

BOBBY JINDAL
GOVERNOR



PEGGY M. HATCH
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES
January 8, 2016

AI No.: 198735
Activity No.: PER20150001

Mr. Brian A. Mistich, P.E.
Dammon Engineering
554 Old Spanish Trail
Slidell, Louisiana 70458

Subject: LDEQ Response to Request for Preliminary Determination – Mitchell Brothers
North

Dear Mr. Mistich:

The Louisiana Department of Environmental Quality (LDEQ or Department) received your Request for Preliminary Determination (RPD) on October 9, 2015 regarding issuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit. The RPD is for an existing facility located at 61401 Highway 11 in Slidell, St. Tammany Parish, Louisiana.

Based on the information provided in your request, two new sanitary wastewater treatment systems are planned to serve the existing facility in Slidell. An anticipated maximum discharge of 4,000 gallons per day of treated sanitary wastewater into local drainage, thence to Bayou Vincent, thence to Bayou Bonfouca and Lake Pontchartrain is expected from these new treatment facilities.

The facility proposes to discharge to Subsegment 040907 of the Lake Pontchartrain Basin. Subsegment 040907, Bayou Bonfouca – from headwaters to LA 433, is listed in the 2014 Final Integrated Report as not meeting standards for chloride, copper, sulfates, TDS and Benzo(a)pyrene. In accordance with LAC 33:IX.2317.A.9, LPDES permits may not be issued to a new source or new discharger in a subsegment which does not meet applicable water quality standards if the discharge has the reasonable potential to cause or contribute to the violation of water quality standards. A Total Maximum Daily Load (TMDL) or other management strategy is to be developed for this watershed.

Additionally, Subsegment 040907 is listed in the 2014 Final Integrated Report as not meeting standards for dissolved oxygen, for which a TMDL has been developed. Although this facility was not considered in the TMDL model(s), a margin of safety was included in the TMDL(s) to address future point source discharges. Please note, the Bayou Bonfouca Dissolved Oxygen TMDL requires new allowable discharges to meet limitations of 5 mg/L BOD₅, 2 mg/L Ammonia-Nitrogen, and 5 mg/L dissolved oxygen.

Due to the potential permitting complexities related to this facility, the Department is recommending that you explore alternative options such as: incorporation into an existing

Mitchell Brothers and Sons Amusement
RE: AI No.:198735
Page 2

LPDES permitted sewerage system, effluent reduction, alternative treatment methods, effluent reclamation or effluent elimination. Upon exhausting all possible alternatives, if the project and treatment system are deemed necessary, submit a notice of intent (form WPS-G) to discharge treated sanitary wastewater to the Department. The treatment systems should be designed to meet discharge limitations of 5 mg/L BOD₅, 2 mg/L Ammonia-Nitrogen, and 5 mg/L dissolved oxygen.

Upon receipt of a completed notice of intent (NOI) reflecting the information provided in your Request for Preliminary Determination and this response, this Office will review the NOI for technical completeness and render a decision. In addition, LDEQ requests a response to the following items to further assist in the processing of your permit application:

1. Has the applicant considered tying into an existing sewage treatment plant? If another facility is not available, have you contacted the Parish regarding regionalization plans of multiple individual discharges?
2. Has the applicant considered a "no discharge" system, such as discharging to constructed residential lake designed to maintain a 25 year, 24 hour rain event?
3. If a "no discharge" system is not appropriate, has the applicant considered an effluent reduction system? If the answer to #3 is no, please contact the Department of Health and Hospitals (DHH) and explore the options available for effluent reduction systems.
4. Does the DHH inspector require effluent reduction when the system is designed/approved?

Any input or information received by the Department will be taken into account during permit preparation. Please be aware that any changes to the facility design or discharge location may affect the issuance of the LPDES permit. The proposed wastewater treatment plant should proceed with caution until receipt of a final LPDES permit.

The application form, WPS-G, is required to be submitted for the proposed facility. A copy of the form can be found on the LDEQ public website at www.deq.louisiana.gov. The application should be submitted as expeditiously as possible.

If you have any questions or require any additional information regarding this matter please contact Melanie Connor, Water Permits Division at (225) 219-3594.

Sincerely,



Scott Guiliams, Administrator
Water Permits Division

c: IO-W

Mitchell Brothers and Sons Amusement
RE: AI No.:198735
Page 3

Mitchell Brothers and Sons Amusements
61401 Highway 11
Slidell, Louisiana 70458

cc: Melanie Connor
Kimberly Corts
Water Permits Division

Southeast Regional Office
Office of Environmental Compliance

Steven Davis
Steven.davis@la.gov

Judy Culpepper
Judith.Culpepper@la.gov