

FEB 12 2008

WATER QUALITY PROGRAM

SO3-001919D

**INDUSTRIAL STORMWATER GENERAL PERMIT  
DISCHARGE MONITORING REPORT**

MONITORING PERIOD for (year/quarter): 2007  Jan/Feb/Mar  Apr/May/June  Jul/Aug/Sep  Oct/Nov/Dec  
year

Facility/Site Information

AIR LIQUIDE  
 Location: 8008 S 222ND ST  
 County: KING

Primary SIC Code: 2813

Mailing Information

AIR LIQUIDE AMERICA CORP  
 8008 S 222ND ST  
 KENT WA 98032-1943

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was no discharge or you have suspended sampling because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

Discharge Point <u>003</u>						
<input type="checkbox"/> There was no qualifying storm event this quarter so no values are entered below (see explanation)						
Quarterly Monitoring		AVERAGE	MAXIMUM	UNITS	Sample Type	Events Sampled
BOD	<input type="checkbox"/> Consistent Attainment	8	8	mg/L	Grab	1
Copper	<input type="checkbox"/> Consistent Attainment	21	21	µg/L	Grab	1
Lead	<input type="checkbox"/> Consistent Attainment	<40	<40	µg/L	Grab	1
Nitrate/Nitrite	<input type="checkbox"/> Consistent Attainment	1.4	1.4	mg/L-N	Grab	1
Oil & Grease	<input type="checkbox"/> Consistent Attainment	<2.0	<2.0	mg/L	Grab	1
pH	<input type="checkbox"/> Consistent Attainment	6.7	6.7	Standard Units	Grab	1
Phosphorus (TP)	<input type="checkbox"/> Consistent Attainment	0.5	0.5	mg/L	Grab	1
Turbidity	<input type="checkbox"/> Consistent Attainment	64	64	NTU	Grab	1
Zinc (total)	<input type="checkbox"/> Consistent Attainment	130	130	µg/L	Grab	1

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

Brian R. Keene, Plant Manager  
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

2/2/08  
DATE: MO DAY YEAR

  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

253-872-1937  
TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

Please see attached level one and level two reports.

# **NISQUALLY ENVIRONMENTAL SAMPLING AND CONSULTING**

Post Office Box 1402      Tacoma, Washington 98401      (253) 208-2400      [Nisquallyenv@aol.com](mailto:Nisquallyenv@aol.com)

Air Liquide  
Brian Keene  
8008 S. 222nd  
Kent, WA. 98032

Dear Mr. Keene,

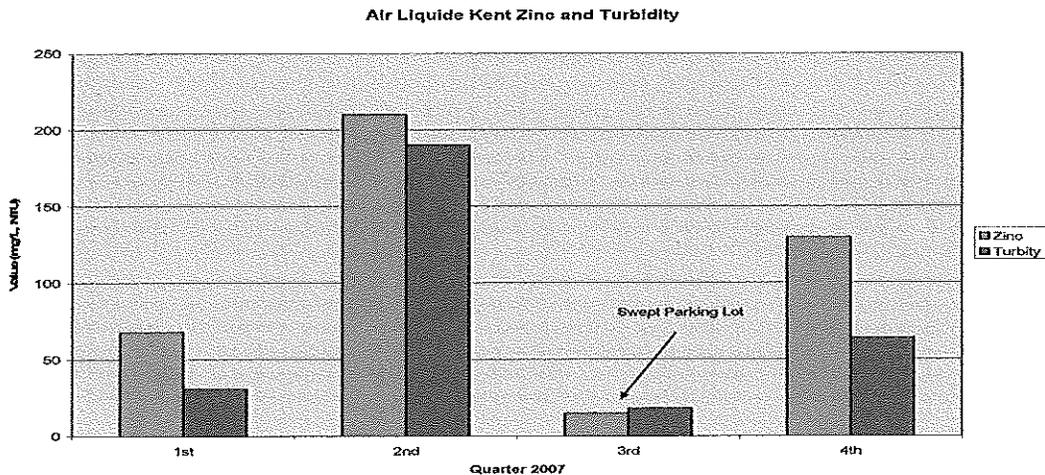
Based on our phone conversation, our walk around the site, and past results, here are the Level 2 reports for Zinc and Turbidity for the Kent site. Please include this report with your DMR and keep a copy in your SWPPP notebook.

## **Level 2 Report for Zinc and Turbidity for Air Liquide, Kent, Washington.**

### **Site Inspection**

Overall the site inspection was good with two notable exceptions. It appeared that there is a build up of soil and grime on the parking lot and paved storage areas. Additionally, there is a build up of soil on the paved areas near the storage tanks. There are no other items obvious that would appear to contribute to the problem. There are no galvanized fittings or roofs that appear to be degrading and no process effluent co-mingling with the stormwater.

### **Evaluation**



Sweeping the parking lot after the 2<sup>nd</sup> quarter results appeared to have greatly reduced the turbidity and the zinc levels. From reports completed by the Department of Ecology and others, it is known that zinc often correlates with turbidity and that a common source of zinc is from

tires (tires are known to have about two percent zinc oxide content). Since this facility is a commercial supplier of compressed gases and other products, there is a lot of truck activity on the site. Additionally, with the location of the site near a major highway (WA-167) and rail yards, is it not unreasonable to assume that there is air transported zinc and dust to the site, both contributors to turbidity and zinc.

**Plan**

The soil buildup near the storage tanks will be removed and the frequency of the sweeping the parking lot will be increased.

Approved by: Brian Keene  \_\_\_\_\_ Date 2/2/08

John Allen  
Nisqually Environmental  
253-208-2400

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