

Incident Reporter

Received By: Chris Delmar
Received Date: JUL-11-05 08:00:00
Dispatch #: s05-2323
Reported By: Mike Page, Agency Interest Self Rept
Phone Desc: 504-465-7342
Reporter Title:
Org Desc: Motiva Enterprises
Address: 15536 River Rd

Municipality: Norco
State Code: LA
Zip Code: 70079
Comments: The permittee bypassed the SWIB in order to prevent flooding of the refinery.

Incident Description

Incident Type: Release/Spill, Facility Discharge/Release
Incident Date: JUL-08-05 15:40:00
Parish: St. Charles
Municipality: Norco
Location: 15536 River Rd - Norco
Lat/Lon:

Basin/Segment:
Substance:
Media Impacted: Water
Incident Desc: s05-2323 Excessive rainfall led to a release of stormwater. CMD

Incident Source

Source Name: Motiva Enterprises LLC - Norco Refinery
Address: 15536 River Rd
(a portion of)

Municipality: Norco
State: LA
Phone:
Parish: St. Charles
AI#: 1406

Related Permits: 0

Investigation Findings: The facility experienced heavy rainfall events associated with Tropical storm Cindy on 07/05/05. Subsequent rainfall on 07/08/05 forced the permittee to open the outfall 006 to prevent flooding of the refinery. Outfall 006 is authorized under the LPDES Permit to discharge "low contamination potential stormwater runoff". Outfall 006 discharges to the Engineer's Canal and then to Lake Pontchartrain. The outfall was monitored as required by the LPDES # LA0003522. The discharge was stopped on 07/09/05.

Incident Status

Lead Investigator: Zoila Osteicoechea
Region: Southeast
Incident Status: Closed
As Of: 07/19/2005

Zoila Osteicoechea

From: Boyd, Oliver R MOTIVA [oliver.boyd@motivaent.com]
Sent: Tuesday, July 19, 2005 2:47 PM
To: Zoila Osteicoechea
Subject: Bypass letter

Zoila - the text of the letter is below, please let me know if this doesn't work

July 13, 2005

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Louisiana Department of Environmental Quality
Emergency Response and Enforcement
ATTENTION: SURVEILLANCE DIVISION - S.P.O.C.
P. O. Box 4312
Baton Rouge, LA 70821-4312

**SUBJECT: REPORT OF UNANTICIPATED BYPASS DUE TO UPSET
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, LOUISIANA
LPDES PERMIT NO. LA0003522
LDEQ REPORT NO. 05-04587
AGENCY INTEREST NO. 1406**

As required by LAC 33:IX.2355.N.3 and Part III of the subject permit, Motiva Enterprises LLC is providing a written follow-up report of an unanticipated bypass of a wastewater treatment facility that occurred on July 8, 2005. The incident was due to an upset condition as defined by LAC 33:IX.2355.N.1. The incident began at 1540 on July 8, 2005 and on-line notification was made of the event at 1743 on July 8, 2005. The details of the incident are as follows:

On July 5, 2005, the Norco area experienced extremely heavy rainfall associated with Tropical Storm Cindy. The site was able to contain all the rainfall associated with this event and route it to the Refinery Wastewater Treatment System (RWTS) for treatment and subsequent discharge through LPDES Outfall 002. During normal conditions, Motiva maintains the Stormwater Impoundment Basin (SWIB) at a 3 to 5 foot level to provide surge capacity for storm events. However, the Norco area continued to receive rainfall on the succeeding days and was therefore unable to reduce the levels in the wastewater treatment system sufficiently to provide surge capacity for additional rainfall events.

On Friday, July 8, 2005, the Norco area received yet another heavy rainfall event. Due to the rains received on the preceding days, the SWIB reached its maximum capacity level of 10 feet and Motiva was forced to open LPDES Outfall 006 to prevent flooding of the refinery and damage to the SWIB from overtopping of the SWIB retaining levee. Outfall 006 serves as the bypass outfall for the RWTS and is used to prevent/reduce flooding of the refinery during extreme rainfall events. Outfall 006 discharges to Engineer's Canal and then to Lake Pontchartrain via a flood control structure through the St. Charles Parish Hurricane Protection Levee.

As stated above, Motiva's normal operating procedures call for the initiation of bypass operations when no capacity remains in the RWTS and a bypass is the only alternative to prevent flooding of the facility. All required sample collection and analysis required by LPDES Permit LA0003522 were conducted in conjunction with the opening of Outfall 006. Bypass operations were stopped at 0315 on July 9, 2005.

7/19/2005

This incident was not preventable and no exceedences of the permit limits are expected as a result of this incident. The facility was being properly operated and maintained at the time of the incident and all required notifications were made. If you have any questions or require any additional assistance regarding this matter, please contact Mr. Oliver Boyd at (504) 465-6315.

Sincerely,

Soy Tir
Manager - Environmental

ORB/ mae

cc: CERTIFIED MAIL - RETURN RECEIPT REQUESTED
Louisiana Department of Environmental Quality
Southeast Regional Office
201 Evans Road, Bldg. 4, Suite 420
New Orleans LA 70123-5320

Oliver Boyd
Water Programs Coordinator
Motiva Enterprises LLC - Norco Refining
Phone: (504) 465-6315
Cell: (225) 936-6607
Fax: (504) 465-6360



State of Louisiana

Department of Environmental Quality



mailed PCU
9/12/02

M.J. "MIKE" FOSTER, JR.
GOVERNOR

September 12, 2002

J. DALE GIVENS
SECRETARY

CERTIFIED MAIL 7001 0320 0003 0930 7632 -RETURN RECEIPT REQUEST

File No.: LA0003522
AI No.: 1406 Activity No.: PER19990009

Mr. Oliver Boyd, Water Programs Coordinator
Motiva Enterprises, LLC
Norco Refinery
Post Office Box 10
Norco, Louisiana 70079

RE: Louisiana Pollutant Discharge Elimination System (LPDES) permit to discharge process wastewater and process area stormwater runoff, ballast water, treated landfill leachate, scrubber wastewater, utility wastewater, sanitary wastewater, and non-process area stormwater runoff to the Mississippi River (Outfall 002) and Lake Pontchartrain via Engineers Canal (Outfall 006) from an existing petroleum refinery located at 15536 River Road in Norco, St. Charles Parish.

Dear Mr. Boyd:

This Office has received and evaluated comments submitted by Motiva Enterprises, LLC in response to the public notice published in the Office of Environmental Services Public Notice Mailing List on June 17, 2002, and the ST. CHARLES HERALD-GUIDE of Boutte on June 19, 2002. The Office's response to comments submitted by Motiva Enterprises, LLC are summarized below. No comments have been received from the general public.

Issue 1:

The subject line of the cover letter references a Outfall 007. There is no Outfall 007 in the draft or current facility permit.

Response 1:

The Office of Environmental Services concurs with the permittee's request and the appropriate correction has been made.

Issue 2:

In the public notice the last paragraph incorrectly identifies the site as "...Motiva Energy Production, LLC...", it should be corrected to read "...Motiva Enterprises, LLC..."

Response 2:

This Office acknowledges and concurs with the above mentioned changes recommended for the public notice. However, that document won't be changed, but this document will serve to update the record.

Issue 3:

In Part I, page 2 of 4, there is an apparent typographical error in the Discharge Limitations for Phenolic Compounds for both the Monthly Average and Daily Maximum limits. The Monthly

OFFICE OF ENVIRONMENTAL SERVICES • P.O. BOX 82135 • BATON ROUGE, LOUISIANA 70884-2135



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EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

During the period beginning the effective date and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 006, the intermittent discharge of low contamination potential stormwater runoff (post first-flush).

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	STORET Code	Discharge Limitations				Monitoring Requirements	
		(lbs/day, UNLESS STATED)		(mg/L, UNLESS STATED)		Measurement Frequency>(*1)	Sample Type
		Monthly Average	Daily Maximum	Monthly Average	Daily Maximum		
Flow-MGD	50050	Report	Report	---	---	1/quarter	Estimate
TOC	00680	---	---	---	50	1/quarter	Grab
Oil and Grease	03582	---	---	---	15	1/quarter	Grab
pH Minimum/Maximum Values (Standard Units)	00400	---	---	6.0 (*2) (Min)	9.0 (*2) (Max)	1/quarter	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 006, at the point of discharge of the low contamination potential stormwater runoff (post first-flush) from the bypass line off of the SWIB forebay pumps to the west ditch prior to combining with the waters of Lake Pontchartrain via Engineers Canal.

FOOTNOTE(S):

(*1) When discharging.

(*2) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.