

URGENTamec  *Schuyler
9/5/02*

Fax

To

Row Sater

From

Pat C.

Company

MC

Fax

204 726 6567.

Charge no

Pages

5 (inc. this page)

File no

Date

24 OCT 02

Fax operator

cc

Subject

Brandon Cndn Ties
Soil Results

As discussed $\approx$ 15 truck loads
of material on ground to be
hailed to Brandon Landfill.

Let me know what you think.

Pat.

Voice mail message from Pat C.
- Soils going to H200 - Under
wdg

P:\Jobs\Templates\handwritten fax template.doc

AMEC Earth & Environmental Limited
440 Dovercourt Dr.
Winnipeg, Manitoba
Canada R3Y 1N4
Tel +1 (204) 455-2997
Fax +1 (204) 459-5261
www.amec.com

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PSC

ANALYTICAL SERVICES

8577 Commerce Court
Burnaby, B.C.
Canada V5A 4N5
Tel 604 444 4808
Fax 604 444 4511

21-Oct-02
Page 1 of 2

Interim Report

Reported To :

AMEC EARTH AND ENVIRONMENTAL

Client Code A9

AMEC EARTH AND ENVIRONMENTAL
440 DOVERCOURT DR.
WINNIPEG, MB
R3Y 1N4

Attention : HARLEY PANKRATZ
Phone : (204) 488-2997
FAX : (204) 489-8261

Project Information :

Project ID : WX09267
Submitted By: MARIE MCGREGOR

Requisition Forms :

Form 08109927 logged on 15-Oct-02

Remarks :

- ☐ All organic data is blank corrected except for PCDD/F, Hi-res MS and CLP volatile analyses
- ☐ 'MDL' = Method Detection Limit, '<' = Less than MDL, '-' = Not analyzed
- ☐ Solids results are based on dry weight except Slota Analyses & Special Waste Oil & Grease
- ☐ Organic analyses are not corrected for extraction recovery standards except for Isotope Dilution methods, (i.e. CABB 429 PAH, all PCDD/F and DBD/DBP analyses)
- ☐ All CCME and/or BC CSR results meet required criteria unless otherwise stated in the report.
- ☐ All data on final reports are validated by technical personnel. Signature on file at laboratory.
- ☐ Deviations from Reference Method for the Canadian-wide Standard for Petroleum Hydrocarbons in Soil - Tier 1 Method:
 - F1 data - None
 - F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction
- ☐ All Groundwater samples except BTEX/VOC's or Purgeable Hydrocarbons are decontaminated and/or filtered prior to analysis unless otherwise mandated by regulatory agency
- ☐ This report shall not be reproduced except in full, without the written approval of the laboratory

Methods used by Philip are based upon those found in 'Standard Methods for the Examination of Water and Wastewater', 20th Edition, published by the American Public Health Association, or on US EPA protocols found in the 'Test Methods For Evaluating Solid Waste, Physical/Chemical Method, SW846', 3rd Edition. Other procedures are based on methodologies accepted by the appropriate regulatory agency. Methodology briefs are available by written request.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. Liability for any and all use of these test results shall be limited to the actual cost of the pertinent analysis done. There is no other warranty expressed or implied. Your samples will be retained at Philip for a period of 30 days from receipt of data or as per contract.

PHILIP Project Manager: Monica Minto

Gifts on samples
72823, 72824,
72825. Due
Oct 28/02

FSL

ANALYTICAL SERVICES

21-Oct-02
Page 2 of 2INTERIM REPORT
Form 08109927Client : AMEC EARTH AND ENVIRONMENTAL
Project : WJ09267Philip ID : 12072822 12072823 12072824 12072825
Client ID : SAMPLE #5 SAMPLE #6 SAMPLE #7 SAMPLE #8

Sparcode	Parameter	Unit	MDL				
DISPDQNE	Disposal Charge	Y/N	Yes	Yes	Yes	Yes	Yes
HOLDHOLD	Hold Sample	mg/L	0	—	—	—	0
PHYSICAL							
00250760	Moisture	%(W/W)	0.1	? (1)	12.8	10.6	12.0
HYDROCARBONS							
EX995149	PHC EXT F2 - 4	date		—	02/10/16	02/10/16	02/10/16
PHC1PT12	CCME PHC F1 C6-10	ug/g	10	? (1)	160	260	220
HCI-CALC	CCME PHC F1-BTEX	ug/g		? (2)	150	250	210
PHC2HCHT	CCME PHC F2 C10-16	ug/g	50	? (1)	3600	4900	3500
PHC3HCHT	CCME PHC F3 C16-34	ug/g	50	? (1)	14000	21000	15000
PHC4HCHT	CCME PHC F4 C34-50+	ug/g	50	? (1)	6100	10000	5600
BASEPHCS	PHC F2-4 BASELINE 0	Y/N	Yes	Yes (1)	No	No	No
GHH-TOT	PHC GHH	ug/g	100	—	? (1)	? (1)	? (1)
GHH5-MIN	PHC GHH SILICAGEL	ug/g	100	—	? (1)	? (1)	? (1)
VOLATILE ORGANICS-MAH							
EX995170	Volat. Soil Extract.	date		02/10/15	02/10/15	02/10/15	02/10/15
B020PT12	Benzene	ug/g	0.04	? (1)	0.09	0.07	< 0.04
B021PT12	Ethylbenzene	ug/g	0.10	? (1)	1.4	1.4	0.18
T001PT12	Toluene	ug/g	0.10	? (1)	< 0.10	0.14	< 0.10
X 882_10	Xylenes	ug/g	0.1	? (2)	8.6	11	5.8
X003PT12	m,p - Xylene	ug/g	0.10	? (1)	8.2	10	4.4
X002PT12	o - Xylene	ug/g	0.10	? (1)	0.38	1.4	1.4
VOC SURROGATE RECOVERY							
VS01PT12	Bromofluorobenzene	%	0	? (1)	115	99	99
VS03PT12	d8-Toluene	%	0	? (1)	102	98	99
E410PT12	Ethylbenzene-d10	%	60	? (1)	75	72	71

Matrix : Soil
Sampled on: 02/10/08 16:00 02/10/08 16:00 02/10/08 16:00 02/10/08 16:00

Result comments and/or test results :

- (1) No result available yet.
- (2) Not all component results available for Calculation



PSC ANALYTICAL SERVICES

8577 Cornerstone Court
Burnaby, B.C. V5A 4N5
Phone: (604) 444-4808
Fax: (604) 444-4511
Toll Free: 1-800-440-4808

ANALYTICAL SERVICES

COMPANY NAME
AMEC FACILITY ENGINEER
CLIENT PROJECT ID: (if)
WX09267

COMPANY ADDRESS
**440 DORCHESTER DRIVE
WILLOW, MB**

AMPLIFIER NAME (PRINT):
MAIE McLELLAN
PROJECT MANAGER:
HARLEY PANKATZ

FIELD SAMPLE ID	PSC LAB (Date Recd. Unit)	MATRIX			# CONTAINERS	SAMPLING	
		GROUND WATER	SURFACE WATER	SOIL		DATE	TIME
SAMPLE #5	728022	X		X	1	10/02	10:00
SAMPLE #6	728023	X		X	1	10/02	11:00
SAMPLE #7	728024	X		X	1	10/02	12:00
SAMPLE #8	728025	X		X	1	10/02	13:00

TIAT (Turnaround Time)

WE CAN DELIVER TO YOU
FOR A FEE

* extra exceptions apply
please contact lab

STANDARD IN BUSINESS DAYS

STANDARD 5 BUSINESS DAYS

1ST 2 BUSINESS DAYS

1ST 1 BUSINESS DAY

1ST BUSINESS DAY

CUSTODY
RECORD

RETURNED BY SAMPLER:
[Signature]

RETURNED BY:

RETURNED BY:

ORIGINAL - PSC YELLOW - PSC PINK - CLIENT

ESSO / PSC CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

8109927

ANALYSIS REQUEST

LEACHABLE BTEX (AA) (TCLP)	
LEACHABLE LEAD (AA) (TCLP)	
CYANIDE BOD WAD	
TOTAL SUSPENDED SOLIDS (TSS)	
CHLORIDE FLUORIDE SULPHATE	
NITRATE NITRITE AMMONIA	
DISSOLVED METALS LEVEL	
TOTAL METALS LEVEL	
MERCURY TOTAL DISSOLVED	
MINERAL OIL & GREASE	
TOTAL OIL & GREASE	
PHENOLS BY GC/MS	
POB	
FLASHPOINT	
LEAD	
CCME BTEX (FRACTION 1 PLUS BTEX)	
CCME PHC (FRACTIONS 2-4)	
CCME PHC (FRACTIONS 1-4 PLUS BTEX)	
PAH	
TEH EPH	
VOCs (VOLATILE ORGANICS)	
BTEX/LH	
BTEX/VPH	

LAB USE ONLY

LAB INFORMATION

LAB TEMPERATURE

LAB INFORMATION

LAB INFORMATION

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LAB INFORMATION

LAB INFORMATION

LAB INFORMATION

LAB INFORMATION

LAB INFORMATION

LAB INFORMATION

CCME

CSR

ALBERTA TIER 1

OTHER

JARS USED

JARS USED

JARS USED

JARS USED

JARS USED

JARS USED

JARS USED

JARS USED

JARS USED

SPECIAL DETECTION LIMITS / CONTAMINANT TYPE

Not an ESSO SITE

SPECIAL REPORTING OR BILLING INSTRUCTIONS

SAMPLE #5 REGENERATED TURNAROUND

SAMPLE #6, 7, 8 RUSH

SAMPLE #6, 7, 8 RUSH

SAMPLE #6, 7, 8 RUSH

SAMPLE #6, 7, 8 RUSH

SAMPLE #6, 7, 8 RUSH

SAMPLE #6, 7, 8 RUSH

SAMPLE #6, 7, 8 RUSH

SAMPLE #6, 7, 8 RUSH

SAMPLE #6, 7, 8 RUSH

DATE

TIME

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