

**Monzeglio, Hope, NMENV**

**From:** Jim Lieb [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  
**Attachments:** September06.pdf

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 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 16<sup>th</sup> 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  
jlieb@giant.com

10/2/2006



COVER LETTER

Friday, September 22, 2006

Steve Morris  
Giant Refining Co  
Rt. 3 Box 7  
Gallup, NM 87301  
TEL: (505) 722-3833  
FAX (505) 722-0210

RE: Pond 2 Inlet Aeration Lagoon Phenolics

Order No.: 0609070

Dear Steve Morris:

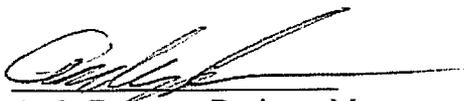
Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 9/7/2006 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

  
Andy Freeman, Business Manager  
Nancy McDuffie, Laboratory Manager

AZ license # AZ0682  
ORELAP Lab # NM100001



**Hall Environmental Analysis Laboratory, Inc.**

Date: 22-Sep-06

**CLIENT:** Giant Refining Co **Lab Order:** 0609070  
**Project:** Pond 2 Inlet Aeration Lagoon Phenolics

**Lab ID:** 0609070-02 **Collection Date:** 9/7/2006 11:15:00 AM  
**Client Sample ID:** AL-1 Inlet **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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<b>EPA METHOD 420.3: TOTAL PHENOLICS</b>						Analyst: JAT
Phenolics, Total Recoverable	21	3.0		µg/L	1	9/13/2006

**Lab ID:** 0609070-03 **Collection Date:** 9/7/2006 11:30:00 AM  
**Client Sample ID:** AL-2 Outlet **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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<b>EPA METHOD 420.3: TOTAL PHENOLICS</b>						Analyst: JAT
Phenolics, Total Recoverable	140	15		µg/L	5	9/13/2006

**Qualifiers:**

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
E Value above quantitation range	H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits	

HALL ENVIRONMENTAL  
 attn: ANDY FREEMAN  
 4901 HAWKINS NE, SUITE D  
 ALBUQUERQUE NM 87109-4372

Explanation of codes	
B	Analyte Detected in Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

STANDARD

Assaigai Analytical Laboratories, Inc.

### Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL  
 Project: 0609070  
 Order: 0609178 HAL03 Receipt: 09-08-06

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: 0609070-01B POND 2 INLET Collected: 09-07-06 11:00:00 By:  
 Matrix: AQUEOUS

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0609178-0001A			EPA 405.1 Biochemical Oxygen Demand							
BOD06109	WC.2006.2297.13	10-26-4	Biochemical Oxygen Demand	241	mg/L	1	2		09-08-06	09-13-06

Sample: 0609070-01A POND 2 INLET Collected: 09-07-06 11:00:00 By:  
 Matrix: AQUEOUS

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0609178-0002A			EPA 410.1 Chemical Oxygen Demand							
WC06.2313	WC.2006.2313.10	C-004	Chemical Oxygen Demand	791	mg/L	1	10		09-20-06	09-20-06

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name GIANTREFIN

Date and Time Received:

9/7/2006

Work Order Number 0609070

Received by GLS

Checklist completed by [Signature] 9-7-06  
Signature Date

Matrix Carrier name Client drop-off

- Shipping container/cooler in good condition? Yes  No  Not Present
- Custody seals intact on shipping container/cooler? Yes  No  Not Present  Not Shipped
- Custody seals intact on sample bottles? Yes  No  N/A
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No  N/A

Container/Temp Blank temperature? 7° *4° C ± 2 Acceptable*  
If given sufficient time to cool.

COMMENTS:

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

