

1406



December 16, 2005

Robert Braud / BLRC
505-4628
TS 4579

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

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

RECEIVED

DEC 19 2005

DEQ
Single Point of Contact

**SUBJECT: UNAUTHORIZED DISCHARGE NOTIFICATION REPORT
MOTIVA ENTERPRISES LLC, NORCO REFINERY
NORCO, LOUISIANA
LPDES PERMIT NO. LA0003522
LDEQ REPORT NUMBER M83S 2664
AGENCY INTEREST NO. 1406**

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 to our verbal notification of 1509 hours on December 14, 2005 of an unauthorized discharge resulting from the unanticipated bypass of a portion of the Norco Refinery wastewater treatment facility. The details of the incident are as follows:

At 1035 hours on December 14, 2005, it was discovered that a junction box in the main sanitary sewer line had overflowed. The over-flow material was discharged into the refinery wastewater treatment system. The material was 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 an unauthorized discharge as a result of the bypass of a portion of the treatment process for the released material.

The cause of the overflow was traced to a blockage in the sewer line. Upon discovery of the overflow, operations personnel immediately called out a vacuum truck to capture the material from the junction box and prevent additional overflow. Motiva maintenance personnel are currently working to remove the blockage and the work is expected to be completed on December 15, 2005. At all times prior to the completion of the maintenance activities, vacuum trucks are being staged at the junction box on a 24-hour per day basis to prevent additional releases. 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 Mr. Oliver Boyd at (504) 465-6315.

Sincerely,



Soy Tir
Environmental Manager

ORB/mae

cc: CERTIFIED MAIL - RETURN RECEIPT REQUESTED
Louisiana Department of Environmental Quality
Southeast Regional Office
645 N. Lotus Dr.
Suite C
Mandeville, LA 70471

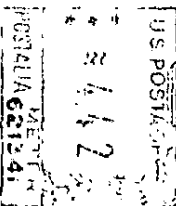
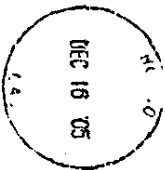
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Motiva Enterprises LLC
15536 River Road
Norco, LA 70079

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

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