

APPENDIX 3

Results of Lichen, Water and Drill Cuttings
Chemical/Radiological Analysis

SRC ANALYTICAL

422 Downey Road
Saskatoon, Saskatchewan, S7N 4N1
(306) 933-6932 or 1-800-240-8808
Fax: (306) 933-7922

RECEIVED

AUG - 7 2002

ENVIRONMENT
HEALTH & SAFETY

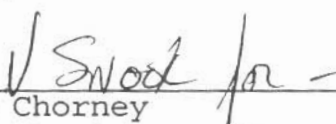
Cogema
Environment, Health Safety Department
P.O. Box 9204
817-45th Street West
Saskatoon, Saskatchewan S7K 3X5
Attn: Gerry Acott

Date Samples Received: Jul-12-2002 Client P.O.:

Analysis has been reviewed by:



Brenda Stanek
Inorganics Supervisor



Dave Chorney
Radiochemistry and SLOWPOKE II Supervisor

- * Test methods and data are validated by the laboratory's Quality Assurance Program. SRC Analytical is accredited by the Standards Council of Canada (SCC), in cooperation with the Canadian Association for Environmental Analytical Laboratories (CAEAL). Specific tests are listed in the scope of accreditation approved by SCC.
- * Routine methods follow recognized procedures from sources such as
 - * Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF
 - * Environment Canada
 - * US EPA
 - * CANMET
- * Samples will be kept for 30 working days after the final report is sent. Please contact the lab if you have any special requirements.

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Aug-01-2002

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Date Samples Received: Jul-12-2002 Client P.O.:

SAMPLE

CLIENT DESCRIPTION

13503	07/10/2002 LICHEN REFERENCE SITE N642417 W972730 *LICHEN*
13504	07/09/2002 ANDREW SITE LICHEN SAMPLE TAKEN WITHIN 10 M MSM OF CORE RACKS *LICHEN*
13505	07/10/2002 LORE GULL CAMP WITHIN 10 M OF CORE RACK *LICHEN*

ANALYTE

UNITS

13503 13504 13505

INORGANIC CHEMISTRY

Dry weight

g

19.4

31.9

13.8

Wet weight

g

30.7

36.8

43.6

RADIO CHEMISTRY

Lead-210

Bq/g

0.78

1.1

0.53

Polonium-210

Bq/g

0.50

0.90

0.45

Radio Chemistry results are reported on a dry basis.

SRC ANALYTICAL

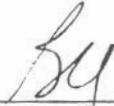
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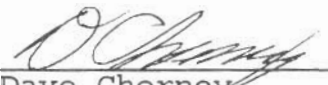
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SRC ANALYTICAL

422 Downey Road
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Jul-30-2002

Cogema
Environment, Health Safety Department

P.O. Box 9204
817-45th Street West
Saskatoon, Saskatchewan S7K 3X5
Attn: Gerry Acott

Date Samples Received: Jul-12-2002 Client P.O.:

SAMPLE	CLIENT DESCRIPTION	ANALYTE
13502	07/09/2002 ANDREW LAKE DRAINAGE AROUND CORE ROCK *WATER*	

INORGANIC CHEMISTRY

PH	Specific conductivity	us/cm	PH units
5.94	48	mg/L	
	18	mg/L	
	38	mg/L	
		mg/L	Organic carbon
		mg/L	Aluminum
		mg/L	Barium
		mg/L	Beryllium
		mg/L	Boron
		mg/L	Cadmium
		mg/L	Calcium
		mg/L	Chromium
		mg/L	Cobalt
		mg/L	Copper
		mg/L	Iron
		mg/L	Lead
		mg/L	Magnesium
		mg/L	Manganese
		mg/L	Molybdenum
		mg/L	Nickel
		mg/L	Phosphorus
		mg/L	Potassium
		mg/L	Silicon, soluble
		mg/L	Silver
		mg/L	Sodium
		mg/L	Strontium
		mg/L	Titanium
		mg/L	Vanadium
		mg/L	Zinc
		mg/L	Zirconium
		mg/L	Total suspended solids
8			

SRC ANALYTICAL

Cogema

Jul-30-2002

SAMPLE	CLIENT DESCRIPTION
13502 07/09/2002	ANDREW LAKE DRAINAGE AROUND CORE ROCK *WATER*

ANALYTE	UNITS	RESULT
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RADIO CHEMISTRY

Radium-226	Bq/L	<0.05
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"<": not detected at level stated above

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SRC ANALYTICAL

Aug-13-2002

Cogema

SAMPLE	CLIENT DESCRIPTION	ANALYTE
13475	07/09/2002 ANDREW SITE CONTAMINATED CUTTINGS	
	* SOLIDS*	

INORGANIC CHEMISTRY

ANALYTE	UNITS	RESULT
Mercury	ug/g	0.10
Aluminum	ug/g	47200
Arsenic	ug/g	3.3
Cadmium	ug/g	<0.5
Cobalt	ug/g	4.8
Copper	ug/g	62
Iron	ug/g	46100
Lead	ug/g	36
Molybdenum	ug/g	2.5
Nickel	ug/g	42
Selenium	ug/g	<0.5
Vanadium	ug/g	97
Zinc	ug/g	33
Moisture	%	22.97

RADIO CHEMISTRY

ANALYTE	UNITS	RESULT
Lead-210	Bq/g	2.6
Polonium-210	Bq/g	2.6
Radium-226	Bq/g	2.7
Thorium-230	Bq/g	2.6
Uranium	ug/g	222

SLOWPOKE

"<": not detected at level stated above
Results are reported on a dry basis.

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 Saskatoon, Saskatchewan S7K 3X5
 Attn: Gerry Acott

Aug-13-2002

Date Samples Received: Jul-12-2002 Client P.O.:

SAMPLE	CLIENT DESCRIPTION
13473	07/09/2002 ANDREW DDH #38 CUTTINGS *SOLIDS*

ANALYTE	UNITS	RESULT
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INORGANIC CHEMISTRY

Mercury	ug/g	0.51
Aluminum	ug/g	48000
Arsenic	ug/g	11
Cadmium	ug/g	<0.5
Cobalt	ug/g	5.6
Copper	ug/g	56
Iron	ug/g	36400
Lead	ug/g	140
Molybdenum	ug/g	7.0
Nickel	ug/g	66
Selenium	ug/g	<0.5
Vanadium	ug/g	270
Zinc	ug/g	67
Moisture	%	29.06

RADIO CHEMISTRY

Lead-210	Bq/g	24
Polonium-210	Bq/g	15
Radium-226	Bq/g	25
Thorium-230	Bq/g	21

SLOWPOKE

Uranium	ug/g	1400
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"<": not detected at level stated above

Results are reported on a dry basis.

SRC ANALYTICAL

Aug-13-2002

Cogema

SAMPLE	CLIENT DESCRIPTION
13474	07/09/2002 ANDREW DDH #39 CUTTINGS *SOLIDS*

ANALYTE	UNITS	RESULT
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INORGANIC CHEMISTRY

Mercury	ug/g	0.61
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Aluminum	ug/g	44800
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Arsenic	ug/g	12
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Cadmium	ug/g	<0.5
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Cobalt	ug/g	11
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Copper	ug/g	83
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Iron	ug/g	52100
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Lead	ug/g	260
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Molybdenum	ug/g	19
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Nickel	ug/g	150
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Selenium	ug/g	<0.5
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Vanadium	ug/g	310
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Zinc	ug/g	63
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Moisture	%	25.27
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RADIO CHEMISTRY

Lead-210	Bq/g	28
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Polonium-210	Bq/g	32
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Radium-226	Bq/g	39
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Thorium-230	Bq/g	60
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SLOWPOKE

Uranium	ug/g	4760
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"<": not detected at level stated above
Results are reported on a dry basis.

SRC ANALYTICAL

Cogema

Aug-13-2002

SAMPLE	CLIENT DESCRIPTION
13476 07/09/2002	ANDREW DDH #45 CUTTINGS *SOLIDS*

ANALYTE	UNITS	RESULT
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INORGANIC CHEMISTRY

Mercury	ug/g	0.28
Aluminum	ug/g	40100
Arsenic	ug/g	6.1
Cadmium	ug/g	<0.5
Cobalt	ug/g	11
Copper	ug/g	45
Iron	ug/g	41400
Lead	ug/g	89
Molybdenum	ug/g	12
Nickel	ug/g	230
Selenium	ug/g	<0.5
Vanadium	ug/g	160
Zinc	ug/g	54
Moisture	%	24.96

RADIO CHEMISTRY

Lead-210	Bq/g	18
Polonium-210	Bq/g	14
Radium-226	Bq/g	16
Thorium-230	Bq/g	18

SLOWPOKE

Uranium	ug/g	685
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Results are reported on a dry basis.