Chemtura

MAIN FILE

original to IOA
copy to Admin / B Johnson

Chemtura USA Corporation
P.O. Box 397
36191 Highway 30
Geismar, LA 70734

225-673-8871 tel

March 27, 2007

PER20070006

CERTIFIED MAIL
7006 0100 0006 5737 4143

Louisiana Department of Environmental Quality
Office of Environmental Services
P.O. Box 4313
Baton Rouge, LA 70821-4313

RE: Chemtura Corporation, AI #1433
Emission Reduction Credit Bank Application

Chemtura Corporation (Chemtura) is submitting the attached Emission Reduction Credit Bank Application. Emission reductions for NO_x and VOC were realized as part of the permanent shut down of the UBOB Unit in December 2006. Emission sources affected by the shut down are permitted in permit 1186-V1.

The emissions requested to be banked are based on actual emissions for the baseline period 2005 through 2006, which corresponds to the two-year period preceding the shut down of the UBOB Unit. It should be noted that equipment in the UBOB Unit is not subject to the NO_x RACT requirements of LAC 33:III.Chapter 22. NO_x is process generated and is not the result of combustion of fuel.

Please also find attached a check in the amount of $66.00 to cover the processing fee for the bank application. If you have any questions, or need additional information, please feel free to contact me at (225) 673-0783.

Yours truly,

Chemtura Corporation

Keith Gordon
Environmental Manager

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File #1.1.6.3

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DEQ - OES

Department of Environmental Quality
Office of Environmental Services
Air Permits Division
P.O. Box 4313
Baton Rouge, LA 70821-4313
(225) 219-3181

LOUISIANA
ERC BANK APPLICATION
NO_X ☒ OR VOC ☒

COMPANY: Chemtura Corporation — 1433 (Agency Interest No.)

FACILITY: Geismar Facility — 1186-V1 (Permit No.)

LOCATION: Geismar (City) — Ascension (Parish)

36191 Hwy. 30 (Physical Location)

CONTACT: Keith Gordon (Name) — Environmental Manager (Title) — 225.673.0783 (Phone)

MAILING ADDRESS: P.O. Box 397 (Street or P.O. Box) — Geismar (City) — LA (State) — 70734 (Zip Code)

see attached (Affected EIQ Source ID(s)) — 12/31/06 (Date of Actual Emissions Decrease) — 2005/2006 (Baseline Period)

	NO_X (Chapter 22 only)		NO_X	VOC
ALLOWABLES BEFORE:	(May 1 - September 30)	(October 1 - April 30)	20.98 (TPY)	89.06 (TPY)
AVG. ACTUAL EMISSIONS:	(May 1 - September 30)	(October 1 - April 30)	16.52 (TPY)	68.10 (TPY)
CHAPTER 22 LIMIT:	(May 1 - September 30)	**N/A** (October 1 - April 30)	**N/A** (TPY)	**N/A** (TPY)
ALLOWABLES AFTER[1]:	(May 1 - September 30)	(October 1 - April 30)	0.00 (TPY)	0.66 (TPY)
CREDITABLE CHANGE:	(May 1 - September 30)	(October 1 - April 30)	16.52 (TPY)	67.44 (TPY)

[1]Allowables should account for all applicable federal and state regulations, emissions limitations, compliance orders, consent decrees, etc. In the case of enforcement instruments, surplus reductions may be included as per he terms of the order or agreement. If no such terms are included, then the reductions are not surplus.

CREDIBILITY:
All applicable state and federal regulations that apply to the affected emission point(s) should be addressed in the cover letter to this document.

RESPONSIBLE OFFICIAL CERTIFICATION:
I hereby certify that the information contained in this ERC Bank Application and attached calculations is true and accurate to the best of my knowledge.

W. Keith Baggett (Name) — Director-Manufacturing (Title) — 225.673.8871 (Phone)

W Baggett (Signature) — 26 Mar 07 (Date)

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Chemtura Corporation
UBOB Unit Shutdown
Emission Reduction Credits Summary

VOC

Source ID	Source Description	Permit[1] (tpy)	Baseline[2] (tpy)	Future Rate[3] (tpy)	ERC[4] (tpy)
28	Fresh Toluene Storage Tank	0.33	0.30	0.00	0.30
33	UBOB Drying Still Feed Tank	1.78	1.16	0.00	1.16
74	DPA Storage Tank	0.01	0.01	0.00	0.01
77	Distilled UBOB Storage	0.09	0.06	0.00	0.06
124	UBOB Separator Vent Condenser	1.63	0.74	0.00	0.74
195	UBOB Vent Scrubber	10.96	8.24	0.00	8.24
198	Sumps	0.04	0.04	0.00	0.04
199	Dried UBOB Storage	0.32	0.22	0.00	0.22
204	Reducer Toluene Condenser Vent	1.83	1.38	0.00	1.38
206	UBOB Drying Condenser Vent	8.88	4.17	0.00	4.17
209	UBOB Tar Receiver	0.13	0.06	0.00	0.06
210	Distilled UBOB Storage	0.11	0.07	0.03	0.04
220	Nitrosator Vent Scrubber	9.45	6.61	0.00	6.61
221	Crude Methanol Vent Condenser and Scrubber	0.01	0.00	0.00	0.00
222	Reducer Toluene Condenser Vent	1.83	0.70	0.00	0.70
225	Intermediate NaTKB Storage Tank	0.43	0.37	0.00	0.37
234	Causticizer Vent	0.66	0.50	0.00	0.50
236	Causticizer Separator Vent	1.23	0.93	0.00	0.93
261	Distilled UBOB Storage	0.1	0.07	0.03	0.04
282	Toluene Seal Pot	0.07	0.04	0.00	0.04
413	Methanol Column Receiver	0.12	0.08	0.00	0.08
558	Toluene Storage Condenser Vent	4.12	3.13	0.57	2.56
6503	UBOB Drying Still and Toluene Recovery	0.02	0.01	0.00	0.01
6515	UBOB Fugitives	20.78	20.56	0.00	20.56
6516	Light Ends Feed Tank	1.33	0.07	0.00	0.07
6520	UBOB Hotoil Surge Tank	0.01	0.00	0.00	0.00
6522	UBOB Vacuum Still Vent Scrubber	8.55	6.57	0.00	6.57
6526	Distilled UBOB Storage	0.1	0.07	0.03	0.04
6527	UBOB South CWT	0.69	0.59	0.00	0.59
6530	Methanol Loading Operations	0.02	0.02	0.00	0.02
6531	Tank Truck and Railcar Loading Operations	0.04	0.03	0.00	0.03
6533	Catalyst Filter Dump	0.01	0.00	0.00	0.00
6595	Rearranger Scrubber	6.15	5.37	0.00	5.37
6599	UBOB Distillation Vacuum Pump	5.57	4.25	0.00	4.25
198a	Maintenance Sumps	1.661	1.66	0.00	1.66
				Total VOC ERCs	**67.44**

Notes

1) Permit limits are based on the current UBOB Permit No. 1186-V1.
2) The baseline emissions are average actual emissions from 2005 and 2006.
3) Future Rate is the potential emission rate the source will be operating at after the UBOB Unit shut down. Some sources will support the Flexzone Unit operation. All others are shutdown permanently.

Chemtura Corporation
UBOB Unit Shutdown
Emission Reduction Credits Summary

ERC VOC Speciation

Source ID	Source Description	Pollutant	wt%	ERC (tpy)
28	Fresh Toluene Storage Tank	**Total VOC**	**100.00%**	**0.30**
		Toluene	100.00%	0.30
33	UBOB Drying Still Feed Tank	**Total VOC**	**100.00%**	**1.16**
		Benzene	0.49%	0.01
		Chlorobenzene	0.05%	0.001
		Chloromethane	0.85%	0.01
		Methanol	27.03%	0.31
		Toluene	71.58%	0.83
74	DPA Storage Tank	**Total VOC**	**100.00%**	**0.01**
77	Distilled UBOB Storage	**Total VOC**	**100.00%**	**0.06**
		Aniline	1.30%	0.0008
		Benzene	0.17%	0.0001
		Chlorobenzene	0.20%	0.0001
		Chloromethane	0.03%	0.00002
		Methanol	0.40%	0.0002
		Toluene	93.76%	0.06
124	UBOB Separator Vent Condenser	**Total VOC**	**100.00%**	**0.74**
		Benzene	1.08%	0.01
		Chloromethane	9.90%	0.07
		Methanol	41.51%	0.31
		Toluene	47.50%	0.35
195	UBOB Vent Scrubber	**Total VOC**	**100.00%**	**8.24**
		Benzene	0.80%	0.07
		Chlorobenzene	0.03%	0.003
		Chloromethane	53.32%	4.39
		Methanol	2E-15	1.8E-14
		Toluene	45.85%	3.78
198	Sumps	**Total VOC**	**100.00%**	**0.04**
		Benzene	5E-05	2.0E-06
		Chlorobenzene	0.04%	0.00002
		Chloromethane	0.01%	2.2E-06
		Methanol	90.38%	0.04
		Phenol	1.05%	0.0004
		Toluene	8.51%	0.003
199	Dried UBOB Storage	**Total VOC**	**100.00%**	**0.22**
		Aniline	1.61%	0.004
		Benzene	0.09%	0.0002
		Chlorobenzene	0.23%	0.001
		Chloromethane	0.01%	0.00002
		Methanol	0.48%	0.001
		Toluene	97.41%	0.22

ERC VOC Speciation

Source ID	Source Description	Pollutant	wt%	ERC (tpy)
204	Reducer Toluene Condenser Vent	**Total VOC**	**100.00%**	**1.38**
		Aniline	0.0001%	1.7E-06
		Benzene	0.69%	0.01
		Chlorobenzene	0.05%	0.001
		Chloromethane	15.82%	0.22
		Methanol	6.65%	0.09
		Phenol	0.00001%	1.5E-07
		Toluene	76.78%	1.06
206	UBOB Drying Condenser Vent	**Total VOC**	**100.00%**	**4.17**
		Aniline	0.004%	0.0002
		Benzene	0.53%	0.02
		Chlorobenzene	0.03%	0.001
		Chloromethane	0.89%	0.04
		Methanol	30.64%	1.28
		Toluene	67.90%	2.83
209	UBOB Tar Receiver	**Total VOC**	**100.00%**	**0.06**
210	Distilled UBOB Storage	**Total VOC**	**100.00%**	**0.04**
		Aniline	1.27%	0.001
		Benzene	0.15%	0.0001
		Chlorobenzene	0.19%	0.0001
		Chloromethane	0.04%	0.00002
		Methanol	0.41%	0.0002
		Toluene	92.98%	0.04
220	Nitrosator Vent Scrubber	**Total VOC**	**100.00%**	**6.61**
		Benzene	0.71%	0.047
		Chlorobenzene	0.07%	0.005
		Chloromethane	24.44%	1.617
		Phenol	2E-08	1.1E-07
		Toluene	74.77%	4.945
221	Crude Methanol Vent Condenser and Scrubber	**Total VOC**	**100.00%**	**0.004**
		Aniline	1.03%	0.00004
		Benzene	0.44%	0.00002
		Chlorobenzene	2.9E-08	1.2E-10
		Chloromethane	0.76%	0.00003
		Methanol	74.49%	0.003
		Toluene	23.29%	0.001
222	Reducer Toluene Condenser Vent	**Total VOC**	**100.00%**	**0.70**
		Aniline	1.4E-06	9.6E-07
		Benzene	0.68%	0.005
		Chlorobenzene	0.05%	0.0003
		Chloromethane	14.94%	0.105
		Methanol	6.27%	0.044
		Phenol	1.2E-07	8.2E-08
		Toluene	78.05%	0.548

ERC VOC Speciation

Source ID	Source Description	Pollutant	wt%	ERC (tpy)
225	Intermediate NaTKB Storage Tank	**Total VOC**	**100.00%**	**0.37**
		Benzene	4.7E-06	1.8E-06
		Chlorobenzene	1.6E-06	5.9E-07
		Chloromethane	0.37%	0.001
		Methanol	99.92%	0.374
		Toluene	0.08%	0.0003
234	Causticizer Vent	**Total VOC**	**100.00%**	**0.50**
		Methanol	19.66%	0.099
		Toluene	80.34%	0.403
236	Causticizer Separator Vent	**Total VOC**	**100.00%**	**0.93**
		Methanol	19.66%	0.183
		Toluene	80.34%	0.747
261	Distilled UBOB Storage	**Total VOC**	**100.00%**	**0.04**
		Aniline	1.28%	0.0005
		Benzene	0.16%	0.0001
		Chlorobenzene	0.18%	0.0001
		Chloromethane	0.05%	0.00002
		Methanol	0.41%	0.0001
		Toluene	93.79%	0.034
282	Toluene Seal Pot	**Total VOC**	**100.00%**	**0.04**
		Toluene	100.00%	0.041
413	Methanol Column Receiver	**Total VOC**	**100.00%**	**0.08**
		Methanol	99.93%	0.079
		Toluene	0.07%	0.0001
558	Toluene Storage Condenser Vent	**Total VOC**	**100.00%**	**2.56**
		Aniline	9.9E-07	2.5E-06
		Benzene	0.38%	0.010
		Chlorobenzene	0.06%	0.002
		Chloromethane	20.97%	0.536
		Methanol	7.72%	0.197
		Phenol	7.9E-08	2.0E-07
		Toluene	70.86%	1.812
6503	UBOB Drying Still and Toluene Recovery	**Total VOC**	**100.00%**	**0.01**
		Aniline	2.5E-06	1.9E-08
		Benzene	1.19%	0.0001
		Chlorobenzene	0.02%	1.3E-06
		Chloromethane	6.29%	0.0005
		Methanol	29.52%	0.002
		Toluene	62.97%	0.005
6515	UBOB Fugitives	**Total VOC**	**100.00%**	**20.56**
		Aniline	0.36%	0.075
		Benzene	0.34%	0.069
		Chlorobenzene	0.21%	0.044
		Chloromethane	0.07%	0.015
		Methanol	22.62%	4.651
		Phenol	0.13%	0.026
		Phosgene	5.1E-08	1.1E-06
		Toluene	52.97%	10.891

ERC VOC Speciation

Source ID	Source Description	Pollutant	wt%	ERC (tpy)
6516	Light Ends Feed Tank	**Total VOC**	**100.00%**	**0.07**
		Benzene	0.60%	0.0004
		Chlorobenzene	0.11%	0.0001
		Chloromethane	21.82%	0.015
		Toluene	77.47%	0.055
6520	UBOB Hotoil Surge Tank	**Total VOC**	**100.00%**	**0.001**
6522	UBOB Vacuum Still Vent Scrubber	**Total VOC**	**100.00%**	**6.57**
		Benzene	1.23%	0.081
		Chlorobenzene	0.08%	0.005
		Toluene	98.69%	6.484
6526	Distilled UBOB Storage	**Total VOC**	**100.00%**	**0.04**
		Aniline	1.29%	0.0005
		Benzene	0.15%	0.0001
		Chlorobenzene	0.19%	0.0001
		Chloromethane	0.04%	0.00002
		Methanol	0.40%	0.0002
		Toluene	93.79%	0.035
6527	UBOB South CWT	**Total VOC**	**100.00%**	**0.59**
6530	Methanol Loading Operations	**Total VOC**	**100.00%**	**0.02**
6531	Tank Truck and Railcar Loading Operations	**Total VOC**	**100.00%**	**0.03**
		Aniline	0.22%	0.0001
		Toluene	0.10%	0.00003
6533	Catalyst Filter Dump	**Total VOC**	**100.00%**	**1.7E-07**
		Benzene	2.03%	3.4E-09
		Toluene	97.97%	1.6E-07
6595	Rearranger Scrubber	**Total VOC**	**100.00%**	**5.37**
		Chlorobenzene	0.002%	0.0001
		Chloromethane	27.05%	1.453
		Methanol	2.10%	0.113
		Toluene	70.84%	3.806
6599	UBOB Distillation Vacuum Pump	**Total VOC**	**100.00%**	**4.25**
		Aniline	0.17%	0.007
		Benzene	0.14%	0.006
		Chlorobenzene	0.16%	0.007
		Methanol	0.20%	0.009
		Toluene	99.28%	4.215
198a	Maintenance Sumps	**Total VOC**	**100.00%**	**1.66**
		Benzene	1.1E-08	1.9E-08
		Chlorobenzene	1.0E-07	1.7E-07
		Chloromethane	1.3E-08	2.1E-08
		Methanol	97.85%	1.625
		Phenol	2.4E-06	4.0E-06
		Toluene	2.15%	0.036

Chemtura Corporation
UBOB Unit Shutdown
Emission Reduction Credits Summary

NOx

Source ID	Source Description	Permit[1] (tpy)	Baseline[2] (tpy)	Future Rate[3] (tpy)	ERC[4] (tpy)
195	UBOB Vent Scrubber	1.2	0.91	0.00	0.91
220	Nitrosator Vent Scrubber	14.95	11.47	0.00	11.47
6522	UBOB Vacuum Still Vent Scrubber	0.71	0.54	0.00	0.54
6595	Rearranger Scrubber	4.09	3.60	0.00	3.60
				Total NOx ERCs	**16.52**

Notes

1) Permit limits are based on the current UBOB Permit No. 1186-V1.
2) The baseline emissions are average actual emissions from 2005 and 2006.
3) Future Rate is the potential emission rate the source will be operating at after the UBOB Unit shut down.

RECEIPT OF CHECK

Report Date/Time
3/28/2007 3:31:17 PM

AI NUMBER	1433
Company Name	Chemtura USA Corp
Site Name/Location	
Phone Number	
Date Received	3/27/2007
Date on Check	3/22/2007
Check Number	5027818
Amount Received	$66.00

RECEIPT GENERATED BY: Barbara Williamson

COMMENTS ERC for the Geismar Plant, emission reductions for Nox and VOC as part of the permanent shut down of the UBOB Unit in 12/06

Media: AIR QUALITY