as shown on *Figure No. 3*.

The Emergency Coordinator may not immediately proceed to an Assembly Point.

E. The security personnel will take the necessary steps to prevent further entrance of visitors, contractors, or trucks into the facility. The guard will allow entrance to and provide directions to any outside help that arrives at the entrance gate.

F. At the Assembly Point(s), Immediate Supervisors will be responsible for CH(BR) personnel under their supervision. Employees who have visitors on-site will be responsible for the visitor(s). Contract coordinators will be responsible for the contract workers. Area Supervisors will be responsible for any truck drivers who are loading or unloading in their area of supervision.

G. If the Immediate Supervisors, employees with visitors, Contract Coordinators, and Area Supervisors are unable to account for personnel at the Assembly Point(s), they will use the public address system, in-plant radio, or telephone to advise the personnel to evacuate.

H. Once employees, visitors, contractors, and truck drivers have reported to the Assembly Point(s), a count will be conducted for each group. The Highest Ranking Supervisor or Manager will prepare a list of all personnel at the

Assembly Point(s). The security guard will provide a list of all visitors and will aid in accounting for contractors and truck drivers by reference to the sign-in sheets.

I. Upon completion of the employee list, the Highest Ranking Supervisor will advise the Emergency Coordinator of any personnel remaining in the facility. All other personnel will remain at the Assembly Point(s).

J. Designated Emergency Response personnel will provide a written list at the Assembly Point(s) that contains the names of any Emergency Response personnel remaining in the facility.

K. No one will re-enter emergency areas to attempt to find persons not accounted for if it will endanger life to re-enter.

L. The Emergency Coordinator will make a final count and assessment of persons.

M. Qualified on-site personnel at the Assembly Point(s) will provide First Aid to personnel as necessary. On-site personnel will call Emergency Medical Service (911) should additional medical attention be required.

N. If the Emergency Coordinator orders a total evacuation of the facility, evacuation will be directed through the main gate as the primary exit, and through the northeast gate as the secondary exit. Instructions will be given to use an alternative evacuation route if necessary.

O. In the event of a total facility evacuation, no person shall remain in the facility or re-enter the facility unless the Emergency Coordinator or designee authorizes this action. Those remaining in the facility will normally include the Emergency Coordinator and any personnel designated by the Emergency Coordinator.

**8.2** Assembly Points

A. Primary and Secondary Assembly Points listed below. Upon hearing the Emergency Alarm, personnel will immediately:

1) Assemble at the assigned Primary Assembly Point, unless conditions prohibit either traveling to or assembling at that point.

2) Assemble at the assigned Secondary Assembly Point only if conditions prohibit either traveling to or assembling at the Primary Assembly Point.

The Emergency Coordinator, Safety Manager, or designee will determine if

an assembly point is unsafe. If both the Primary and Secondary Assembly Points are not safe, a third assembly point will be designated by the Emergency Coordinator, Safety Manager, or designee.

B. When traveling to an Assembly Point, all personnel should:

1) Exercise caution, noting the wind direction.

2) Travel either upwind or at a right angle to the wind direction to avoid hazards such as smoke or vapor clouds.

3) Never attempt to travel through smoke, spilled materials, or fire.

C. Assembly Points

**ALL EMPLOYEES, CONTRACTORS, and VISITORS**

| | |
|---|---|
| PRIMARY ASSEMBLY POINT: | East parking lot of Main Administration Building. |
| SECONDARY ASSEMBLY POINT: | Paved Parking Area South of the Guard House. |

## 9.0 CALLING FOR OUTSIDE HELP

The Emergency Coordinator will determine if outside help is needed. Outside Organizations have agreed to assist CH(BR) when help is needed and have been provided a copy of the CH(BR) Contingency Plan. The organizations are listed below, followed by a list of information to provide to the organization(s) when calling for help.

**9.1** To call for outside help; ***CONTACT:***

A. **BATON ROUGE FIRE DEPARTMENT COMMUNICATIONS (BRFD) - 225-383-4425**

B. **EAST BATON ROUGE EMERGENCY MEDICAL SERVICE-**
**IMMEDIATE MEDICAL ATTENTION- 911**

**9.2** When notifying organizations of the need for outside help, PROVIDE THE FOLLOWING INFORMATION:

A. Your name;
B. Your telephone number from which you are calling;
C. Name and street address of facility;
D. Type of incident (release, explosion, fire, etc.);
E. Time of incident and current condition;

F. Incident location at the site;
G. Name and quantity of materials Involved to the extent known;
H. Indications of spread of emergency (wind direction, water run-off, etc.);
I. Injuries and medical help needed (ambulance, hospitals, doctors, emergency rescue teams, etc.); and
J. Possible hazards to human health or the environment off-site.

**9.3** BRFD Communications will contact the following agencies as appropriate:

A. **ALSEN FIRE DEPARTMENT -** **225-774-3473**
Primary respondent for fire and medical emergency services.

B. **BATON ROUGE FIRE DEPARTMENT, HAZARDOUS MATERIALS UNIT LOCAL EMERGENCY PLANNING COMMISSION**
Respondent for fires and chemical spills. **225-389-4425**

C. **LOUISIANA STATE POLICE, HAZARDOUS MATERIALS UNIT (TRANSPORTATION AND ENVIRONMENTAL SAFETY)**
Respondent for protection of public and property. **225-925-6595**

D. **EAST BATON ROUGE PARISH SHERIFF (SCOTLANDVILLE)** **911 or 225-389-5105**

**EAST BATON ROUGE EMERGENCY MEDICAL SERVICE**
Respondents for medical treatment services. **911**

E. **LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY** **225-342-1234**
**After Hours 225-219-3640**
**or 1-888-763-5424**

F. **NATIONAL RESPONSE CENTER** **1-800-424-8802**

## 10.0 EVACUATION OF SURROUNDING AREAS

The Emergency Coordinator will determine if a release, fire, or explosion at the facility could threaten human health or the environment outside the facility. If he/she determines that evacuation of surrounding areas may be advisable, notification of outside agencies is required immediately.

**10.1** Notify the following Agencies:

**A. BATON ROUGE FIRE DEPARTMENT COMMUNICATIONS (BRFD) works in conjunction with BRAMAS 225-383-4425**

**B. LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY 225-342-1234**
**After Hours 225-219-3640**
**or 1-888-763-5424**

**C. NATIONAL RESPONSE CENTER (Only when there is a Reportable Quantity (RQ) Release) 1-800-424-8802**

**10.2** Provide the following information to the above agencies:

A. Your name;
B. Your telephone number from which you are calling;
C. Name and street address of facility;
D. Type of incident (release, explosion, fire, etc.);
E. Time of incident;
F. Name and quantity of materials Involved to the extent known;
G. Indications of spread of emergency (wind direction, water run-off, etc.);
H. Extent of injuries; and
I. Possible hazards to human health or the environment off-site.

**10.3** BRFD COMMMUNICATIONS will notify other appropriate agencies, to include:

**A. LOUISIANA STATE POLICE, HAZARDOUS MATERIALS UNIT 225-925-6113**

**B. HOMELAND SECURITY AND EMERGENCY PREPAREDNESS 225-389-3035**

**C. BATON ROUGE FIRE DEPARTMENT, HAZARDOUS MATERIALS UNIT (Local Emergency Planning Commission) 225-389-2055**

## 11.0 DISCHARGE OF TOXIC OR HAZARDOUS MATERIALS OFF-SITE

If a release of toxic or hazardous materials from CH(BR) enters or could enter the Mississippi River, the Emergency Coordinator or designee will notify the Office of Public Health, Department of Environmental Quality, and the nearest downstream plant with a water intake.

## 12.0 CH(BR) EMERGENCY RESPONSE

CH(BR) has Emergency Response measures in place, which include:

**12.1** Communications Systems consisting of the following:

A. In-plant telephone system equipped with an uninterrupted power source and backup generator. Telephones are located throughout the facility.

B. In-plant radio system with hand held radios. Units are assigned to numerous personnel and are maintained at all times in the Guard House and with the various area supervisors and managers.

C. In-plant public address system accessible from any in-plant telephone. Speakers are located at Administration, the TSF warehouse, and in the general area supporting Containment Storage. Figure #3 of this plan identifies the public address system speakers.

D. One direct-line telephone located in the Guard House, reserved specifically for emergencies.

E. A power failure telephone system for strategically located telephones.

**12.2** Personal safety and protective equipment (See Attachment 1) including Self Contained Breathing Apparatus (SCBA - See Attachment 2).

**12.3** Emergency safety showers equipped with eyewash stations. (Figure No. 4)

**12.4** Training to include quick response to releases or other minor emergencies by protecting human health and safety, followed by stopping and containing a release or minor emergency situation.

**12.5** Fire control, including:

A. A fire water system (Attachment 3) in place throughout the active area which includes fire hydrants and fire monitors (Figure 5).

B. Fire suppression systems for the Drum Storage Warehouse, Drum Shredder (Former) Pad, and Incinerator (Former) Belt System.

C. Fire extinguishers throughout the facility (Attachment 4). As required fire hydrants are not located more than 200 feet from each type of fire hazard.

D. Cooperation agreements for assistance from the Alsen Fire Department and

the Baton Rouge Fire Department have been established.

**12.6** Equipment for containing and cleaning up releases, including absorbents, vacuum trucks, and portable pumps (Attachment 5).

## 13.0 NOTIFICATION OF REPORTABLE QUANTITY RELEASE

If an incident includes a release of a Reportable Quantity (RQ) of a material, the Emergency Coordinator or his designee, will immediately report the incident to the required agencies. Reporting will take place immediately.

**13.1** At a minimum, report the RQ release to:

| | |
|---|---|
| **NATIONAL RESPONSE CENTER (Washington, D.C.)** | **1-800-424-8802 (or 202/426-2675)** |
| **LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY** | **225-342-1234** |
| **After Hours** | **225-219-3640** |
| **or** | **1-888-763-5424** |

**13.2** Also report to the following agencies if the RQ release meets additional requirements in State, DOT, and OSHA regulations (LAC 33:V.Part 1, Subpart 2; 49 CFR 172, Appendix to 172.101; and 29 CFR 1920.1200). The EPA or Coast Guard may also need notified (LAC 33:V.Part 1, Subpart 2).

| | |
|---|---|
| **EMERGENCY RESPONSE COMMISSION (via Office of State Police, Transportation and Environmental Safety Section, Hazardous Materials Hotline)** | **225-925-6595** |
| **LOCAL EMERGENCY PLANNING COMMITTEE** | **225-389-2055** |

## 14.0 DECONTAMINATION

14.1 The Emergency Coordinator may choose to determine the extent of any potential pollution or contamination by sampling and analysis of soil, water, vegetation, etc. The sampling necessity may be determined by:

(1) Nature of incident.
(2) Quantities involved.

(3) Types of surfaces exposed.
(4) Hazards associated with materials including such factors as toxicity and environmental persistence.

(b) All disposable contaminated items such as gloves, clothing, respirators, and hand tools are placed in appropriate shipping containers.

(c) Non-disposable equipment is decontaminated on site using appropriate cleaning methods and procedures.

14.2 The contaminated vehicle or area is checked for any damage which may have been caused by the leak, such as corrosion, etc.

14.3 All drums are manifested, sealed, and labeled per state, EPA and DOT guidelines for transport to an EPA permitted TSD facility (or one with interim status) for final disposition (i.e., secure landfill, incineration, etc.)

14.4 All appropriate notifications/reports are filed as required (i.e., Hazardous Substance Discharge notification (EPA), Hazardous Materials Incident Report (DOT), etc.).

14.5 Medical evaluation of the responding personnel as dictated by the material(s) involved.

## 15.0 RESPONDING TO AN INCIDENT AFTER NORMAL WORKING HOURS

An Emergency Coordinator can be reached at all times, 24 hours a day, including weekends and holidays. After normal working hours, the security personnel will contact the Emergency Coordinator, as indicated above in Section 3.0. The Emergency Coordinator or designee will follow the Contingency Plan in response to an incident, with the following exceptions:

**15.1** After Hours Procedure if Contingency Plan **IS NOT** Implemented

If the Emergency Coordinator, or designee, determines that an imminent or actual incident is not immediately dangerous to life, health, or the environment, he/she (or designee) shall:

A. Contact the General Manager or other highest ranking facility management available for advice and assistance.

B. Provide the information listed in Section 4.2 above.

**15.2** After Hours Procedure if Contingency Plan **IS** Implemented

If the Emergency Coordinator, or designee, acting on behalf of the Emergency Coordinator, determines that:

* An imminent or actual incident could threaten human health or the environment; and/or
* Significant help is needed to prevent serious injury, environmental pollution, and/or damage to the plant;

The Emergency Coordinator, or designee, shall immediately:

A. Contact **BATON ROUGE FIRE DEPARTMENT COMMUNICATIONS (BRFD) 225-389-2055**

Provide the information listed in Section 9.2 above (Calling for Outside Help). If an off-site evacuation is advisable, the advice must be relayed to BRRFD COMMUNICATIONS.

B. Either remain close to or designate someone to remain close to the telephone to receive incoming calls.

## 16.0 FOLLOW-UP ACTIONS

Immediately after an emergency, the Emergency Coordinator or designee will ensure that the following items are completed:

**16.1** Treat, store, or dispose of any waste material from a release, fire, or explosion in an approved manner. The waste materials will include, if applicable, any recovered waste and/or contaminated soil and surface water.

**16.2** Clean all emergency equipment and ensure that it is fit for its intended use before operations are resumed.

**16.3** Before operations are resumed in the affected area(s) of the plant, notify the EPA Regional Administrator and/or appropriate State and local authorities, including the Office of Environmental Compliance, Surveillance Division that:

A. Cleanup procedures are completed.

B. No waste has been treated, stored, or disposed of until after cleanup procedures were complete.

C. All emergency equipment is cleaned and fit for its intended used prior to resuming operations.

## 17.0 WRITTEN REPORT

Information on an incident that requires implementation of the Contingency Plan must be recorded in the Operating Record; to include the time, date and details of the incident. Additionally, a written incident report must be submitted to regulatory and emergency response agencies within 15 days after the incident.

The written report must be submitted to the Louisiana Department of Environmental Quality (LDEQ), Louisiana State Police Hazardous Materials Unit, East Baton Rouge Department of Emergency Management, Baton Rouge Fire Department, and the Alsen Fire Department.

Include the following information in the written Incident Report:

**17.1** Name, address, and telephone number of the owner or operator;

**17.2** Name, address, and telephone number of the facility;

**17.3** Date, time, and type of incident (e.g., fire, explosion);

**17.4** Name and quantity of material(s) involved;

**17.5** The extent of injuries, if any;

**17.6** An assessment of actual or potential hazards to human health or the environment, where this is applicable; and

**17.7** Estimated quantity and disposition of recovered material that resulted from the incident.

Internal reporting will also be completed in accordance with established Incident notification Procedures.

## 18.0 CONTINGENCY PLAN MANAGEMENT / MAINTENANCE OF EQUIPMENT

The Contingency Plan is reviewed, and amended, if necessary, whenever:

**18.1** The CH(BR) hazardous waste permit is revised.

**18.2** Applicable regulations are revised.

**18.3** The facility operation is modified or expanded in a way that includes one or both of the following:

A. The type or quantity of waste handled is changed and increases the potential for fires, explosions, or releases of hazardous constituents.

B. Possible emergency situations and response procedures are changed.

**18.4** The plan fails in an emergency.

**18.5** The list of emergency coordinators or response agencies identified in the plan changes.

**18.6** Emergency equipment is changed, decreased, or relocated.

Revisions to the Contingency Plan are submitted to the regulatory agency for permit modification or approval. After modification or approval, revised copies are submitted to all organizations (listed in Section 9.1) who have agreed to assist in emergencies. Revised copies are maintained at CH(BR).

**18.7** Emergency equipment is maintained per OSHA standards. Fire extinguishers are inspected monthly and annually. The fire pumping system is tested monthly. Fire doors and suppression systems are tested annually. The alarm system is tested each Wednesday at noon. SCBAs are inspected monthly. Records of inspections and maintenance are kept on file in the facility operating record.

# PERSONAL
# SAFETY AND PROTECTIVE EQUIPMENT

Safety Gear Issued as Required in General Safety Rules:

Hard Hat
Side Shield Safety Glasses
Long Sleeve Shirts
Hearing Protection
Gloves
Steel-toed Shoes
Glasses
Monogoggles

Personal Protective Equipment** (Issued to individuals or in warehouse)

PVC Gloves and Boots
Monogoggles or Face shield
PC Tyvek Coveralls
PVC Rain Suit
Full Face Respirator
Welders Gloves

# ATTACHMENTS

# LOCATIONS OF SELF CONTAINED BREATHING APPARATUS (SCBA)

| LOCATION | NUMBER | TYPE OF SCBA |
|---|---|---|
| North S and E Building | 1 | 30 min. |
| South S and E Building | 1 | 30 min. |
| Waste Water Treatment Area | 1 | 30 min. |
| Drum Storage Pads | 2 | 30 min. |
| TSF Building | 2 | 30 min. |
| Tank Farm | 1 | 30 min. |
| Laboratory | 1 | 30 min. |

# FIRE WATER SYSTEM

The Fire Water System consists of the following components:

**1. Process/Fire Water Supply Tank (Tk-8020)**

Located adjacent to the Fire House, this process/fire water supply tank, TK-8020, has a 1,057,460 gallon capacity with an operating level of 941,800 gallons (95%), used to maintain adequate supply of process water and fire protection water.

The top 30% of the operating capacity, 482,540 gal, is maintained for use as process water. The remaining 70%, 659,260 gal, is dedicated for fire protection. The process/fire water supply tank is connected by a piping system to the process supply pumps and to the fire water pump.

**2. Process Supply Level Control Loop**

Located within the fire pump house, this instrumentation loop contains level controllers for the process/fire water supply tank (Tk-8020).

**3. Fresh Water Well #1 and Fresh Water Well Pump #1 PU-8002**

Located east of the hourly change house, this water well is the primary source of fresh water supply for the process/fire water supply tank.

The fresh water well pump maintains the water supply level in Tk-8020 between 5% to 95% operating capacity. This pump will deliver 800-1200 gallons per minute (gpm) to the supply tank.

**4. Fire Water Supply Pump PU-8100**

The fire water pump is powered by a diesel engine. Located within the fire pump house, this pump supplies all of the fresh water used for fire protection in the plant. This pump is rated to deliver 2000 gpm at 150 psi.

**5. Fire Water Jockey Pump PU-8101**

The fire water Jockey pump is used to maintain line pressure within the fire water discharge system. This pump is rated to deliver a pressure of 165 psi to the discharge line.

**6. Process Booster Pumps PU-8020A and PU-8020B**

Process Booster Pumps "A" and "B" are electrical powered pumps, located within the fire pump house. Used to supply water to all process distribution points, both pumps are rated to deliver 500 gpm at 110 psi, and are operated on a lead/lag system.

**7. Fire Pump Discharge Line and Header System**

The fire water discharge pipeline is designed to supply fire protection water directly to:

Fire monitors
Fire hydrants

**8. Fire Hydrants and Fire Monitors**

A system of Fire Hydrants and Fire Monitors is located throughout the operating area of the facility.

**9. Fire Pump Systems Control Panel**

Contained within the fire pump house this control panel contains system controls for the operations of the fire water pump. The control panel provides pump selections for start-up and shut-down, and contains light indicators for system running, system failure, and battery failure. An indicator display of the fire pump running status is located within the old incinerator control room.

# LOCATION OF FIRE EXTINGUISHERS
## Clean Harbors Baton Rouge, LLC

| LOCATION | STATION/DESCRIPTION | TYPE/SIZE |
|---|---|---|
| Fire House | West Hall | Dry Chem ABC 10 |
| Fire House | Operations NE | Dry Chem ABC 20 |
| Administration | East Hall | Halon 1211 13 |
| Water Treatment | Top of Cooling Tower | Dry Chem ABC 20 |
| Fire House | Office W.E. | Dry Chem ABC 10 |
| Fire House | Kitchen | Dry Chem ABC 10 |
| Perimeter | Fire Truck | Dry Chem Pk 30 |
| Perimeter | Fire Truck | Dry Chem ABC 30 |
| Fire House | Truck Bay SE | Dry Chem ABC 10 |
| Fire House | Conference Room | Dry Chem ABC 10 |
| Fire House | Generator Room | Dry Chem ABC 10 |
| Perimeter | Fire Pump Room | Halon 1211 20 |
| Perimeter | Fire Pump MCC | Co2 20 |
| Administration | Main Off. NE Hall | Dry Chem ABC 10 |
| Administration | Main Off. NE Hall | Dry Chem ABC 10 |
| Administration | Lab N W Hall | Dry Chem ABC 10 |
| Administration | Lab N Hall | Dry Chem ABC 10 |
| Administration | Fs Office SE Hall | Dry Chem ABC 5 |
| Administration | Fs Office W Hall | Dry Chem ABC 5 |
| Administration | Acct. W E Hall | Dry Chem ABC 20 |
| Administration | Sales W Hall | Dry Chem ABC 5 |
| Administration | Physical Lab | Dry Chem ABC 5 |
| Operations | Tank Farm Top N | Dry Chem ABC 20 |
| Operations | Tank Farm Top | Dry Chem ABC 20 |
| Operations | Tank Farm Top S | Dry Chem ABC 20 |
| Operations | Tank Farm Bottom N | Dry Chem ABC 20 |
| Operations | Tank Farm Bottom | Dry Chem ABC 20 |
| Operations | Tank Farm Bottom S | Dry Chem ABC 20 |
| Operations | Tank Farm Control Room | Co2 15 |
| Mobile Unit | Loading Pad | Dry Chem ABC 20/ Nitrogen 110 |
| Mobile Unit | Loading Pad SW Cylinder | Dry Chem ABC 150/ Nitrogen 110 |

# LOCATION OF FIRE EXTINGUISHERS
## Clean Harbors Baton Rouge, LLC

| LOCATION | STATION/DESCRIPTION | TYPE/SIZE |
|---|---|---|
| Operations | Old Shredder E | Dry Chem ABC 20 |
| Operations | Old Shredder N | Dry Chem ABC 20 |
| Operations | Old Shredder S | Dry Chem ABC 20 |
| Operations | Old Shredder NW | Dry Chem ABC 20 |
| Operations | Old Shredder SW | Co2 15 |
| Operations | Shredder W Wall Repack | Dry Chem Pk 20 |
| Operations | Repack | Dry Chem Pk 20 |
| Operations | Repack | Dry Chem ABC 20 |
| Operations | N Drum Storage E | Dry Chem ABC 20 |
| Mobile | W Drum Storage E | Nitrogen 110/ Dry Chem Pk 150 |
| Operations | N Drum Storage E | Dry Chem ABC 20 |
| Operations | Middle Drum Storage E | Dry Chem ABC 20 |
| Mobile | S Drum Storage SE | Nitrogen 110/ Dry Chem ABC 150 |
| Operations | N Truck Loading Pad | Dry Chem ABC 20 |
| Operations | N Drum Storage | Dry Chem Pk 20 |
| Operations | Old Incin Loading Platform | Dry Chem ABC 20 |
| | 150# C Extinguisher | Dry Chem Pk 150 |
| Operations | Old Incin Control Room | Halon 1211 20 |
| Operations | N E Side Old Incinerator Room | Dry Chem ABC 20 |
| Operations | Analyzer Room N W | Dry Chem ABC 20 |
| Operations | Maint Shop N E | Dry Chem ABC 20 |
| Operations | Air Compressors | Dry Chem ABC 20 |
| Operations | Behind I and E | Dry Chem ABC 20 |
| Operations | Sample Rack Bottom | Dry Chem ABC 20 |
| Operations | Sample Rack Top | Dry Chem ABC 20 |
| Water Treatment | Beam N Of Main MCC | Dry Chem ABC 20 |
| Water Treatment | Pact Tank Polymers S E | Dry Chem ABC 20 |
| Water Treatment | Pump Pad | Dry Chem ABC 20 |
| Water Treatment | Pact Tank Top | Dry Chem ABC 20 |
| Water Treatment | Emergency Gen N W | Halon 1211 20 |

# LOCATION OF FIRE EXTINGUISHERS
## Clean Harbors Baton Rouge, LLC

| LOCATION | STATION/DESCRIPTION | TYPE/SIZE |
|---|---|---|
| Water Treatment | Emergency Gen NW | Dry Chem ABC 20 |
| Operations | Pick Up Truck | Dry Chem ABC 20 |
| Operations | Welding Truck | Dry Chem ABC 20 |
| Water Treatment | Outfall NE | Halon 1211 20 |
| Water Treatment | By Acid Tanks | Dry Chem ABC 20 |
| Water Treatment | 1200 Press Top | Dry Chem ABC 20 |
| Water Treatment | Clarifier Poly | Dry Chem ABC 20 |
| Water Treatment | Sludge Pumps | Dry Chem ABC 20 |
| Water Treatment | Neutralizer Stat | Dry Chem ABC 20 |
| Water Treatment | 80 Ft Clarifier Top | Dry Chem ABC 200 |
| Water Treatment | W 80 Ft Clarifier | Dry Chem ABC 20 |
| Water Treatment | 40 Ft Clarifier | Dry Chem ABC 20 |
| Water Treatment | 40 Ft Clarifier Bldg | Dry Chem ABC 20 |
| Perimeter S Side | Guard Office | Dry Chem Pk 20 |
| Perimeter N Side | Guard Office | Dry Chem Pk 20 |
| Mobile | Railcar Pump Pad Cylinder | Nitrogen 110/ Dry Chem 150 |
| Perimeter | MCC W of Entrance | CO2 15 |
| Perimeter | Change House | Dry Chem ABC 5 |
| Perimeter | Change House | Dry Chem ABC 10 |
| Mobile | N End Mixing S and E | Dry Chem Pk 150/ Nitrogen 110 |
| Mobile | S End Mixing S and E Cylinder | Nitrogen 110/ Dry Chem ABC 150 |
| Perimeter | Landfill Pump Shack | Dry Chem ABC 5 |
| Perimeter | Landfill Pump Shack | Halon 1211 17 |
| Perimeter | Landfill Pump Shack | Halon 1211 20 |
| Perimeter | Dolly Down | Dry Chem ABC 20 |
| Perimeter | E Railcar Loading Platform | Dry Chem ABC 20 |
| Perimeter | W Railcar Loading Platform | Dry Chem ABC 20 |
| Perimeter | Air Monitor E | CO2 15 |
| Perimeter | Air Monitor N | CO2 15 |
| Perimeter | Air Monitor S | CO2 15 |
| Perimeter | Air Monitor W | CO2 15 |

# LOCATION OF FIRE EXTINGUISHERS
## Clean Harbors Baton Rouge, LLC

| LOCATION | STATION/DESCRIPTION | TYPE/SIZE |
|---|---|---|
| Container Storage | Southwest Wall | Dry Chem ABC 20 |
| Container Storage | By Eye Wash | Dry Chem ABC 20 |
| Container Storage | East Wall | Dry Chem ABC 20 |
| Container Storage | East Wall | Dry Chem ABC 20 |
| Container Storage | By Eye Wash | Dry Chem ABC 20 |
| Container Storage | By Control Room | Dry Chem ABC 20 |
| Container Storage | Out By Control Room | Dry Chem ABC 20 |
| Container Storage | By Eye Wash | Dry Chem ABC 20 |
| Container Storage | South Wall | Dry Chem ABC 20 |
| Container Storage | N Beam By Eye Wash | Dry Chem ABC 20 |
| Container Storage | North By Eye Wash Dry | Chem ABC 20 |
| Container Storage | South By Eye Wash Dry | Chem ABC 20 |
| Container Storage | South By Eye Wash | Dry Chem ABC 20 |
| Container Storage | West Beam | Dry Chem ABC 20 |
| Container Storage | North by Eye Wash Dry | Chem ABC 20 |
| Container Storage | East Wall | Dry Chem ABC 20 |
| Mobile | Container Storage East Wall | Dry Chem ABC 150/ Nitrogen 110 |
| T F C Drum Storage | Warehouse North | Dry Chem ABC 20 |
| T F C Drum Storage | East of Stairs | Dry Chem ABC 20 |
| T F C Drum Storage | Warehouse | Dry Chem ABC 20 |
| T F C Drum Storage | Warehouse Stairs | Dry Chem ABC 20 |
| Mobile Units | All Operating Forklifts | Dry Chem ABC 2.5 |
| Mobile Units | All Operating Site Trucks | Dry Chem ABC 20 |
| S and E Building | SW Door | Dry Chem ABC 20 |
| S and E Building | SE Door | Dry Chem ABC 20 |
| S and E Building | E Door | Dry Chem ABC 20 |
| S and E Building | MCC | Halon 1211 20 |
| S and E Building | MCC | Halon 1211 20 |

# LOCATION OF FIRE EXTINGUISHERS
## Clean Harbors Baton Rouge, LLC

| LOCATION | STATION/DESCRIPTION | TYPE/SIZE |
|---|---|---|
| Smoking Area | Drum Pad | Dry Chem ABC 10 |
| Container Storage | By Office | Co2 15 |
| Smoking Area | S and E Bldg. | Dry Chem ABC 10 |
| Smoking Area | Admin Bldg. | Dry Chem ABC 10 |
| S and E Building | Control Room | Dry Chem ABC 20 |

# SPILL CONTAINMENT AND CLEANUP EQUIPMENT

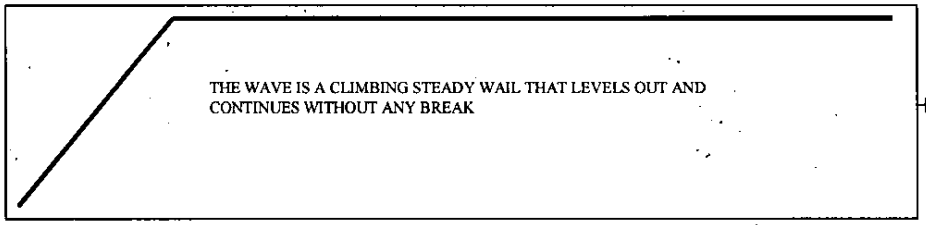
| AVAILABLE EQUIPMENT | GENERAL LOCATION |
|---|---|
| a. 1 - 4,200 Gallon Vacuum Truck | Rail Spur and Oil Trailer Containment Pad |
| b. 1 - Backhoe | Equipment Repair Facility |
| c. Absorbent - Floor Dry, soil | Warehouse, Western Tract |
| d. Portable pumps | Equipment Repair Facility |

# PLANT ALARM SIGNALS

The Clean Harbors Plant Alarm System will be fail-safe tested every Wednesday at approximately 12:00 noon. An Announcement will precede and follow each of the alarms to alert you as the test and the different alarm signals.

**Signal Characteristics**

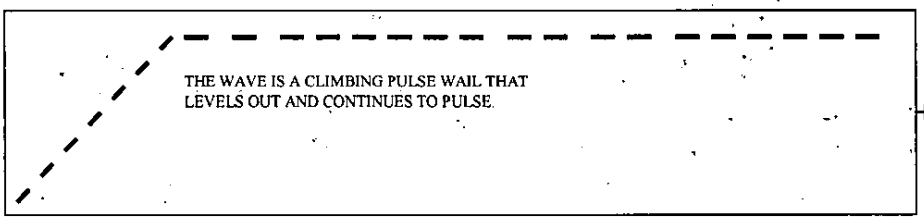
**FIRE**




REMAIN IN WORK AREA AND AWAIT FURTHER INSTRUCTIONS

THIS SIGNAL INDICATES THAT A FIRE INCIDENT HAS OCCURRED.

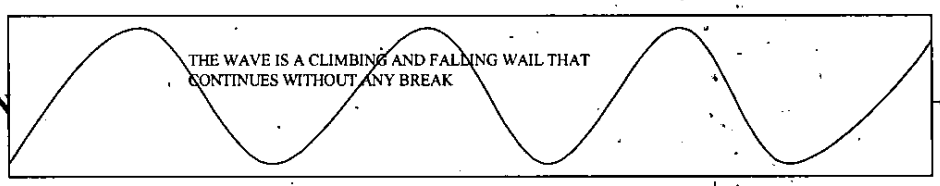
**SPILL/ FUME/ RELEASE**




REMAIN IN WORK AREA AND AWAIT FURTHER INSTRUCTIONS. LISTEN FOR ANNOUNCEMENT OF LCOATION AND WIND DIRECTION.

THIS WAVE SIGNAL INDICATES THAT A SPILL/FUME RELEASE INCIDENT HAS OCCURRED.

**EVACUATION**




GO TO ASSIGNED ASSEMBLY POINT NO. 1 UNLESS OTHERWISE INSTRUCTED

THIS WAVE SIGNAL IDICATES THAT AN INCIDENT HAS OCCURRED.

# ARRANGEMENTS WITH LOCAL AUTHORITIES

CleanHarbors®
ENVIRONMENTAL SERVICES, INC.

**Hand Delivered**

Ms. Lexie Andrews, Chief of Operations
Office of Homeland Security and Emergency Preparedness
3773 Harding Boulevard
Baton Rouge, La 70807

**Subject:** **Annual Renewal of Arrangements with Local Authorities**
**Clean Harbors Baton Rouge, LLC**
**LAD 010 395 127**

I, the undersigned, have received a copy of the Contingency Plan for the hazardous waste management facility operated by **Clean Harbors Baton Rouge, LLC** located at **13351 Scenic Highway, Baton Rouge, La. 70807**. I understand that this plan contains information concerning the layout of the facility (including roads and evacuation routes) and the procedures to be undertaken at the facility in the event of an emergency situation.

It is agreed that the organization listed above will, as appropriate, respond to and provide emergency services for **Clean Harbors Baton Rouge, LLC.**

Signature: _____ Title: Lexie Andrews

Date Signed: 12-4-07

Q:\Louisiana\Baton Rouge\Contingency Plan\Agreement ltr

CleanHarbors®
ENVIRONMENTAL SERVICES, INC.

**Hand Delivered**

Chief Mandy Walker
Baton Rouge Fire Department Communications (BRFD)
3773 Harding Boulevard
Baton Rouge, La 70807

**Subject:** **Annual Renewal of Arrangements with Local Authorities**
**Clean Harbors Baton Rouge, LLC**
**LAD 010 395 127**

I, the undersigned, have received a copy of the Contingency Plan for the hazardous waste management facility operated by **Clean Harbors Baton Rouge, LLC** located at **13351 Scenic Highway, Baton Rouge, La. 70807**. I understand that this plan contains information concerning the layout of the facility (including roads and evacuation routes) and the procedures to be undertaken at the facility in the event of an emergency situation.

It is agreed that the organization listed above will, as appropriate, respond to and provide emergency services for **Clean Harbors Baton Rouge, LLC.**

Signature: _____ Title: Chief Walker

Date Signed: 12-4-07

Q:\Louisiana\Baton Rouge\Contingency Plan\Agreement ltr

CleanHarbors®
ENVIRONMENTAL SERVICES, INC.

**Hand Delivered**

Chief Larry Mounce
Hazardous Materials Unit
Baton Rouge Fire Department
8011 Merle Gustafson Dr.
Baton Rouge, Louisiana 70807

**Subject:** **Annual Renewal of Arrangements with Local Authorities**
**Clean Harbors Baton Rouge, LLC**
**LAD 010 395 127**

I, the undersigned, have received a copy of the Contingency Plan for the hazardous waste management facility operated by **Clean Harbors Baton Rouge, LLC** located at **13351 Scenic Highway, Baton Rouge, La. 70807**. I understand that this plan contains information concerning the layout of the facility (including roads and evacuation routes) and the procedures to be undertaken at the facility in the event of an emergency situation.

It is agreed that the organization listed above will, as appropriate, respond to and provide emergency services for **Clean Harbors Baton Rouge, LLC.**

Signature: [signature] Title: 12-4-07

Date Signed: 12-4-07

Q:\Louisiana\Baton Rouge\Contingency Plan\Agreement ltr

CleanHarbors®
ENVIRONMENTAL SERVICES, INC.

**Hand Delivered**

Captain Troy Banks
Scotlandville Substation
East Baton Rouge Parish Sheriff's Office
1270 Rosenwald Road
Baton Rouge, LA 70807

**Subject:** **Annual Renewal of Arrangements with Local Authorities**
**Clean Harbors Baton Rouge, LLC**
**LAD 010 395 127**

I, the undersigned, have received a copy of the Contingency Plan for the hazardous waste management facility operated by **Clean Harbors Baton Rouge, LLC** located at **13351 Scenic Highway, Baton Rouge, La. 70807.** I understand that this plan contains information concerning the layout of the facility (including roads and evacuation routes) and the procedures to be undertaken at the facility in the event of an emergency situation.

It is agreed that the organization listed above will, as appropriate, respond to and provide emergency services for **Clean Harbors Baton Rouge, LLC.**

Signature: Leon B. Shumate Title: On Behalf of Capt Banks

Date Signed: 12.4.07

Q:\Louisiana\Baton Rouge\Contingency Plan\Agreement ltr

CleanHarbors®
ENVIRONMENTAL SERVICES, INC.

**Hand Delivered**

Chief Charleston O'Conner
Alsen Fire Department
674 Old Rafe Mayer Road
Baton Rouge, Louisiana 70807

**Subject:** **Annual Renewal of Arrangements with Local Authorities**
**Clean Harbors Baton Rouge, LLC**
**LAD 010 395 127**

I, the undersigned, have received a copy of the Contingency Plan for the hazardous waste management facility operated by **Clean Harbors Baton Rouge, LLC** located at **13351 Scenic Highway, Baton Rouge, La. 70807**. I understand that this plan contains information concerning the layout of the facility (including roads and evacuation routes) and the procedures to be undertaken at the facility in the event of an emergency situation.

It is agreed that the organization listed above will, as appropriate, respond to and provide emergency services for **Clean Harbors Baton Rouge, LLC.**

Signature: [signature] Title: On Behalf of Chief OConner

Date Signed: 12/4/07

Q:\Louisiana\Baton Rouge\Contingency Plan\Agreement ltr

CleanHarbors®
ENVIRONMENTAL SERVICES, INC.

**Delivered via E-Mail Correspondence**

Lt. Gary LeBlanc
LA Emergency Response Commission
Office of State Police and HAZ MAT
Transportation, Environmental, and Safety Section
Right to Know Unit
7919 Indepence Blvd.
Baton Rouge, Louisiana 70806

**Subject:** **Submittal of Contingency Plan – State Police**
**Clean Harbors Baton Rouge, LLC**
**LAD 010 395 127**

I, the undersigned, have received a copy of the Contingency Plan for the hazardous waste management facility operated by **Clean Harbors Baton Rouge, LLC** located at **13351 Scenic Highway, Baton Rouge, La. 70807**. I understand that this plan contains information concerning the layout of the facility (including roads and evacuation routes) and the procedures to be undertaken at the facility in the event of an emergency situation.

Signature: James E. Dunegan Title: Adm Prog Mngr 3

Date Signed: 12/14/07

Q:\Louisiana\Baton Rouge\Contingency Plan

# FIGURES

LEGEND – FOR GENERAL AREA

| ITEM | DESRIPTION |
|---|---|
| 1 | 001 Flow Metering and Sampling Building |
| 2 | 001 Outfall – (Closed Rerouted to Miss. River) |
| 3 | 002 Outfall |
| 4 | Allied Tract |
| 5 | Bulk Chemical Storage Tanks (FeCl3 & HCl) |
| 6 | Cell 717 (Closed) |
| 7 | Cell 901 (Closed) |
| 8 | Cell 902 (Closed) |
| 9 | Basin 302 (Closed) |
| 10 | Cell 904 (Active) |
| 11 | Change House |
| 12 | Container Storage Pad (Non-Hazardous) |
| 13 | Container Storage Pavilion (TSF) |
| 14 | TSF 10 Day Storage |
| 16 | Contractors Plant Vehicle Parking |
| 17 | Maintenance Laydown Yard |
| 18 | Dolly Down (Truck Parking) |
| 19 | Drum Storage Area (Pads A-F) |
| 20 | Fire Station/ICS Center |
| 21 | Fuel Island |
| 22 | Guard House |
| 23 | High Pressure Tank Farm (Partial Closure) |
| 24 | Hy-Purle (Closed) |
| 28 | Laboratory |
| 29 | Laboratory Sample Rack |
| 30 | Landfarm Area (Closed) |
| 31 | Leachate Tank (TK-6039) |
| 32 | Main Entrance Gate |
| 33 | Main Office Building (Administration) |
| 34 | Maintenance Shop |
| 35 | Metals Recovery Unit |
| 36 | Motor Control Center Building (Wastewater Treatment Area) |
| 37 | Natural Gas Station |
| 38 | Nitrogen Tank |
| 39 | Office Trailers |
| 40 | Process and Fire Water Tank |
| 41 | Process Water Well |
| 42 | Rail Car Unloading Containment Area (10 Day Storage) |
| 43 | Rail Car Unloading Station |
| 44 | Rain Water Basin RW-1 |
| 45 | Rain Water Basin RW-2 |
| 46 | Rain Water Basin RW-3 |
| 47 | Rain Water Basin RW-4 |
| 48 | Rain Water Basin RW-5 |
| 49 | General Goods Warehouse |
| 50 | Repack/Decanning Area |
| 51 | Repack Shredder (Partial Closure) |
| 52 | Scale House |
| 53 | South Landfill Area (Closed) |
| 54 | Stabilization and Encapsulation Facility (TK-7002) |
| 55 | Direct Burn Pads North & South |
| 56 | Sussex Corporation |
| 57 | Sussex Offices and Lunch Room |
| 58 | Switchgear (Outdoor) |
| 59 | Truck Scale |
| 60 | Wash Rack/Transfer Facility – CET (Closed) |
| 61 | Wastewater Treatment Area |
| 62 | Weir |
| 63 | Western Tract |
| 64 | CET – 10 Day Storage |

| REV. | DESCRIPTION | DRAWN BY | DATE | APPR. BY |
|---|---|---|---|---|

CleanHarbors

THIS DRAWING IS THE PROPERTY OF CLEAN HARBORS ENVIRONMENTAL, INC. ANY INFORMATION CONTAINED HEREON MAY NOT BE COPIED OR USED WITHOUT WRITTEN PERMISSION OF OWNER.

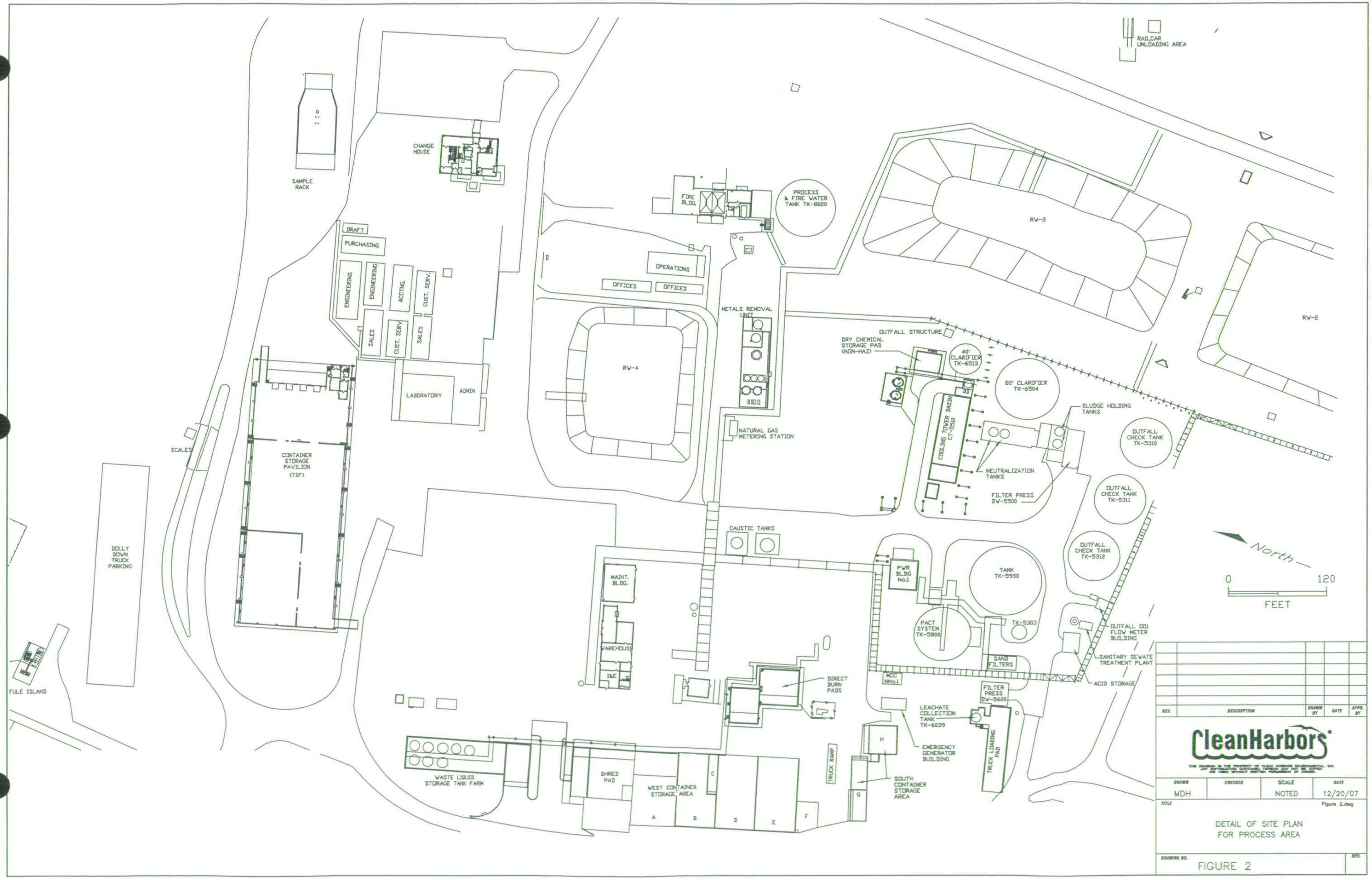
| DRAWN | CHECKED | SCALE | DATE |
|---|---|---|---|
| MDH | | NTS | 0/0/00 |

TITLE Figure 1 Plot Plan.dwg

FACILITY PLOT PLAN

DRAWING NO. Figure 1

REV.


RAILCAR UNLOADING AREA
SAMPLE RACK
CHANGE HOUSE
FIRE BLDG.
PROCESS & FIRE WATER TANK TK-8020
RW-3
RW-2
DRAFT
PURCHASING
ENGINEERING
ENGINEERING
ACCTNG.
CUST. SERV.
SALES
CUST. SERV.
SALES
OPERATIONS
OFFICES
OFFICES
METALS REMOVAL UNIT
RW-4
LABORATORY
ADMIN
OUTFALL STRUCTURE
DRY CHEMICAL STORAGE PAD (NON-HAZ)
40' CLARIFIER TK-6513
80' CLARIFIER TK-6504
SLUDGE HOLDING TANKS
COOLING TOWER BASIN CT-5510
OUTFALL CHECK TANK TK-5310
NATURAL GAS METERING STATION
NEUTRALIZATION TANKS
FILTER PRESS DW-5500
OUTFALL CHECK TANK TK-5311
SCALES
CONTAINER STORAGE PAVILION (TSF)
DOLLY DOWN TRUCK PARKING
CAUSTIC TANKS
OUTFALL CHECK TANK TK-5312
North
0
120
FEET
PWR BLDG No.1
TANK TK-5950
MAINT. BLDG.
PACT SYSTEM TK-5800
TK-5303
OUTFALL 001 FLOW METER BUILDING
WAREHOUSE
SAND FILTERS
SANITARY SEWATE TREATMENT PLANT
I&E
DIRECT BURN PADS
MCC NNo.1
ACID STORAGE
FILTER PRESS DW-5600
FULE ISLAND
LEACHATE COLLECTION TANK TK-6039
H
EMERGENCY GENERATOR BUILDING
TRUCK LOADING PAD
TRUCK RAMP
WASTE LIQUID STORAGE TANK FARM
SHRED PAD
WEST CONTAINER STORAGE AREA
C
SOUTH CONTAINER STORAGE AREA
G
A
B
D
E
F
REV.
DESCRIPTION
DRAWN BY
DATE
APPR. BY
CleanHarbors
DRAWN
MDH
CHECKED
SCALE
NOTED
DATE
12/20/07
TITLE
Figure 2.dwg
DETAIL OF SITE PLAN FOR PROCESS AREA
DRAWING NO.
FIGURE 2
REV.

LEGEND – FOR GENERAL AREA

| ITEM | DESRIPTION |
|---|---|
| 1 | 001 Flow Metering and Sampling Building |
| 2 | 001 Outfall – (Closed Rerouted to Miss. River) |
| 3 | 002 Outfall |
| 4 | Allied Tract |
| 5 | Bulk Chemical Storage Tanks (FeCl3 & HCl) |
| 6 | Cell 717 (Closed) |
| 7 | Cell 901 (Closed) |
| 8 | Cell 902 (Closed) |
| 9 | Basin 302 (Closed) |
| 10 | Cell 904 (Active) |
| 11 | Change House |
| 12 | Container Storage Pad (Non–Hazardous) |
| 13 | Container Storage Pavilion (TSF) |
| 14 | TSF 10 Day Storage |
| 16 | Contractors Plant Vehicle Parking |
| 17 | Maintenance Laydown Yard |
| 18 | Dolly Down (Truck Parking) |
| 19 | Drum Storage Area (Pads A–F) |
| 20 | Fire Station/ICS Center |
| 21 | Fuel Island |
| 22 | Guard House |
| 23 | High Pressure Tank Farm (Partial Closure) |
| 24 | Hy–Purle (Closed) |
| 28 | Laboratory |
| 29 | Laboratory Sample Rack |
| 30 | Landfarm Area (Closed) |
| 31 | Leachate Tank (TK–6039) |
| 32 | Main Entrance Gate |
| 33 | Main Office Building (Administration) |
| 34 | Maintenance Shop |
| 35 | Metals Recovery Unit |
| 36 | Motor Control Center Building (Wastewater Treatment Area) |
| 37 | Natural Gas Station |
| 38 | Nitrogen Tank |
| 39 | Office Trailers |
| 40 | Process and Fire Water Tank |
| 41 | Process Water Well |
| 42 | Rail Car Unloading Containment Area (10 Day Storage) |
| 43 | Rail Car Unloading Station |
| 44 | Rain Water Basin RW–1 |
| 45 | Rain Water Basin RW–2 |
| 46 | Rain Water Basin RW–3 |
| 47 | Rain Water Basin RW–4 |
| 48 | Rain Water Basin RW–5 |
| 49 | General Goods Warehouse |
| 50 | Repack/Decanning Area |
| 51 | Repack Shredder (Partial Closure) |
| 52 | Scale House |
| 53 | South Landfill Area (Closed) |
| 54 | Stabilization and Encapsulation Facility (TK–7002) |
| 55 | Direct Burn Pads North & South |
| 56 | Sussex Corporation |
| 57 | Sussex Offices and Lunch Room |
| 58 | Switchgear (Outdoor) |
| 59 | Truck Scale |
| 60 | Wash Rack/Transfer Facility – CET (Closed) |
| 61 | Wastewater Treatment Area |
| 62 | Weir |
| 63 | Western Tract |
| 64 | CET 10 Day Storage |

LEGEND

- * PRIMARY ASSEMBLY POINT
- ** SECONDARY ASSEMBLY POINT
- PRIMARY EVACUATION ROUTE
- SECONDARY EVACUATION ROUTE
- ALARM SPEAKERS

| REV. | DESCRIPTION | DRAWN BY | DATE | APPR. BY |
|---|---|---|---|---|

CleanHarbors

THIS DRAWING IS THE PROPERTY OF CLEAN HARBORS ENVIRONMENTAL, INC. ANY INFORMATION CONTAINED HEREIN MAY NOT BE COPIED OR USED WITHOUT WRITTEN PERMISSION OF OWNER.

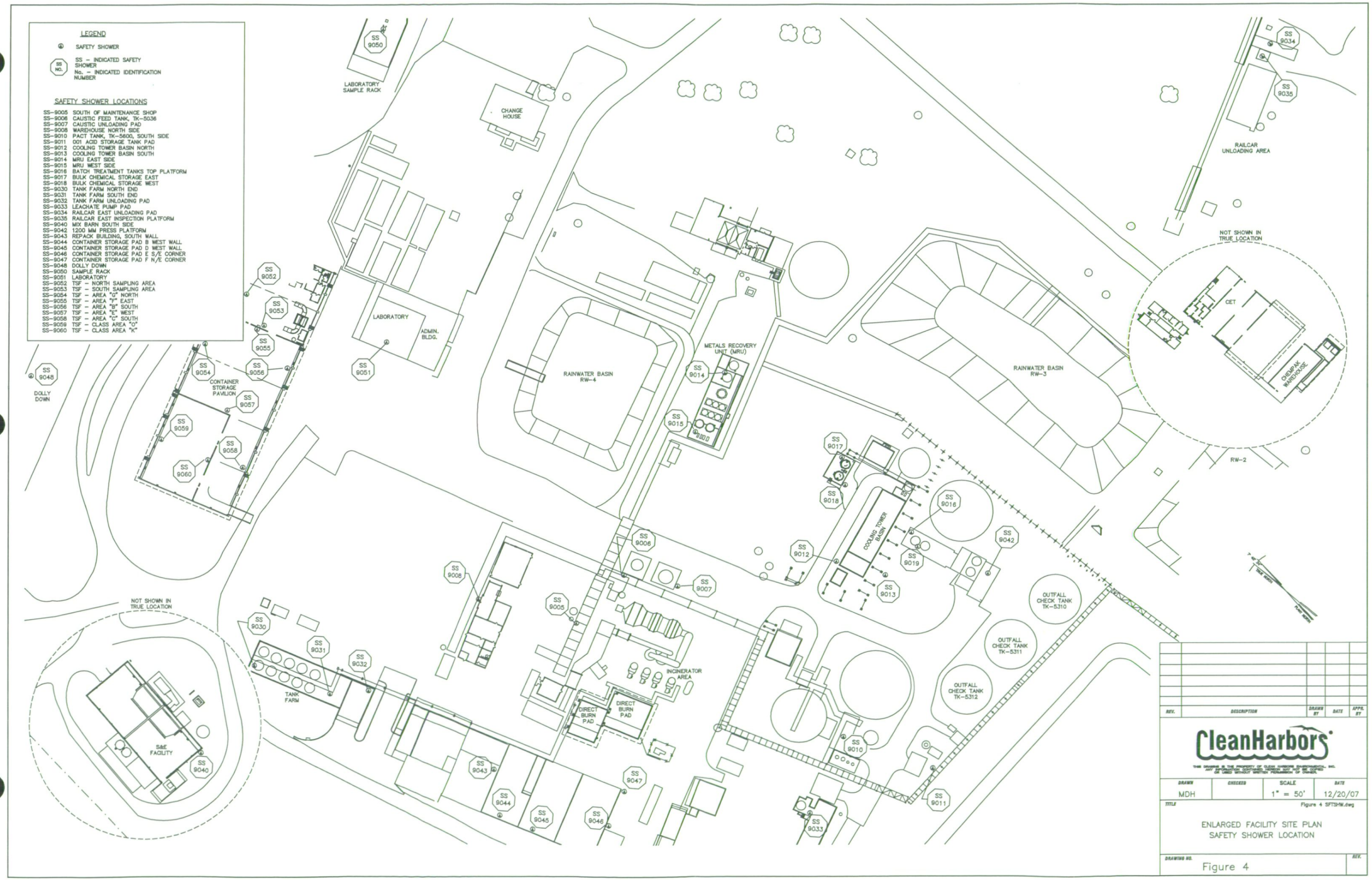
| DRAWN | CHECKED | SCALE | DATE |
|---|---|---|---|
| MDH | | NTS | 0/0/00 |

TITLE Figure 1 Plot Plan.dwg

EMERGENCY ASSEMBLY POINTS
AND EVACUATION ROUTES

DRAWING NO. Figure 3

REV.




| REV. | DESCRIPTION | DRAWN BY | DATE | APPR. BY |
|---|---|---|---|---|

CleanHarbors

THIS DRAWING IS THE PROPERTY OF CLEAN HARBORS ENVIRONMENTAL, INC. ANY INFORMATION CONTAINED THEREON MAY NOT BE COPIED OR USED WITHOUT WRITTEN PERMISSION OF OWNER.

| DRAWN | CHECKED | SCALE | DATE |
|---|---|---|---|
| MDH | | 1" = 50' | 12/20/07 |

TITLE Figure 4 SFTSHW.dwg

ENLARGED FACILITY SITE PLAN
SAFETY SHOWER LOCATION

DRAWING NO. Figure 4

REV.

7° 45' 32"
TRUE NORTH
PLANT NORTH
LEGEND
MONITOR ASSEMBLY
POST INDICATOR VALVE
HYDRANT
VALVE BOX @ GRADE
0
AS-BUILT
MDH
12/07
REV.
DESCRIPTION
DRAWN BY
DATE
APPR. BY
CleanHarbors
DRAWN
MDH
CHECKED
SCALE
NTS
DATE
12/28/07
TITLE
Figure 5 Fire Protection Equipment.dwg
ENLARGED DETAIL PROCESS AREA
FIRE PROTECTION SYSTEM
PIPING AND EQUIPMENT ARRANGEMENT
DRAWING NO.
FIGURE 5
REV.
0

# APPENDIX H

# INSPECTION PLAN
# AND
# SCHEDULE OF INSPECTION FOR CLOSED LANDFILL CELLS

**CLEAN HARBORS BATON ROUGE, LLC**

**INSPECTION PLAN-CLOSED LANDFILL CELLS**

**TABLE OF CONTENTS**


1.0 INTRODUCTION

2.0 INSPECTION PROGRAM ADMINISTRATION

- 2.1 Personnel Qualifications
- 2.2 Hazard Assessment and Evaluation Procedures
- 2.3 Documentation and Record Keeping

3.0 GENERAL FACILITY INSPECTION

- 3.1 Types of Potential Problems
- 3.2 Landfill Inspection Schedules
- 3.3 Landfill Inspection Procedures

Table 1 Inspection Schedules

Figure 1 Inspection Checklists

# INSPECTION PLAN

In accordance with the regulatory requirements set forth in the Louisiana Administrative Code (LAC) Title 33, Part V.1509, Clean Harbors Baton Rouge, LLC has developed this Inspection Plan as an integral section of the Part II Permit Renewal Application for Post-Closure activities for Landfill Cell 717. The procedures set forth in this plan are intended to show how this facility will be in compliance with applicable requirements of the LAC. A copy of this plan will be available at the facility at all times during the post-closure period.

## 1.0 INTRODUCTION

This Inspection Plan is intended to provide a mechanism to minimize and detect system malfunctions, equipment deterioration and operator errors which if allowed to continue without remedy may ultimately lead to a release of hazardous waste constituents to the environment or create a threat to human health. The Inspection Plan is designed to provide an early warning of the potential for such events in order that corrective and preventive actions may be taken in a timely manner.

The Inspection Program is implemented by qualified individuals who are assigned the responsibility to detect any non-compliant conditions at the facility and prevent adverse consequences. The designated individuals have the training and authority to: (1) implement the required inspections; (2) perform necessary evaluations and hazard assessments; and (3) order appropriate corrective or remedial actions.

Inspections are performed according to a pre-determined schedule based on engineering knowledge and operational experience with the systems and processes involved. Each inspection item has the content and frequency necessary to alert facility personnel prior to development of a serious problem. A trained inspector evaluates, and assesses each item indicated for potential deficiency through regular observation of the process and procedures. The level of response and its timing is determined by the nature and seriousness of the problem identified, with protection of personnel and the prevention of adverse environmental impact being of paramount concern.

## 2.0 INSPECTION PROGRAM ADMINISTRATION

The General Manager is fully responsible for implementation of the Inspection Program. The inspection function operates independently of all other facility functions related to operations. Properly trained personnel are designated with the staff responsibility for the inspections. Reports of the results of the inspections with appropriate documentation are completed according to the attached schedule and made available to the General Manager. The General Manager is responsible for ensuring that the appropriate corrective measures are implemented in a timely manner.

### 2.1 Personnel Qualifications

Personnel responsible for conducting inspections are trained in hazardous waste management, fundamentals of material hazards assessment, inspection and follow-up procedures, documentation and record-keeping requirements, and various safety and contingency plan procedures.

## 2.2 Hazard Assessment and Evaluation Procedures

The designated inspector must be familiar with the location of the systems to be inspected and their normal configuration. For any discrepancy observed, the inspector shall determine the potential for personnel injury or for release of hazardous waste constituents and assess the nature and timing of remedial action required. His/her determination considers (1) the location and nature of the problem, (2) the presence of secondary containment or control, (3) the amount and type of waste material involved, (4) the potential for human exposure, and (5) the likelihood of waste migration.

The inspector maintains open lines of communication with the General Manager and other facility personnel who may assist with the corrective actions.

When an inspection indicates landfill deterioration, or any other improper condition, at a minimum, the following actions are to be taken as appropriate:

- Assess the situation.
- Determine the corrective/remedial measures needed in response to the situation, including appropriate interim measures.
- Establish the time frame within which the remedial action must occur. For emergency or near-emergency situations, prompt verbal reports are made to the General Manager, to be followed later with written reports. For minor discrepancies, routine written reporting procedures, as discussed later, will be followed.
- Provide adequate follow-up to verify that the specified response has occurred and that the situation has been resolved satisfactorily.

In general, all remedial actions and re-inspections are expected to be completed within the week following the initial inspection in which a deficiency was noted. In specific cases where urgent action is required, appropriate coordination with facility personnel and frequent monitoring of the situation by the inspector will be continued until remedial actions are completed. In cases where physical and/or operational constraints may require longer time frames to complete the corrective measures, the inspection report will document completion of the work.

### 2.3 Documentation and Record Keeping

Inspections are conducted and documented using forms specifically designed to contain pertinent information. Completed inspection forms are filed in the facility's Operating Record following completion of all applicable notations regarding corrective actions. In some instances, a remedial work order that describes more complex corrective actions may also accompany the inspection documents. All completed forms and attachments are accumulated in the facility operating record. These are retained at the facility for a minimum period of three years from the date of an inspection.

Separate inspection forms are provided for specified daily, weekly, monthly or other scheduled inspections. Each periodic inspection form includes required information, such as the identification of the facility unit, the name of the inspector, and the date and time of the inspection. These forms may be periodically modified (without necessitating a formal Permit Modification) to accommodate the changing needs of the facility. The inspector's assessments, including notations of the urgency of the required response, are marked on the form. Any significant discrepancy is reported immediately to the General Manager.

In summary, the inspector observes each area to be inspected on a periodic basis in accordance with a specified schedule and inspection elements. The inspector will initiate the required corrective actions and note them on the inspection form. In the event that the corrective actions are too extensive or require additional actions on the part of the General Manager, a remedial work order form may be created, and then corrective action is initiated. In any case, the corrective actions will be noted on the applicable inspection forms.

In cases where specialized outside contractors are used to perform testing or inspection services, the results are reported on the contractor's forms. Such documentation is made part of the Operating Record when received.

## 3.0 CLOSED LANDFILL CELL INSPECTION

The inspection of the closed landfill cells includes specific areas of concern that, if left unattended, could cause a potential release of hazardous waste constituents that could threaten human health or the environment.

The inspection schedules, including inspection parameters and frequencies, are determined by the types of problems that can potentially occur.

### 3.1 Types of Potential Problems

The following considerations are pertinent to identification of the types of problems that may occur related to the landfill areas:

- Cracks on the crest, embankment slopes, other areas of run-on/run-off control diking or landfill support levees;
- Settlement, depressions, or sink holes on the embankment or downstream toe areas;
- Movement resulting in irregularities in alignment or non-uniformity of slopes, such as slides, sloughs, or bulges;
- Erosion by surface run-off, seepage, or irrigation on the crest;
- Seepage on the embankment slopes, abutments, and downstream toe area;
- Damp areas on the downstream slope, abutments, and downstream toe area;
- Animal burrows, trees and brush growth on the crest, slopes, abutment, and toe areas that could cause detrimental seepage or obstruct areas from inspection;
- Condition of the surface drainage facilities and their ability to prevent erosion or ponding;
- Any erosion of cap areas;
- Any erosion of support levee slopes and/or loss of protective ground cover;
- Any sink holes on capped areas that would indicate a collapse of void spaces;
- Any other irregularities that could suggest a problem situation.

## 3.2 Landfill Inspection Schedules

The landfill inspection schedules are based on the facility's operational mode, potential failure modes, and an assessment of the hazard magnitude posed by a particular malfunction, failure or discrepancy. The inspection forms and the inspection schedule in Table 1 used for documenting the inspections are attached to this Inspection Plan. Each form identifies name of the inspector, the specific area being inspected, the date and time of the inspection, the types of problems that may be encountered, any pertinent observations made during the inspection, and the date and nature of any repairs or remedial actions taken to remedy any noted deficiencies. These forms may be modified from time to time, as appropriate, to ensure compliance with regulatory changes and to better serve the needs of the facility. It should be noted that the inspection frequencies indicated herein are minimum frequencies, and often, the inspections occur more frequently than noted.

## 3.3 Landfill Inspection Procedures

All closed landfill areas will be inspected at least once per quarter. In accordance with the attached inspection schedules, the item listed will be inspected, and the proper notations will be made on the inspection forms. If any deficiencies are observed, the exact condition and location will be described in the Comments

Section of the form(s). Corrective actions will be initiated as soon as practical, and notations as to the nature and completion time of the corrective actions will be noted on the forms. All completed inspection forms are filed in the Operating Record. The attached forms are examples of inspection forms.

## TABLE 1
## CLOSED LANDFILL INSPECTION SCHEDULE

| Inspection Item/ Area | Type of Problem | Frequency of Inspection |
|---|---|---|
| Run-On/Run-Off | Blockage, sedimentation, erosion, Inadequate volume | Quarterly |
| Landfill Cover | Erosion, settling, subsidence, holes, Ponding water, excessive vegetation Inadequate grass cover | Quarterly |
| Leak Detection System | Pumps and meters inoperable, damaged | Weekly |
| Leachate Collection System | High liquid level, pumps inoperable, Pipes leaking or damaged | Weekly |
| Survey Bench Marks* | Damaged or otherwise disturbed | Quarterly |

***Portions of the inspection may be completed by a third party. Any reports developed by others will also be maintained in the Operating Record. Settlement surveys will be performed once every five years by a sub contractor.**

# Clean Harbors Baton Rouge, LLC
## RCRA Landfill Inspection Program

**Inspector:** _____ **Date of Inspection:** _____

**Title:** _____ **Time of Inspection:** _____

**INSTRUCTIONS:**

If the item/area is satisfactory, place a circle around the "S." If the item/area is unsatisfactory, place a circle around the "U." If there is some concern or if a comment is warranted, circle the "C" and record the necessary comments. All items must indicate a status, either satisfactory or unsatisfactory. All items/areas deemed unsatisfactory should be explained fully on the Inspection Report. The report must be submitted upon completion to the Compliance Department.

## C. LANDFILL INSPECTION - Section 717 (Closed)

| ITEM/AREA | POTENTIAL PROBLEM | FREQUENCY (D)Daily (W)Weekly (Q)Quarterly | PROCEDURES | STATUS |
|---|---|---|---|---|
| Run-on and Run-off Diversion System (berms and ditches) | Blockage, Sedimentation, Erosion, Inadequate Volume | Q | Visual | S U C |
| Landfill Cover of Closed Areas | Erosion, Holes, Inadequate Grass Cover, Ponding Water, Excessive Vegetation | Q | Visual | S U C |
| Leak Detection System | Pumps/Meters Damaged or Inoperable | W | Visual | S U C |
| Leachate Collection System | High Liquid Level, Pumps Inoperable, Pipes Leaking or Damaged | W | Visual | S U C |
| Survey Bench Marks | Disturbed | Q | Visual | S U C |

**Comments:** Describe Problem and Repair/Response/Time Required. _____

_____

**Date Repairs/Response Completed:** _____

_____

_____

ODF137 - Rev. 2/04

# Weekly Leak Detection System Inspections

**Date:** _____ **Inspector:** _____

**Landfill Cell 901 Leak Detection System**

| Well Number | Pump Condition | Piping Condition | Meter Reading | Previous Meter Reading | Volume Pumped |
|---|---|---|---|---|---|
| LD-901-1 | | | | | |
| LD-901-2 | | | | | |
| LD-901-3 | | | | | |
| LD-901-4 | | | | | |
| | | | | Total | |

**Landfill Cell 902 Leak Detection System**

| Well Number | Pump Condition | Piping Condition | Meter Reading | Previous Meter Reading | Volume Pumped |
|---|---|---|---|---|---|
| LD-902-1 | | | | | |
| LD-902-2 | | | | | |
| | | | | Total | |

**Landfill Cell 904 Leak Detection System**

| Well Number | Pump Condition | Piping Condition | Meter Reading | Previous Meter Reading | Volume Pumped |
|---|---|---|---|---|---|
| LD-904-1 | | | | | |
| LD-904-2 | | | | | |
| | | | | | |
| | | | | Total | |

**Landfill Cell 717 Leak Detection System**

| Well Number | Pump Condition | Piping Condition | Meter Reading | Previous Meter Reading | Volume Pumped |
|---|---|---|---|---|---|
| LD-717-4 | | | | | |
| LD-717-5 | | | | | |
| LD-717-6 | | | | | |
| | | | | Total | |

Comments: _____

# APPENDIX I

# TRAINING PLAN

# TRAINING PLAN

The training program for Clean Harbors Baton Rouge, LLC was written and is administered to comply with the requirements set forth by LAC 33:V.1515. The program consists of the following elements:

The training program is directed and maintained by a corporate training department and administered by that department as well as regional and local personnel with experience in the subject matter. Other outside contractors may also be used for training.

A written job description for each position at the facility, related to hazardous waste management, is maintained. At a minimum, each job description includes a summary of the position accountability, detailed listing of the major job tasks and responsibilities, and the minimum qualifications required to perform assigned duties. A current record is maintained of all employee job positions and the name of the employee currently filling each position.

Based upon the job description, a training group (program) has been developed for each position which includes, at a minimum, operating, safety, and hazardous waste management procedures, including contingency plan implementation, which are relevant to the position. These training groups are reviewed and updated on an ongoing basis to reflect changes in operational status and/or the development and inclusion of new operating procedures. Training programs and modules for the training groups may include, but are not limited to, a combination of the following:

- Hazardous waste management procedures
- OSHA §1910 standards
- Hazardous communications
- Contingency Plan
- Inspection Plan
- Security
- Equipment operations
- Container storage
- Waste receiving and shipping, including DOT standards
- Waste tracking
- Safety, first aid, and CPR
- Safe work practices and housekeeping
- Confined space
- PPE and respirator protection

Training groups may be updated and changed due to job description, operational, or other changes. At a minimum, the program is designed to ensure that facility personnel are able to perform their jobs safely and efficiently, and respond effectively to emergencies. Through the training program, personnel are familiarized with emergency procedures, emergency equipment,

and emergency systems, including, as applicable:

- Procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment
- Communications or alarm systems
- Response to spills
- Response to fires or explosions
- Shutdown of operations

Training sessions are held at regular intervals for personnel in routine plant operation. Training sessions or meetings may also be held to inform and train representatives of local fire and police departments, and emergency response teams. The training sessions include the following:

- plant layout
- location of possible hazards
- emergency equipment location and operation
- evacuation plan and route
- power and waste stream cut-offs
- communications equipment and phone numbers of all required contacts
- other critical information and procedures

Facility personnel must successfully complete the program required in LAC 33:V.1515.A, within six months after the effective date of their employment or assignment to the facility, whichever is later. Employees do not work in unsupervised positions until they have completed the training requirements in LAC 33:V.1515.A.

**Initial Training**: Initial training is conducted with all new hires to include basic policies and procedures as they apply to general facility safety and conduct rules, policies and procedures applicable to the area of operations assigned and plant procedures specific to the employee's direct job position, as defined by his/her training group assignment.

**Annual Training**: On an annual basis, all personnel participate in refresher training which includes, at a minimum, all plant procedures and specific operating procedures included in the individual's defined training group.

**Continuing Training**: The facility provides, on an ongoing basis as needed, training to employees to address operational or policy changes, which directly relate to their job tasks or functionality within the facility.

Operational personnel who change job positions will participate in a training program of classroom and on-the-job training, which teaches the employee to perform his/her job duties and is associated

with his/her defined training group.

The site-specific training documents are maintained at the facility, and these documents describe the procedures used to train operational personnel. The type and amount of both introductory and continued training provided to all facility personnel is also described in the corporate training program. This training program may be modified as appropriate at the discretion of the permittee.

Documentation of required and completed training is maintained for all facility personnel. The training records document:

- description of the information or subject covered
- date of training
- signature and acknowledgment of training by the trainee
- signature by the trainer acknowledging training provided

Training records for current personnel are maintained by the facility until closure of the facility to comply with requirements of §1515.D.4. Training records for former employees are retained for a minimum of three years from the last date worked to comply with the requirements of §1515.E.

# APPENDIX J

- Figure 2-1 RCRA & SWMU Units, Corrective Measures Study
- Figure 2-2 Area Designations, Corrective Measures Study
- Corrective Measures Study Correspondence

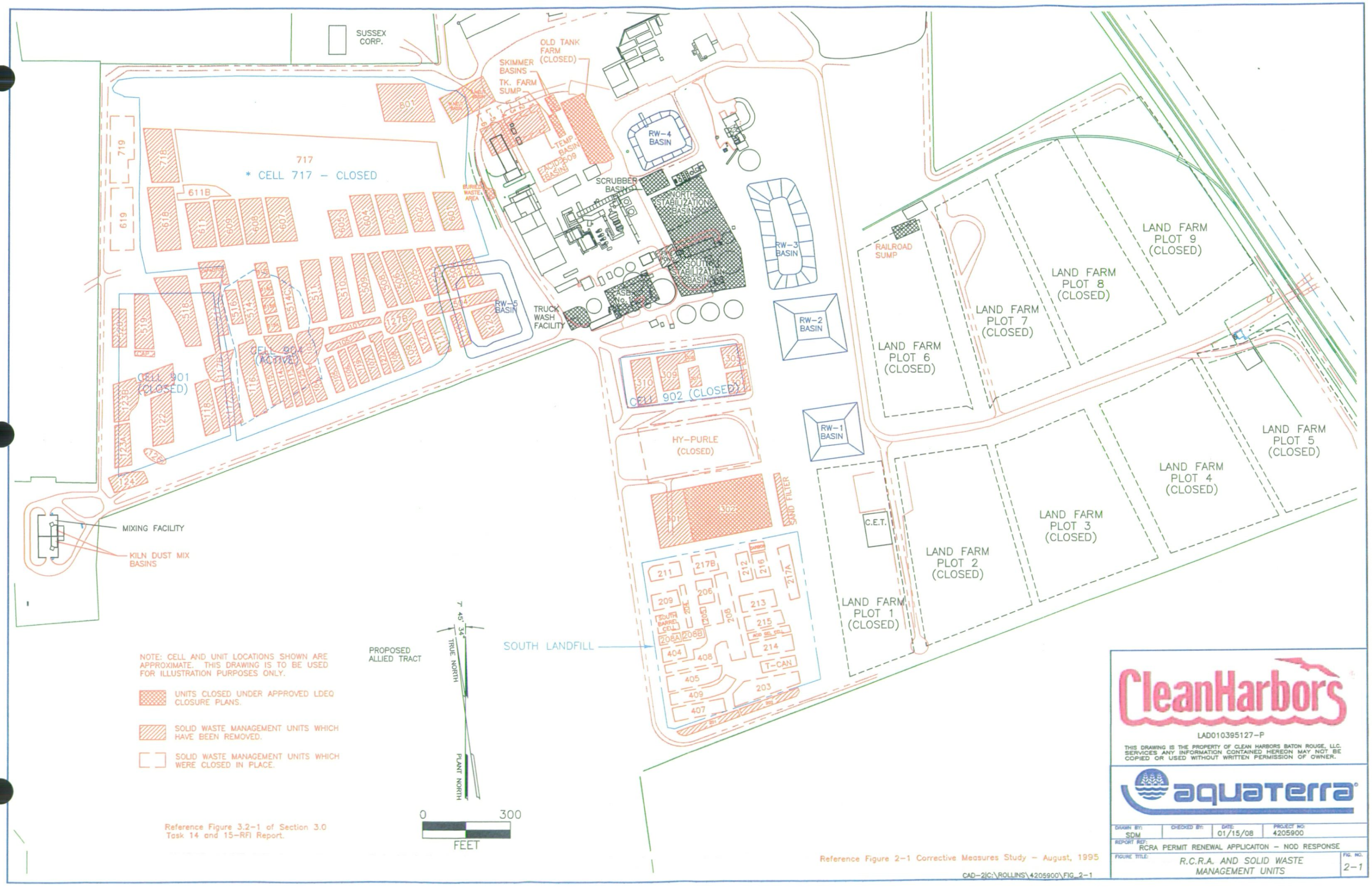

SUSSEX CORP.
OLD TANK FARM (CLOSED)
SKIMMER BASINS
TK. FARM SUMP
TEMP. BASIN
ACID BASIN
RW-4 BASIN
SCRUBBER BASIN
NORTH STABILIZATION BASIN
SOUTH STABILIZATION BASIN
ASB No. 1
RW-3 BASIN
RW-2 BASIN
RW-1 BASIN
RW-5 BASIN
TRUCK WASH FACILITY
BURIED WASTE AREA
717
* CELL 717 - CLOSED
CELL 901 (CLOSED)
CELL 904 (ACTIVE)
CELL 902 (CLOSED)
HY-PURLE (CLOSED)
SAND FILTER
RAILROAD SUMP
C.E.T.
LAND FARM PLOT 1 (CLOSED)
LAND FARM PLOT 2 (CLOSED)
LAND FARM PLOT 3 (CLOSED)
LAND FARM PLOT 4 (CLOSED)
LAND FARM PLOT 5 (CLOSED)
LAND FARM PLOT 6 (CLOSED)
LAND FARM PLOT 7 (CLOSED)
LAND FARM PLOT 8 (CLOSED)
LAND FARM PLOT 9 (CLOSED)
MIXING FACILITY
KILN DUST MIX BASINS
SOUTH LANDFILL
PROPOSED ALLIED TRACT
TRUE NORTH
PLANT NORTH
7° 45' 34"
0
300
FEET
NOTE: CELL AND UNIT LOCATIONS SHOWN ARE APPROXIMATE. THIS DRAWING IS TO BE USED FOR ILLUSTRATION PURPOSES ONLY.
UNITS CLOSED UNDER APPROVED LDEQ CLOSURE PLANS.
SOLID WASTE MANAGEMENT UNITS WHICH HAVE BEEN REMOVED.
SOLID WASTE MANAGEMENT UNITS WHICH WERE CLOSED IN PLACE.
Reference Figure 3.2-1 of Section 3.0 Task 14 and 15-RFI Report.
Reference Figure 2-1 Corrective Measures Study - August, 1995
CAD-2|C:\ROLLINS\4205900\FIG_2-1
CleanHarbors
LAD010395127-P
THIS DRAWING IS THE PROPERTY OF CLEAN HARBORS BATON ROUGE, LLC. SERVICES ANY INFORMATION CONTAINED HEREON MAY NOT BE COPIED OR USED WITHOUT WRITTEN PERMISSION OF OWNER.
aquaterra
DRAWN BY: SDM
CHECKED BY:
DATE: 01/15/08
PROJECT NO: 4205900
REPORT REF: RCRA PERMIT RENEWAL APPLICAITON - NOD RESPONSE
FIGURE TITLE: R.C.R.A. AND SOLID WASTE MANAGEMENT UNITS
FIG. NO. 2-1

FIG. REF: FIGURE 4.1-1
RFI, TASK 16, SECTION 4.0

Reference Figure 2-2 Corrective Measures Study – August, 1995

CAD-2|C:\ROLLINS\4205900\FIG_2-2

CleanHarbors

LAD010395127-P

THIS DRAWING IS THE PROPERTY OF CLEAN HARBORS BATON ROUGE, LLC. SERVICES ANY INFORMATION CONTAINED HEREON MAY NOT BE COPIED OR USED WITHOUT WRITTEN PERMISSION OF OWNER.

aquaterra

| DRAWN BY: | CHECKED BY: | DATE: | PROJECT NO: |
|---|---|---|---|
| SDM | | 01/16/08 | 4205900 |

REPORT REF: RCRA PERMIT RENEWAL APPLICAITON – NOD RESPONSE

FIGURE TITLE: AREA DESIGNATIONS

FIG. NO. 2-2

OCT 19 1992

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

October 16, 1992

CERTIFIED MAIL - RETURN RECEIPT REQUESTED #P 176 163 642

Mr. Peter F. Atkins, Jr.
ENCOTEC
3985 Research Park Drive
Ann Arbor, Michigan 48108

RE: RES RFI Draft Report Approval
(all portions except air characterization)

Dear Mr. Atkins:

The United States Environmental Protection Agency (EPA) is in receipt of the final revisions to several portions of the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Draft Report for the Rollins Environmental Services (RES), Inc. facility, located in Baton Rouge, Louisiana. The RFI Draft Report was prepared by ENCOTEC for RES, owner of the facility. RES submitted the RFI Draft Report to EPA as one of the requirements of the Administrative Order on Consent (Consent Order), U.S. EPA Docket No. VI-004(h)-88-H, dated May 1, 1989.

The following portions (as designated in the Corrective Action Plan of the Consent Order) of the RFI Draft Report are approved by this letter:

| TASK | SECTION | DESCRIPTION |
|---|---|---|
| III | A.1. | Hydrogeology |
| III | A.2. | Soils |
| III | A.3. | Surface Water and Sediment |
| III | B.1. | Unit/Disposal Area Characterization |
| III | B.2. | Waste Characteristics |
| III | C.1. | Ground Water Contamination |
| III | C.2. | Soil Contamination |
| III | C.3. | Surface Water and Sediment Contamination |
| III | D. | Potential Receptors |
| IV | A. | Data Analysis |
| IV | B. | Protection Standards |



Printed on Recycled Paper

EPA is currently reviewing and evaluating Sections III.A.4. and III.C.4. of the above referenced report (Air Characterization portion). If you have any questions or comments, please contact Mike Hebert at (214) 655-6480.

Sincerely,

for Randall E. Brown
RCRA Enforcement Branch (6H-C)

cc: Louis Johnson (LDEQ)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

NOV 29 1993

CERTIFIED MAIL - RETURN RECEIPT REQUESTED #P 176 163 650

Mr. John C. Arbuthnot, P.E.
Rollins Environmental Services (LA), Inc.
P.O. Box 74137
Baton Rouge, LA. 70874-4137

RE: RES RFI Report Approval

Dear Mr. Arbuthnot:

The United States Environmental Protection Agency (EPA) is in receipt of the final revisions to the air characterization portions of the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Draft Report for the Rollins Environmental Services (RES), Inc. facility, located in Baton Rouge, Louisiana. The RFI Draft Report was prepared by ENCOTEC for RES, owner of the facility. RES submitted the RFI Draft Report to EPA as one of the requirements of the Administrative Order on Consent (Consent Order), U.S. EPA Docket No. VI-004(h)-88-H, dated May 1, 1989.

The following portions (as designated in the Corrective Action Plan of the Consent Order) of the RFI Draft Report are approved by this letter:

| TASK | SECTION | DESCRIPTION |
|---|---|---|
| III | A.4. | Air |
| III | C.4. | Air Contamination |

By this approval and the related approval within EPA's letter to you dated October 16, 1992, (i.e. RES RFI Draft Report Approval - all portions except air characterization), the RES RFI Report is approved. Therefore, the activities associated with the Corrective Measure Study shall be initiated according the schedule in the EPA Hazardous and Solid Waste Amendments (HSWA) Permit which became effective on April 15, 1991.

RECEIVED 12-9-93

Printed on Recycled Paper

This letter also serves notice that Mr. Arnold Bierschenk (6H-PL) assumes the role of EPA Project Coordinator for managing corrective action activities at RES. Mr. Bierschenk will serve as primary contact between the EPA and RES and can be contacted at (214) 655-7435. Therefore, all future submittals required by the above HSWA permit should be addressed to Mr. Bierschenk. If you have any questions or comments, please contact Mike Hebert at (214) 655-8315.

Sincerely yours,

R E Brown

Randall E. Brown
RCRA Enforcement Branch (6H-C)

cc: Louis Johnson (LDEQ)
Peter F. Atkins (ENCOTEC)

# State of Louisiana

## Department of Environmental Quality

M.J. "MIKE" FOSTER, JR.
GOVERNOR

J. DALE GIVENS
SECRETARY

October 01, 1998

CERTIFIED - RETURN RECEIPT REQUESTED (P 531 379 006)

RECEIVED
OCT 05 1998
Laidlaw Environmental Services (Baton Rouge) Inc.

Mr. Paul W. Kimble, Vice President
Safety-Kleen (Baton Rouge), Inc.
P. O. Box 74137
Baton Rouge, Louisiana 70874-4137

RE: Corrective Measures Study Report -- Approval with Stipulations
Safety-Kleen (Baton Rouge), Inc. (formerly Laidlaw/Rollins) — LAD 010 395 127

Dear Mr. Kimble:

The Louisiana Department of Environmental Quality - Hazardous Waste Division (LDEQ-HWD) has completed a review of the of Safety-Kleen (Baton Rouge), Inc.'s (then Rollins) "Draft Corrective Measures Study" dated August 1995. Additionally, LDEQ-HWD has reviewed Safety-Kleen's responses to LDEQ's "Notice of Deficiency" dated May 30, 1997, which were submitted as "Addendum No. 1 Report", dated December 1997 and "Addendum No. 2 Report" dated August 1998. Based on a review of these documents, LDEQ hereby grants approval of Safety-Kleen's "Corrective Measures Study Report". After implementation of the proposed remedy, the effectiveness of the remedy must be evaluated and reported to LDEQ at least annually to ensure that all corrective action objectives are met. In the event that the annual evaluation indicates that the proposed remedy does not meet the objectives outlined in the approved "Corrective Measures Study Report", Safety-Kleen must submit plans and schedules for augmenting the final remedy to achieve the required objectives. Safety-Kleen is additionally notified that a "Corrective Measure Design Report" including detailed design drawings and specifications for the proposed final remedy must be submitted within 180 days following the date of the Final Remedy selection via an agency-initiated modification of Safety-Kleen's Operating Permit.

Our staff is available to meet with Safety-Kleen representatives to discuss any issues related to this matter. Please direct any questions or comments regarding this matter to Mr. Steve Archibald or Mr. Narendra M. Dave, Chief Geologist, at (504) 765-0361. Thank you for your continued cooperation.

Sincerely,

James H. Brent

James H. Brent, Ph.D.
Administrator

JHB:NMD:SMA

c: Laurie King, USEPA-Region 6
Dennis Strickland, LDEQ-HWD-Permits

OFFICE OF WASTE SERVICES HAZARDOUS WASTE DIVISION P.O. BOX 82178 BATON ROUGE, LOUISIANA 70884-2178

TELEPHONE (504) 765-0355 FAX (504) 765-0617

# State of Louisiana

## Department of Environmental Quality

M. J. "MIKE" FOSTER, JR.
GOVERNOR

L. HALL BOHLINGER
SECRETARY

CLEAN HARBORS RECEIVED JUL - 7 BATON ROUGE, LA

June 30, 2003

Mr. John Arbuthnot
Clean Harbors Baton Rouge, LLC
13351 Scenic Highway
Baton Rouge, LA 70807-1021

Re: Final Remedy Selection – Final Determination
Areas of Concern 1, 2, 3, 4, 5, 6, 7 and 002 Outfall Ditch
Clean Harbors Baton Rouge, LLC (AI No. 1516)
EPA ID Number LAD 010 395 127-P
13351 Scenic Highway, Baton Rouge (East Baton Rouge Parish) Louisiana

Dear Mr. Arbuthnot:

The Louisiana Department of Environmental Quality – Environmental Technology Division (LDEQ-ETD) has reviewed the "Draft Corrective Measures Study" dated August 3, 1995, and the "Addendum No. 2 Corrective Measures Study" dated August 24, 1998, for the above referenced Areas of Concern.

Based on the review of these documents, LDEQ concurs that the proposed Corrective Measures provide overall protection of human health and the environment, a means to attain media clean-up standards for soil and groundwater (RECAP Screening Standards), a means to control the source of the releases, and are in compliance with standards for management of wastes, as applicable. This determination was based on the following decision factors: long-term reliability and effectiveness; reduction of the toxicity, mobility, and volume of wastes; short-term effectiveness; implementability; and cost. Accordingly, LDEQ publicly advertised the proposed action and provided for a comment period of 45 days prior to making a final determination regarding the Final Remedy Selection. Public comments received prior to the closing date were answered but had no effect on the remedy selection.

Therefore, the proposed Final Remedy for the eight Areas of Concern identified onsite is Alternative 1, which will consist, for AOCs 1-7, of enhancement of the current groundwater recovery and treatment system and the capping of the solid waste management unit areas with an engineered barrier, and for the 002-ditch sediment will consist of segregating the contaminated sediment by removal and secure landfilling. In addition the Final Remedy will also include (1) institutional controls to prohibit unauthorized access into the facility and limit access to, or use

of, the groundwater in the facility area; and (2) continuation of the ongoing groundwater corrective action monitoring program using the existing monitoring well network to monitor the effectiveness of the proposed remedies. The Final Remedy must be operated and maintained in accordance with regulations or approved permit, and will be a permit condition in the HSWA portion of the permit when renewed.. The Basis of Decision for this action is attached.

Please contact me at (225) 765-0489 with any questions. All correspondence must include the AI number and appropriate reference line information, and be submitted in triplicate to Keith Casanova, Administrator, Remediation Services Division, Louisiana Department of Environmental Quality, P.O. Box 4314, Baton Rouge, LA, 70821-4314. One of the copies should be directed to my attention.

Sincerely,

Dennis Piper, Geologist
Environmental Technology Division

Attachment

c: LDEQ File Scanning Room 1400 – Hazardous Waste
LDEQ Permits Division

## BASIS OF DECISION FOR FINAL REMEDY SELECTION

Areas of Concern 1, 2, 3, 4, 5, 6, 7 and 002 Outfall Ditch
Clean Harbors Baton Rouge, LLC (AI No. 1516) (LAD 010 395 127-P)
13351 Scenic Highway, Baton Rouge (East Baton Rouge Parish) Louisiana

The Louisiana Department of Environmental Quality – Environmental Technology Division (LDEQ-ETD) has reviewed the "Draft Corrective Measures Study" dated August 3, 1995, and the "Addendum No. 2 Corrective Measures Study" dated August 24, 1998, for the above referenced Areas of Concern. Based upon this review, we have determined that the proposed corrective measures are adequate to serve as the Final Remedy for Areas of Concern 1, 2, 3, 4, 5, 6, 7 and 002 Outfall Ditch (AOCs) under the provisions of the "Resource Conservation and Recovery Act (RCRA)," and the "Hazardous and Solid Waste Amendments (HSWA) to RCRA." This determination is based on the following considerations.

The Clean Harbors Baton Rouge, LLC facility is located at 13351 Scenic Highway in Baton Rouge, Louisiana. The facility is located within an industrialized area adjacent to and immediately west of U.S. 61, approximately seven miles north of the City of Baton Rouge, Louisiana (Sections 47, 48, and 51; Township 5 South; Range 1 West; Greensburg Land District; East Baton Rouge Parish). The facility property has been used for hazardous and non-hazardous waste storage, treatment and disposal (TSD) purposes since 1971 and this use category is not expected to change. The facility encompasses approximately 600 acres, of which approximately 200 acres have been utilized and permitted for waste TSD activities. The facility is situated within an industrial area that is bounded on the north by farm land, on the east by U.S. Highway 61, on the south by chemical plants, and on the west by the Baton Rouge Barge Terminal and swamp land bordering the Mississippi River. The Alsen Residential Community is located east of the facility across U.S. 61 with other residences located north of the facility and Brooklawn Drive.

Rollins Environmental Services, (LA), Inc. previously owned and operated the facility. Operations began at the site in the early 1970s. Following the merger of Rollins Environmental Services, Inc. and Laidlaw Environmental Services, Inc. in 1997, the name of the facility was changed to Laidlaw Environmental Services (Baton Rouge), Inc. Laidlaw Environmental Services, Inc. subsequently purchased Safety-Kleen, Inc. in 2000, and the name of the facility was changed to Safety-Kleen (Baton Rouge), Inc. In September 2002, Clean Harbors, Inc. and certain of its subsidiaries, purchased the Chemical Services Division of Safety-Kleen Services, Inc. including Safety-Kleen (Baton Rouge), Inc. As a result of the sale, Clean Harbors Baton Rouge, LLC is the current owner and operator of the facility at 13351 Scenic Highway in Baton Rouge, Louisiana.

Waste activities began on the central portion of the 200-acre site in 1971 prior to the promulgation of state and federal environmental regulations. During the 1970s, treatment, storage and disposal units consisted of various landfill cells, treatment units, and receiving basins. Subsurface investigations, upgrades and remediation of these areas began in the early 1980s. The RCRA Facility Investigation was completed in 1993. These investigation activities identified seven general areas of the facility and one outfall ditch where contamination is present.

Six of these areas (Areas 1 through 6) impact both soil and groundwater, while the seventh area (Area 7) only impacts the soil. Contamination was also identified in the 002 outfall ditch sediments (primarily polychlorinated biphenyls). The groundwater and ditch sediments were identified as the primary media of concern at the facility. For the groundwater, volatile organics (such as benzene, 1,2-dichloropropane, and tetrachloroethylene), semi-volatile organics, herbicides, and pesticides were identified and evaluated as Chemicals of Concern in a Detailed Risk Assessment. The Risk Assessment determined that the potential for onsite exposure was within EPA accepted levels and the potential for offsite exposure did not exceed EPA accepted levels for both the baseline and proposed in situ remedial alternatives.

The facility has an active groundwater pump and treat containment system that has been in operation since the early 1980s. The facility also conducts groundwater monitoring as mandated by the Resource and Recovery Act (RCRA) and the facility's operating and post-closure permits.

The facility is located where the Holocene Mississippi River Alluvial Valley adjoins the low Late Pleistocene Prairie Complex. The site is located entirely within the Prairie complex deposits and east of the Holocene deposits. The geologic processes have created nine stratigraphic units within the upper 150 feet beneath the site. The units consist of fine-grained deposits created by natural levee, crevasse splay, back swamp, valley fill and weathered loess depositional environments. These units are designated 1 through 9 from the surface downward. Units 3 and 4 are the upper permeable units located between 20 and 40 feet below grade. Units 6 and 8 are the lower permeable units located between 45 and 75 and 80 and 110 feet below grade, respectively. Units 1, 2, 5, 7 and 9 represent fine grain aquitards separating these permeable units. Groundwater in Units 3, 4, 6 and 8 is monitored at the facility.

The site is underlain by the Southern Hills Regional Aquifer System. The shallowest of these aquifers is present at a depth of approximately 200 feet below grade or approximately 50 feet below the deepest permeable unit (Unit 8) at the site. The aquifers present at the site include the 400-foot, 600-foot, 800-foot, 1000-foot, 1200-foot, 1500-foot, 1700-foot, 2000-foot, 2400-foot and 2800-foot sands. These aquifers are used for potable and industrial water supplies. Thick and extensive zones of clay between these individual deeper aquifers and the shallow permeable units provide an effective barrier for vertical migration of contaminants. There are no known permeable units within the uppermost 200 feet that are currently being used as a source of drinking water at the facility.

The proposed Final Remedy for the eight Areas of Concern identified onsite is Alternative 1, which will consist, for AOCs 1-7, of enhancement of the current groundwater recovery and treatment system and the capping of the solid waste management unit areas with an engineered barrier, and for the 002-ditch sediment will consist of segregating the contaminated sediment by removal and secure landfilling. In addition the Final Remedy will also include (1) institutional controls to prohibit unauthorized access into the facility and limit access to, or use of, the groundwater in the facility area; and (2) continuation of the ongoing groundwater corrective action monitoring program using the existing monitoring well network to monitor the effectiveness of the proposed remedies. In the event the proposed remedies do not appear effective, modifications or other remedies may be necessary.

The proposed remedies meet the Corrective Measures Study (CMS) objectives of protecting human health and the environment, having short- and long-term reliability and effectiveness, and reducing the mobility and volume of wastes. The Risk Assessment and Groundwater Modeling conducted as part of the CMS demonstrated the effectiveness of these remedies to protect human health and the environment and concluded that there are no complete exposure pathways to human or ecological receptors.

The Areas of Concern shall be operated, inspected, and maintained as necessary or required under permit or regulation, throughout the post-closure care and corrective action periods to ensure proper operation. Upon completion of corrective action and confirmation sampling, these areas shall be considered for a "No Further Action – At this Time" (NFA-ATT) determination by LDEQ. Any area closed with constituent concentrations above the industrial RECAP Screening Standards will require a mortgage and conveyance notification to be filed in the parish conveyance records prior to the issuance of a NFA-ATT by LDEQ. These areas of concern shall be remediated to levels acceptable for industrial use. In accordance with LAC 33:I. Chapter 13, if land use changes from industrial to non-industrial, the responsible party shall notify the LDEQ within 30 days and the area of interest shall be reevaluated to determine if conditions are appropriate for the proposed land use. Future use may dictate additional remedial activities. No contaminated soils may be moved from this location without written authorization from the LDEQ.

**References**

"Draft Corrective Measures Study," August 3, 1995, prepared on behalf of Rollins Environmental Services (LA), Inc. by Aquaterra and ENCOTEC.

"Addendum No. 2 Corrective Measures Study," August 24, 1998, prepared on behalf of Safety-Kleen (Baton Rouge), Inc. by Aquaterra and Laidlaw Environmental Services Consulting Group.

"2002 Annual Groundwater Monitoring Report," February 27, 2003, prepared on behalf of Clean Harbors Baton Rouge, LLC by Cameron-Cole, LLC.

PUBLIC NOTICE

# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
# NOTICE OF REQUEST FOR PUBLIC COMMENT ON A HAZARDOUS WASTE FINAL REMEDY SELECTION FOR RCRA CORRECTIVE MEASURES
# CLEAN HARBORS BATON ROUGE, LLC

## LDEQ HEADQUARTERS IS MOVING... PLEASE NOTE DETAILS IN THE NOTICE

The LDEQ – Office of Environmental Assessment (LDEQ-OEA), Environmental Technology Division (ETD), will receive comments on the final remedy selection for corrective measures regarding Areas of Concern 1, 2, 3, 4, 5, 6, 7 and the 002 Outfall Ditch (AOCs) for the **Clean Harbors Baton Rouge LLC, 13351 Scenic Highway, Baton Rouge (East Baton Rouge Parish) Louisiana.**

The LDEQ - Remediation Services Division (LDEQ-RSD) reviewed the "Draft Corrective Measures Study" dated August 3, 1995, and the "Addendum No. 2 Corrective Measures Study" dated August 24, 1998, for the above referenced AOCs. Based upon this review, we have determined that the proposed corrective measures are adequate to serve as the Final Remedy for Areas 1 through 7 and the 002 Outfall Ditch under the provisions of the Resource Conservation and Recovery Act (RCRA), and the Hazardous and Solid Waste Amendments (HSWA) to RCRA.

Written comments, written requests for a public hearing, or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Monday, June 30, 2003.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

**The Draft Corrective Measures Study, the Addendum No. 2 Corrective Measures Study, the 2002 Annual Groundwater Monitoring Report, and the fact sheet are available for review at the LDEQ, Public Records Center, Room 4400, 7290 Bluebonnet Blvd., Baton Rouge, LA, through June 26, 2003. Beginning July 1, 2003, these documents will again be available for review at the LDEQ, Public Records Center, Room 1-127, 602 N. 5th Street, Baton Rouge, LA 70802. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). Because, LDEQ is moving to a new location, there will be a short break, between June 27 and July 1, in availability of these documents. For more information regarding the moving process, please contact Ms. Soumaya Ghosn at (225) 765-0908.**

Additional copies are available for review at the East Baton Rouge Parish Library, the Scotlandville Branch, 7373 Scenic Highway, Baton Rouge and the Bluebonnet Regional Branch, 9200 Bluebonnet Boulevard, Baton Rouge.

Additional information pertaining to the proposed final remedy selection for the Areas of Concern 1, 2, 3, 4, 5, 6, 7 and the 002 Outfall Ditch at the Clean Harbors Baton Rouge, LLC may be requested from Mr. Douglas Bradford, LDEQ-OEA, Environmental Technology Division, P.O. Box 4314, Baton Rouge, Louisiana 70821-4314, telephone (225) 765-0624.

Persons wishing to be included on the mailing list for permit actions involving this facility should contact Ms. Soumaya Ghosn in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 765-0908, or by email at maillistrequest@ldeq.org.

All correspondence should specify Agency Interest Number 1516 and EPA Facility ID Number LAD 010 395 127-P.

**Publication Date: May 15, 2003**

Received 12/8/03

# State of Louisiana
## Department of Environmental Quality

M. J. "MIKE" FOSTER, JR.
GOVERNOR

L. HALL BOHLINGER
SECRETARY

December 3, 2003

Clean Harbors Baton Rouge, LLC, through
CT CORPORATION SYSTEM
8550 United Plaza Blvd.
Baton Rouge, LA 70809

RE: Clean Harbors Baton Rouge, LLC
Baton Rouge, Louisiana
LAD 010 395 127-P
Agency Interest # 1516

Dear Sir or Madam:

Please find enclosed an Administrative Order regarding the above-referenced facility. This Order provides a schedule to implement tasks required by the Department.

Sincerely,

James H. Brent

James H. Brent, Ph.D.
Assistant Secretary

JHB:DPP

Enclosure

OFFICE OF ENVIRONMENTAL ASSESSMENT
P.O. BOX 4314 • BATON ROUGE, LOUISIANA 70821-4314 • TELEPHONE (225) 219-3406 • FAX (225) 219-3474
AN EQUAL OPPORTUNITY EMPLOYER

recycled paper
CONTAINS SOYOIL

STATE OF LOUISIANA

DEPARTMENT OF ENVIRONMENTAL QUALITY

IN THE MATTER OF

CLEAN HARBORS BATON ROUGE, LLC
LAD 010 395 127

PROCEEDINGS UNDER THE LOUISIANA ENVIRONMENTAL QUALITY ACT.
La. R.S. 30:2001. ET SEQ.

AI# 1516

## ADMINISTRATIVE ORDER

**********

The following ORDER is issued to Clean Harbors Baton Rouge, LLC (Respondent) by the Louisiana Department of Environmental Quality, under the authority granted by the Louisiana Environmental Quality Act (the Act), La. R.S. 30:2001, et, seq., in particular, La. R.S. 30:2011.D.6 and 2180, 2204 and LAC 33:V.Chapter 43.

## FINDINGS OF FACT

I.

Respondent owns and operates a commercial hazardous waste treatment, storage and disposal facility on US Highway 61 (north of Baton Rouge) in East Baton Rouge Parish, Louisiana.

II.

Respondent has managed solid and hazardous waste at its facility located in East Baton Rouge Parish, Louisiana, and is subject to the jurisdiction of the Department pursuant to La. R.S. 2011.A.1. The facility is a permitted Hazardous Waste facility, Permit Number LAD010395127. The facility was issued this hazardous waste operating permit on or about April 19, 1991. On October 20, 2000 the Department received a renewal permit application from the Respondent , which is currently under review.

III.

The facility property has been used for hazardous and non-hazardous waste storage, treatment and disposal (TSD) purposes since 1971 and based on the fact that the Respondent has submitted a renewal permit application for the Department's review this use category is not expected to change. The facility encompasses approximately 600 acres, of which approximately 200 acres have been utilized and permitted for waste TSD activities. The facility is situated within an industrial area that is bounded on the north by farmland, on the east by U.S. Highway 61, on the south by chemical plants, and on the west by the Baton Rouge Barge Terminal and swampland bordering the Mississippi River. The Alsen Residential Community is located east of the facility across U.S. 61 with other residences located north of the facility and Brooklawn Drive.

Rollins Environmental Services, (LA), Inc. previously owned and operated the facility. Operations began at the site in the early 1970s. Following the merger of Rollins Environmental Services, Inc. and Laidlaw Environmental Services, Inc. in 1997, the name of the facility was changed to Laidlaw Environmental Services (Baton Rouge), Inc. Laidlaw Environmental Services, Inc. subsequently purchased Safety-Kleen, Inc. in 2000, and the name of the facility was changed to Safety-Kleen (Baton Rouge), Inc. In September 2002, Clean Harbors, Inc. and certain of its subsidiaries, purchased the Chemical Services Division of Safety-Kleen Services, Inc. including Safety-Kleen (Baton Rouge), Inc. As a result of the sale, Clean Harbors Baton Rouge, LLC is the current owner and operator of the facility at 13351 Scenic Highway in Baton Rouge, Louisiana.

IV.

Waste activities began on the central portion of the 200-acre site in 1971. During the 1970s, treatment, storage and disposal units consisted of various landfill cells, treatment units, and receiving basins. Subsurface investigations, upgrades and remediation of these areas began in the early 1980s. The RCRA Facility Investigation (RFI) entitled "Final RCRA Facility Investigation at Rollins Environmental Services (LA) Inc., Baton Rouge, Louisiana" was completed in 1993 and approved by the EPA in a letter dated November 29, 1993. These investigation activities identified seven general areas of the facility and one outfall ditch where contamination is present. The RFI Report identified releases of hazardous waste, hazardous waste constituents and solid waste to both soil and groundwater in Areas 1-6, and soil in Area 7. Releases of hazardous waste, hazardous waste constituents

and solid waste were also identified in the 002 outfall ditch sediments. The groundwater and ditch sediments were identified as the primary media of concern at the facility. For the groundwater, volatile organics (such as benzene; 1,2-dichloropropane; and tetrachloroethylene), semi-volatile organics, herbicides and pesticides were identified and evaluated as Chemicals of Concern in a Detailed Risk Assessment (Risk Assessment for the Rollins Environmental Services (LA) Site, Baton Rouge, Louisiana dated December 2, 1993 and the Addendum to the Risk Assessment for the Rollins Environmental Services (LA) Site, Baton Rouge, Louisiana, dated July 31, 1995).

The facility has an active groundwater pump and treat containment system that has been in operation since the early 1980s. The facility also conducts groundwater monitoring as mandated by the Resource and Recovery Act (RCRA) and the facility's operating and post-closure permits. Based on these activities the facility is regulated under RCRA and LAC 33:Part V. The facility is further regulated under RCRA and LAC 33:Part V due to the receipt of and the treatment, storage and disposal of hazardous waste.

V.

In a letter from Mr. Dennis Piper of the Louisiana Department of Environmental Quality to Mr. John Arbuthnot of Clean Harbors Baton Rouge, LLC, dated June 30, 2003, the Department approved the Final Remedy for AOC's that the RFI identified as needing further remediation. The Final Remedy that was approved is Alternative 1 of the Corrective Measures Study included in the documents "Draft Corrective Measures Study," August 3, 1995, and the "Addendum No. 2 Corrective Measures Study," August 24, 1998 (available for public review at the LDEQ records review area in the Galvez Building, the Alsen Public Library, and the Bluebonnet Public Library) for the seven areas identified onsite, which will consist of enhancement of the current groundwater recovery and treatment system and the capping of the solid waste management unit areas with an engineered barrier. The proposed Final Remedy for the 002-ditch sediment is Alternative 1, which will consist of segregating the contaminated sediment by removal and secure landfilling. In addition the Final Remedy will also include (1) institutional controls to prohibit unauthorized access into the facility and limit access to, or use of, the groundwater in the facility area; and (2) continuation of the ongoing groundwater corrective action monitoring program using the existing monitoring well network to monitor the effectiveness of the proposed remedies.

The approved remedies meet the Corrective Measures Study objectives of protecting human health and the environment, having short- and long-term reliability and effectiveness, and reducing

the mobility and volume of wastes. The Risk Assessment and Groundwater Modeling conducted as part of the CMS demonstrated the effectiveness of these remedies to protect the human health and the environment, and concluded that there are no completed exposure pathways to human or ecological receptors.

VI

Based upon all information submitted, the Department hereby finds:

1. that releases of hazardous waste, hazardous waste constituents, and solid waste from the above-described facility are leaching, spilling, discharging or otherwise moving in, into, within, or on land, subsurface strata, water, and/or ground water and;
2. that Areas of Concern(AOC's) 1, 2, 3, 4, 5 and 6 as identified in the above-described RFI Report are impacted by releases and discharges of hazardous waste, hazardous waste constituents, and/or solid waste to both soil and groundwater;
3. that AOC 7 as described in the above-described RFI Report is impacted by releases and discharges of hazardous waste, hazardous waste constituents, and/or solid waste to the soil; and
4. that the 002 Outfall Ditch described in the above described RFI Report is impacted by the release and/or discharge of PCB's to sediments

ORDER

Based on the foregoing, Respondent is hereby ordered:

A. Respondent shall notify LDEQ in writing within thirty days of receipt of this Order of Respondent's irrevocable intent to comply with this Order. Failure of Respondent to provide such notification within this time period shall be a violation of this Order by such Respondent.

B. Within ninety (90) days of receipt of this order Respondent shall submit a Corrective Measures Implementation(CMI) Work Plan that will provide details on implementing the Final Remedy Selection. The CMI Work Plan shall include the following:

1. a general description of the work to be performed and a summary of the engineering design criteria;

2. maps showing the general location of the site and the existing conditions of the facility;

3. a copy of any required permits and approvals;

4. detailed plans and procedural material specifications necessary for construction of the remedy;

5. specific quality control tests to be performed to document the construction, including:

a. specifications for the testing or reference to specific testing methods;

b. frequency of testing;

c. acceptable results; and

d. other documentation methods as required at the discretion of the department;

6. start-up procedures and criteria to demonstrate the remedy is prepared for routine operation; and

7. additional information to address ARARs;

8. a sampling and analysis plan;

9. a quality assurance/quality control plan;

10. a site-specific health and safety plan;

11. a project implementation schedule; and

12. other information required at the discretion of the department.

C. Within sixty (60) days of approval of the CMI Work Plan, Respondent shall begin implementation of the CMI Work Plan and implement the work plan in accordance with the approved activity scheduled contained therein.

D. Within sixty (60) calendar days of completion of the remedial action and receipt of the validated data (if applicable), Respondent shall submit a Corrective Measures Report detailing the results of the Corrective Measures implemented.

E. Respondent shall perform all work pursuant to this Order under the direction and supervision of a qualified professional with expertise in hazardous waste site investigation and remediation. Prior to the initiation of work under this Order, Respondent shall notify the LDEQ in writing regarding the name, title, and qualifications of such professionals and any contractors and/or principal subcontractors to be used in carrying out the terms of this Order.

F. Within thirty (30) calendar days after receipt of this Order,

Respondent shall designate a Project Manager. (Respondent shall notify the LDEQ in writing if it changes its Project Manager.) The Project Manager shall be responsible for overseeing the implementation of this Order. The Respondent shall submit the designated Project Manager's name, address, telephone number, and qualifications to LDEQ. To the greatest extent possible, the Project Manager shall be present on the Site or readily available during work on the Site.

The LDEQ Project Manager or representative will be the LDEQ designated Remedial Project Manager (RPM) at the site. The primary responsibility of the RPM will be to observe and review all aspects of the work of the remediation contractor to ensure that all work is performed in accordance with the Work Plan, this Order, the Louisiana Environmental Quality Act (LSA R.S. 30:2001 *et seq.*), and all applicable regulations. Respondent shall direct all submissions required by this Order to Mr. Keith Casanova, Administrator, P.O. Box 4314, Baton Rouge, Louisiana 70821-4314. Respondent shall send all submissions to LDEQ by both first class mail. LDEQ may change its RPM at any time by notifying Respondent in writing.

G. Except as otherwise provided herein, LDEQ will review and comment on the Work Plan and reports (except progress reports) prepared by Respondent. LDEQ will notify Respondent in writing of LDEQ's comments on these documents or any part thereof. Within sixty (60) calendar days of receipt of such comments, Respondent shall either amend and submit to LDEQ the revised Work Plan/reports or notify LDEQ of the reasons for not adopting LDEQ's revisions. In the event that LDEQ is not satisfied that the revisions are responsive to the comments, LDEQ may either elaborate and resubmit the comments or issue a notice of nonacceptance. At this point the Respondent must incorporate LDEQ's comments or be in violation of this Order.

H. All sampling and laboratory analysis conducted pursuant to this Order, and associated Quality Assurance/Quality Control (QA/QC), shall be performed in accordance with the most current edition of Test Methods for Evaluating Solid Waste Physical/ Chemical Methods, SW-846, EPA, OSWER, Washington, D.C. November, 1986, and all other appropriate protocol and procedures.

All laboratory data submitted pursuant to this Order must be generated by a laboratory that is accredited pursuant to LDEQ's regulations, LAC 33:I.Chapter 47.

Respondent shall develop a data management system including field logs, sample management and tracking procedures, and document control and inventory procedures for both laboratory data and

field measurements to ensure that the data collected pursuant to this Order is of adequate quality and quantity.

Respondent shall ensure that data collected pursuant to this Order has been validated at the appropriate field or laboratory QC level to determine whether it is appropriate for its intended use. Such validation procedures shall be conducted in accordance with guidelines established by the U.S. Environmental Protection Agency (EPA). Validation shall include such procedures to assess data precision, representativeness, comparability, accuracy, and completeness of specific measurement parameters.

Respondent shall present the results of the analyses performed pursuant to this Order in an organized and logical manner so that the relationships between results and sampling locations are apparent. Respondent shall prepare a summary that describes the quantities and concentrations of the specific contaminant(s).

I. Respondent shall make available to LDEQ the results of all sampling and/or tests or other data generated by Respondent pursuant to the implementation of this Order. Any validated data summary reports will be submitted by Respondent to LDEQ within twenty-one (21) calendar days after receipt by Respondent. All data summary reports, validated and non-validated, now in the possession of Respondent shall be submitted to LDEQ within twenty-one (21) calendar days of the effective date of this Order.

Respondent shall notify LDEQ not less than ten (10) calendar days in advance of any planned sample collection activity and as soon as possible of any unplanned or emergency sample collection activity. At the request of LDEQ, Respondent shall allow split or duplicate samples to be taken by LDEQ and/or its authorized representatives of any samples collected by Respondent, or on Respondent's behalf, pursuant to the implementation of this Order. LDEQ and/or any LDEQ authorized representative shall have the authority to enter and freely move about all property at the site for any purpose authorized by law, which includes but is not limited to: inspecting records, operating logs, and contracts related to the site; reviewing the progress of Respondent in carrying out the terms of this Order; conducting such tests as LDEQ or the RPM deem necessary; using camera, sound recording, or other documentary type equipment; and verifying the data submitted to LDEQ by Respondent. Respondent shall permit such persons to inspect and copy all records, files, photographs, documents and other writings, including all sampling and monitoring data, in any way pertaining to work undertaken pursuant to this Order.

J. Respondent shall notify LDEQ at least ten (10) working days prior to the initiation of any fieldwork. Further, Respondent

shall grant LDEQ open access to the site and provide LDEQ with an opportunity to observe all fieldwork.

K. Respondent shall provide monthly written progress reports to LDEQ according to the schedule contained in the Work Plan(s). At a minimum, these progress reports shall: (1) describe all data gathering and planning; (2) contain a status report on all field activities; and (3) include all results from sampling and analysis, and all other data received by Respondent pertinent to any work performed at the site. Progress reports shall be submitted to LDEQ by the fifteenth (15th) calendar day of each month following receipt of this Order.

L. The areas of concern shall be operated, inspected, and maintained as necessary or required under permit or regulation, throughout the post-closure care and corrective action periods to ensure proper operation. Upon completion of corrective action and confirmation sampling, these areas shall be considered for a "No Further Action - At this Time" (NFA-ATT) determination by LDEQ. Any area closed with constituent concentrations above the industrial RECAP Screening Standards will require a mortgage and conveyance notification to be filed in the parish conveyance records prior to the issuance of a NFA-ATT by LDEQ. These areas of concern shall be remediated to levels acceptable for industrial use. In accordance with LAC 33:I. Chapter 13, if land use changes from industrial to non-industrial, the responsible party shall notify the LDEQ within 30 days and the area of interest shall be reevaluated to determine if conditions are appropriate for the proposed land use. Future use may dictate additional remedial activities. No contaminated soils may be moved from this location without written authorization from the LDEQ.

M. Respondent shall preserve all records and documents in their possession or in the possession of their divisions, employees, agents, or contractors that is pertinent in any way to work undertaken pursuant to this Order at the site. Documents previously supplied to LDEQ may be excluded. One copy of these documents shall be retained during the course of implementing the work under this Order and for a minimum of three (3) years after this project has been completed. After this three (3) year period, Respondent shall make available to LDEQ such records or copies of such records except those which are attorney work-product or subject to the attorney-client privilege.

N. The LDEQ may grant an extension of any deadline in this Order or in any plan, report, or other document submitted pursuant to this Order, upon written and substantiated showing of good cause. All requests for extensions by Respondent shall not extend any deadlines contained in this Order until it has received written

approval from LDEQ.

This ORDER is effective upon receipt.

Baton Rouge, Louisiana, this 3rd day of Dec., 2003.

James H. Brent
James H. Brent
Assistant Secretary
Office of Environmental
Assessment
Department of Environmental
Quality

Please serve Respondent
through its agent of process:

C T Corporation System
8550 United Plaza Blvd.
Baton Rouge, LA 70809

CleanHarbors®
ENVIRONMENTAL SERVICES, INC.

13351 Scenic Highway
Baton Rouge, LA 70807
225.778.1234
Fax 225.778.3510
www.cleanharbors.com

May 10, 2004

Federal Express Airbill # 8449 0397 2340

Mr. Keith Casanova
Administrator
Remediation Services Division
Office of Environmental Assessment
Louisiana Department of Environmental Quality
602 North 5th Street
Baton Rouge, Louisiana 70802

**AI# 1516**

RE: Scope of Work and Schedule
Corrective Measures Implementation Work Plan
Administrative Order Dated December 3, 2003
Clean Harbors Baton Rouge, LLC
LAD 010 395 127-P, AI#1516

Dear Mr. Casanova:

Clean Harbors Baton Rouge, LLC (the Facility) is pleased to present this scope of work and anticipated schedule for preparing the Corrective Measures Implementation (CMI) Work Plan (Work Plan or CMIWP). The Facility received the subject Administrative Order (AO) on December 8, 2003 through its agent of process, C T Corporation System. The AO requires the Facility to develop a CMIWP that provides details on implementation of the Final Remedy for the Areas of Concern (AOC's) identified in the Corrective Measures Study (August 1995 and August 1998) within 90 days of receipt of the AO.

In a letter dated January 7, 2004, the Facility requested a modification to the CMIWP schedule outlined in Subsection B of the subject AO. The Facility requested 120 days from the receipt of the AO to complete a review, select a consultant (s) to assist in the preparation of the CMIWP and develop a schedule for completing the CMIWP. Approval of this schedule modification was granted in a letter received on April 2, 2004 from your department. Because of the complexity of the project, the Facility requested an additional 30 days to complete its review and selection of the most technically feasible approach and schedule. This transmittal is being submitted in response to the AO and fulfillment of the subsequent extension requests described above.

The AO requires completion of three major components of the CMS, namely the outfall ditch sediment remediation, landfill unit capping and the groundwater system optimization. Clean Harbors' proposed scope of work for development of the CMI Work Plan is based on those major components as well as the supporting administrative functions and thus has been divided into the following five work plan tasks:

- Task 1 - NPDES Effluent Ditch Sediments
- Task 2 - RCRA Cover Design
- Task 3 - Groundwater Recovery and Conveyance Systems
- Task 4 – Supporting Workplan Components
- Task 5 – CMI Work Plan Assembly

The discrete tasks will be carefully coordinated to ensure interdependent components are scheduled so all the necessary engineering, survey and analytical data is collected expeditiously and efficiently in support of the final design plans of the CMI Work Plan.

**Task 1 NPDES Effluent Ditch Sediments**

The approved remedy described in the AO for the NPDES Effluent Ditch is to excavate the PCB impacted sediments with disposal in a secure landfill. Sediments in the ditch were characterized in three discrete steps during the 1991 through 1994 time frame. The data are now over 10 years old and may not represent the current conditions. The first phase of this work task will be to verify the current conditions including possible further characterization of the ditch sediments. This would include the development and submittal to the LDEQ for review and approval a sediment characterization workplan (sampling, analytical testing and statistical data evaluation).

Following the verification of current conditions, a preliminary design would be developed that would clearly identify the design and implementation approach to accomplish the approved conceptual remedy. The preliminary design will be summarized in a report and submitted to the LDEQ for review and approval prior to proceeding with the final design. This preliminary design package maybe submitted separately and/or with other preliminary submittals proposed under the other CMIWP work tasks. Upon approval of the preliminary design, the final design and specifications would be developed. The final design and specifications will fully describe the required work and include appropriate submittals, quality control/quality assurance procedures, material, equipment, and construction or installation procedures as required by the AO.

**Task 2 RCRA Cover Design**

Capping and final closure of three Solid Waste Management Unit Areas, the South Landfill, Hy-Purle and Cell 619/719, will be required as described in the AO. General requirements for the cover system were identified in the Corrective Measure Study-Addendum 2. The first phase of this work task will be to verify the current site and cover conditions. Following this initial verification work, a preliminary design of the cover configuration will be developed for each area. A preliminary design package will be submitted to the LDEQ for review and approval prior to proceeding with the final design. This preliminary design package maybe submitted separately and/or with other preliminary submittals proposed under the other CMIWP work tasks. Upon approval of the preliminary design, the final design and specifications will be developed. The final design and specifications will fully describe the required work and include appropriate submittals, quality control/quality assurance procedures, material, equipment, and construction or installation procedures as required by the AO.

**Task 3 Groundwater Recovery and Conveyance System**

Sequential enhancement of the existing groundwater recovery system to further address groundwater contamination in identified areas of the Facility was approved as the conceptual groundwater remedy in the AO. The selected groundwater remedy consists of hydraulic control of groundwater contaminants via an optimally located series of existing and new recovery wells. Also necessary in this task is the careful coordination of the optimized wells and the conveyance system placement with respect to the landfill cell cover requirements.

The process for evaluating enhancement of the recovery well system was detailed in the 1998 Addendum to the Corrective Measure Study as approved by LDEQ. The recommendations were presented in Section 4.0 of the document. These recommendations state:

> "Careful placement of groundwater extraction wells can be conducted in a phased approach. Using a phased installation approach, an extraction network can be optimally placed to achieve complete capture of contaminants in shallow groundwater. The newly developed groundwater flow and contaminant fate and transport models will be used to optimize the locations. The hydraulic stress created by additional extraction wells will be monitored and used to refine the predictive capability of the models. If required, additional extraction wells will be added to enhance containment."

The groundwater recovery system proposed in the 1998 Addendum to the CMS was designed using a groundwater flow and particle-tracking models evaluated with the MODFLOW/MODPATH computer code. There have been some operational changes in

the recovery system (LDEQ approved shutdown of select wells) since this modeling work was performed, so the first steps proposed are to examine site hydrogeologic and groundwater quality data changes over the past 5 years to verify the groundwater flow and contaminant transport model construct relative to current conditions and the data collected since 1998.

Based upon an updated model, select well locations with the most clear benefit that are also expected to be included in the optimized layout of the vertical recovery well system will be identified. A preliminary design of the well conveyance system to connect these wells to the wastewater treatment system will also be developed. A preliminary design package will be compiled and submitted to the LDEQ for review and approval prior to finalizing the design for connecting these new wells. Once comments are received, the final designs will be completed and the wells installed. A new well installation report, which includes well registration forms, will be submitted to the LDEQ.

This focused installation of new wells as proposed will allow the hydraulic control system to be expanded in the areas most needed in a relatively short period of time. These new wells will also induce a hydraulic impact on the groundwater flow field, which will provide crucial additional information needed to further refine the remediation system.

Following implementation and startup, field data will be collected from the new wells to support hydraulic control and conveyance system optimization studies. Additional data will be collected from the expanded system through the semi-annual sampling events and the expanded system performance results. This data will serve as an additional system performance test and provide for a recalibration of the model using the enhanced system. Scenarios will be evaluated for each area of concern to identify optimized well placement (both additions and subtractions) of active vertical recovery wells using results from capture zone and constituent transport analyses. Once the modeling optimization studies are conducted, the design of the overall conveyance system will be evaluated. This will include evaluation of existing equipment and electrical network, design flows and piping sizing and layout of the conveyance system (accounting for site constraints and proposed landfill caps) from the wells to the wastewater treatment system. The results of this optimization effort (capture zone, fate and transport analysis, well placements and conveyance system improvements) will be compiled into a preliminary optimization report for submittal to the LDEQ for review and approval, prior to developing the final design.

Following approval of the preliminary design, the final system design and specifications will be developed and completed. The final design package will be submitted with the other final design packages to the LDEQ for review and approval along with the overall CMIWP package.

**Task 4 Supporting Work Plan Components**

In addition to the work task described above, the AO requires a number of supporting plans, as well as an overall project implementation schedule. The scope of work for each component is described below.

**Sampling and Analysis Plan.** The Sampling and Analysis Plan (SAP) details the methods and procedures for analytical methods employed during the CMI-related sampling and data evaluation. Anticipated CMI-related sampling activities will likely include, but is not limited to well logging, ground water sample collection, and ditch sediment sample collection. The subject sampling and analysis plan will be developed in accordance with the requirements of Subsection H of the AO.

**Construction Quality Assurance/Quality Control Plan.** The Construction Quality Assurance / Quality Control Plan (CQAP) describes the QA test and inspection procedures necessary to ensure that the final CMI product meets design specifications. The specific QA tests are used to provide quantitative criteria with which to accept the final product.

**Health and Safety Plan.** A Health and Safety Plan (HASP) will be prepared that will apply to all CMI activities at the site. The HASP will include the requirements of 29 CFR 1910.120 for hazardous waste operations and will contain specific requirements to minimize the health and safety hazards associated with planned actions. The HASP will also include other relevant OSHA safety standards for traditional construction activities, such as piping layout and electrical connections.

**Project Implementation Schedule.** In concert with design activities, a Project Implementation Schedule will be developed. The schedule will contain all key construction work elements using a Work Breakdown Structure (WBS), anticipated durations, and interconnections and interdependencies to other tasks. Anticipated durations and sequencing of construction elements will be determined based on the design, experience on similar projects, and discussions with prospective contractors.

**Task 5 CMI Work Plan Assembly**

The Facility will assemble all final design and work plan components into a stand-alone CMI Work Plan. We will create introduction, background and supporting sections, and sequence all drawing and table numbers. A first draft document will be prepared for LDEQ review. This draft document will include the final design and specifications of the four work Tasks described above. The draft CMIWP will include the information outlined under Subsection B of the AO. A final CMIWP will be prepared incorporating comments from

the LDEQ.

**Other CMIWP Requirements**

All sampling event notifications, sampling, analytical testing, and reporting of results will be done in accordance with Subsections H through J of the AO. Monthly progress reports will be compiled and submitted to the LDEQ in accordance with Subsection K of the AO. Records and documents associated with this project will be preserved in accordance with Subsection M of the AO.

**Project Schedule**

A proposed schedule for the preparation of the CMI Work Plan described above is provided in Attachment A. A detailed breakout of tasks, including interdependencies is also included.

Key highlights of our proposed CMI Work Plan schedule include:

- Interim conceptual design deliverables for review and submittal to LDEQ. This is an important step to insure engineering concepts are reviewed and approved before detailed design drawings and specifications are completed.
- Key integration points between three primary components of the project (e.g. coordination of optimal ground water recovery well locations with preliminary footprint of the landfill cover).

**Schedule Assumptions**

Key assumptions made in the preparation of this schedule include:

- Final assembly of the CMI Work Plan will await completion of each of the individual task components consisting of ditch sediment removal design, cover system design, and groundwater system optimization design.
- The construction QA/QC Plan and CMI Schedule will be initiated after completion of preliminary designs.

**Project Team**

As a confirmation of our January 7, 2004 notification, the project manager will be John Arbuthnot, Senior Remediation Manager, with the Clean Harbors Baton Rouge Facility.

CleanHarbors®
ENVIRONMENTAL SERVICES, INC.



Cameron-Cole, LLC and Leppert Associates, Inc will conduct the bulk of the CMIWP work, described above. Both of these consulting firms are professional environmental consulting firms with offices in the Houston, Texas and Boulder, Colorado areas and have experience with the hydrogeologic studies at the site. Both firms were involved in the 1998 CMS addendum work including groundwater-modeling effort. Cameron-Cole has been conducting the semi-annual and annual groundwater systems evaluation and reporting since 1998. These firms meet the requirements of Subsection E of the AO. Additional supporting consultants (surveying, electrical, mechanical, etc.) and analytical laboratories will also be used to prepare the CMIWP. The LDEQ will be notified in writing (monthly status reports) of any other firms prior to initiation of any work by them on this AO.

We trust this submittal meets your review and approval. Thanks for your continued cooperation on this project. Should you have any questions or need additional information, please do not hesitate to call me at (225) 778-3596.

Sincerely,

John C. Arbuthnot, P.E.
Senior Remediation Manager

JCA

3 Copies

DEPARTMENT OF ENVIRONMENTAL QUALITY
KATHLEEN BABINEAUX BLANCO
GOVERNOR
MIKE D. McDANIEL, Ph.D.
SECRETARY

Received 9/21/06.

September 15, 2006

**CERTIFIED MAIL – RETURN RECEIPT REQUESTED (7003 2260 0001 2752 3574)**

Mr. John Arbuthnot
Clean Harbors Environmental Services, Inc.
13351 Scenic Hwy.
Baton Rouge, Louisiana 70807

RE: Scope of Work and Schedule
Corrective Measures Implementation Work Plan
Clean Harbors Environmental Services, Inc., **AI Number 1516**
Baton Rouge Facility, EPA ID No. LAD 010395127
13351 Scenic Highway, Baton Rouge, EBR Parish

Dear Mr. Arbuthnot:

The Louisiana Department of Environmental Quality (LDEQ) has reviewed your submittal on the Scope of Work and Schedule for the Corrective Measures Implementation Work Plan that was prepared pursuant to the Administrative Order dated December 3, 2003, issued to Clean Harbors Baton Rouge, LLC. Although the review indicates that the submittal does not include the components required by Section B of the Administrative Order, it is evident that additional information must be collected and studies performed for a comprehensive Corrective Measures Implementation Work Plan to be developed. Therefore, Clean Harbors shall begin implementation of the Scope of Work and Schedule contained in the above referenced submittal upon receipt of this letter. The final CMWIP shall be submitted to LDEQ no later than March 1, 2008, and must contain all components required by Section B of the aforementioned Administrative Order as well as a schedule of implementation for the Remedial Action. Monthly progress reports required by Section K of the Order shall be submitted documenting all work performed for the reporting period

If you have any questions or comments, please feel free to contact me at 225-219-3406. All correspondence must include the AI number and be submitted in triplicate to:

Keith Casanova, Administrator
Remediation Services Division
P.O. Box 4314
Baton Rouge, LA 70821-4314

ENVIRONMENTAL **ASSESSMENT**
: PO BOX 4314, BATON ROUGE, LA 70821-4314
P:225-219-3236 F:225-219-3239
WWW.DEQ.LOUISIANA.GOV

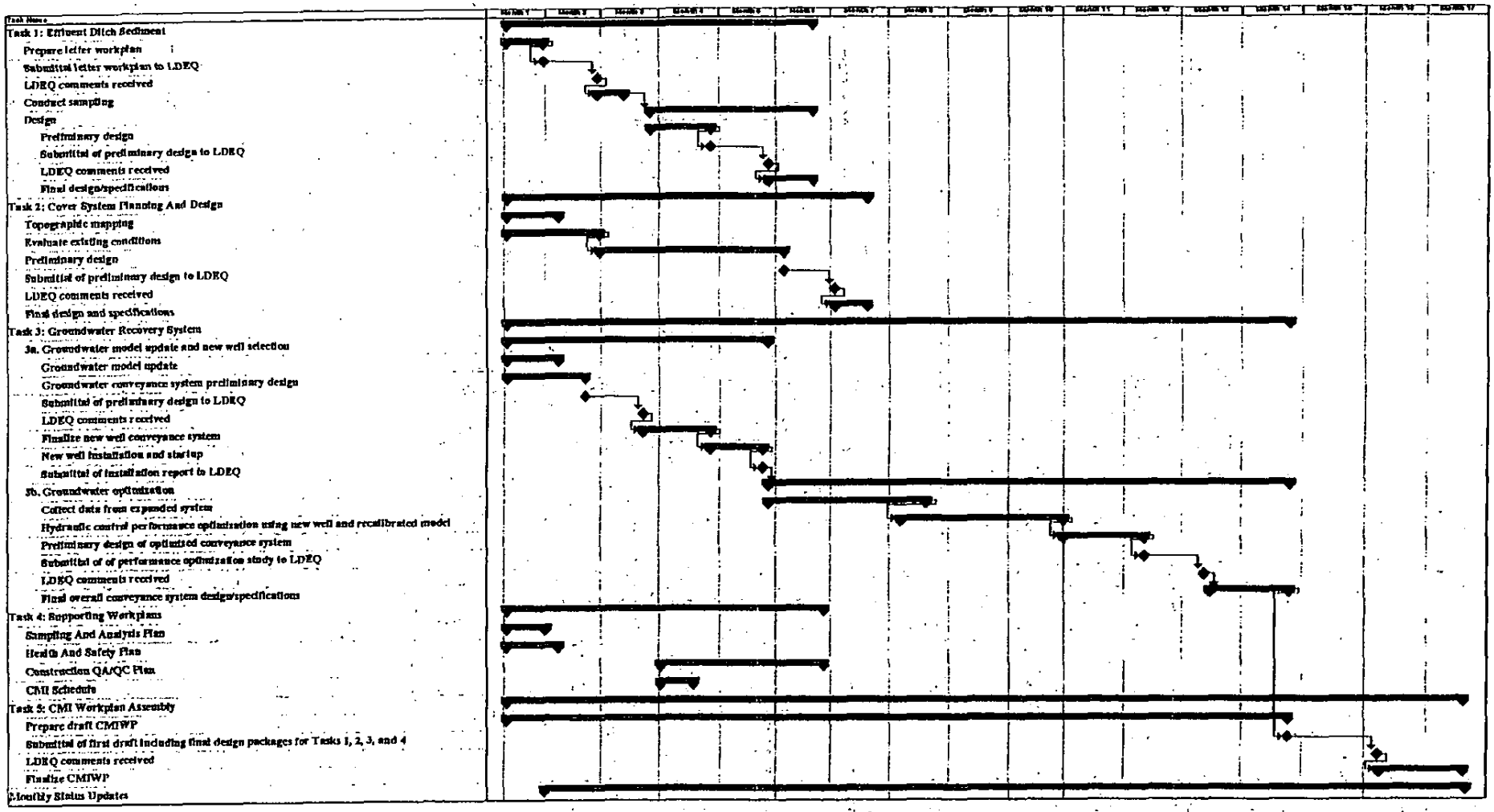
Thank you for your cooperation.

Sincerely,

Dennis P. Piper, Geologist
Environmental Technology Division

c: Imaging Operations - Hazardous Waste
Geological Supervisor, GS-GG3
Karla Vidrine, Permits Division, OES

# Attachment A
## Proposed Schedule – CMI Workplan
## Clean Harbors Baton Rouge, LLC




Proposed Schedule 5/10/04

# APPENDIX K

# OPERATING RECORD

# OPERATING RECORD

## 1.0 INTRODUCTION

The purpose of the Operating Record is to provide written documentation of environmental analytical results, waste disposal activities, inspections, training record, and copies of reports submitted to the regulatory agencies. The components of the Operating Record are presented in the next section.

## 2.0 FACILITY OPERATING RECORD

Clean Harbors Baton Rouge, LLC will maintain at the facility (or other approved off-site location) until the end of the Post-Closure care period, a written record of waste, soil, decontamination wash water, and groundwater analyses. At a minimum, the following information will be recorded:

- Date, time, and location of all sampling and measurements;
- Name of the individual who performed the sampling or measurements;
- Dates the analyses were performed;
- Names of the laboratory and individual(s) who performed the analyses;
- Analytical techniques or methods used; and
- Results of such analyses.

The facility will also maintain as a part of the Operating Record, until the end of the Post-Closure care period, a written record of waste disposal activities. The following information will be recorded:

- Waste description;
- Disposal date;
- Quantity disposed; and
- Disposal location.

The facility will keep as a part of the Operating Record, documentation of all inspections conducted in accordance with the Inspection Plan. These records will be maintained for a minimum period of three (3) years from the date of the last action taken as a result of the inspection.

The facility will keep as a part of the Operating Record, all training documents and records as required by LAC 33.V.1515. Records of training will be kept on all current employees and for a minimum of three (3) years after an employee leaves the facility.

The facility will keep as a part of the Operating Record, a copy of all annual reports submitted in accordance with LAC 33:V.1529.D. These copies will be kept until the end of the Post-Closure

care period.

The Closure Coordinator will be responsible for maintaining a record of all inspections, repairs, sampling, analytical results, and post-closure cost estimates. The record will also contain the determination of significant increase calculations for the monitoring data and the annual determination of groundwater flow rate and direction.

All records maintained as a part of the Operating Record will be made available for inspection at reasonable times upon request by the Louisiana Department of Environmental Quality.

# APPENDIX L

# CLOSURE CERTIFICATION DOCUMENTS

Issue 111

ROLLINS
ENVIRONMENTAL SERVICES (LA) INC.

P.O. Box 74137
Baton Rouge, Louisiana 70874-4137
Phone 504/778-1234, Fax 504/778-3510

November 16, 1995

Mr. Glenn A. Miller, Assistant Secretary
Hazardous Waste Division
Louisiana Department of Environmental Quality
P. O. Box 82178
Baton Rouge, Louisiana 70884-2178

SUBJECT: CLOSURE CERTIFICATION FOR LANDFILL CELL 717
CLOSURE PERMIT #LAD010395127-CP-4
ROLLINS ENVIRONMENTAL SERVICES (LA) INC.
BATON ROUGE FACILITY

Dear Mr. Miller:

This letter is to inform you that we have completed the closure of Landfill Cell 717 at the Rollins Environmental Services (LA) Inc. (RES(LA)) Baton Rouge Facility in general accordance with the revised closure plan dated March 25, 1988 and the subsequent Closure Permit #LAD010395127-CP-4 issued by the Louisiana Department of Environmental Quality (LDEQ) on October 27, 1988 (Permit Expiration Date November 16, 1995). Transmitted herewith are four (4) copies of the Final Construction Quality Assurance Report for closure of Landfill Cell 717 prepared by Aquaterra. As required by LAC 33:V.3517, we are enclosing the certification of closure by a Louisiana Registered Professional Engineer. In addition, we are enclosing a copy of a survey plat which has been prepared by a Louisiana Registered Professional Land Surveyor and filed with the East Baton Rouge Parish Planning Commission, delineating the limit and deed restricting the disturbance of Landfill Cell 717.

LAC 33:V.4403 requires RES(LA) to maintain financial assurance for closure of the facility. Our current closure and post-closure plan dated June, 1994 and financial assurance documents dated July 21, 1995 include provisions and financial assurance ($343,485 adjusted for 10% contingency and inflation rate of 1.68% for 1995) to specifically close Landfill Cell 717. Please provide in accordance with LAC 33:V.4403.H, a written release from the requirements to maintain the financial assurance for closure of Landfill Cell 717.

Thanks for the cooperation throughout this closure project. Should you have any questions, please do not hesitate to call Steve Cange or John Arbuthnot of our staff at (504) 778-3607 and 3596, respectively.

Sincerely,

Michael F. DeCarlo
President

MFD/JCA/SWC/jrd

Attachments

cc: Ms. Linda Korn Levy, Ground Water Protection Division - LDEQ

# CLOSURE CERTIFICATION - LANDFILL CELL 717

I certify under penalty of law that the hazardous waste management unit, Landfill Cell 717 has been closed in accordance with the requirements as stipulated in the Closure Permit (LAD 010 395 127-CP-4). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

Michael F. DeCarlo
President
Rollins Environmental Services (LA) Inc.
(Owner)

11/16/95
Date

Charles R. Furlow, P.E.
Principal
Aquaterra, Inc.
(CQA Contractor)

11/16/95
Date

John C. Arbuthnot, P.E.
Director of Remediation
Rollins Environmental Services (DE) Inc.
(Owner's Closure Engineer)

11/16/95
Date

William P. Paul, P.E.
Project Manager
Aquaterra, Inc.
(CQA Contractor)

11-16-95
Date

STATE OF LOUISIANA
JOHN C. ARBUTHNOT
REG. No. 17688
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

STATE OF LOUISIANA
WILLIAM P. PAUL
REG. NO. 25714
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

ROLLINS
ENVIRONMENTAL SERVICES (LA) INC.

P.O. Box 74137
Baton Rouge, Louisiana 70874-4137
Phone 504/778-1234, Fax 504/778-3510

November 14, 1995

CERTIFIED MAIL - Z109 349 299

City/Parish Planning Commission
P. O. Box 1471
Baton Rouge, Louisiana 70821

Attn: Mr. Troy L. Bunch, Acting Planning Director

SUBJECT: DEED RESTRICTION NOTIFICATION - LANDFILL CELL 717 - ROLLINS ENVIRONMENTAL SERVICES (LA) INC. BATON ROUGE FACILITY EAST BATON ROUGE PARISH, LOUISIANA

Dear Mr. Bunch:

Pursuant to LAC 33:V.3517, we are furnishing herewith a survey plat of our Landfill Cell 717. This cell has been closed in accordance with a Closure Permit #LAD010395127-CP4 (Expiration Date - November 16, 1995) issued to Rollins Environmental Services (LA) Inc. by the Louisiana Department of Environmental Quality. It is our intention by submittal of this document to your commission to restrict the disturbance of Landfill Cell 717 in accordance with the applicable LAC Chapter 35 regulations.

Should you have any questions in this matter, please do not hesitate to contact me or Steve Cange of our staff at (504) 778-3607.

Sincerely,

Tom Reaver for

Michael F. DeCarlo
President

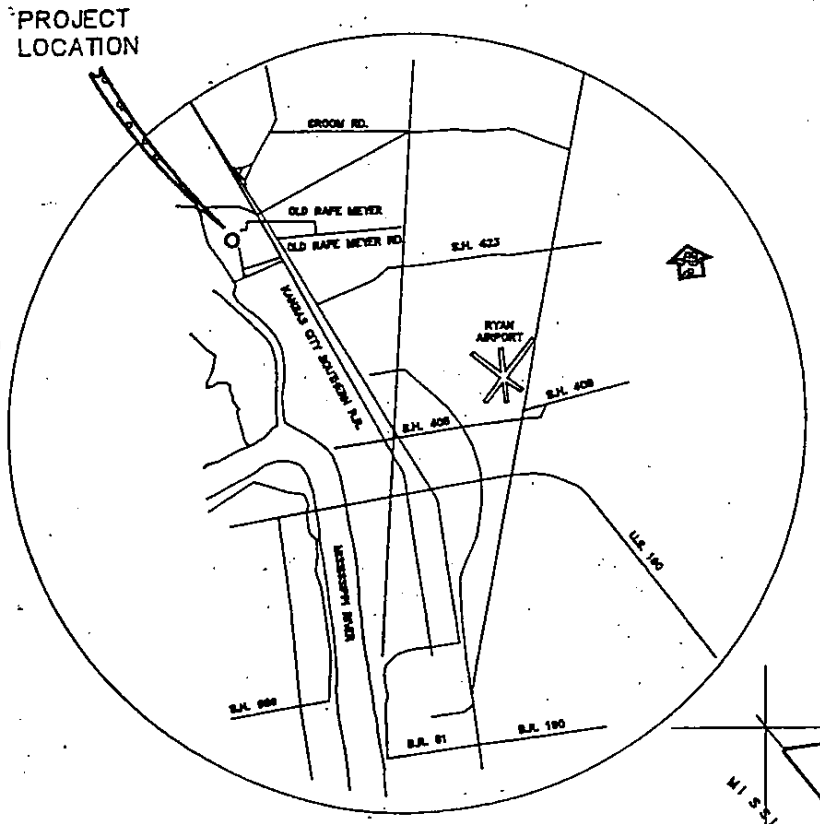
MFD/JCA/SWC/jrd

Attachment

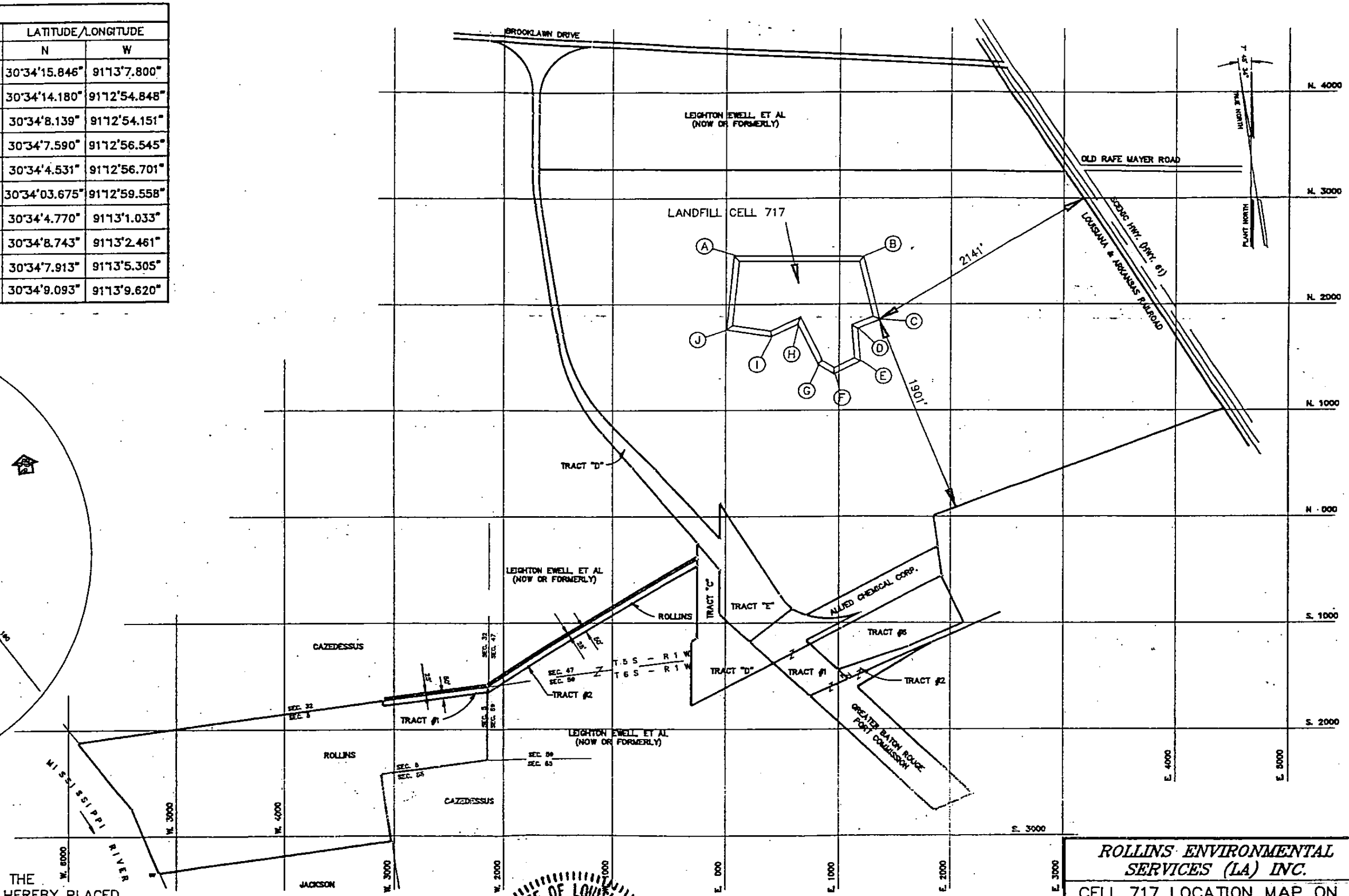
RES-SO-LTH-S

| GRID COORDINATES NAD '83 | | | | | | |
|---|---|---|---|---|---|---|
| POINT | PLANT GRID COORDINATES | | STATE PLANE COORDINATES | | LATITUDE/LONGITUDE | |
| | NORTH | EAST | Y | X | N | W |
| A | 2,463.5 | 31.5 | 753,198.4 | 3,316,868.7 | 30°34'15.846" | 91°13'7.800" |
| B | 2,453.0 | 1,226.2 | 753,031.2 | 3,318,001.2 | 30°34'14.180" | 91°12'54.848" |
| C | 1,856.8 | 1,370.7 | 752,420.9 | 3,318,062.7 | 30°34'8.139" | 91°12'54.151" |
| D | 1,773.0 | 1,171.1 | 752,365.2 | 3,317,853.5 | 30°34'7.590" | 91°12'56.545" |
| E | 1,465.1 | 1,200.2 | 752,056.2 | 3,317,840.2 | 30°34'4.531" | 91°12'56.701" |
| F | 1,345.0 | 964.7 | 751,969.4 | 3,317,590.5 | 30°34'03.675" | 91°12'59.558" |
| G | 1,436.7 | 821.7 | 752,079.9 | 3,317,461.4 | 30°34'4.770" | 91°13'1.033" |
| H | 1,817.1 | 642.8 | 752,481.2 | 3,317,336.2 | 30°34'8.743" | 91°13'2.461" |
| I | 1,699.8 | 408.0 | 752,397.1 | 3,317,087.6 | 30°34'7.913" | 91°13'5.305" |
| J | 1,765.8 | 18.0 | 752,515.9 | 3,316,710.3 | 30°34'9.093" | 91°13'9.620" |

PROJECT LOCATION




LOCATION MAP
N.T.S.




NOTE:

ANY POTENTIAL OR PROSPECTIVE PURCHASER OF THE PROPERTY REPRESENTED ON THIS DOCUMENT, IS HEREBY PLACED ON NOTICE, AND NOTIFIED IN PERPETUITY, THAT THE PROPERTY HAS BEEN USED TO MANAGE HAZARDOUS WASTES, AND THAT USE OF THE PROPERTY IS RESTRICTED PURSUANT TO THE PROVISIONS OF LOUISIANA ADMINISTRATIVE CODE TITLE 33, PART V, CHAPTER 35, AND THAT THE SURVEY PLAT IS FILED WITH THE LOCAL ZONING AUTHORITY OR THE AUTHORITY WITH JURISDICTION OVER LOCAL LAND USE (BATON ROUGE CITY/PARISH PLANNING COMMISSION), AND WITH THE ADMINISTRATIVE AUTHORITY (LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY).

James M. Theriot
JAMES M. THERIOT
PROFESSIONAL LAND SURVEYOR

STATE OF LOUISIANA
JAMES M. THERIOT
REG. No. 321
REGISTERED PROFESSIONAL LAND SURVEYOR

GRAPHIC SCALE
1000 500 0 500 1500

| NO. | DATE | DESCRIPTION REVISIONS | BY |
|---|---|---|---|

*ROLLINS ENVIRONMENTAL SERVICES (LA) INC.*

CELL 717 LOCATION MAP ON ROLLINS ENVIRONMENTAL SERVICES (LA) INC. PROPERTY EAST BATON ROUGE PARISH, LOUISIANA

Brown & Butler, Inc.
Consulting Engineers and Land Surveyors
Baton Rouge, Louisiana

| | | |
|---|---|---|
| DESIGNED: N/A | DETAILED: TDT | SHEET NO. |
| DATE: 10-10-95 | CHECKED: JMT | 1 of 1 |
| SCALE: 1" = 1000' | | |

C:\INDUST\ROLLINS\717-MC.dwg

1603

closure 7

# State of Louisiana

## Department of Environmental Quality

RECEIVED DEC 29 1995 Environmental/Legal RES(LA) Inc.

Edwin W. Edwards
Governor

December 18, 1995

William A. Kucharski
Secretary

Certified Mail - Z 030 805 645
Return Receipt Requested

Mr. Michael F. DeCarlo
President
Rollins Environmental Services (LA), Inc.
Post Office Box 74137
Baton Rouge, LA 70874-3510

RECEIVED
DEC 29 1995
OFFICE OF THE PRESIDENT
RES (LA) INC.

RE: LAD 010 395 127
Rollins Environmental Services, RES (LA)
Closure Certification

Dear Mr. DeCarlo:

The Hazardous Waste Division (HWD) is in receipt of your closure certification prepared by Espey, Huston & Associates, Inc.

The closure certifications are signed by a Louisiana registered professional engineer indicating the disposal areas have been closed in accordance with the closure plans. The Department completed a review of your certifications and concurs that you have closed the following units: Truck Wash Basin, Scrubber Basin, Activated Sludge Basin 1, South Stabilization Basin, Tank Farm, Rail Car Spill Containment Area Sump and Cell 717, in accordance with the approved closure plans.

In accordance with LAC 33:V.3703.I, the Department also agrees to release RES (LA) from the financial assurance requirements for closure of the above referenced units.

If you have any questions concerning this matter, please contact Mr. Blaise Guzzardo of the HWD, Permits Section, at (504) 765-0272.

Sincerely,

Glenn A. Miller
Assistant Secretary

GAM/BG/tb

c: Ms. Laurie King, U.S. EPA
Ms. Ann Zimmerman, U.S. EPA

Env/Legal Distribution (

Administration
Operations
~~Remediation~~
Specialist/Environmental
Technical

Corporate

Vice-President/Environm
Director/Environmental



95-168IC

# CLOSURE CERTIFICATION - LANDFILL CELL 717

I certify under penalty of law that the hazardous waste management unit, Landfill Cell 717 has been closed in accordance with the requirements as stipulated in the Closure Permit (LAD 010 395 127-CP-4). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

Michael F. DeCarlo
President
Rollins Environmental Services (LA) Inc.
(Owner)

11/16/95
Date

Charles R. Furlow, P.E.
Principal
Aquaterra, Inc.
(CQA Contractor)

11/16/95
Date

STATE OF LOUISIANA
CHARLES R. FURLOW
REG. NO. 18841
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

John C. Arbuthnot, P.E.
Director of Remediation
Rollins Environmental Services (DE) Inc.
(Owner's Closure Engineer)

11/16/95
Date

William P. Paul, P.E.
Project Manager
Aquaterra, Inc.
(CQA Contractor)

11-16-95
Date

STATE OF LOUISIANA
JOHN C. ARBUTHNOT
REG. No. 17688
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

STATE OF LOUISIANA
WILLIAM P. PAUL
REG. NO. 25714
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

ROLLINS
ENVIRONMENTAL SERVICES (LA) INC.

P.O. Box 74137
Baton Rouge, Louisiana 70874-4137
Phone 504/778-1234, Fax 504/778-3510

December 8, 1995

CERTIFIED MAIL Z 109 349 307

Mr. Glenn A. Miller, Assistant Secretary
Hazardous Waste Division
Louisiana Department of Environmental Quality
P. O. Box 82178
Baton Rouge, Louisiana 70884-2178

SUBJECT: REVISED FIGURE 3 - CLOSURE CERTIFICATION FOR LANDFILL CELL 717 - CLOSURE PERMIT #LAD010395127-CP-4
ROLLINS ENVIRONMENTAL SERVICES (LA) INC.
BATON ROUGE FACILITY

Dear Mr. Miller:

Attached please find four (4) copies of a revised Figure 3 entitled "Closure of Landfill Cell 717 - Closure Permit LAD#010395127-CP-4 Plan View" that was included in our recent closure certification report submitted for Landfill Cell 717 on November 16, 1995. Figure 3 has been revised to reflect the correct leachate collection well designation "LC-25". We were advised of this mislableing by members of your staff during their site inspection of Landfill Cell 717 on December 5, 1995. Please replace the Figure 3 in your copies of the closure certification report with the attached revision.

We trust this mislabeling did not cause you any inconvenience. Again thanks for the continued cooperation throughout this closure project. Should you have any questions, please do not hesitate to call Steve Cange or John Arbuthnot of our staff at (504) 778-3607 and 3596, respectively.

Sincerely,

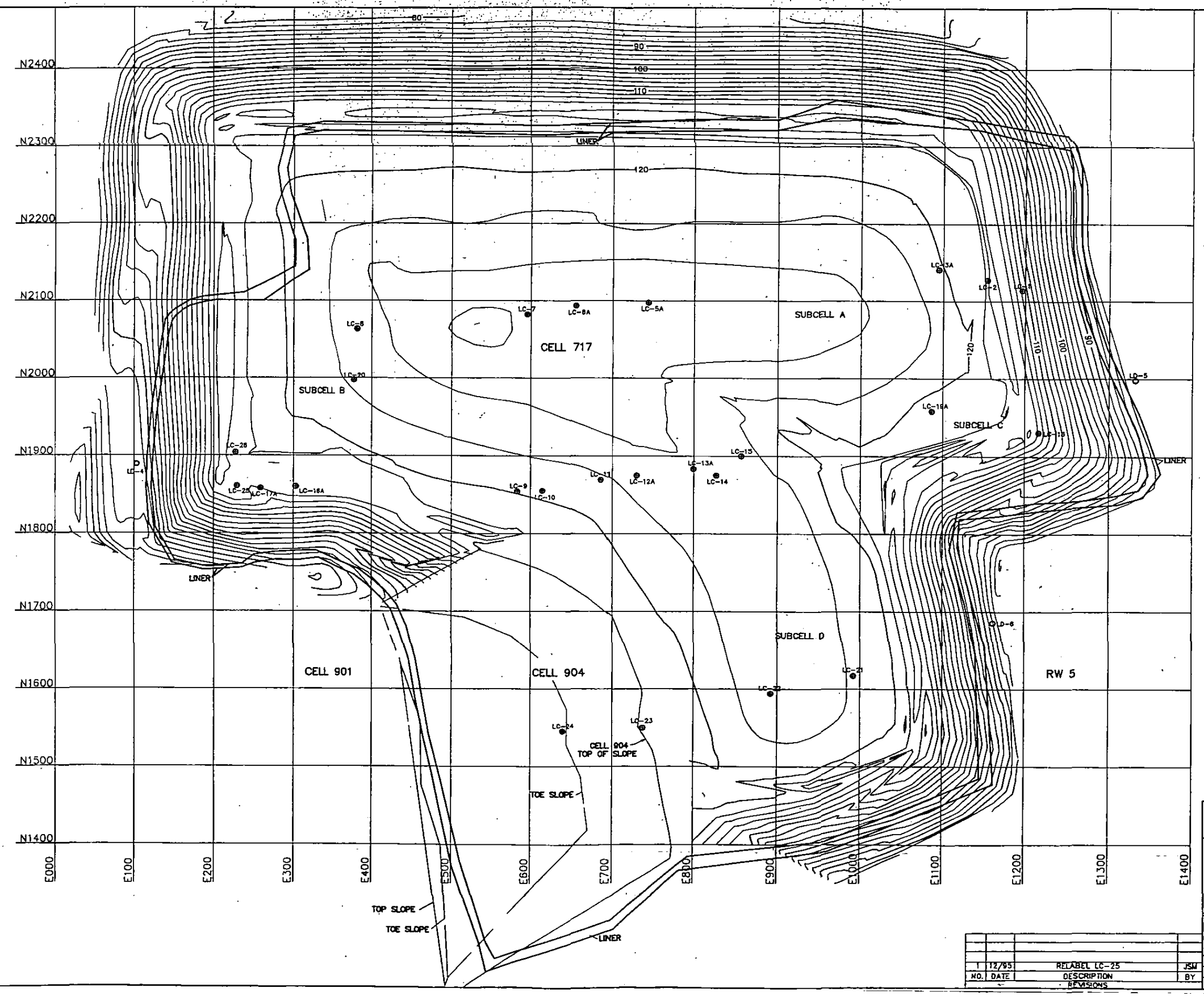
Michael F. DeCarlo
President

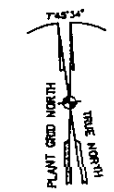
MFD/JCA/SWC/jrd

Attachments

cc: Ms. Linda Korn Levy, Ground Water Protection Division - LDEQ

RES 96-LT14-3



LC ⊕ LEACHATE COLLECTOR
LD ○ LEAK DETECTOR
CONTOUR INTERVAL = 2'

ROLLINS ENVIRONMENTAL SERVICES (LA), INC.

CLOSURE OF LANDFILL
CELL 717 – CLOSURE
PERMIT # LAD 010395127-CP-4
PLAN VIEW

Brown & Butler, Inc.
Consulting Engineers and Land Surveyors
Baton Rouge, Louisiana

| NO. | DATE | DESCRIPTION | BY |
|---|---|---|---|
| 1 | 12/95 | RELABEL LC-25 | JSM |

REVISIONS

DESIGNED: N/A
DETAILED: JSM
DATE: 11/16/95
CHECKED: JMT
SCALE: 1"=60'

FIGURE 3

# APPENDIX M

# CLIMATALOGICAL INFORMATION

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

# Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

**Station: BATON ROUGE RYAN AP, LA** **COOP ID: 160549**

**Climate Division: LA 6** **NWS Call Sign: BTR** **Elevation: 64 Feet** **Lat: 30°32N** **Lon: 91°09W**

| Temperature (°F) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean (1) | | | | Extremes | | | | | | | | | | Degree Days (1) Base Temp 65 | | Mean Number of Days (3) | | | | | |
| Month | Daily Max | Daily Min | Mean | Highest Daily(2) | Year | Day | Highest Month(1) Mean | Year | Lowest Daily(2) | Year | Day | Lowest Month(1) Mean | Year | Heating | Cooling | Max >= 100 | Max >= 90 | Max >= 50 | Max <= 32 | Min <= 32 | Min <= 0 |
| Jan | 60.0 | 40.2 | 50.1 | 85 | 1946 | 4 | 59.5 | 1974 | 9 | 1985 | 21 | 41.1 | 1977 | 457 | 11 | .0 | .0 | 25.5 | .1 | 8.1 | .0 |
| Feb | 63.9 | 43.1 | 53.5 | 85+ | 1957 | 4 | 59.9 | 2000 | 13+ | 1951 | 2 | 44.4 | 1978 | 326 | 15 | .0 | .0 | 25.5 | .1 | 4.2 | .0 |
| Mar | 71.0 | 49.6 | 60.3 | 91+ | 1946 | 31 | 65.6 | 1974 | 20 | 1980 | 3 | 55.8 | 1971 | 185 | 55 | .0 | .0 | 30.5 | .0 | .9 | .0 |
| Apr | 77.3 | 55.8 | 66.6 | 92+ | 1952 | 30 | 71.8 | 1999 | 31 | 1940 | 13 | 61.7 | 1983 | 57 | 119 | .0 | .2 | 30.0 | .0 | @ | .0 |
| May | 84.0 | 64.1 | 74.0 | 98 | 1953 | 28 | 78.3 | 2000 | 40 | 1944 | 14 | 70.2 | 1976 | 4 | 298 | .0 | 5.6 | 31.0 | .0 | .0 | .0 |
| Jun | 89.2 | 70.2 | 79.7 | 103 | 1954 | 30 | 83.2 | 1998 | 53 | 1984 | 1 | 76.2 | 1983 | 0 | 457 | .1 | 18.9 | 30.0 | .0 | .0 | .0 |
| Jul | 90.7 | 72.7 | 81.7 | 101 | 1960 | 12 | 84.5 | 1998 | 58 | 1967 | 15 | 79.6 | 1984 | 0 | 534 | @ | 23.9 | 31.0 | .0 | .0 | .0 |
| Aug | 90.9 | 71.9 | 81.4 | 105 | 2000 | 30 | 85.1 | 1999 | 59+ | 1967 | 12 | 78.4 | 1992 | 0 | 523 | .2 | 23.2 | 31.0 | .0 | .0 | .0 |
| Sep | 87.4 | 67.5 | 77.5 | 104 | 2000 | 4 | 81.7 | 1986 | 43 | 1967 | 29 | 74.3 | 1975 | 2 | 389 | .2 | 13.0 | 30.0 | .0 | .0 | .0 |
| Oct | 79.7 | 56.4 | 68.1 | 94+ | 1938 | 2 | 73.2 | 1984 | 30 | 1993 | 31 | 61.6 | 1976 | 49 | 157 | .0 | 1.5 | 31.0 | .0 | @ | .0 |
| Nov | 70.1 | 47.9 | 59.0 | 89+ | 1935 | 2 | 65.8 | 1985 | 21 | 1976 | 30 | 51.0 | 1976 | 212 | 48 | .0 | .0 | 29.4 | .0 | 1.6 | .0 |
| Dec | 62.8 | 42.1 | 52.4 | 85 | 1982 | 2 | 61.6 | 1971 | 8 | 1989 | 23 | 43.6 | 1989 | 397 | 22 | .0 | .0 | 27.5 | .1 | 6.3 | .0 |
| Ann | 77.3 | 56.8 | 67.0 | 105 | Aug 2000 | 30 | 85.1 | Aug 1999 | 8 | Dec 1989 | 23 | 41.1 | Jan 1977 | 1689 | 2628 | .5 | 86.3 | 352.4 | .3 | 21.1 | .0 |

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1930-2001

(3) Derived from 1971-2000 serially complete daily data

U.S. Depar[illegible]f Commerce
National Oc[illegible] & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

# Climatograp[illegible]
# of the United States
# No. 20
# 1971-2000

National Climatic Data C[illegible]
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

**Station: BATON ROUGE RYAN AP, LA** **COOP ID: 160549**

**Climate Division: LA 6** **NWS Call Sign: BTR** **Elevation: 64 Feet** **Lat: 30°32N** **Lon: 91°09W**

## Precipitation (inches)

| | Precipitation Totals | | | | | | | | | Mean Number of Days (3) | | | | Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Means/ Medians(1) | | Extremes | | | | | | | Daily Precipitation | | | | Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution | | | | | | | | | | |
| Month | Mean | Med-ian | Highest Daily(2) | Year | Day | Highest Monthly(1) | Year | Lowest Monthly(1) | Year | >= 0.01 | >= 0.10 | >= 0.50 | >= 1.00 | .05 | .10 | .20 | .30 | .40 | .50 | .60 | .70 | .80 | .90 | .95 |
| Jan | 6.19 | 6.25 | 9.01 | 1993 | 20 | 14.94 | 1998 | 1.15 | 1971 | 10.6 | 7.6 | 3.7 | 2.1 | 1.63 | 2.21 | 3.11 | 3.90 | 4.67 | 5.49 | 6.40 | 7.47 | 8.87 | 11.08 | 13.14 |
| Feb | 5.10 | 4.51 | 4.51 | 1961 | 17 | 12.49 | 1988 | .64 | 2000 | 8.3 | 5.8 | 3.1 | 1.7 | 1.27 | 1.75 | 2.49 | 3.15 | 3.80 | 4.49 | 5.25 | 6.16 | 7.35 | 9.23 | 11.00 |
| Mar | 5.07 | 4.75 | 7.29 | 1947 | 13 | 12.73 | 1973 | 1.20 | 1984 | 9.3 | 6.6 | 3.3 | 1.8 | 1.76 | 2.23 | 2.93 | 3.52 | 4.08 | 4.66 | 5.29 | 6.03 | 6.97 | 8.44 | 9.78 |
| Apr | 5.56 | 4.63 | 11.99 | 1967 | 14 | 14.84 | 1980 | .38 | 1976 | 7.9 | 5.4 | 2.8 | 1.8 | .55 | .95 | 1.71 | 2.48 | 3.32 | 4.27 | 5.38 | 6.78 | 8.69 | 11.87 | 14.98 |
| May | 5.34 | 5.08 | 4.85 | 1972 | 7 | 14.67 | 1989 | .35 | 1998 | 8.0 | 5.7 | 3.3 | 1.8 | 1.09 | 1.58 | 2.36 | 3.08 | 3.80 | 4.57 | 5.45 | 6.50 | 7.89 | 10.11 | 12.22 |
| Jun | 5.33 | 4.59 | 9.35 | 2001 | 7 | 23.18 | 1989 | .12 | 1979 | 10.9 | 7.4 | 3.5 | 1.5 | .71 | 1.14 | 1.90 | 2.64 | 3.42 | 4.28 | 5.28 | 6.51 | 8.17 | 10.89 | 13.52 |
| Jul | 5.96 | 6.11 | 4.26 | 1969 | 10 | 10.32 | 1994 | 2.36 | 1995 | 12.7 | 9.0 | 4.1 | 1.8 | 2.78 | 3.30 | 4.01 | 4.59 | 5.13 | 5.67 | 6.25 | 6.91 | 7.74 | 8.99 | 10.12 |
| Aug | 5.86 | 5.04 | 7.94 | 1987 | 11 | 14.48 | 1987 | .38 | 1999 | 12.3 | 8.0 | 3.6 | 1.7 | 1.26 | 1.80 | 2.66 | 3.44 | 4.22 | 5.05 | 5.99 | 7.12 | 8.60 | 10.97 | 13.21 |
| Sep | 4.84 | 4.02 | 6.31 | 1973 | 12 | 13.95 | 1977 | .78 | 1987 | 9.2 | 6.5 | 3.1 | 1.5 | .88 | 1.31 | 2.02 | 2.68 | 3.35 | 4.08 | 4.90 | 5.90 | 7.23 | 9.38 | 11.42 |
| Oct | 3.81 | 2.93 | 4.84 | 1964 | 3 | 14.48 | 1984 | .00 | 1978 | 5.9 | 4.1 | 2.1 | 1.4 | .45 | .92 | 1.57 | 2.11 | 2.66 | 3.25 | 3.91 | 4.70 | 5.74 | 7.42 | 9.00 |
| Nov | 4.76 | 4.06 | 6.16 | 1989 | 7 | 13.55 | 1989 | .42 | 1985 | 8.9 | 5.6 | 3.3 | 1.5 | .87 | 1.29 | 1.98 | 2.63 | 3.29 | 4.01 | 4.82 | 5.80 | 7.11 | 9.22 | 11.22 |
| Dec | 5.26 | 4.69 | 7.22 | 1982 | 3 | 15.94 | 1982 | 1.83 | 1996 | 9.4 | 6.8 | 3.1 | 1.7 | 1.56 | 2.06 | 2.81 | 3.46 | 4.08 | 4.74 | 5.46 | 6.31 | 7.41 | 9.13 | 10.73 |
| Ann | 63.08 | 61.55 | 11.99 | Apr 1967 | 14 | 23.18 | Jun 1989 | .00 | Oct 1978 | 113.4 | 78.5 | 39.0 | 20.3 | 44.19 | 47.82 | 52.49 | 56.04 | 59.20 | 62.26 | 65.42 | 68.92 | 73.17 | 79.35 | 84.70 |

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1930-2001
(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Depar[illegible]f Commerce
National Oc[illegible] & Atmospheric Administration
National Environmental Satellite, Data,
and Information Services

# Climato[illegible]hy of the United States No. 20 1971-2000

National Climatic Dat[illegible]r
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

**Station: BATON ROUGE RYAN AP, LA** **COOP ID: 160549**

**Climate Division: LA 6** **NWS Call Sign: BTR** **Elevation: 64 Feet** **Lat: 30°32N** **Lon: 91°09W**

| Snow (inches) | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Snow Totals | | | | | | | | | | | | | | | | Mean Number of Days (1) | | | | | | | | |
| Means/Medians (1) | | | | | Extremes (2) | | | | | | | | | | | Snow Fall >= Thresholds | | | | | Snow Depth >= Thresholds | | | |
| Month | Snow Fall Mean | Snow Fall Median | Snow Depth Mean | Snow Depth Median | Highest Daily Snow Fall | Year | Day | Highest Monthly Snow Fall | Year | Highest Daily Snow Depth | Year | Day | Highest Monthly Mean Snow Depth | Year | 0.1 | 1.0 | 3.0 | 5.0 | 10.0 | 1 | 3 | 5 | 10 |
| Jan | .0 | .0 | # | 0 | .5 | 1973 | 11 | .6 | 1973 | 1 | 1973 | 12 | # | 1973 | .1 | .0 | .0 | .0 | .0 | @ | .0 | .0 | .0 |
| Feb | .2 | .0 | # | 0 | 3.2 | 1988 | 5 | 3.2 | 1988 | 2 | 1988 | 6 | # | 1988 | .1 | .1 | @ | .0 | .0 | .1 | .0 | .0 | .0 |
| Mar | # | .0 | 0 | 0 | # | 1993 | 12 | #+ | 1993 | 0 | 0 | 0 | 0 | 0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| Apr | .0 | .0 | 0 | 0 | .0 | 0 | 0 | .0 | 0 | 0 | 0 | 0 | 0 | 0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| May | .0 | .0 | # | 0 | .0 | 0 | 0 | .0 | 0 | 0 | 0 | 0 | # | 1989 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| Jun | .0 | .0 | 0 | 0 | .0 | 0 | 0 | .0 | 0 | 0 | 0 | 0 | 0 | 0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| Jul | .0 | .0 | 0 | 0 | .0 | 0 | 0 | .0 | 0 | 0 | 0 | 0 | 0 | 0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| Aug | .0 | .0 | 0 | 0 | .0 | 0 | 0 | .0 | 0 | 0 | 0 | 0 | 0 | 0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| Sep | .0 | .0 | 0 | 0 | .0 | 0 | 0 | .0 | 0 | 0 | 0 | 0 | 0 | 0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| Oct | .0 | .0 | 0 | 0 | .0 | 0 | 0 | .0 | 0 | 0 | 0 | 0 | 0 | 0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| Nov | # | .0 | 0 | 0 | # | 1976 | 28 | # | 1976 | # | 1976 | 29 | 0 | 0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| Dec | # | .0 | 0 | 0 | # | 1989 | 22 | #+ | 1989 | 0 | 0 | 0 | 0 | 0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| Ann | .2 | .0 | N/A | N/A | 3.2 | Feb 1988 | 5 | 3.2 | Feb 1988 | 2 | Feb 1988 | 6 | #+ | May 1989 | .2 | .1 | @ | .0 | .0 | .1 | .0 | .0 | .0 |

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

# Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

**Station: BATON ROUGE RYAN AP, LA** **COOP ID: 160549**

**Climate Division: LA 6** **NWS Call Sign: BTR** **Elevation: 64 Feet** **Lat: 30°32N** **Lon: 91°09W**

## Freeze Data

### Spring Freeze Dates (Month/Day)

| Temp (F) | Probability of later date in spring (thru Jul 31) than indicated(*) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | .10 | .20 | .30 | .40 | .50 | .60 | .70 | .80 | .90 |
| 36 | 4/01 | 3/26 | 3/21 | 3/17 | 3/13 | 3/10 | 3/06 | 3/01 | 2/23 |
| 32 | 3/19 | 3/12 | 3/07 | 3/02 | 2/26 | 2/22 | 2/17 | 2/12 | 2/05 |
| 28 | 3/08 | 2/27 | 2/20 | 2/14 | 2/08 | 2/03 | 1/28 | 1/21 | 1/12 |
| 24 | 2/23 | 2/13 | 2/05 | 1/28 | 1/20 | 1/08 | 0/00 | 0/00 | 0/00 |
| 20 | 1/28 | 1/16 | 1/04 | 12/16 | 0/00 | 0/00 | 0/00 | 0/00 | 0/00 |
| 16 | 1/13 | 0/00 | 0/00 | 0/00 | 0/00 | 0/00 | 0/00 | 0/00 | 0/00 |

### Fall Freeze Dates (Month/Day)

| Temp (F) | Probability of earlier date in fall (beginning Aug 1) than indicated(*) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | .10 | .20 | .30 | .40 | .50 | .60 | .70 | .80 | .90 |
| 36 | 10/27 | 11/02 | 11/07 | 11/11 | 11/14 | 11/18 | 11/21 | 11/26 | 12/02 |
| 32 | 11/09 | 11/16 | 11/21 | 11/25 | 11/29 | 12/03 | 12/07 | 12/12 | 12/19 |
| 28 | 11/21 | 11/29 | 12/04 | 12/09 | 12/13 | 12/18 | 12/22 | 12/28 | 1/04 |
| 24 | 12/06 | 12/16 | 12/25 | 1/02 | 1/11 | 1/24 | 0/00 | 0/00 | 0/00 |
| 20 | 12/22 | 12/30 | 1/07 | 1/17 | 0/00 | 0/00 | 0/00 | 0/00 | 0/00 |
| 16 | 1/11 | 0/00 | 0/00 | 0/00 | 0/00 | 0/00 | 0/00 | 0/00 | 0/00 |

### Freeze Free Period

| Temp (F) | Probability of longer than indicated freeze free period (Days) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | .10 | .20 | .30 | .40 | .50 | .60 | .70 | .80 | .90 |
| 36 | 270 | 261 | 255 | 250 | 245 | 240 | 235 | 229 | 220 |
| 32 | 303 | 294 | 287 | 281 | 275 | 270 | 264 | 257 | 248 |
| 28 | 344 | 330 | 320 | 313 | 306 | 299 | 292 | 283 | 271 |
| 24 | >365 | >365 | >365 | >365 | >365 | >365 | 330 | 314 | 298 |
| 20 | >365 | >365 | >365 | >365 | >365 | >365 | >365 | >365 | 338 |
| 16 | >365 | >365 | >365 | >365 | >365 | >365 | >365 | >365 | >365 |

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

# Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

**Station: BATON ROUGE RYAN AP, LA** **COOP ID: 160549**

**Climate Division: LA 6** **NWS Call Sign: BTR** **Elevation: 64 Feet** **Lat: 30°32N** **Lon: 91°09W**

## Degree Days to Selected Base Temperatures (°F)

### Heating Degree Days (1)

| Base Below | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Ann |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | 457 | 326 | 185 | 57 | 4 | 0 | 0 | 0 | 2 | 49 | 212 | 397 | 1689 |
| 60 | 350 | 211 | 84 | 11 | 0 | 0 | 0 | 0 | 0 | 17 | 130 | 278 | 1081 |
| 57 | 282 | 153 | 46 | 3 | 0 | 0 | 0 | 0 | 0 | 7 | 87 | 214 | 792 |
| 55 | 242 | 121 | 28 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 63 | 177 | 636 |
| 50 | 158 | 57 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 100 | 345 |
| 32 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 14 |

### Cooling Degree Days (1)

| Base Above | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Ann |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | 585 | 624 | 902 | 1061 | 1328 | 1453 | 1561 | 1548 | 1377 | 1130 | 824 | 654 | 13047 |
| 55 | 77 | 101 | 228 | 375 | 615 | 763 | 848 | 835 | 687 | 420 | 192 | 104 | 5245 |
| 57 | 58 | 76 | 184 | 319 | 553 | 703 | 786 | 773 | 627 | 361 | 154 | 81 | 4675 |
| 60 | 35 | 47 | 125 | 239 | 460 | 613 | 693 | 680 | 537 | 276 | 106 | 54 | 3865 |
| 65 | 11 | 15 | 55 | 119 | 298 | 457 | 534 | 523 | 389 | 157 | 48 | 22 | 2628 |
| 70 | 2 | 3 | 17 | 49 | 166 | 313 | 383 | 370 | 247 | 69 | 14 | 5 | 1638 |

## Growing Degree Units (2)

| Base | Growing Degree Units (Monthly) | | | | | | | | | | | | Growing Degree Units (Accumulated Monthly) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | 364 | 435 | 661 | 829 | 1087 | 1222 | 1323 | 1308 | 1146 | 891 | 596 | 426 | 364 | 799 | 1460 | 2289 | 3376 | 4598 | 5921 | 7229 | 8375 | 9266 | 9862 | 10288 |
| 45 | 244 | 305 | 512 | 679 | 932 | 1072 | 1168 | 1153 | 996 | 737 | 448 | 294 | 244 | 549 | 1061 | 1740 | 2672 | 3744 | 4912 | 6065 | 7061 | 7798 | 8246 | 8540 |
| 50 | 152 | 197 | 367 | 529 | 777 | 922 | 1013 | 998 | 846 | 583 | 310 | 183 | 152 | 349 | 716 | 1245 | 2022 | 2944 | 3957 | 4955 | 5801 | 6384 | 6694 | 6877 |
| 55 | 81 | 111 | 237 | 383 | 622 | 772 | 858 | 843 | 696 | 429 | 201 | 109 | 81 | 192 | 429 | 812 | 1434 | 2206 | 3064 | 3907 | 4603 | 5032 | 5233 | 5342 |
| 60 | 41 | 53 | 131 | 247 | 467 | 622 | 703 | 688 | 546 | 284 | 113 | 56 | 41 | 94 | 225 | 472 | 939 | 1561 | 2264 | 2952 | 3498 | 3782 | 3895 | 3951 |
| Base | Growing Degree Units for Corn (Monthly) | | | | | | | | | | | | Growing Degree Units for Corn (Accumulated Monthly) | | | | | | | | | | | |
| 50/86 | 218 | 261 | 415 | 544 | 758 | 851 | 927 | 912 | 799 | 587 | 373 | 263 | 218 | 479 | 894 | 1438 | 2196 | 3047 | 3974 | 4886 | 5685 | 6272 | 6645 | 6908 |

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Notes

a. The monthly means are simple arithmetic averages computed by summing the monthly values for the period 1971-2000 and dividing by thirty. Prior to averaging, the data are adjusted if necessary to compensate for data quality issues, station moves or changes in station reporting practices. Missing months are replaced by estimates based on neighboring stations.

b. The median is defined as the middle value in an ordered set of values. The median is being provided for the snow and precipitation elements because the mean can be a misleading value for precipitation normals.

c. Only observed validated values were used to select the extreme daily values.

d. Extreme monthly temperature/precipitation means were selected from the monthly normals data.
Monthly snow extremes were calculated from daily values quality controlled to be consistent with the Snow Climatology.

e. Degree Days were derived using the same techniques as the 1971-2000 normals.
Compete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

f. Mean "number of days statistics" for temperature and precipitation were calculated from a serially complete daily data set .
Documentation of the serially complete data set is available from the link below:

g. Snowfall and snow depth statistics were derived from the Snow Climatology.
Documentation for the Snow Climatology project is available from the link under references.

Data Sources for Tables

Several different data sources were used to create the Clim20 climate summaries. In some cases the daily extremes appear inconsistent with the monthly extremes and or the mean number of days statistics. For example, a high daily extreme value may not be reflected in the highest monthly value or the mean number of days threshold that is less than and equal to the extreme value. Some of these difference are caused by different periods of record. Daily extremes are derived from the station's entire period of record while the serial data and normals data were are for the 1971-2000 period. Therefore extremes observed before 1971 would not be included in the 1971-2000 normals or the 1971-2000 serial daily data set. Inconsistencies can also occur when monthly values are adjusted to reflect the current observing conditions or were replaced during the 1971-2000 Monthly Normals processing and are not reconciled with the Summary of the Day data.

a. Temperature/ Precipitation Tables
   1. 1971-2000 Monthly Normals
   2. Cooperative Summary of the Day
   3. National Weather Service station records
   4. 1971-2000 serially complete daily data

b. Degree Day Table
   1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals
   2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data

c. Snow Tables
   1. Snow Climatology
   2. Cooperative Summary of the Day

d. Freeze Data Table
   1971-2000 serially complete daily data

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normals.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/usnormalsprods.html
Snow Climatology Project Description, www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html
Eischeid, J. K., P. Pasteris, H. F. Diaz, M. Plantico, and N. Lott, 2000: Creating a serially complete, national daily time series of temperature and precipitation for the Western United States. J. Appl. Meteorol., 39, 1580-1591,
www1.ncdc.noaa.gov/pub/data/special/ serialcomplete_jam_0900.pdf

# Miscellaneous Hurricane Information

| Hurricanes and Tropical Storms in Louisiana<br>Tropical Cyclone Strikes By Decade | | | |
|---|---|---|---|
| Decade | Hurricanes | Tropical Storms | Total |
| 1850's | 3 | 1 | 4 |
| 1860's | 7 | 2 | 9 |
| 1870's | 6 | 3 | 9 |
| 1880's | 7 | 3 | 10 |
| 1890's | 3 | 6 | 9 |
| 1900's | 2 | 7 | 9 |
| 1910's | 3 | 2 | 5 |
| 1920's | 3 | 2 | 5 |
| 1930's | 2 | 8 | 10 |
| 1940's | 3 | 9 | 12 |
| 1950's | 2 | 7 | 9 |
| 1960's | 4 | 1 | 5 |
| 1970's | 4 | 3 | 7 |
| 1980's | 4 | 5 | 9 |
| 1990's | 3 | 2 | 5 |
| 2000's | TBD | TBD | TBD |
| Totals | 56 | 61 | 117 |

c:\LAHurricanes

# Highest Rainfall Amounts Associated with Past Hurricanes/Tropical Storms

| Amount | Location | Dates of the Event |
|---|---|---|
| 33.71" | Crowley | 8/06-10/1940 |
| 31.66" | Abbeville | 8/06-10/1940 |
| 29.65" | Lafayette | 8/06-10/1940 |
| 22.30" | Logansport | 7/22-26/1933 |
| 21.10" | Terrytown | 9/10-14/1998 |
| 19.26" | Morgan City | 9/15-19/1943 |
| 17.78" | Galliano | 10/27-31/1985 |
| 17.71" | Jeanerette | 10/2-4/1964 |
| 17.60" | Gueydan | 8/08/1940 |
| 16.70" | Golden Meadow | 9/24-26/1956 |

# Ten Most Deadly Storms to Hit Louisiana

| Fatalities | Dates |
|---|---|
| 2,000 | 10/1-2/1893 |
| 526 | 6/27/1957 |
| 353 | 9/20/1909 |
| 275 | 9/29/1915 |
| 218+ | 8/10-12/1856 |
| 110 | 10/12/1886 |
| 81 | 10/3/1964 |
| 51 | 9/19-20/1947 |
| 47 | 8/11/1860 |
| 45 | 8/19-20/1812 |

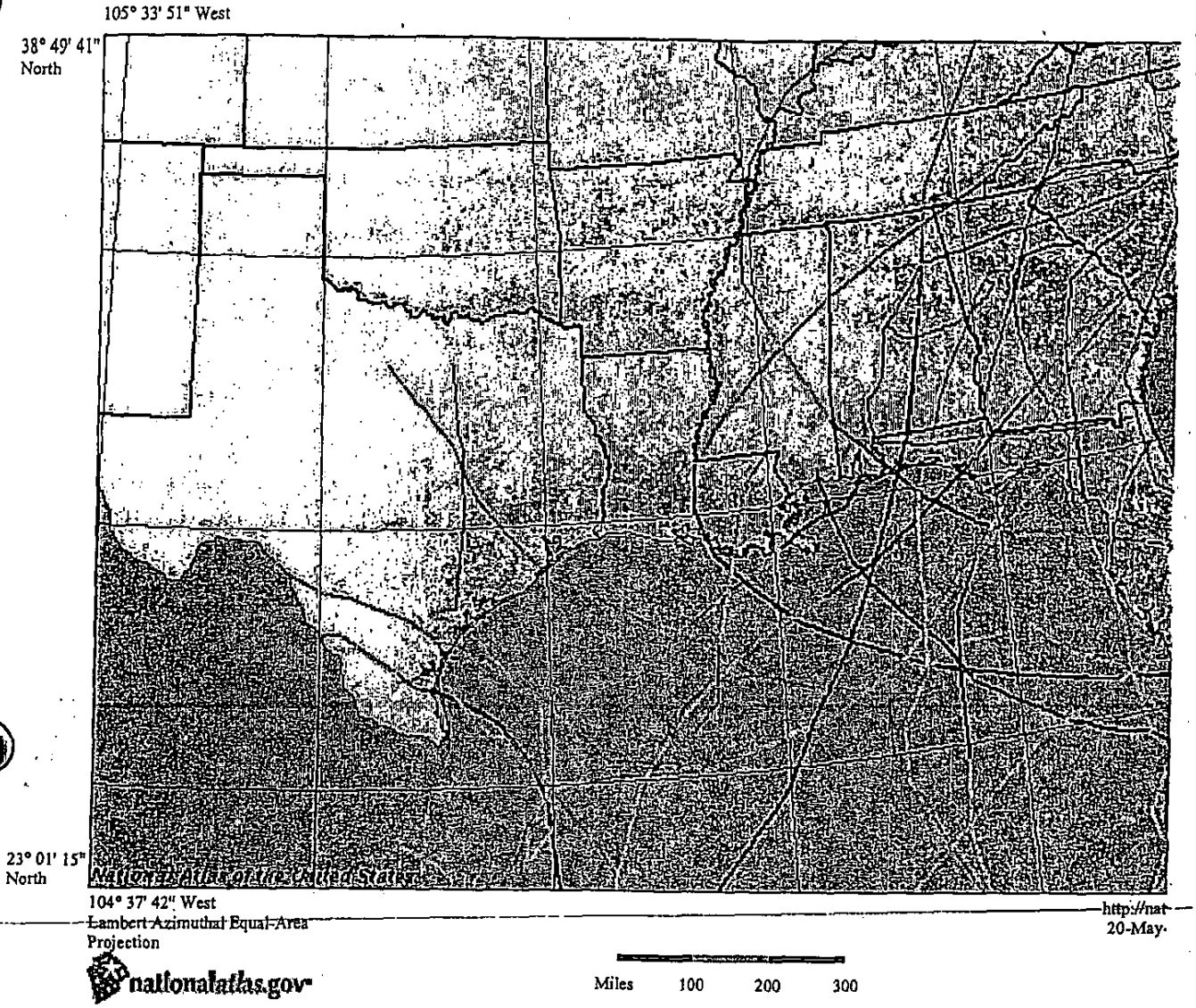
| Highest Wind Gusts in Louisiana | | |
|---|---|---|
| Highest Gust | Location | Date |
| 175 mph | Bayou Teche | 8/26/1992 |
| 160 mph | Lower Plaquemines | 8/17/1969 |
| 160 mph | Grand Isle | 9/9/1965 |
| 150 mph | Oil Rig Offshore SW LA | 6/27/1957 |
| 135 mph | Franklin | 10/3/1964 |
| 130 mph | New Canal Lighthouse | 9/29/1915 |
| 125 mph | Sulphur | 8/6/1918 |
| 125 mph | New Orleans | 9/20/1947 |
| 125 mph | Slidell | 8/18/1969 |
| 120 mph | Thibodaux and Napoleonville | 8/26/1926 |
| 120 mph | Abbeville | 9/8/1974 |

c:\LAWindGusts

# Lowest Barometric Pressures Recorded in Louisiana

| Pressure | Date | Location |
|---|---|---|
| 27.90" | 8/17/1969 | Garden Island |
| 28.00" | 9/09/1965 | Houma & Grand Isle |
| 28.01" | 9/29/1915 | New Orleans Harbor |
| 28.20" | 8/11/1856 | Isle Dernieres |
| 28.31" | 8/26/1926 | Houma |
| 28.36" | 8/06/1918 | Sulphur |
| 28.40" | 10/3/1964 | Franklin |
| 28.56" | 8/18/1969 | Slidell |
| 28.57" | 9/19/1947 | New Orleans |
| 28.65" | 10/2/1893 | Pascagoula, MS |

# Hurricanes and Tropical Storms: 1990's




## MAP KEY

### Boundaries

States

Source: U. S. Geological Survey

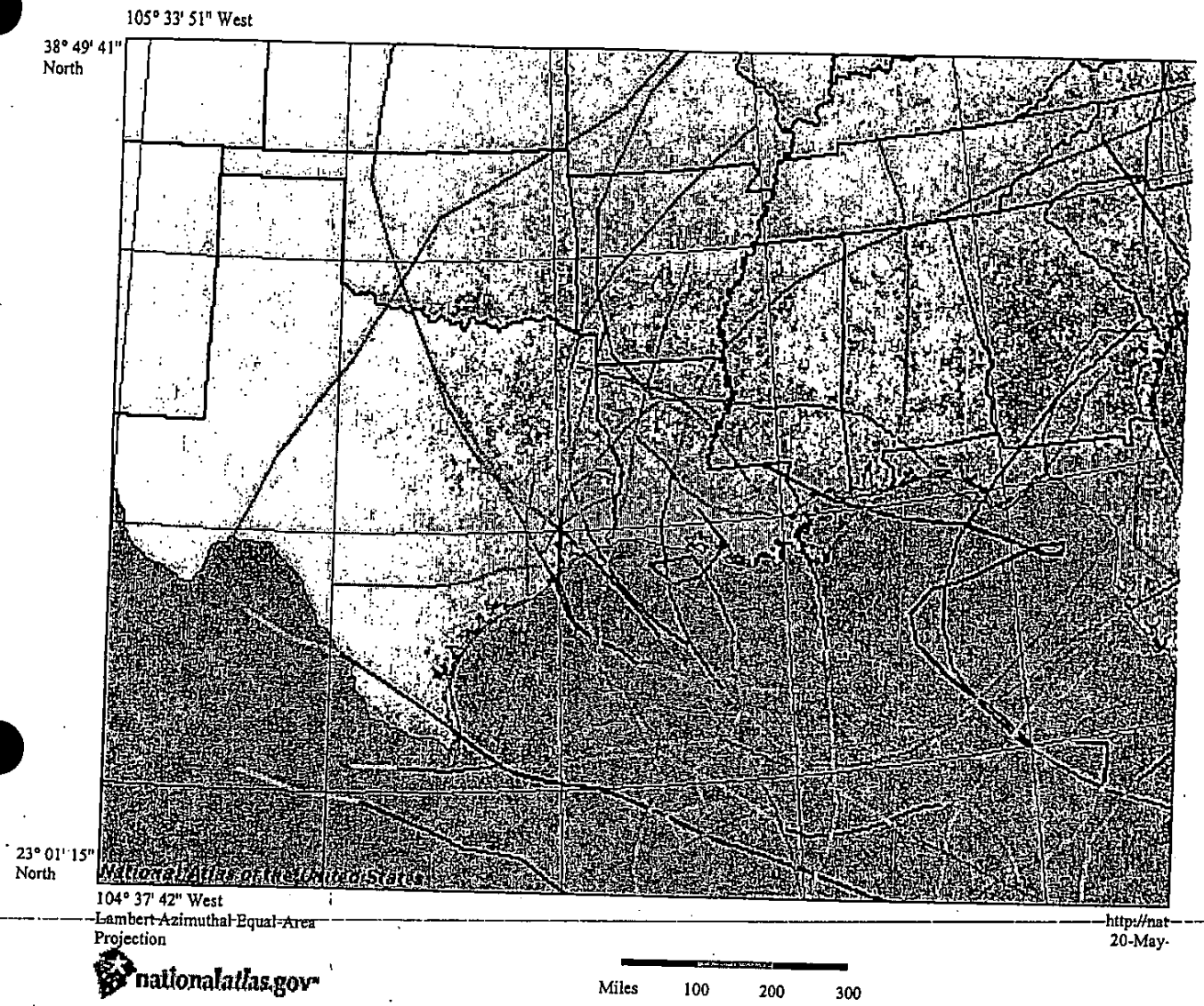
States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# Hurricanes and Tropical Storms: 1980's




http://nat
20-May-

## MAP KEY

### Boundaries

States

Source: U. S. Geological Survey

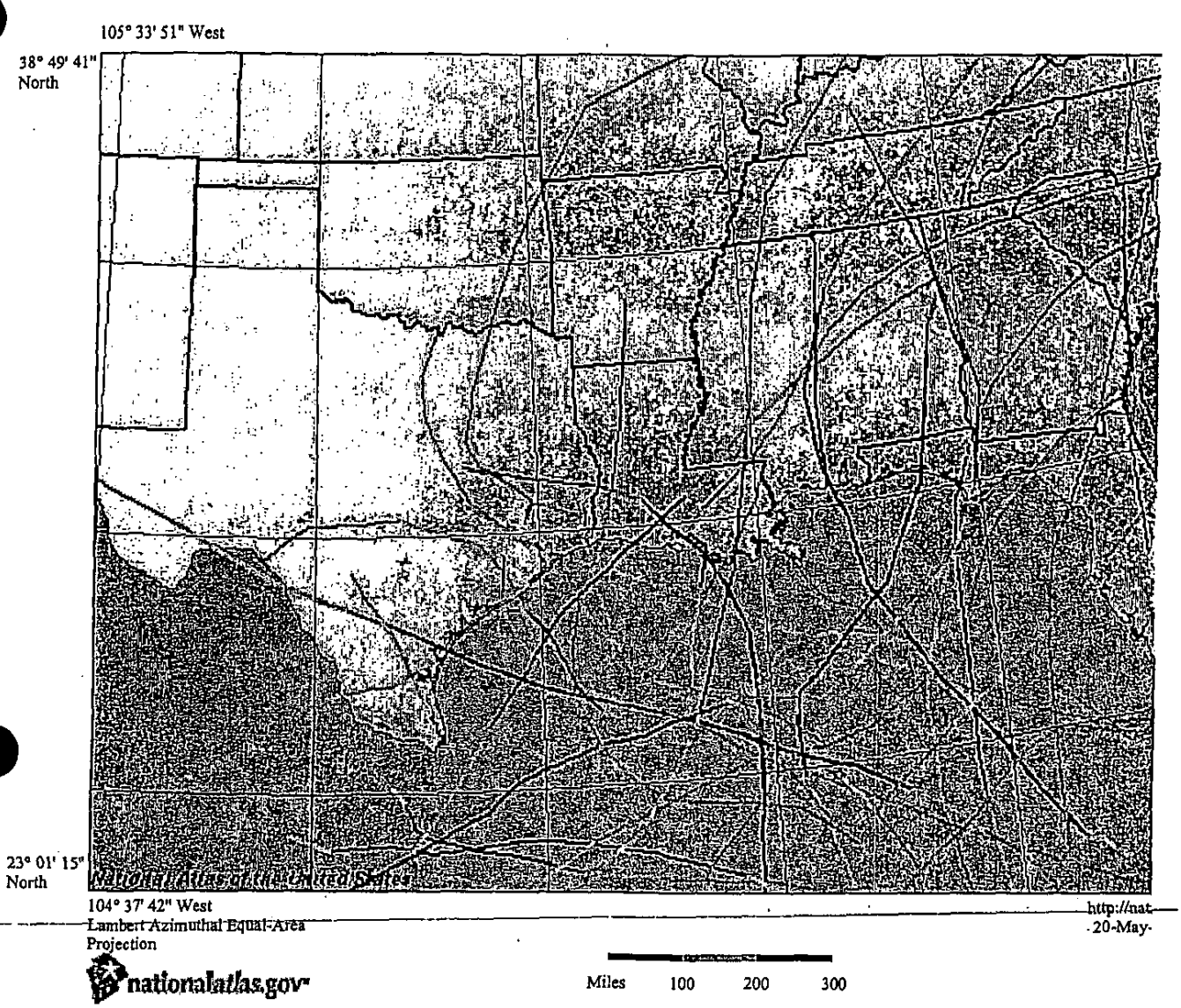
States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# Hurricanes and Tropical Storms: 1970's




## MAP KEY

### Boundaries

States

Source: U. S. Geological Survey

States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# Hurricanes and Tropical Storms: 1960's

Lambert Azimuthal Equal-Area Projection

http://nat
20-May-

nationalatlas.gov

Miles 100 200 300

## MAP KEY

### Boundaries

States

Source: U. S. Geological Survey

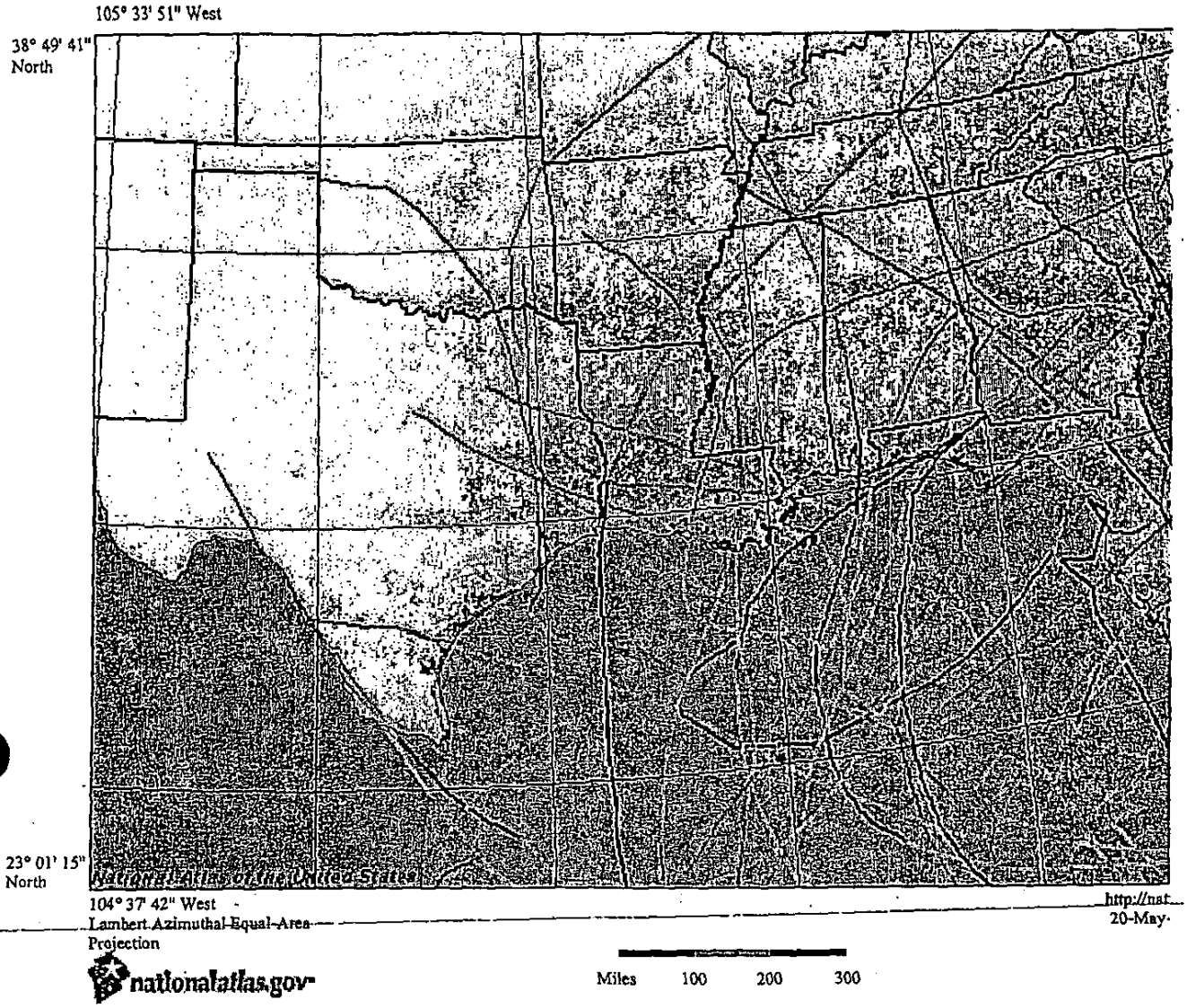
States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# Hurricanes and Tropical Storms: 1950's




## MAP KEY

### Boundaries

States

Source: U. S. Geological Survey

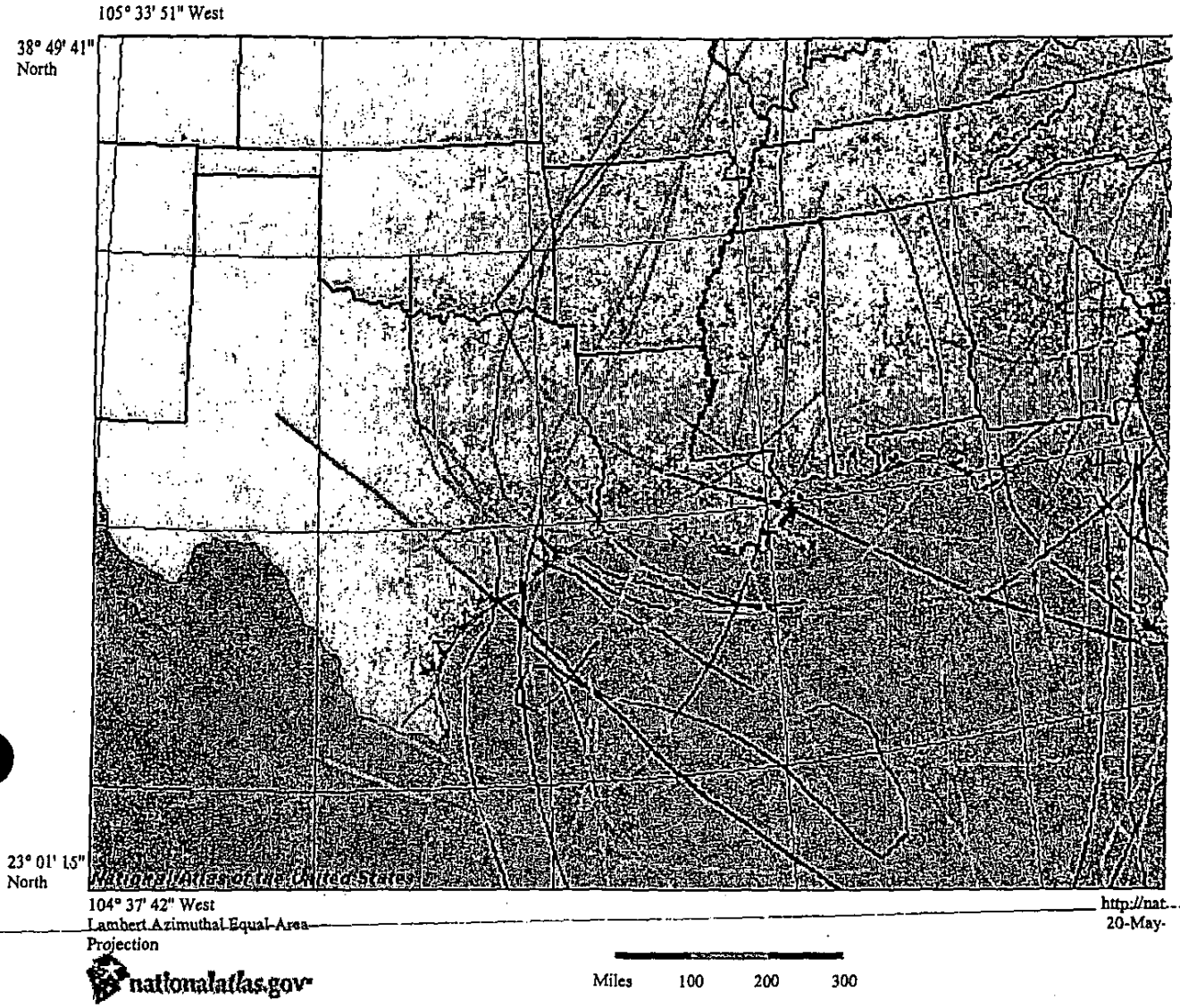
States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# Hurricanes and Tropical Storms: 1940's




http://nat...
20-May-

## MAP KEY

### Boundaries

States

Source: U. S. Geological Survey

States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# Hurricanes and Tropical Storms: 1930's

nationalatlas.gov

## MAP KEY

### Boundaries

States

Source: U. S. Geological Survey

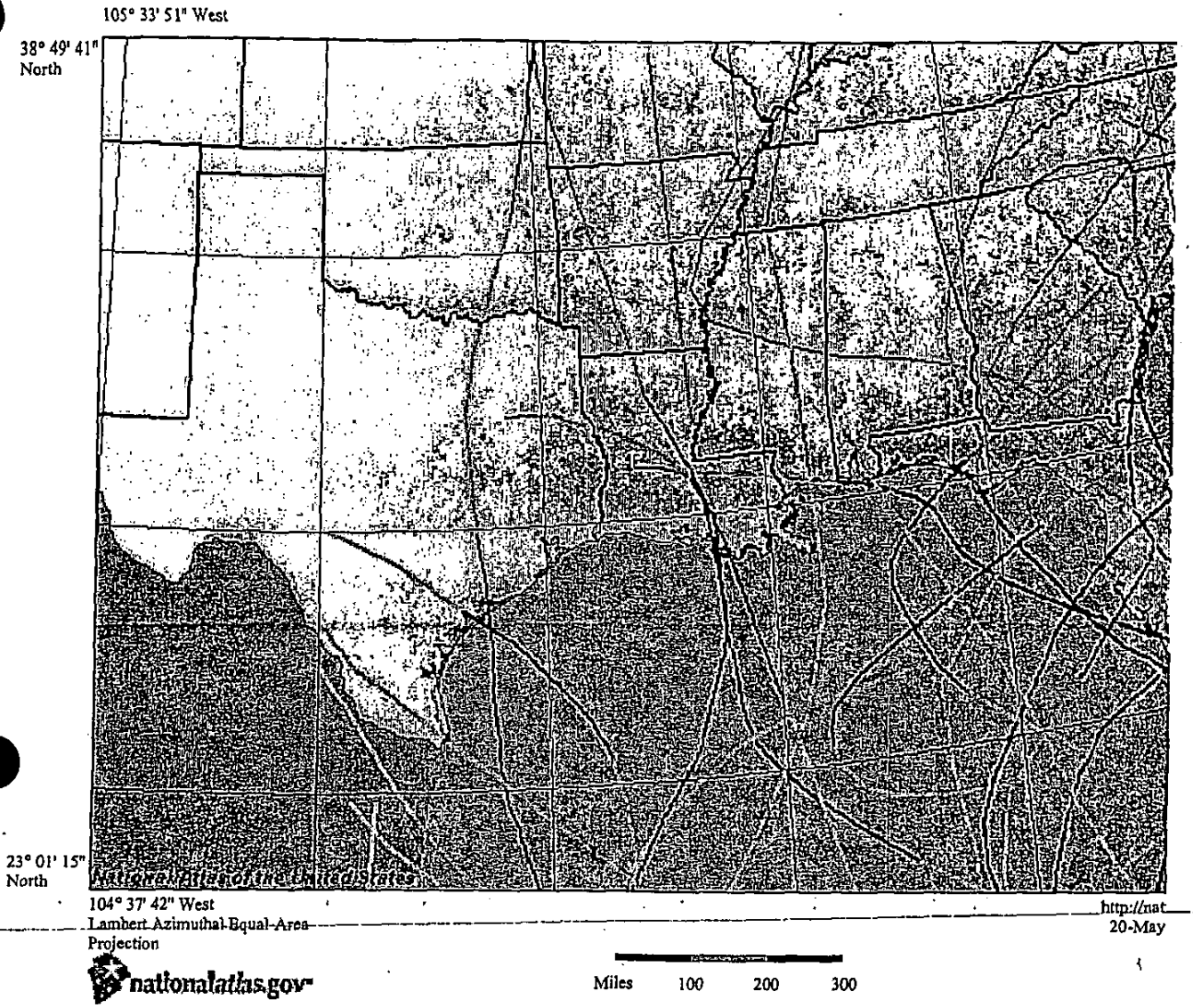
States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# Hurricanes and Tropical Storms: 1920's




## MAP KEY

### Boundaries

States

Source: U. S. Geological Survey

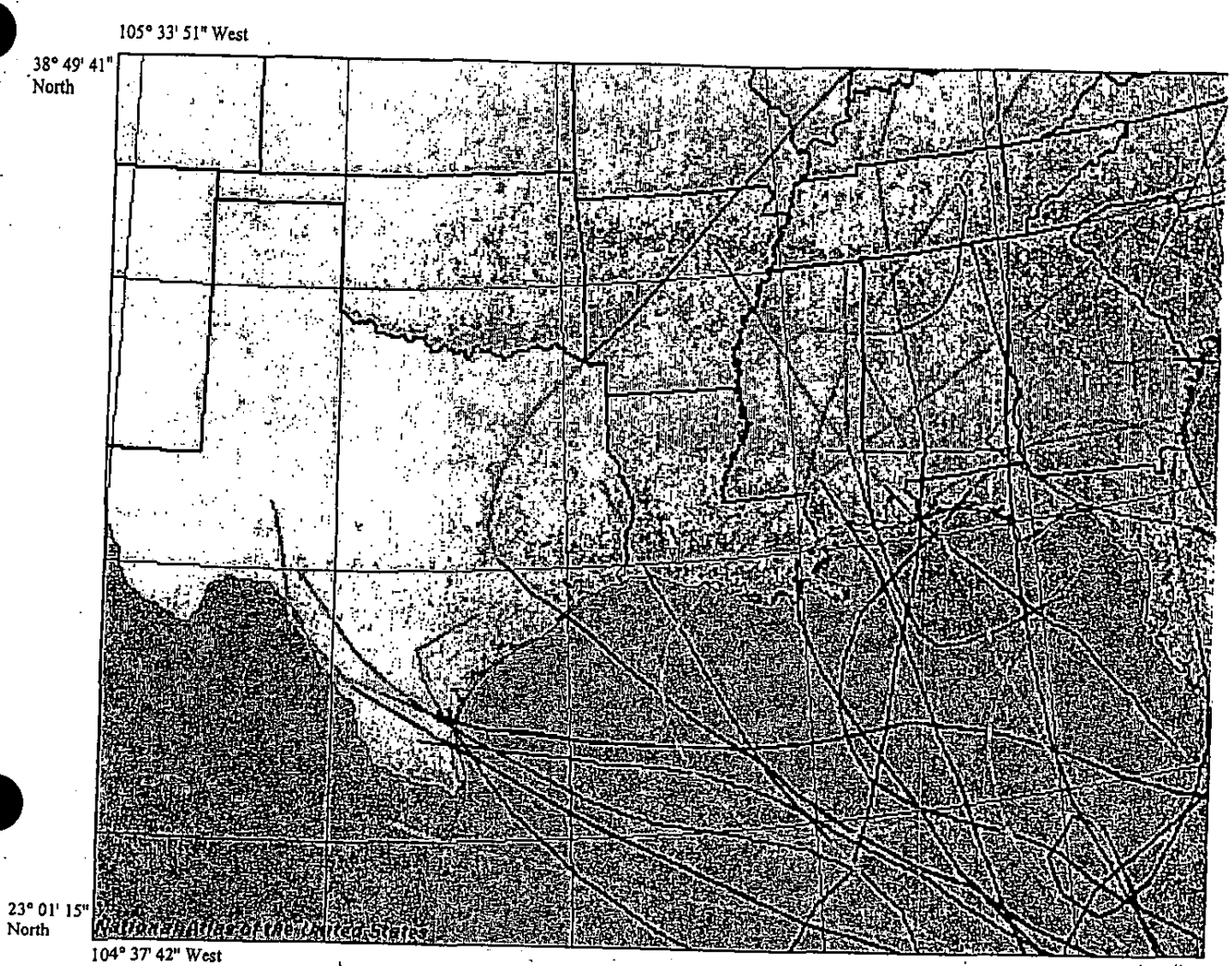
States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# Hurricanes and Tropical Storms: 1910's




## MAP KEY

### Boundaries

States

Source: U. S. Geological Survey

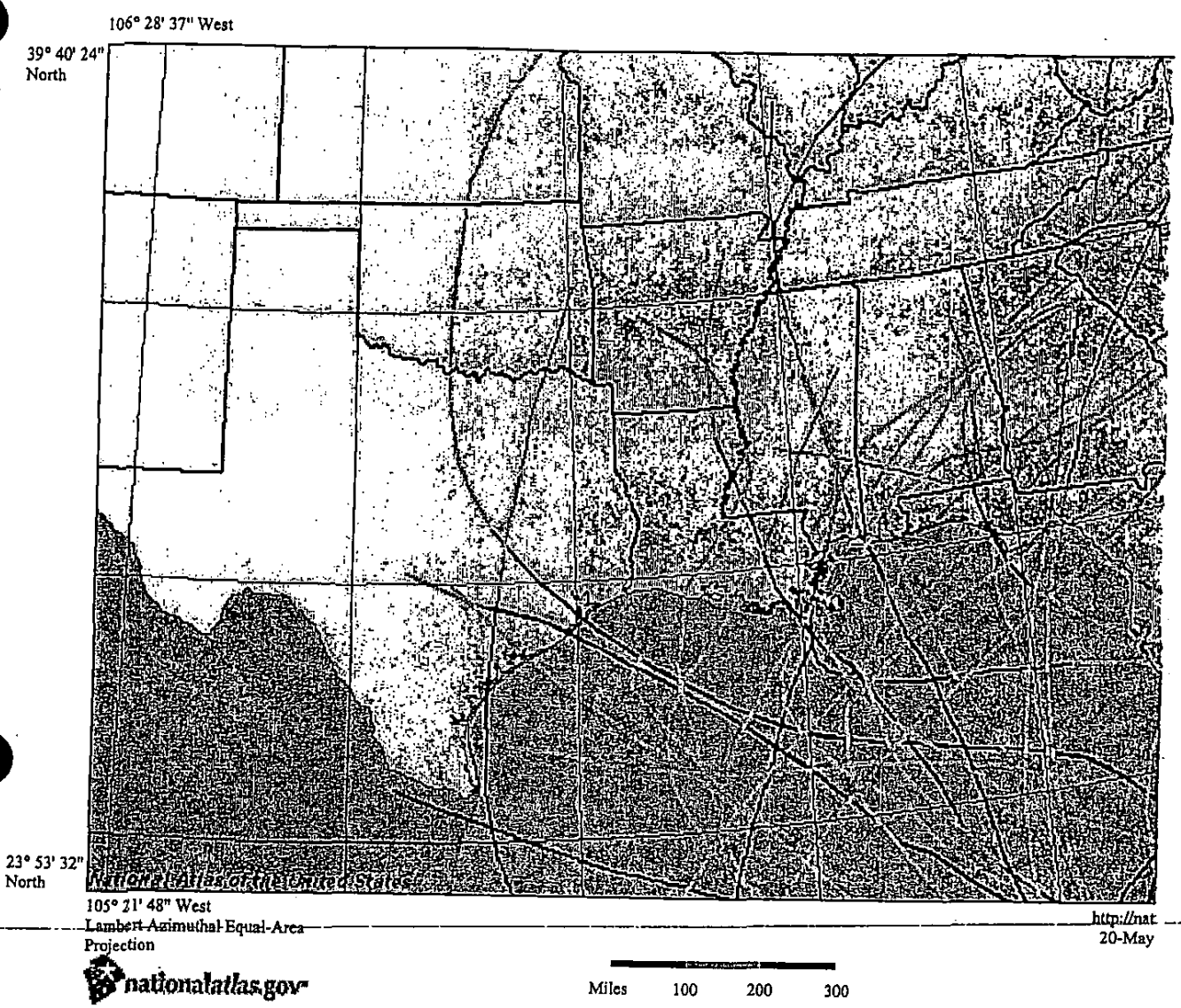
States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# Hurricanes and Tropical Storms: 1900's




## MAP KEY

### Boundaries

States

Source: U. S. Geological Survey

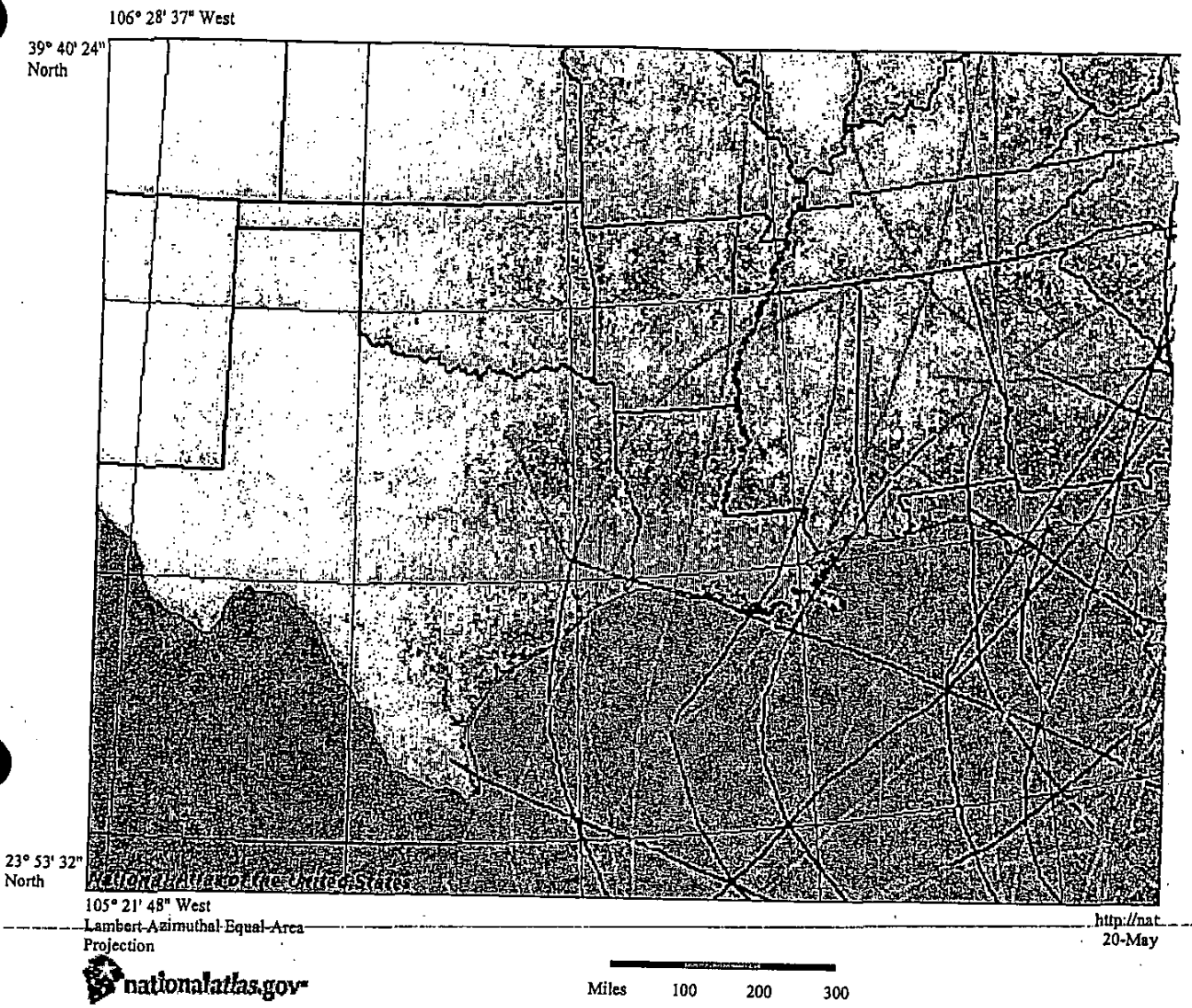
States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# Hurricanes and Tropical Storms: 1890's




## MAP KEY

### Boundaries

States

Source: U. S. Geological Survey

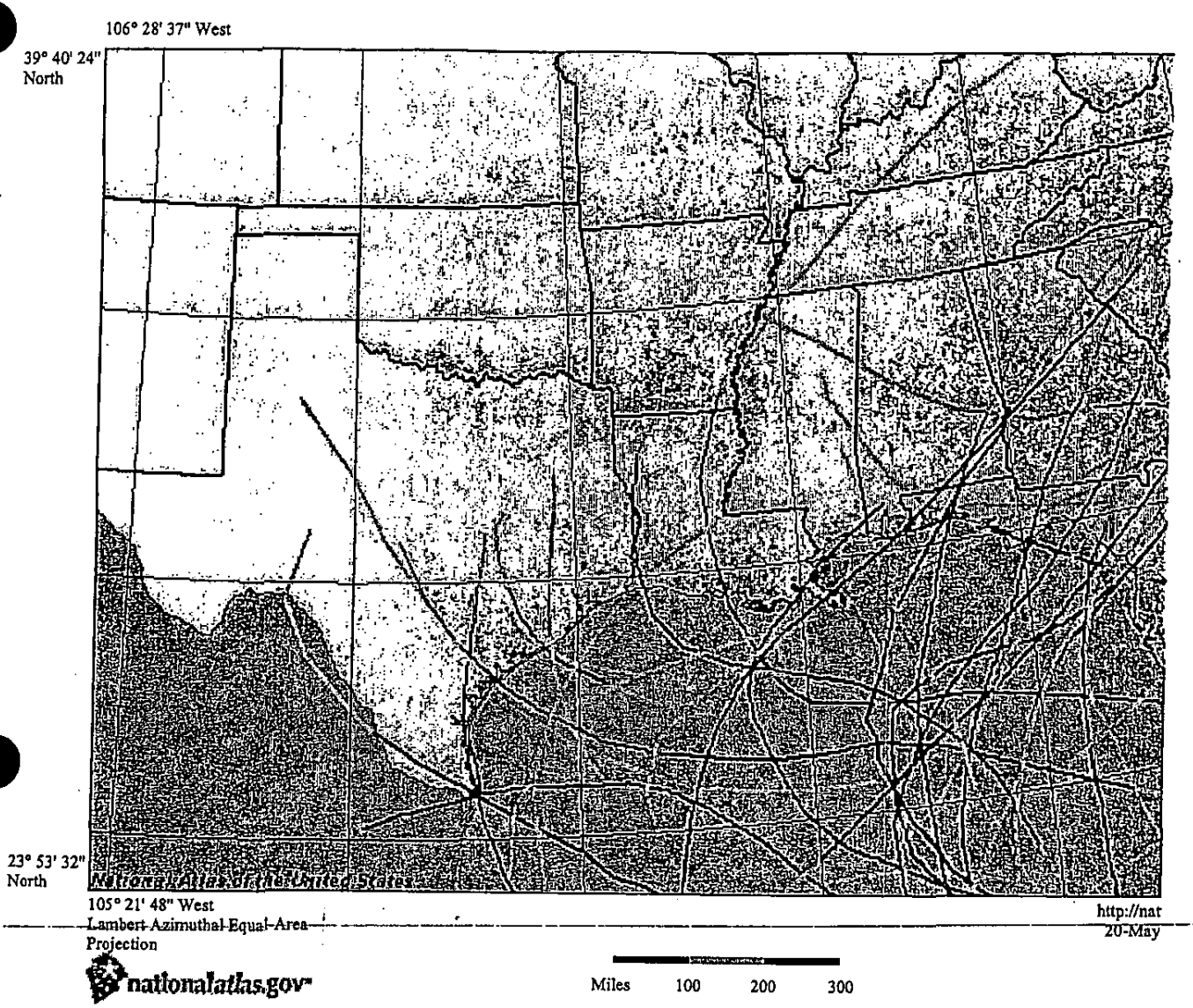
States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# Hurricanes and Tropical Storms: 1880's




## MAP KEY

### Boundaries

States

Source: U. S. Geological Survey

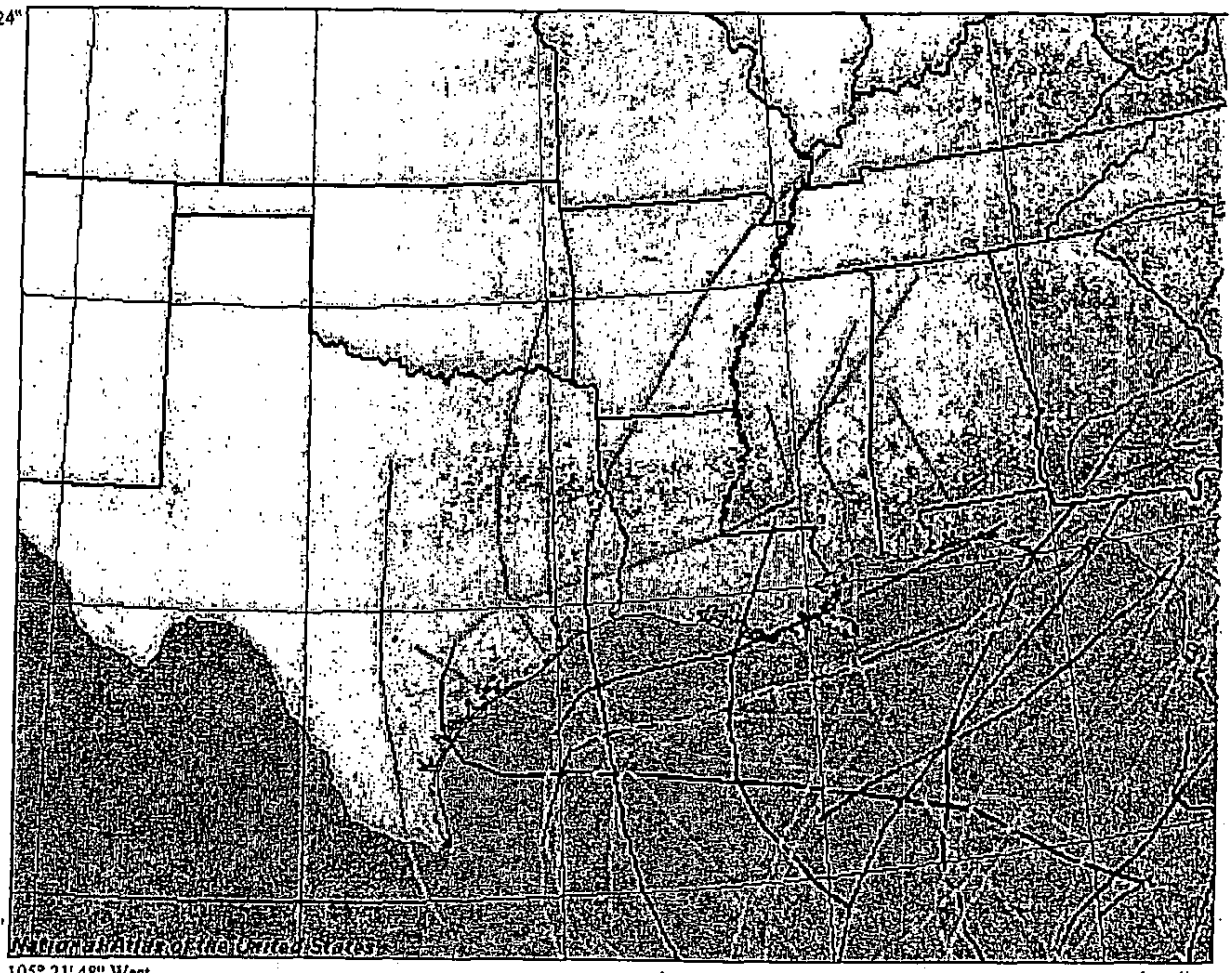
States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# Hurricanes and Tropical Storms: 1870's




Lambert Azimuthal Equal-Area Projection

http://nat
20-May

nationalatlas.gov

Miles 100 200 300

## MAP KEY

### Boundaries

States

Source: U. S. Geological Survey

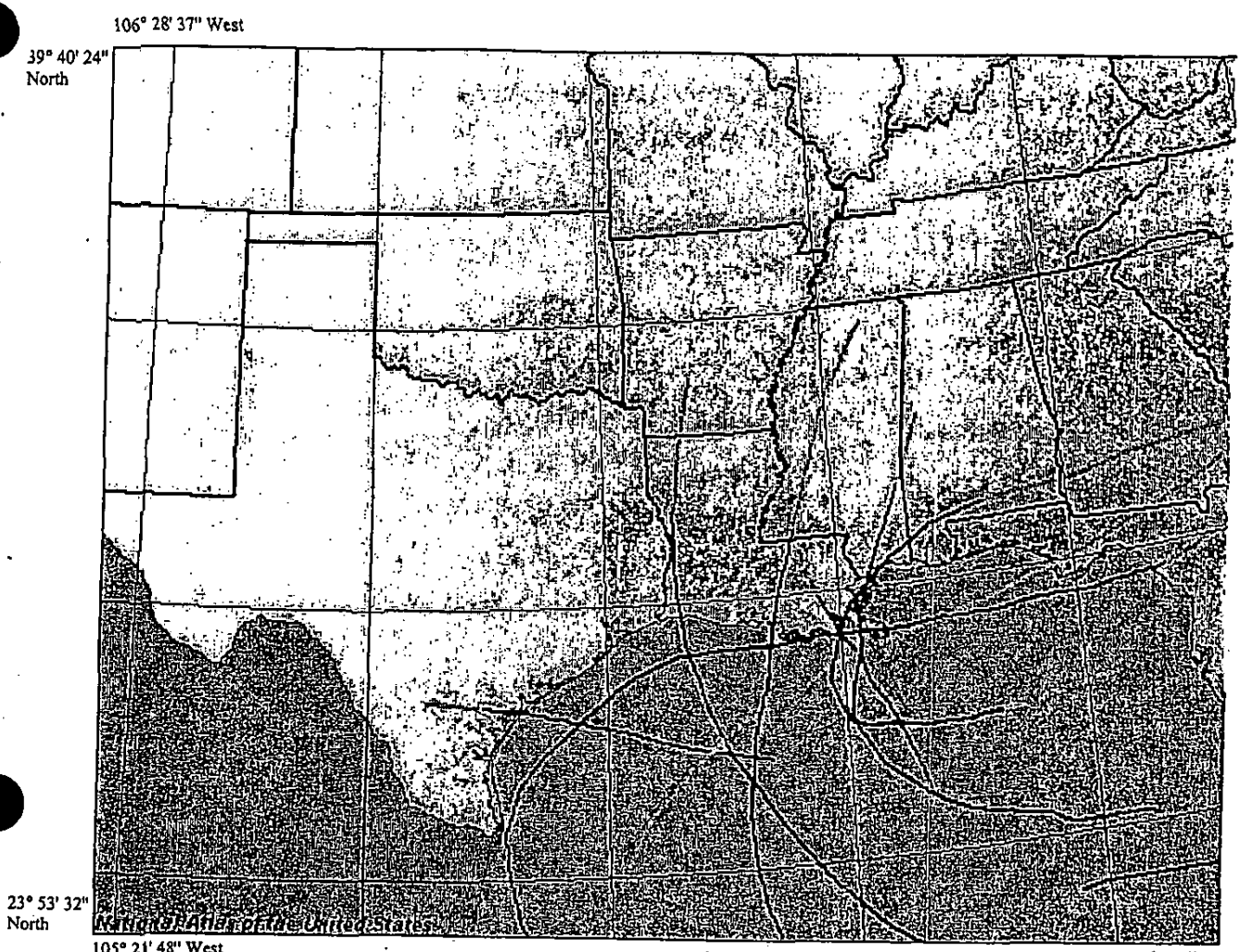
States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# Hurricanes and Tropical Storms: 1860's




## MAP KEY

### Boundaries

States

Source: U. S. Geological Survey

States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# Hurricanes and Tropical Storms: 1850's

## MAP KEY

### Boundaries

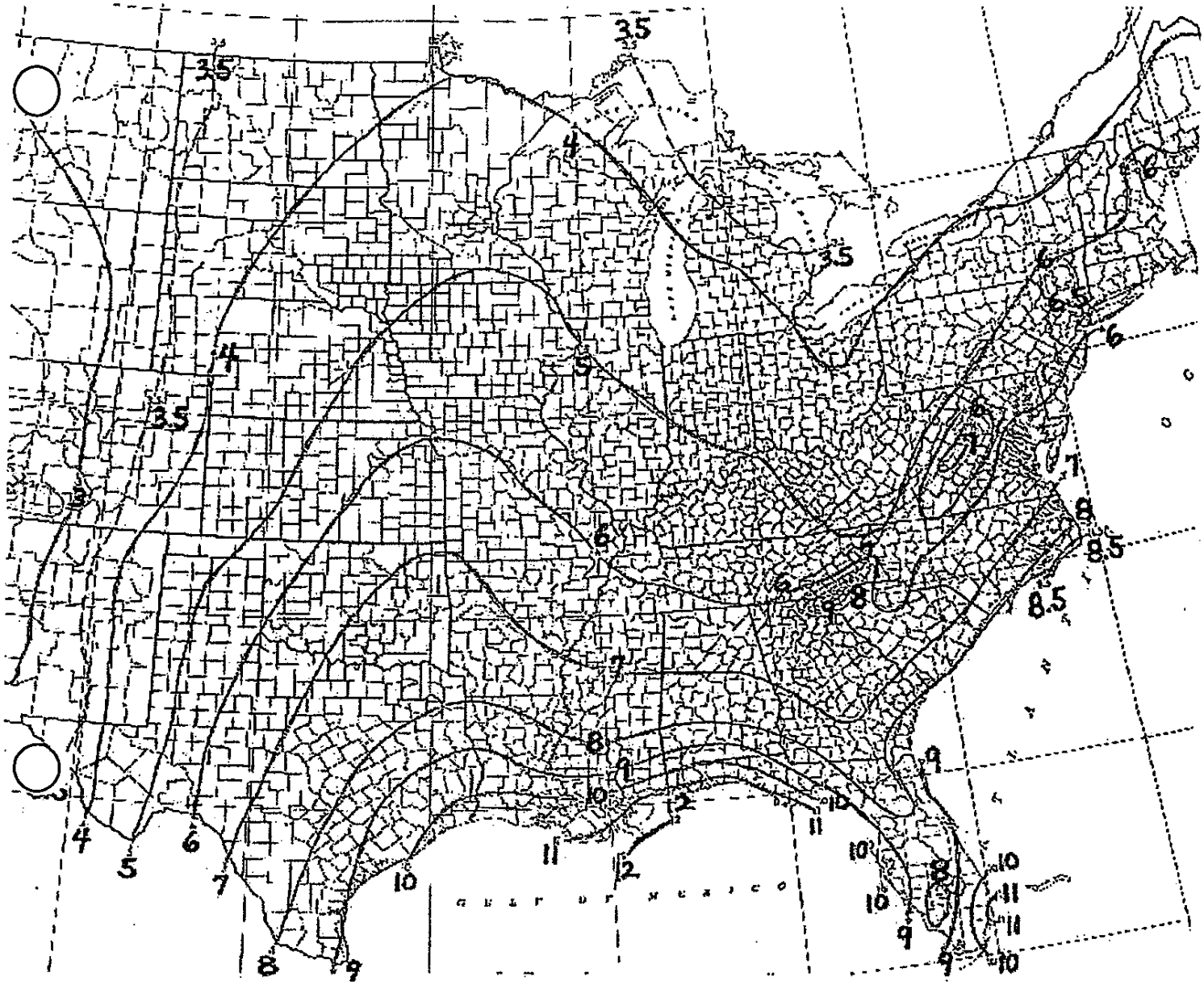
States

Source: U. S. Geological Survey

States

### Climate

Major Landfalling U.S. Hurricanes

Source: NOAA National Hurricane Center/ Tropical Prediction Center

# 25 Year 24 Hour Rainfall (Inches)