

Amendments to permit

**AIR PERMIT BRIEFING SHEET
 PERMITS DIVISION
 LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**MERAUX REFINERY
 AGENCY INTEREST NO. 1238
 MURPHY OIL USA, INC.
 MERAUX, ST. BERNARD PARISH, LOUISIANA**

was not operating in 2003 thru 2005 due to a fire).The netting analysis is shown in the following table:

Pollutant	Actual Emissions	Post Emissions	Increase due to Projects	Contemporaneous Change *	Net Change
NO _x	63.84	104.56	40.72	- 424.64	- 383.92

* Contemporaneous changes include the changes due the update of the Phase I project and other changes since.

The net changes in emissions indicate that PSD review is not required.

Along with the “Clean Fuels” updated Phase I and the Phase II project MOU proposes to reconcile the following:

- 1) Update the tank storage based on operational flexibility;
- 2) Update fugitive emissions based on current component count and operations;
- 3) Reroute the Merox Off-Gas Knockout Pot stream from the No. 2 Alky Reboiler to the FCC Regenerator;
- 4) Reroute the hotwell vent gas stream from Vacuum Heaters East/West to the fuel gas system;
- 5) Incorporate a specific condition in order to have flexibility to add or remove fugitive emission piping and components;
- 6) Add a new asphaltene tank and route the emissions from this tank and the other two existing asphaltene tanks to an Asphaltene Tank Absorber;
- 7) Update all floating roof tank emissions to include the actual primary seals based on visual inspection;
- 8) Update the General Condition XVII and Insignificant Activities list to reflect the current operating conditions; and
- 9) Update the firing rate of heaters based on the vendor information and emissions based on stack test.
- 10) Incorporate the boiler permitted under Part 70 General Permit No. 3029-V0.
- 11) Update the tank inventory to achieve operational flexibility as shown in the table below TABLE A
- 12) Update CO emissions based on the updated U.S. EPA, AP-42 emissions factors

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Permitted emissions from the Meraux Refinery in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	217.57	206.40	- 11.17
SO ₂	1736.05	684.49	- 1051.56
NO _x	1424.41	1220.06	- 204.35
CO	1823.75	1960.70	+ 136.95**
VOC	1337.01	600.21	- 736.80

** The increase is due to the updated emissions factors, See Item 12, Page 12

IV. Type of Review

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, Louisiana Air Quality Regulations, NSPS, and NESHAP. Prevention of Significant Deterioration does not apply. The facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. The Air Toxic Compliance plan was approved on March 13, 1996, the LDAR provisions were approved on October 11, 1996 and the SOCMH HON wastewater provisions were approved on May 21, 1996. The facility has submitted a Part 1 application as required by the Clean Air Act Amendments 112(j).

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.