To: Schwab, Kay[Schwab.Kay@epa.gov]
Cc: Chen, Isaac[Chen.Isaac@epa.gov]; Kaspar, Paul[kaspar.paul@epa.gov]; Jenniffer L. Sheppard[Jenniffer.Sheppard@LA.GOV]; Michelle Bickham[Michelle.Bickham@LA.GOV]
From: Sonja Loyd
Sent: Tue 5/13/2014 8:39:09 PM
Subject: FW: LOOP LLC, Deepwater Port Complex (PER20130001, LA0049492, AI 4634)
LAG260000.pdf

Hello Kay,

I'm reviewing the information related to the biomonitoring requirements for Outfall 004 provided as an attachment to your email dated April 14, 2014. Based on the comments, EPA requested that the General Permit for Oil & Gas Exploration, Development, and Production Facilities located within the Terretorial Seas (see pages 9 – 11 and 31) be used as a basis for establishing a critical dilution for this outfall. EPA further requested that LDEQ select a representative critical dilution based on the discharge flow rate at a single diffuser using the pipe size and sea floor depth. According to the facility, the Outfall 004 Diffuser information is as follows:

1. The discharges from the outfall named above flow through a horizontal, multi-port diffuser.
2. The discharge pipe diameter is 30 inches.
3. The multi-port diffuser is located on the sea floor.
4. The discharge flow rate ranges from 70,000 – 200,000 bbls/day.

After applying the above information, some of the parameters fall outside of the scope of the critical dilution table in the general permit. Using the information above would result in a critical dilution of 24.33%. This critical dilution is much higher than the critical dilutions calculated (using the CORMIX model) in the two permits for the U.S. Department of Energy (Big Hill Oil Storage – TX0092827) and (Bryan Mound Oil Storage – TX0074012). The critical dilution for Big Hill Oil Storage is 4.8%. The critical dilution for Bryan Mound Oil Storage is 6.1%. Please let me know if Taimur can run a CORMIX model for this facility in order to calculate an appropriate critical dilution for this facility.

Sonja

From: Gardner-Leblanc, Cynthia [mailto:cgleblanc@loopllc.com]
Sent: Monday, May 12, 2014 2:43 PM
To: Sonja Loyd
Cc: Gardner-Leblanc, Cynthia
Subject: RE: LOOP LLC, Deepwater Port Complex (PER20130001, LA0049492, AI 4634)

Sonja,

The information below is correct.

Cindy

Cynthia A. Gardner-LeBlanc

Senior Regulatory Representative

LOOP LLC

(985) 276-6299

Fax (985) 276--6290

cgleblanc@loopllc.com

From: Sonja Loyd [mailto:Sonja.Loyd@LA.GOV]
Sent: Monday, May 12, 2014 2:05 PM
To: Gardner-Leblanc, Cynthia
Subject: LOOP LLC, Deepwater Port Complex (PER20130001, LA0049492, AI 4634)

Hello Cindy,

For Outfall 004, please confirm if the information provided below is correct:

1. The discharges from the outfall named above flow through a horizontal, multi-port diffuser.
2. The discharge pipe diameter is 30 inches.
3. The multi-port diffuser is located on the sea floor.

Sonja