



State of Ohio Environmental Protection Agency

**Northeast District Office**

2110 East Aurora Rd.  
Twinsburg, Ohio 44087

TELE: (330) 963-1200 FAX: (330) 487-0769  
www.epa.state.oh.us

Ted Strickland, Governor  
Lee Fisher, Lieutenant Governor  
Chris Korleski, Director

April 5, 2010

RE: MARATHON PETROLEUM COMPANY LLC  
3IG00000\*KD  
STARK COUNTY

Mr. Chuck Kramek  
HES Professional  
Marathon Petroleum Company LLC  
P.O. Box 8170  
Canton, Ohio 44711

Dear Mr. Kramek:

On March 18, 2010 this writer conducted an inspection of your facility for the purpose of gathering information necessary to renew the above referenced NPDES Permit. The permit will expire on July 31, 2010. You accompanied me during the inspection. Below you will find a summary of the inspection:

**General**

Marathon Petroleum Company LLC, located at 2408 Gambinus Avenue SW, Canton, is a petroleum refinery capable of processing approximately 84,000 barrel of crude oil per day. Refined products consist of gasoline, diesel fuel, kerosene, propane, sulfur, asphalt, roofing flux, home heating oil, and #6 industrial fuel oil. The City of Canton provides sanitary sewer services and potable water. The current NPDES permit authorizes the discharge of treated process wastewater effluent from outfall 3IG00000001 and uncontaminated stormwater from outfall 3IG00000002. Federal Guideline 40 cfr 419, Petroleum Refining Point Source Category applies to this facility.

**Wastewaters generated**

Outfall 001

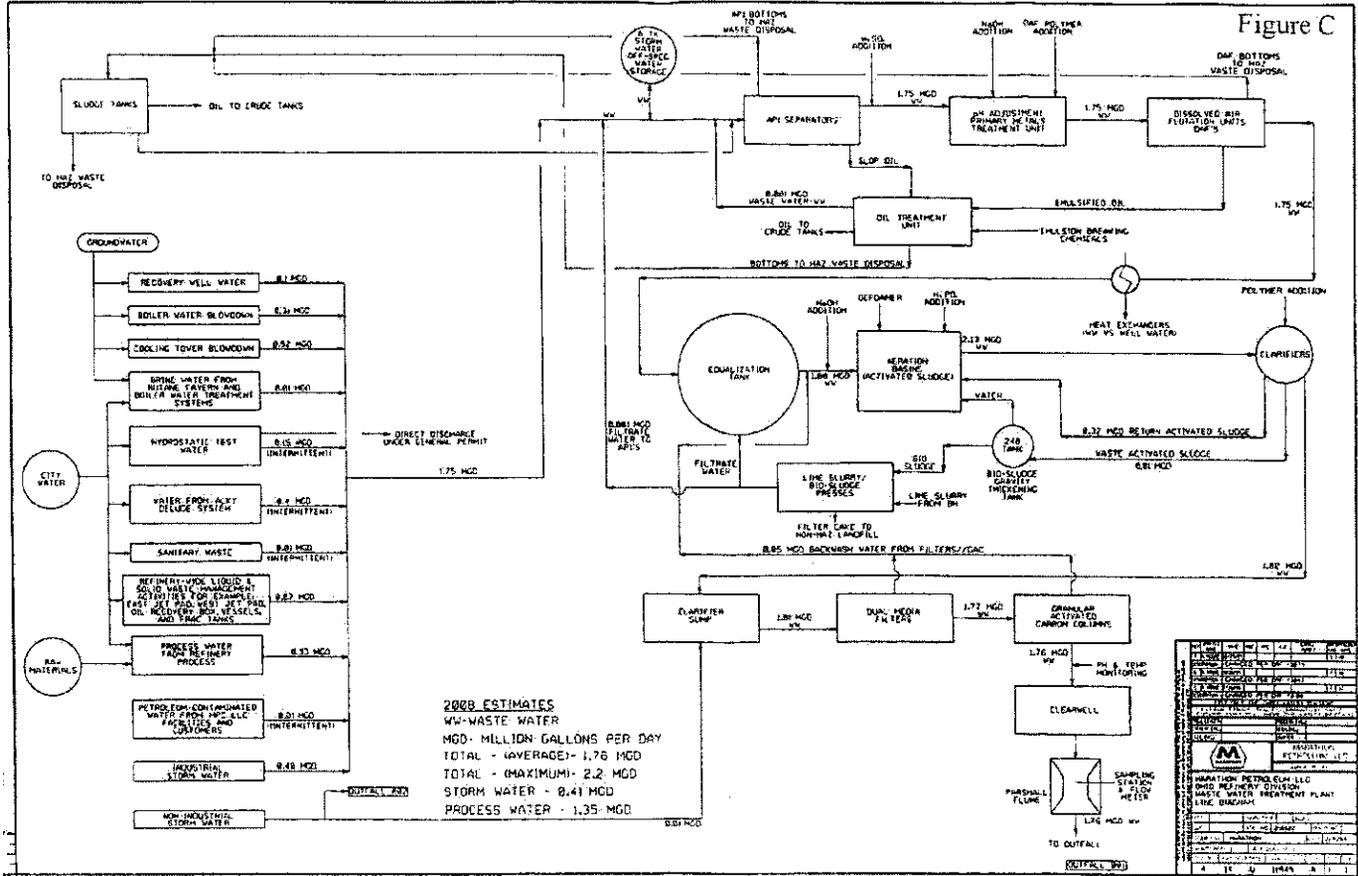
- Recovery well water
- Boiler blowdown
- Brine water from cavern and treatment
- Hydrostatic testing water
- Alky deluge water
- Sanitary wastewater
- Liquid and Solid Waste Management Activity
- Process Water
- Petroleum Contaminated Water
- Industrial Stormwater
- Non Industrial Stormwater

Outfall 002

- Non Industrial Stormwater

**Treatment Provided**

A schematic of the treatment process was taken from your renewal application and is presented below:



**Inspection notes**

- 1) pH and Temperature are done on-site. All other analyses are performed at your Kentucky facility.
- 2) Grab samples are taken at various points of the treatment facility for performance parameters such as Ammonia, Phenols, Sulfides, pH and Phosphate.
- 3) Flow weighted composite sampling is performed. At the time of the inspection the sampler was properly chilled at 3.6 degree Celsius. The flow meter is calibrated on a weekly basis.
- 4) Sanitary wastewater from the plant is normally sent to the City of Canton sewers. If the LEL on the explosivity meter is exceeded, the flow can be shut off and sanitary wastewater treated at your facility.

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### Upcoming NPDES changes

- 1) E Coli will replace fecal coliform in the NPDES permit. A compliance schedule will be inserted for time to make this conversion.
- 2) A sludge station will be inserted to track the dry tons of sludge hauled out to landfill.
- 3) Parts IV, V, and VI will be inserted into the permit. Note that this only pertains to outfall 002 as all stormwater passing through outfall 001 undergoes appropriate treatment.
- 4) The schedule extension request for compliance with the TDS limit will be forwarded to our Central Office for their concurrence. We will let you know their response when it is received.

A review of our compliance tracking system for the time period of December 2006 through March 2010 indicated the following violations of your NPDES Permit:

### Numeric Violations

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
December 2009	001	pH, Maximum	1D Conc	9.0	9.1	12/17/2009

### Frequency Violations

Reporting Period	Station	Parameter	Sample Frequency	Expected	Reported	Violation Date
January 2007	001	Chlorine, Total Residu	1/Quarter	1	0	01/01/2007
January 2007	001	Chromium, Total Recove	2/Year	1	0	01/01/2007
January 2007	001	Acute Toxicity, Pimeph	1/Quarter	1	0	01/01/2007
January 2007	001	Chronic Toxicity, Pime	1/Quarter	1	0	01/01/2007
January 2007	001	Selenium, Total Recove	1/Quarter	1	0	01/01/2007
January 2007	001	Sulfide, Total	1/Quarter	1	0	01/01/2007
January 2007	001	Fluoride, Total (F)	1/Quarter	1	0	01/01/2007
January 2007	001	Chromium, Hexavalent (	2/Year	1	0	01/01/2007
January 2007	001	21 Day Daphnia Magna,	1/Quarter	1	0	01/01/2007
January 2007	001	48 Hour Daphnia Magna,	1/Quarter	1	0	01/01/2007

If you have already responded to the above or if there are any inaccuracies please respond in writing as soon as possible. If you should have any questions concerning any of the above, feel free to contact this writer at (330) 963-1136.

Sincerely,



Philip P. Rhodes, P.E.  
Environmental Specialist II  
Division of Surface Water

PPR/mt

File: Industrial Permit Compliance