



State of Ohio Environmental Protection Agency

Southeast District Office

2195 Front Street
Logan, Ohio 43138

TELE: (740) 385-8501 FAX: (740) 385-6490
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

August 21, 2007

Re: Scioto County
Sunoco Chemicals
NPDES Inspection
Correspondence (PWW)

Mr. Kevin Soucy, Operations Manager
Sunoco Chemicals
1019 Haverhill-Ohio Furnace Road
Haverhill, Ohio 45636

Mr. Soucy:

On June 23, 2008, Ohio EPA, Division of Surface Water conducted a compliance inspection at Sunoco Chemicals' Haverhill Ohio chemical facility. Jason Patrick and Paul Daniels accompanied me through the plant. The purpose of the inspection was to evaluate Sunoco Chemicals' compliance with the Ohio Water Pollution Control Act, Ohio Revised Code (ORC) Chapter 6111 and NPDES permit #OIF00009*LD.

Following are comments based on my observations during the inspection:

1. It was found during the inspection that Sunoco Chemicals is subject to federal industrial storm water regulations. You should note that your renewal NPDES permit will include storm water language in parts IV, V, and VI. You should plan accordingly, and ensure that your facility develops a storm water pollution prevention plan.
2. During the inspection, we discussed the possibility that Sunoco Chemicals May need a certified operator for the treatment plant. Ohio EPA has made the decision that a certified operator is not required at this time. This determination was based on Sunoco Chemical's relatively good compliance record. Please note, however that Ohio EPA may require that a certified operator be placed in charge of the plant at a future date if it is deemed necessary.

Please ensure that your facility maintains compliance with all limits. Should violations occur, please continue to immediately report them, as well as their cause.

NPDES
Compliance Inspection Report

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
01F00009*LD	OH0007391	June 23, 2008	C	S	2

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Sunoco Chemicals Haverhill Plant 1019 Haverhill-Ohio Furnace Road Haverhill, Ohio 45636	10:15 a.m.	December 1, 2003
	Exit Time	Permit Expiration Date
	1:30 p.m.	July 31, 2008

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Jason Patrick, Regional Environmental Superintendent	(740) 533-5267
Paul Daniels, Environmental Engineer	(740) 533-5295
Name, Address and Title of Responsible Official	Phone Number
Kevin Soucy, Operations Manager Sunoco Chemicals 1019 Haverhill-Ohio Furnace Road Haverhill, Ohio 45636	

C. AREAS EVALUATED DURING INSPECTION

<u>S</u> Permit	<u>S</u> Flow Measurement	<u>--</u> Pretreatment
<u>S</u> Records/Reports	<u>S</u> Laboratory	<u>--</u> Compliance Schedules
<u>S</u> Operations & Maintenance	<u>S</u> Effluent/Receiving Waters	<u>S</u> Self-Monitoring Program
<u>S</u> Facility Site Review	<u>S</u> Sludge Storage/Disposal	<u> </u> Other
<u>--</u> Collection System		

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

D. SUMMARY OF FINDINGS/COMMENTS (attach additional sheets if necessary)

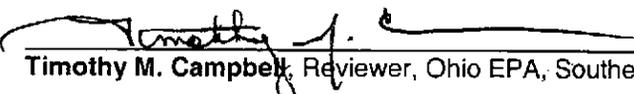
See the attached inspection letter. The plant appeared to be in compliance with the permit.



Michael Yandrich, Inspector, Ohio EPA, Southeast District Office

8-20-08

Date



Timothy M. Campbell, Reviewer, Ohio EPA, Southeast District Office

8/21/08

Date

E. PERMIT VERIFICATION

Inspection Observations Verify the Permit	Yes	No	N/A	N/E
a. Correct name and mailing address of permittee	X			
b. Correct name and location of receiving waters	X			
c. Product(s) and production rates conform with permit application (industries)	X			
d. Flows and loadings conform with NPDES permit	X			
e. Treatment processes are as described in permit application/briefing memo	X			
f. New treatment process(es) added since last inspection		X		
g. Notification given to state of new, different, or increased discharges			X	
h. All discharges are permitted	X			
i. Number and location of discharge points are as described in permit	X			

Comments:

F. COMPLIANCE SCHEDULES/VIOLATIONS

	Yes	No	N/A	N/E
a. Any significant violations since the last inspection		X		
b. Permittee is taking actions to resolve violations	X			
c. Permittee has compliance schedule		X		
d. Compliance schedule contained in: _____			X	
e. Permittee is meeting compliance schedule			X	

Comments:

G. OPERATION AND MAINTENANCE

Treatment Facility Properly Operated and Maintained	Yes	No	N/A	N/E
a. Standby power available: Generator _____ Dual Feed _____		X		
b. Adequate alarm system available for power or equipment failures	X			
c. All treatment units in service other than backup units	X			
d. Sufficient operating staff provided: # of shifts <u>2</u> Days/Week <u>2</u>	X			
e. Operator holds unexpired license of class required by permit Class: _____		X		
f. Routine and preventive maintenance schedule/performed on time	X			
g. Any major equipment breakdown since last inspection		X		
h. Operation and maintenance manual provided and maintained				X
i. Any plant bypasses since last inspection		X		
j. Regulatory agency notified of bypasses: _____ on MORS _____ 800 Number			X	
k. Any hydraulic and/or organic overloads experienced since last inspection		X		

Comments:

Collection System	Yes	No	N/A	N/E
a. Percent combined system: _____ %			X	
b. Any collection system overflows since last inspection (CSO _____ SSO _____)		X		
c. Regulatory agency notified of overflow (SSOs)			X	
d. CSO O and M plan provided and implemented			X	
e. CSOs monitored and reported in accordance with permit			X	
f. Portable pumps used to relieve system				X
g. Lift station alarm systems provided and maintained			X	
h. Are lift stations equipped with permanent standby power or equivalent			X	
i. Is there an inflow/infiltration problem (separate sewer system), or were there any major repairs to collection system since last inspection				X
j. Any complaints received since last inspection of basement flooding			X	
k. Are any portions of the sewer system at or near capacity				X

Comments:

H. SLUDGE MANAGEMENT

a. Sludge Management Plan (SMP): _____ Submitted Date
 _____ Approval Number
 _____ Not submitted
 _____ X _____ N/A

	Yes	No	N/A	N/E
b. Sludge Management Plan current			X	
c. Sludge adequately disposed (Method: <u>Landfill</u>)	X			
d. If sludge is incinerated, where is ash disposed of? _____			X	
e. Is sludge disposal contracted (Name: _____)	X			
f. Has amount of sludge generated changed significantly since last inspection		X		
g. Adequate sludge storage provided at plant	X			
h. Land application sites monitored and inspected per SMP			X	
i. Records kept in accordance with state and federal law				X
j. Any complaints received in last year regarding sludge		X		
k. Is sludge adequately processed (digestion, dewatering, pathogen control)	X			

Comments: Sludge press into roll-off box.

Part 3, Laboratory - Quality Control/Quality Assurance		Yes	No	N/A	N/E
f.	Quality assurance manual provided and maintained				X
g.	Satisfactory calibration and maintenance of instruments and equipment				X
h.	Adequate records maintained				X
i. Results of latest U.S. EPA quality assurance performance sampling program:					
Date: _____		_____ Satisfactory			
		_____ Marginal			
		<u> X </u> Unsatisfactory			

Comments:

J. EFFLUENT/RECEIVING WATER OBSERVATIONS

Outfall #	Oil Sheen	Grease	Turbidity	Visible Foam	Visible Float Solids	Color	Other
001	None	None	None	None	None observed	None	

Comments: Effluent observed at the Ohio River.

K. MULTIMEDIA OBSERVATIONS

		Yes	No	N/A	N/E
a.	Are there indications of sloppy housekeeping or poor maintenance in work and storage areas or laboratories		X		
b.	Do you notice staining or discoloration of soils, pavement, or floors		X		
c.	Do you notice distressed (unhealthy, discolored, dead) vegetation		X		
d.	Do you see unidentified dark smoke or dustclouds coming from sources		X		
e.	Do you notice any unusual odors or strong chemical smells		X		
f.	Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities		X		

If any of the above are observed, ask the following questions:

1. What is the cause of the conditions?
2. Is the observed condition or source a waste product?
3. Where is the suspected contaminant normally disposed?
4. Is this disposal permitted?
5. How long has the condition existed and when did it begin?

Comments:

Paul Daniels
Sunoco Chemicals
1019 Haverhill-Ohio Furnace Road
Haverhill, OH 45636

Phone: 740-533-5295
Fax: 740-533-5376



Fax

To: Michael Yandrich, P.E. **From:** Paul Daniels, P.E.

Fax: 740-385-6490 **Pages:** 7

Phone: 740-380-5447 **Date:** 8/18/2008

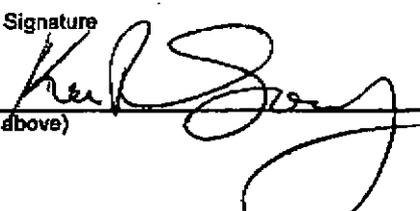
Re: DMR-QA-27 **CC:**

Urgent **For Review** **Please Comment** **Please Reply** **Please Recycle**

• **Comments:** Attached is last years USEPA DMR-QA 27 as requested.

If you have questions, please contact me.

NPDES Permittee Data Report Form
Form Approved. OMB No. 2080-0021 Approval Expires 7/31/2007

	United States Environmental Protection Agency Laboratory DMR-QA Evaluation Study 27 Laboratory Performance Evaluation (These data are collected under the authority of the Federal Water Pollution Control Act.)	EPA USE ONLY <table border="1" style="margin: auto;"> <tr> <td style="text-align: center;">N</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> </table>	N	1	1	2	NPDES Permit OH0007391	Permit Extension
N	1							
1	2							
Current Permittee Mailing Address								
NPDES Permit Number: OH0007391 1019 Haverhill-Ohio Furnace Rd. Haverhill, OH 45636 UNITED STATES		Phone: 7405335295		ATTENTION: Follow the checklist on next page for instructions on completing this form and submitting data for evaluation.				
Enter Permittee Name as it Should Appear in Report Heading:								
Sunoco Chemicals								
For DMR-QA Study 26, conducted in 2006, the Permittee:								
Submitted Samples:	Submitted Data:	Received a Report in Response:						
Yes	Yes	Yes						
Certification by Permit Holder or Authorized Representative (as per 40 CFR Part 122.22 - see instructions.)								
<i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to the U.S. EPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i>								
Name and Title of Certifying Official (Type or Print)	Signature	Date Signed						
Kevin R. Soucy, Operations Manager		10/25/07						
Address of Certifying Official (if different from Permittee address above)		Telephone Number						
		740-533-5302						



United States Environmental Protection Agency
Laboratory DMR-QA Evaluation Study 27
Laboratory Performance Evaluation
(These data are collected under the authority of the Federal Water Pollution Control Act.)

Paperwork Reduction Act Notice

Public reporting burden for this collection of information is estimated to average 4.37 hours per respondent. The estimate is based on conduction of an average of eleven analyses per responding permittee (the mostly frequently reported analyses are chemical). The estimate includes time for reading instructions, preparation of the performance samples, analyses, gathering, and reporting of the information. Send comments regarding the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to Director, OPPE Regulatory Information Division, U.S. Environmental Protection Agency, 1200 Pennsylvania Ave., N.W., Washington, DC 20460; and to the Office of Information a Regulatory Affairs, Office of Management and Budget, 725 17th St., NW, Washington, DC 20503, Attn.: Desk Officer for EPA. Include the EPA ICR number (EPA # 254.06) and the OMB number (2080-0021) in any correspondence.

Checklist for the NPDES Permittee Data Report Form

Enter your NPDES permit number at the top of page 17 and 19, and where indicated on each laboratory data sheet you submit for evaluation. Also fill in other Permittee information on page 17.

You must fill in the 2-digit permit extension field at the top of page 17, if there is an extension for your permit code. If you have one, the extension will appear next to your permit code in the address box on page 17; for example: "NPDES Permittee MA0102551-01." If there is no extension, leave this field blank.

1. Identify each of your laboratories on page 19, including their U.S. EPA Lab code. (NOTE: The U.S. EPA Lab code of the laboratory that produced the data must also appear next to each quantity reported on the data sheets.)
2. Make copies of these four cover pages. Then attach a copy of these pages to the data sheet received from each laboratory, to create a complete Permittee Data Package. Submit each of these Permittee Data Packages to the provider who supplied the samples which were analyzed. You are responsible for submitting data to the various providers to meet your DMR-QA Study {DMRQANumber} reporting requirements.
3. Sign and date the certification statement on page 17.
4. Only use these Permittee cover pages along with the data sheet supplied by each laboratory to report DMR-QA Study {DMRQANumber} data.

5. Submit the Permittee Data Packages to the providers no later than August 31, 2007.

6. Submit a copy of the data package to your state or Regional NPDES Regulatory Authority.



United States Environmental Protection Agency
 Laboratory DMR-QA Evaluation Study 27
 Laboratory Performance Evaluation
 (These data are collected under the authority of the Federal Water Pollution Control Act.)

NPDES Permit Number
 OH0007391

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
 Permit Number: OH0007391

N	2
1	2

Name	Address	Lab Code Assigned by U.S. EPA	Lab Analysis			Lab Type - choose one:	
			Put an 'X' in all that apply			F - Federal	S - State
			Chem	Micro	Tox	C - Local Gov.	L - Industrial
Summit Environmental Technologies Ohio	595 E. Tallmadge Ave. Akron, OH 44310 UNITED STATES	OH00923	X			C	
Sunoco Chemicals	1019 Haverhill-Ohio Furnace Rd. Haverhill, OH 45636 UNITED STATES	OH01154	X			O	

EPA-420 (Cln), Rev. 04-00. Previous editions are obsolete.

Permittee: Sunoco Chemicals

EPA Lab code: OH01154

Permit Number: OH0007391

Chemistry/Microbiology/Analyte Checklist

DMR-QA Study 27

NPDES Testing Required	PT Samples Ordered	Analyte Test	Test Completed/Reported	
			On-Site Lab	Contract Lab
		Microbiology		
<input type="checkbox"/>	<input type="checkbox"/>	Total coliforms, MF or MPN	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Escherichia coli, MF or MPN	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Fecal coliforms, MF or MPN	<input type="checkbox"/>	<input type="checkbox"/>
		Trace Metals		
<input type="checkbox"/>	<input type="checkbox"/>	Aluminum, Al	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Chromium VI, Cr(VI)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Antimony, Sb	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Arsenic, As	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Barium, Ba	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Beryllium, Be	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Cadmium, Cd	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Chromium, Cr (total)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Cobalt, Co	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Copper, Cu	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Iron, Fe	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Lead, Pb	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Manganese, Mn	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Mercury, Hg	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Molybdenum, Mo	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Nickel, Ni	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Selenium, Se	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Silver, Ag	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Thallium, Tl	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Vanadium, V	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Zinc, Zn	<input type="checkbox"/>	<input type="checkbox"/>
		Damands		
<input type="checkbox"/>	<input type="checkbox"/>	Biochemical oxygen demand (BOD)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Carbonaceous BOD (CBOD)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Chemical oxygen demand (COD)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Total organic carbon (TOC)	<input type="checkbox"/>	<input type="checkbox"/>
		Minerals		
<input type="checkbox"/>	<input type="checkbox"/>	Residue-filterable (TDS)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Chloride	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Specific conductance (25°C)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Fluoride	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Hardness, total (CaCO3)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Alkalinity, total (CaCO3)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Sulfate	<input type="checkbox"/>	<input type="checkbox"/>
		Nutrients		
<input type="checkbox"/>	<input type="checkbox"/>	Ammonia as N	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Kjeldahl nitrogen, total (TKN)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Nitrate as N	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Nitrite as N	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Orthophosphate as P	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Phosphorus, total	<input type="checkbox"/>	<input type="checkbox"/>
		Miscellaneous Analytes		
<input type="checkbox"/>	<input type="checkbox"/>	Total residual chlorine	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	pH	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Total phenolics	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Residue-nonfilterable (TSS)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Residue-settleable	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Turbidity	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Oil & Grease	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Total cyanide	<input type="checkbox"/>	<input type="checkbox"/>

Paul Daniels

Print Name

10/24/07

Date

Paul Daniels Inv. Engineer

Signature/Title



2931 Soldier Springs Road . Laramie, WY 82070

phone 307.742.5452 . fax 307.745.7936 . web www.rt-corp.com

NPDES Laboratory Performance Evaluation Report
 RTC Laboratory Proficiency Testing Program
 DMRQA 27 - Concluding 8/31/2007 11:59:00PM

NPDES Permit #: OH0007391
 Permit Name: Sunoco Chemicals

Attention: Paul Daniels
 1019 Haverhill-Ohio Furnace Rd.
 Haverhill, OH 45636
 UNITED STATES

If you have any questions about your report, please contact Chris Rucinski at (307) 742-5452 or email: reports@rt-corp.com. A copy of this report has been sent to both your State and Regional Coordinator. You do not need to send another copy. This report shall not be reproduced except in full, with written approval of the Laboratory. A Laboratory may not claim endorsement by A2LA, NELAC or any other federal agency. RTC is accredited by A2LA to perform T programs for the scope of accreditation under A2LA Certificate # 2122.01.

This report may contain data that are not covered by the A2LA accreditation.

Analyzing Laboratory: Summit Environmental Technologies Ohio

EPA Labcode: OH00923

	Analysis Method	Result/Units	Assigned Value	Acceptance Limits	Evaluation
Biochemical oxygen demand (BOD) 1,530	SM 16/19/20th ED 5210 B (20,027,401/NA)	38.5mg/L	34.0	16.9 to 51.0	Acceptable
Chemical oxygen demand (COD) 1,565	EPA 410.4 (10,077,008/COLOR)	64.8mg/L	54.7	37.5 to 67.6	Acceptable
Total phenolics 1,805	EPA 420.1 (10,078,305/COLOR)	0.016mg/L	0.0815	0.0365 to 0.126	Not Acceptable
Chromium, Cr (total) 1,040	EPA 200.7 (10,013,408/ICP-AES)	98.3µg/L	100	84.9 to 115	Acceptable
Mercury, Hg 1,095	EPA 245.1 (10,036,201/CVAA6)	5.78µg/L	6.01	3.71 to 8.23	Acceptable
Zinc, Zn 1,190	EPA 200.7 (10,013,408/ICP-AES)	659µg/L	677	581 to 779	Acceptable
Molybdenum, Mo 100	EPA 200.7 (10,013,408/ICP-AES)	104µg/L	103	82.3 to 123	Acceptable
Oil & Grease 1,860	EPA 1664A (10,127,409/GRAV)	15.0mg/L	25.5	13.1 to 34.0	Acceptable
Residue-nonfilterable (TSS) 1,960	EPA 160.2 (10,009,402/GRAV)	56mg/L	41.9	31.6 to 48.6	Not Acceptable
Total cyanide 1,645	EPA 335.2 (10,060,205/NA)	1.04mg/L	0.950	0.616 to 1.28	Acceptable

Analyzing Laboratory: Sunoco Chemicals

EPA Labcode: OH01154

	Analysis Method	Result/Units	Assigned Value	Acceptance Limits	Evaluation
pH 1,900	EPA 150.1 (10,008,205/NA)	6.2Units	6.18	5.98 to 6.38	Acceptable
Total residual chlorine 1,940	SM 16/19/20th ED 4500-D (20,021,801/NA)	0.6mg/L	0.606	0.441 to 0.765	Acceptable

Certifying Officer:

Christopher Rucinski



Date: October 08, 2007