

Siniza

Monzeglio, Hope, NMENV

From: Chavez, Carl J, EMNRD
Sent: Tuesday, October 10, 2006 4:57 PM
To: Jim Lieb; Monzeglio, Hope, NMENV
Cc: Ed Riege; Ed Rios; Steve Morris
Subject: RE: Weekly Update
Attachments: Chavez, Carl J, EMNRD.vcf

Jim:

Interesting phenol results and I'm glad the units are ug/L units. Based on your 4 factors (9/15/06 e-mail) that could explain the phenol results below, I have some comments for you to consider. The factors you mentioned were:

- 1) Sampling snapshot scenario: perhaps Giant can explain exactly how a sample is collected from the influent of AL1 and effluent of AL2? I can see how a sampler could sample a certain part of a vast water stream with variable results as opposed to sampling directly from the end of pipe. Is it probably based on the sampling protocol that variability is a given the way you are sampling?
- 2) Degradation of organics in process water into phenol type compounds: I would consider this less likely, since phenols are known to degrade aerobically and would be less likely to be present at higher concentration at the effluent end.
- 3) Entrained phenol in the lagoon mud entering water: perhaps a soil sample could be collected to examine the lagoon mud at AL2 to see if this may support this theory?
- 4) Sampler inadvertently mixed up samples: don't think this occurred do you?

Date	AL-1 (ug/L)	AL-2 (ug/L)	%Diff	COD (mg/L)	BOD (mg/L)
08/17/06	9.4	110	1070	976	525
09/07/06	21	140	567	791	241

Thank you.

Carl J. Chavez, CHMM
 New Mexico Energy, Minerals & Natural Resources Dept.
 Oil Conservation Division, Environmental Bureau
 1220 South St. Francis Dr., Santa Fe, New Mexico 87505
 Office: (505) 476-3491
 Fax: (505) 476-3462
 E-mail: CarlJ.Chavez@state.nm.us
 Website: <http://www.emnrd.state.nm.us/ocd/>
 (Pollution Prevention Guidance is under "Publications")

From: Jim Lieb [mailto:jlieb@giant.com]
Sent: Friday, September 29, 2006 1:01 PM
To: Chavez, Carl J, EMNRD; Monzeglio, Hope, NMENV
Cc: Ed Riege; Ed Rios; Steve Morris
Subject: Weekly Update

Carl, Hope:

Work is progressing on the flowmeters project. My RFE was approved by management and I cut purchase orders today. The contractor can begin excavations and concrete work for the concrete flume boxes early next week.

One problem I found out today when I placed an order is that the flumes are special order and may take 4-6 weeks delivery

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because each flume needs to be built. I assumed they had these in stock as they seem to be available in standardized sizes and my consultants did not warn me. I may be able to get some more readily from another source.

We got back test results on Phenol for September sample. Once again the effluent concentration is greater than the influent. I attached the results to this email. BOD and COD results are included in the report also.

I contacted Mark Bundren at NM Fish and Game. He said he will check with other NMF&G staff for ideas. He seemed initially favorable about the sonic bird repeller.

One concern we have and that may have not been considered previously is that the boiler plant water is relied upon by our birds for clean drinking water. This water flows into Evaporation Pond #2 as we showed you during your last visit. It is crystal clear. If we preclude the birds from this water supply they will suffer which none of us want to happen. The boiler plant water is the only reliable source of clean water they have around here. We will show this to Mark Bundren when he comes to see our ponds.

Potable Well #1 closure work is set for Tuesday next week with Rogers Company. I notified the District 1 Supervisor, Jes Ward about the date.

Trihydro was here last week for a QQQ review of our facility. They will prepare a process sewer map for overlay on the existing storm sewer map we provided in the dye trace report. They will provide a report on the QQQ review which we will provide you when finished. We anticipate providing responses to your questions on the Dye Trace Report by October 16th as agreed.

Any questions, please call or email.

Regards,

Jim Lieb
Environmental Engineer
Giant Industries, Inc.
Ciniza Refinery
I-40, Exit 39
Jamestown, NM 87347
(505) 722-0227
fax (505) 722-0210
jl Lieb@giant.com