

APPENDIX B

Northeast Ohio Regional Sewer District (NEORSB)

APPENDIX B

9/8/08 @ 9:02 a.m. - voice mail from Frank Schuschu (216-641-6000 x-2243) of the Northeast Ohio Regional Sewer District (NEORS).

We finally received your analysis for the oil sand extraction water and we see no reason that we would disallow this as a discharge to the sewer system. It would be surchargable depending on how much you would pay an extra rate on your sewer bill based on the COD and the BOD, basically the oxygen demand and the amount of oxygen it takes to treat the waste water, you would be charged extra on that if you discharged it to our sewer system. But other than that we see no problem with the parameters that were analyzed for, that it would not be a problem to discharge it to the sewer system. I will fax the results to you (attached). We're not going to write a letter or anything like that, so if you need any other information, give me a call at 216-641-6000 x-2243.

(Lou Gonzalez received original voice mail. Lou forwarded to Ed and Rick Murawski).

RAO

Attachment: Frank Schuschu's Report



Northeast Ohio Regional
Sewer District

Protecting Your Health and Environment

FAXED FROM
DEPARTMENT
FAX NUMBER:

FAX TRANSMITTAL

ATTENTION: MR. LOIS GONZALEZ

COMPANY: FERRAS METAL PROCESSING

FAX NUMBER: 216-671-6165

FROM: FRANK SCHULZ

DATE: 9/8/08 TIME: 0905

RE: OIL SAND EXTRACTION PROCESS WATER

COMMENTS:

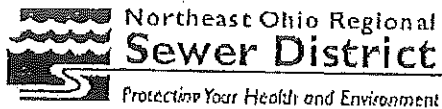
Number of pages sent, including fax transmittal sheet:

The pages comprising this facsimile transmission contain confidential information from Northeast Ohio Regional Sewer District. This information is intended solely for use by the individual entity named as the recipient hereof. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the contents of this transmission is prohibited. If you have received this transmission in error, please notify us by telephone immediately so we may arrange to retrieve this transmission at no cost to you. Thank you.

4747 E. 49th St. • Cleveland, OH 44125 • 216-641-6000

VARY Petrochem Pilot Plant Evaluation

B-2



**Northeast Ohio Regional
Sewer District**

Protecting Your Health and Environment

Certificate of Analysis

Environmental Services 4747 East
19th Street Cuyahoga Hts., OH 44125

Phone: 216-641-6000

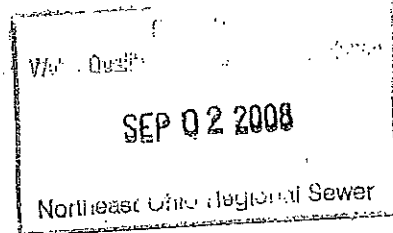
Client Location: Miscellaneous Special Sample

Reporting Number: SP-0806040001-2

Sample Number:
SP-0806040001
Collection Date and Time
6/4/2008 9:20:00 AM

Sample Point: Misc. Special Sample

Test	Result	Value	Units	MDL	Test	Result	Value	Units	MDL
Testable Cyanide	Am. CN-	<2	ug/L	2	COD-EPA 410.4	COD	1157	mg/L	150
245.1	Hg	0.01	ug/L	0.01	O&G - EPA 1664	O/G	12.4	mg/L	1.4
phenol EPA 420.1	Phenol	56.5	ug/L	5	TBOD5-SM 5210	BOD	4.2	mg/L	2
N L-10-204	Total CN-	3.46	ug/L	2	TMET 200.7	Ag	3.3	ug/L	2.6
ET 200.7	Al	1710	ug/L	14.5	TMET 200.7	As	<57.3	ug/L	57.3
MET 200.7	Be	<0.4	ug/L	0.4	TMET 200.7	Ca	3620	ug/L	29.8
ET 200.7	CaCO3	10.9	mg/L CaC	1	TMET 200.7	Cd	14.7	ug/L	4.5
ET 200.7	Co	5.9	ug/L	2.7	TMET 200.7	Cr	881	ug/L	1.8
MET 200.7	Cu	142	ug/L	2.1	TMET 200.7	Fe	7840	ug/L	1.4
ET 200.7	K	>1000000	ug/L	239	TMET 200.7	Mg	448	ug/L	22.8
ET 200.7	Mn	62.5	ug/L	0.5	TMET 200.7	Mo	40.1	ug/L	2.8
MET 200.7	Na	>1000000	ug/L	34.7	TMET 200.7	Ni	71.7	ug/L	6.2
ET 200.7	Pb	61.9	ug/L	23.8	TMET 200.7	Sb	<18.3	ug/L	18.3
ET 200.7	Se	<37.2	ug/L	37.2	TMET 200.7	Sn	<18.9	ug/L	18.9
MET 200.7	TMET	1410	ug/L	10	TMET 200.7	Ti	127	ug/L	1.5
ET 200.7	Tl	16.2	ug/L	8.6	TMET 200.7	V	5	ug/L	4.6
ET 200.7	Zn	314	ug/L	2.3	TSS-SM2540D	TSS	AE10396	mg/L	1
SM 4500H-B	pH	7.9	S.U.	1					



Comments: The required residual mass for TSS analysis was not met during analysis due to high solids content. Therefore, the TSS result reported is an estimated value only.

AE-Data not Valid, j= Result greater than MDL but less than the PQL, EC=Estimated Count

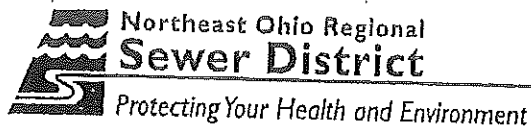
Certified By: *[Signature]*

Date Reported: 8/22/08

sample results were analyzed by an approved EPA test method in 40 CFR part 136 Date and Time: 8/22/2008 1:36:32 PM

VARY Petrochem Pilot Plant Evaluation

B-3



1 of 1

Water Quality & Industrial Surveillance Chain of Custody

Sample ID:

S P - 0 8 0 6 0 4 0 0 0 1

Parameter

Sample Number	SP-0806040001	Sample Login Date	6/4/2008
Sample Submitter	Frank Schuschu	Sample Type	Special
Source/Company	Miscellaneous Special Sample	Sample Point	Miscellaneous Special Sample
Grab/Composite	Grab	Number of Bottles	4
Collection Start Date	6/4/08 9:20	Collection End Date	6/4/08 9:20
Sample Priority	Normal	Analysis Priority	Interceptor
WWTP Name			

Result Name	Received	Result Name	Received	Result Name	Received
Amenable Cyanide	ILC 6/4/08	BOD-Total - 5 Day - 405.1	6/4/08	COD-EPA 410.4	6-508
Mercury 245.1	ILC 6/4/08	Oil and Grease -1664	6-4-08 M	Phenol EPA 420.1	ILC 6/4/08
TSS 160.2	406.508	Total Cyanide 335.4	ILC 6/4/08	pH 150.1	
Aluminum		Antimony		Arsenic	
Beryllium		Cadmium		Calcium	
Chromium		Cobalt		Copper	
Hardness		Iron		Lead	
Magnesium		Manganese		Molybdenum	
Nickel		Potassium		Selenium	
Silver		Sodium		Thallium	
Tin		Titanium		Total Metals	ILC 6/9/08
Vanadium		Zinc			

Hazardous Waste Comments:

Ferrous Metal Processing - Oil sand extraction process water - NaOH added to 400ml btl.

Relinquished Date:

June 4, 2008

Relinquished By:

Received By:

Employee Number: 510

Employee Number: 2707

Time Relinquished: 12:55

Time Received: 12:55

Aliquoted By:

Samples Received on Ice (Yes/No)

Date and Time Aliquoted: 13:22 6/4/08

Sample Temperature °C: 8.4

Retain Information:

Initial Sample Checks

	Yes	No	Lot Number	Retain pH	pH Adjustment	S.U.
Unpreserved	/				BOD Adjusted pH:	7.5
Sulfuric Acid	/				Composite pH:	7.9
Nitric Acid	/				Chlorine Check (+/-)	
Sodium Hydroxide	/				Analyst Initials:	AE

E-1

Chain of Custody ID:

Date Printed: 6/4/08

TOTAL P.03

B-4