

SPOC  
1406

Jeffrey Leonick/SERO  
505-2033  
T79889

**MOTIVA**  
ENTERPRISES LLC

June 20, 2005

**RECEIVED**

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Louisiana Department of Environmental Quality  
P. O. Box 4312  
Baton Rouge, LA 70821-4312  
ATTENTION: SURVEILLANCE DIVISION – SPOC

JUN 23 2005

OFFICE OF  
ENVIRONMENTAL COMPLIANCE  
ENFORCEMENT DIVISION

**SUBJECT: UNANTICIPATED BYPASS REPORT  
MOTIVA ENTERPRISES LLC, NORCO REFINERY  
NORCO, LOUISIANA  
LPDES PERMIT NO. LA0003522  
AGENCY INTEREST NO. 1406**

**RECEIVED**

JUN 23 2005

DEQ  
Single Point of Contact

As required by LAC 33:IX.2701.M.3.b and Part III of the subject permit, Motiva Enterprises LLC is providing a written follow-up report of an unanticipated bypass of a portion wastewater treatment facility that occurred on June 16, 2005. The details of the incident are as follows:

On June 16, 2005, the sanitary sewer line serving the Central Refining Control Room became plugged which resulted in the overflow of the sewer cleanout hub. This sewage flowed into a nearby stormwater drain. The sanitary sewage was routed to the refinery effluent treatment system and subsequently discharged through LPDES Outfall 002 for the above referenced permit. The normal routing for the sanitary effluent is through a small sanitary sewage treatment plant prior to mixing with the main refinery effluent. The released sanitary sewage did not go through this plant. Therefore, we are reporting a bypass of a portion of the treatment process for the released material.

Upon discovery of the overflow, maintenance personnel were immediately notified. The line was unplugged and flow returned to normal. No exceedences of the permit limits are expected as a result of this incident. In addition, please be aware that, while a portion of the treatment system was bypassed, the material did receive treatment prior to discharge.

The material was routed directly to the refinery wastewater treatment system and received full treatment through this system prior to discharge. The refinery wastewater treatment system consists of the "SWIB" and the "Aeration Basin." The SWIB is a 23-acre impoundment where primary settlement and aeration occurs. There is a 7.5-hp floating brush aerator installed in each Inlet Bay to provide preliminary aeration and three 5-hp floating brush aerators located in the baffled section of the Northern SWIB. The Aeration Basin is a 12-acre impoundment where aggressive aeration occurs. The southern portion of the Aeration Basin contains ten 20-hp high-speed aerators that provide 200-hp of aeration capacity to facilitate biological treatment. The northern portion of the Aeration Basin contains two 10-hp high-speed aerators and one 5-hp floating brush aerator to further facilitate biological treatment. The plant's wastewater ponds therefore provide simple but highly effective removal and inactivation of low-level contaminants such as would have occurred as a result of this incident. The treatment mechanisms include biological (anaerobic, aerobic and facultative), physical (sedimentation, adsorption, filtration, hydraulic detention and sludge retention), environmental stress (changes in pH, oxygen

concentration, nutrient depletion, mixing and predation) and photochemical disinfection (sunlight).

If you have any questions or require any additional assistance, please contact Ms. Adrian Ford at (504) 465-6001.

Sincerely,



Soy T. Tir  
Manager - Environmental

AGF/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

**MOTIVA**

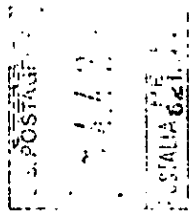
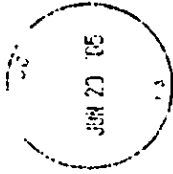
ENTERPRISES LLC

15536 River Road P.O. Box 10 Norco, LA 70079

**CERTIFIED MAIL**



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Emergency Response and Enforcement  
P. O. Box 4312  
Baton Rouge, LA 70821-4312

ATTN: SURVEILLANCE DIVISION -S.P.O.C.  
"UNAUTHORIZED DISCHARGE NOTIFICATION REPORT"

