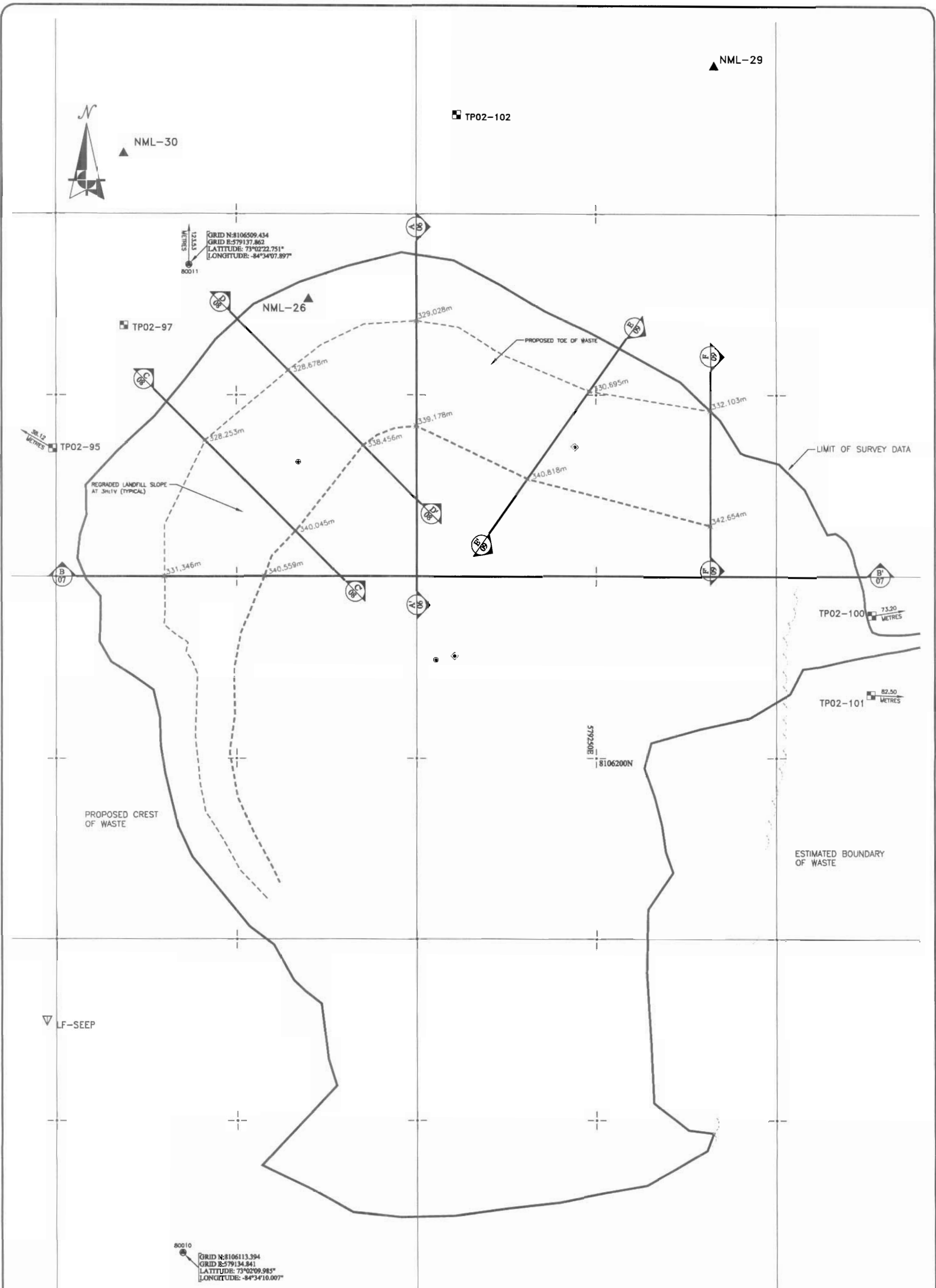
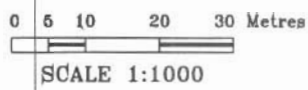




NOTES:

GROUND SURFACE DERIVED FROM TOPOGRAPHIC DATA PROVIDED BY SUB-ARCTIC SURVEYS LTD., DATED AUGUST 28th-29th, 2003.

CONTOURS ARE AT 1 METRE INTERVALS. COORDINATES ARE UNIVERSAL TRANSVERSE MERCATOR (UTM) COORDINATES ZONE 16 (NAD83). ELEVATIONS ARE GEODETIC AND REFERRED TO NANASIVIK CONTROL 871011 (ELEVATION = 299.606) AND ADJUSTED +3.22 METRES TO FIT LOCAL MAPPING.



LEGEND:

- | | | |
|----------------------------------|------------------------|------------------------|
| — LIMIT OF SURVEY | □ TESTPIT (2002) | ⊕ PROPOSED THERMISTOR |
| — SECTION LINE | □ TESTPIT (2003) | ⊕ PROPOSED FROST GAUGE |
| — BOUNDARY OF WASTE | ▽ SEEP SAMPLE | |
| --- BOUNDARY OF WASTE (INFERRED) | ● SURFACE WATER SAMPLE | |
| --- PROPOSED CREST | ● SURVEY CONTROL | |
| --- PROPOSED TOE | ● EXISTING THERMISTOR | |

SOURCE OF DRAWING:

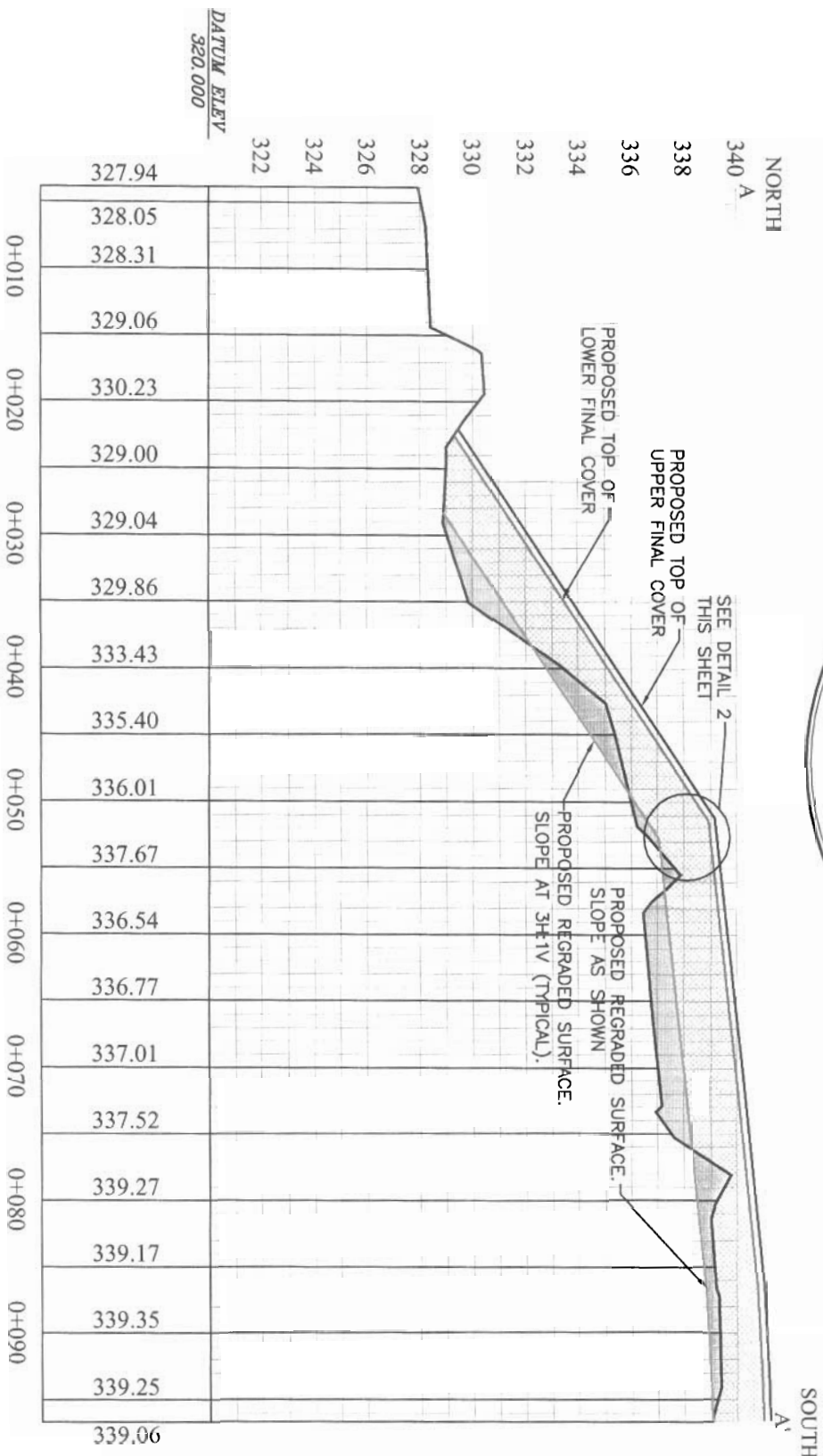
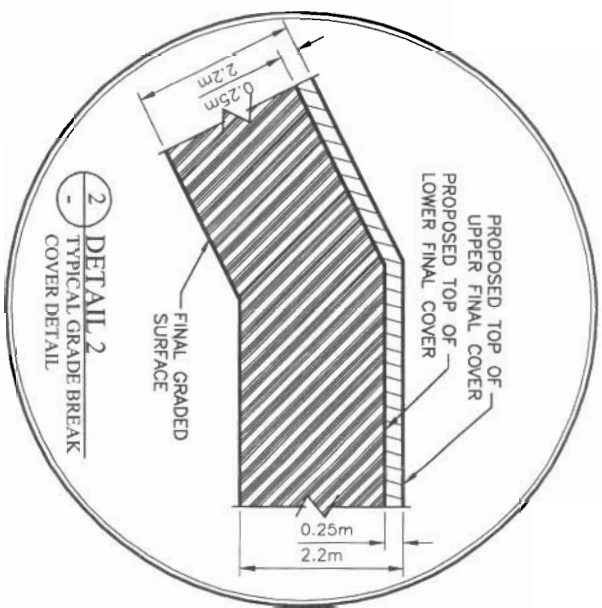
REVIEWED BY:	EJD
DRAWN BY:	CCL
DATE ISSUED:	FEB 2004
PROJECT NUMBER:	23-635
FILE NAME:	23635-6F-03.DWG
REVISION:	0

Project: LANDFILL CLOSURE PLAN
Location: NANASIVIK MINE, NUNAVUT
Client: CanZinco Ltd.

PROPOSED LANDFILL
COVER SURFACE



FIGURE NO. 5



	CUT AREA
	FILL AREA
	EXISTING GROUND SURFACE
	GRADED SURFACE
	TOP OF UPPER FINAL COVER
	TOP OF LOWER FINAL COVER

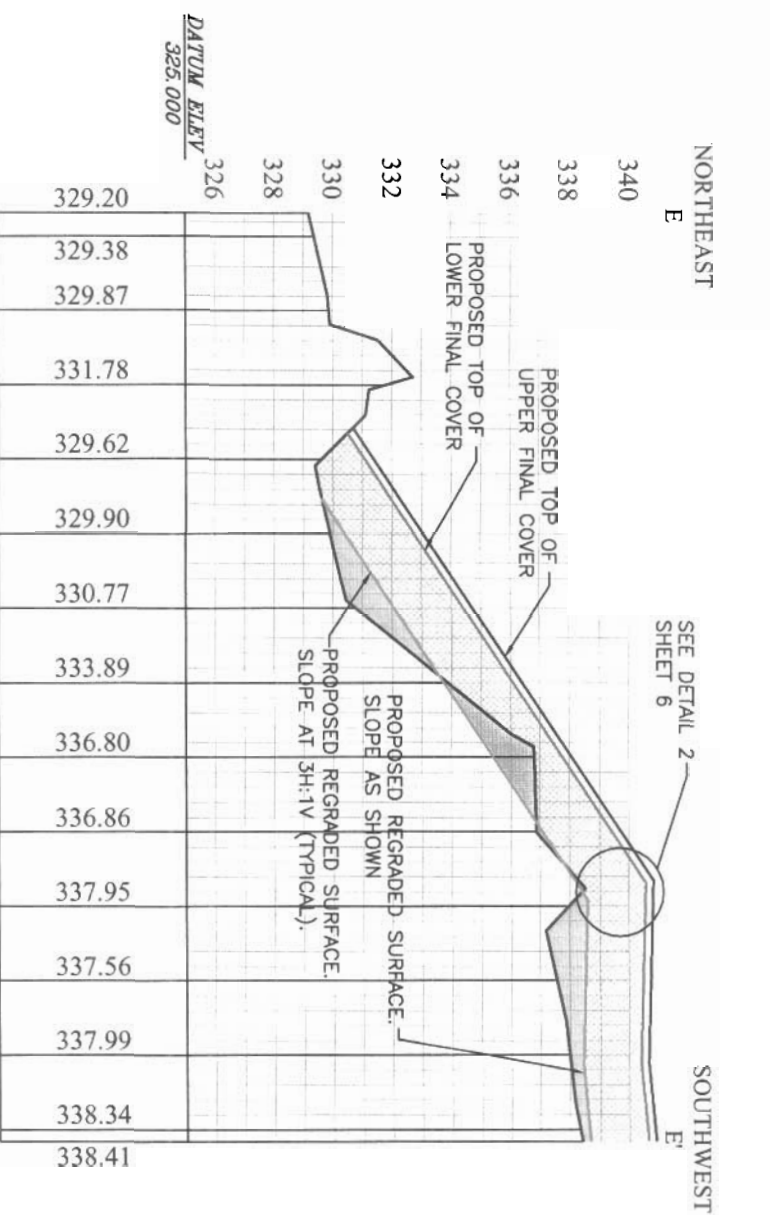


ELEVATIONS ARE GEODETIC AND REFERRED TO NANASIVIK CONTROL 871011 (ELEVATION = 299.606) AND ADJUSTED +3.22 METRES TO FIT LOCAL MAPPING.

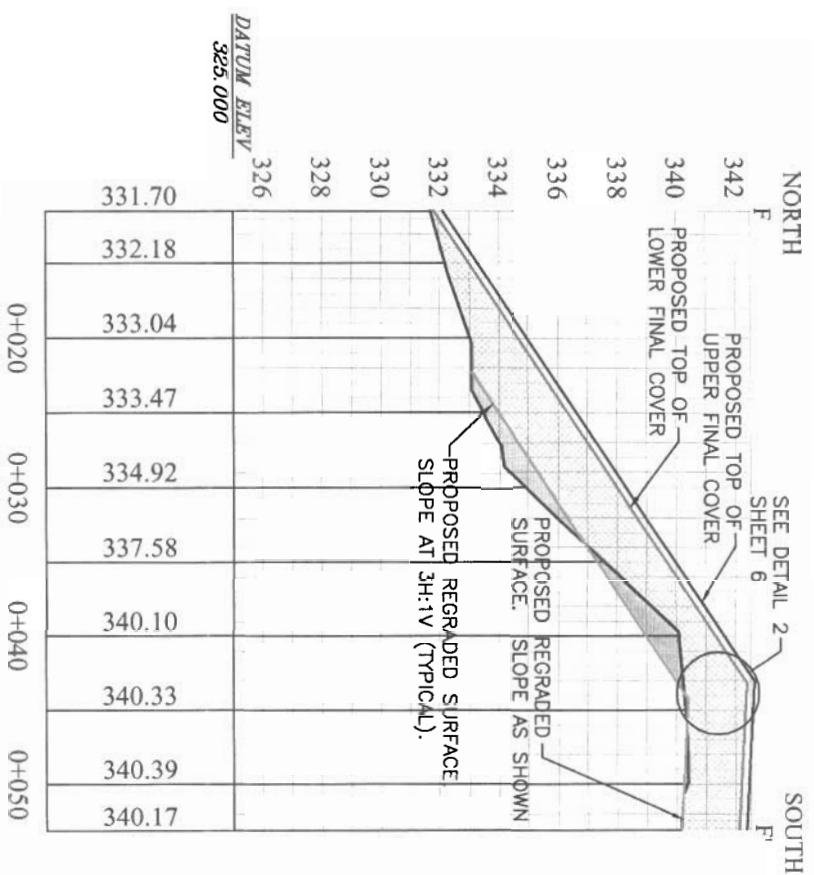
Project: LANDFILL CLOSURE PLAN
Location: NANISIVIK MINE, NUNAVUT
Client: CanZinco Ltd.

SECTION 'C' & 'D'

LEGEND:	
	CUT AREA
	FILL AREA
	EXISTING GROUND SURFACE
	GRADED SURFACE
	TOP OF UPPER FINAL COVER
	TOP OF LOWER FINAL COVER



SECTION E'
03 2x Vertical Exaggeration



SECTION F'
03 2x Vertical Exaggeration



NOTES:

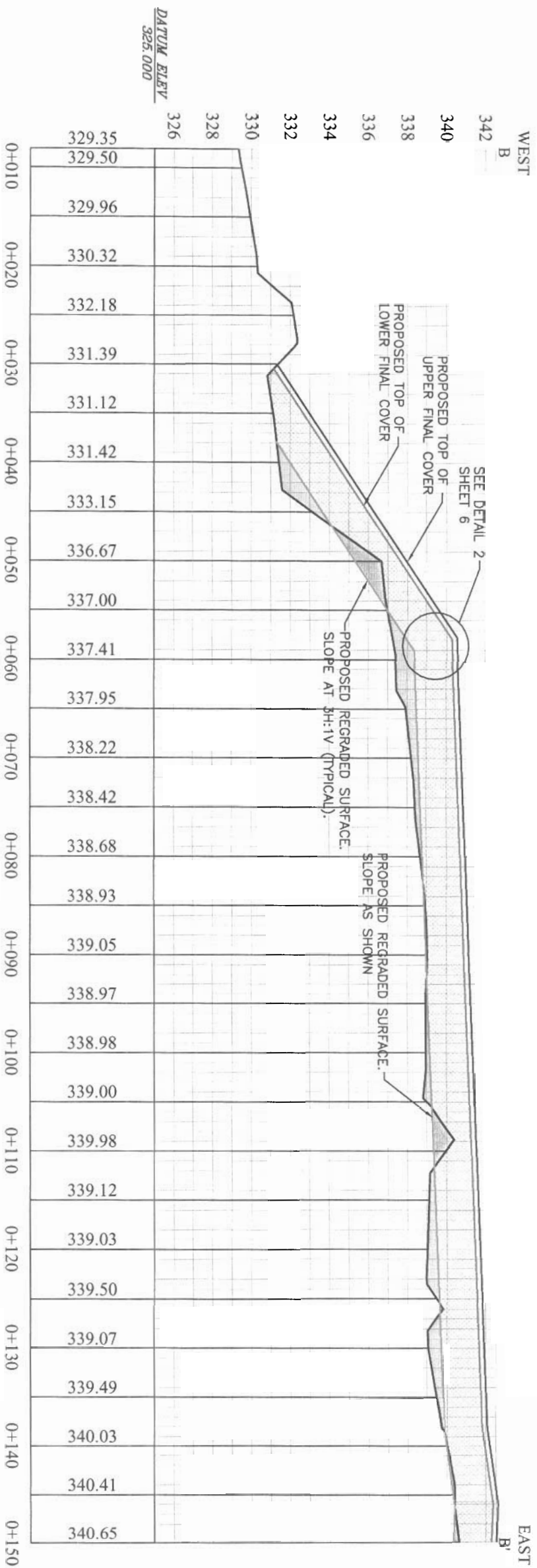
ELEVATIONS ARE GEODETIC AND REFERRED TO NANASIVIK CONTROL 871011 (ELEVATION = 299.606) AND ADJUSTED +3.22 METRES TO FIT LOCAL MAPPING.

DRAWING INFORMATION:	
REVIEWED BY:	HC
DRAWN BY:	CCL
DATE ISSUED:	FEBRUARY, 2004
PROJECT NUMBER:	23-635
FILE NAME:	23635-6F-07.DWG
REVISION:	0

Project: LANDFILL CLOSURE PLAN
Location: NANISIVIK MINE, NUNAVUT
Client: CanZinco Ltd.

SECTION E' & F'

- LEGEND:
- CUT AREA
 - FILL AREA
 - EXISTING GROUND SURFACE
 - GRADED SURFACE
 - TOP OF UPPER FINAL COVER
 - TOP OF LOWER FINAL COVER



B SECTION 'B'
03 2x Vertical Exaggeration



NOTES:

ELEVATIONS ARE GEODETIC AND REFERRED TO NANASNIK CONTROL 871011 (ELEVATION = 299.606) AND ADJUSTED +3.22 METRES TO FIT LOCAL MAPPING.

DRAWING INFORMATION:	
REVIEWED BY:	HC
DRAWN BY:	CCL
DATE ISSUED:	FEBRUARY, 2004
PROJECT NUMBER:	23-635
FILE NAME:	23635-6F-05.DWG
REVISION:	0
Project: LANDFILL CLOSURE PLAN	
Location: NANISIVIK MINE, NUNAVUT	
Client: CanZinco Ltd.	

SECTION 'B'

Appendices



Appendix A

BGC Memorandum - Results of Drilling and Geothermal Monitoring at Nanisivik Landfill,
February 4, 2004





BGC ENGINEERING INC.

AN APPLIED EARTH SCIENCES COMPANY

1605, 840 – 7 Avenue S.W. , Calgary, Alberta, Canada. T2P 3G2
Phone (403) 250-5185 Fax (403) 250-5330

PROJECT MEMORANDUM

To:	Gartner Lee Ltd.	Fax No.:	Via email
Attention:	Eric Denholm	CC:	
From:	Geoff Claypool (Ext. 104)	Date:	February 4, 2004
Subject:	Results of Drilling and Geothermal Monitoring at Nanisivik Landfill		
No. of Pages (including this page):	4	Project No:	0255-008-10

This memorandum has been prepared to summarize the results of geotechnical drilling and results of geothermal monitoring at the Nanisivik Landfill in 2002 and 2003.

In September 2002, Mr. Geoff Claypool, P.Eng. of BGC Engineering Inc. supervised a geotechnical drilling program to observe the subsurface ground conditions at various locations around the Nanisivik Mine site. As part of the investigation one borehole was drilled at the Nanisivik Landfill. The borehole (BGC02-14) was drilled approximately 50 m north of the toe of the landfill within the bottom of the surrounding valley. Chilled brine was used as drilling fluid and BQ size (max 36.5 mm diameter) core was recovered, when possible, using a double-tube sample barrel. A detailed permafrost/ geotechnical log was created for the borehole. Recovered samples were visually logged for ice content and grain size. Response of the drilling equipment as the borehole was advanced through the subsurface was also noted. The geotechnical log for the borehole is attached to this memo. A thermocouple string was installed in the borehole to monitor ground temperatures.

The borehole was drilled to an approximate depth of 8 m below ground surface. The stratigraphy was observed to consist of the following:

- 1.5 m of sand and silt overlying
- shale bedrock.

Visible ice was observed within the fractures of the highly to moderately weathered shale. The quality (RQD) of the shale varied between 0 and 58%.

No lab testing was completed on the samples collected from the borehole at the Landfill.

This communication is intended for the use of the above named recipient. Any unauthorized use, copying, review or disclosure of the contents by other than the recipient is prohibited.

N:\Projects\0255 CanZinco\008 2003 Geotech. Services\10 Landfill Clos. Plan\Landfill Memo.doc

BGC Project Memorandum

To: Eric Denholm – Gartner Lee Ltd.

From: Geoff Claypool – BGC Engineering Inc.

Date: February 4, 2004

Subject: Results of Geotechnical Drilling and Geothermal Monitoring at Nanisivik Landfill

Proj. No: 0255-008-10

The thermocouple has been monitored four times since the installation in September 2002. The results of the monitoring are illustrated graphically on the attached thermocouple plot. The monitoring data indicates ground temperatures at depth are approximately -10°C . This data verifies the field observations made in 2002 that permafrost conditions exist in native ground proximal to the Nanisivik Landfill.

This memo has been developed to summarize the results of the geotechnical investigations conducted at the Nanisivik Landfill in September 2002. Should you have any questions or comments regarding any of the information presented in this memo please do not hesitate to contact the undersigned.

BGC Engineering Inc.

Per:

A handwritten signature in black ink, appearing to read 'Geoff Claypool'.

Geoff Claypool, B.Sc., P.Eng. (AB)
Geological Engineer

DRILL HOLE # BGC02-14

Page 1 of 1

Date Drilled: Sept. 29, 2002

Contractor & Rig: Mine's Diamond Drill

Drill Method: Chilled Brine Coring

Hammer Type: N/A

Location: Toe of Nanisivik Landfill

Elevation: N/A

Co-ord: 15301.5N, 15360.4E

Logged by: G. Claypool

Project No. 0255-006-07

Reviewed by: J. Cassie

Notes: Brine Temp. = -2.3C, Thermocouple

Depth (m)	SOIL DESCRIPTION	Core Run	Recovery	Moisture Content %				Installation / Backfill		Depth (m)
				Wp -----X----- Wl						
				10	20	30	40			
0	Ground Surface									0
0	TILL Sand and Silt, trace organics, frozen, N _{bn} , no visible ice.	0.0								0
1	Fast drilling rate. Rock fragments recovered in bottom of sample tube.	1								1
1.5	SHALE Moderately weathered, medium strong.	1.5								1.5
2	Hard drilling, rod chatter noted, no recovery.	2								2
2.4	@ 2.4 to 4.0 m 0.20 m recovered of shale core and rock fragments.	2.4								2.4
3		3								3
4	@ 3.9 to 4.6 m 100% recovery SHALE, slightly weathered, medium strong rock more intact, silt on joint surfaces RQD = 58%	4								4
5	@ 4.6 m to 8.1 m SHALE, highly weathered, medium strong rock has been weathered into gravel size material. RQD = 0%	5								5
6		6								6
7	@ 7.15 to 7.30 m Visible Ice, V _x =30-40%	7								7
8	End of Borehole	8.1								8
9										9
10										10



BGC ENGINEERING INC.

AN APPLIED EARTH SCIENCES COMPANY

Calgary, AB

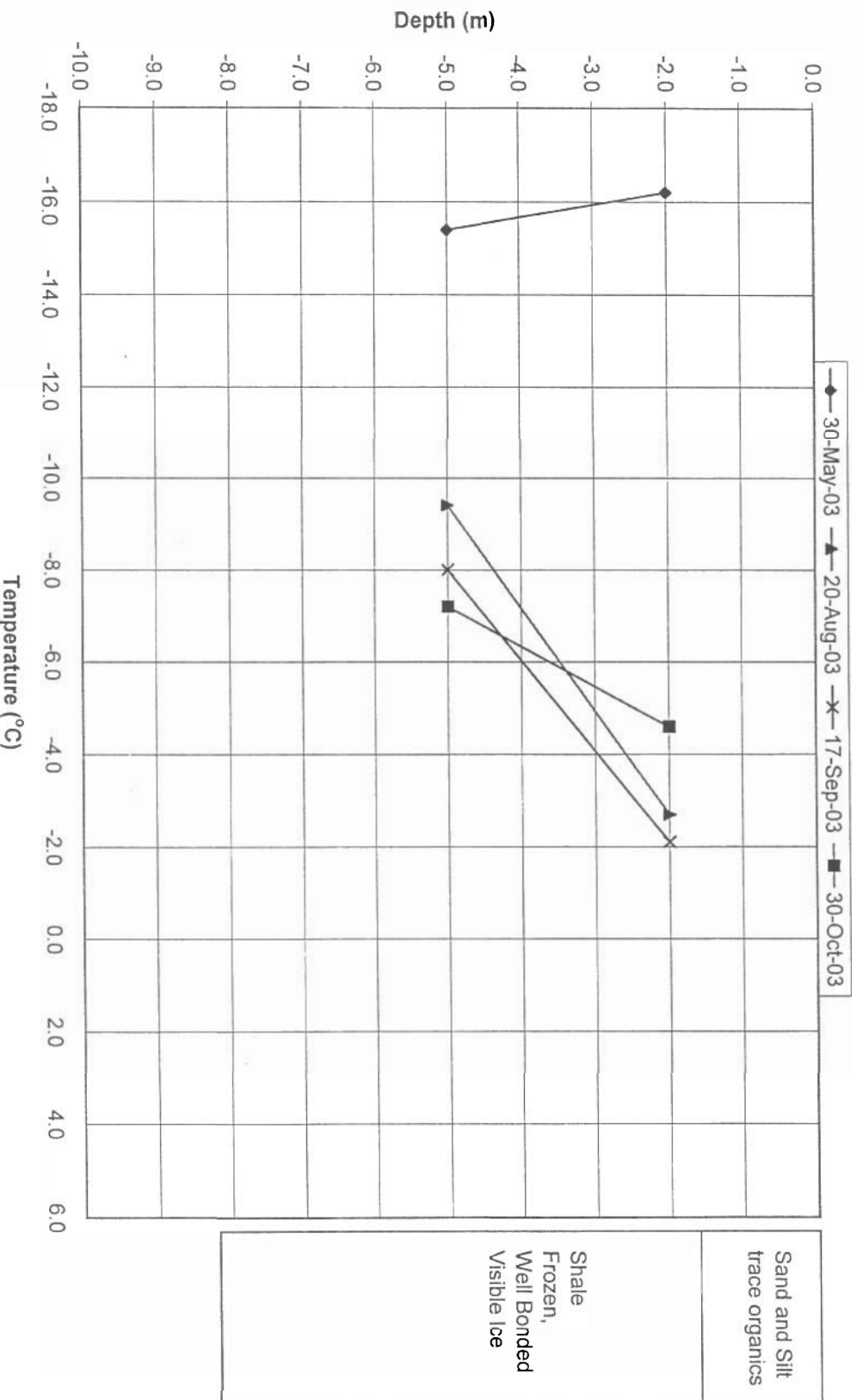
Phone (403) 250-5185

CLIENT: Nanisivik Mine, a Division of CanZinco Ltd.

PROJECT: Geotechnical Investigation

Final Depth: 8.1 m

Geothermal Monitoring
Nanisivik Landfill
Thermocouple BGC02-14



Appendix B

Subsurface and Surface Water Quality Listings



**Nanisivik Landfill Facility
Summary of Subsurface Water Quality**

Gartner Lee				Sample ID: Sample Date:		TP02-95		TP02-97		TP02-100	
PARAMETER	UNITS	MDL	CEQG FWAL X 10 ³	2002-07-27	2003-08-01	2003-08-16	2003-09-05	2002-07-27	2003-08-01	2003-08-16	2003-09-05
Volatile Petroleum Hydrocarbons											
Benzene	ug/L	0.5	3700*	-	-	-	-	-	-	-	-
Toluene	ug/L	0.5	20*	-	-	-	-	-	-	-	-
Ethylbenzene	ug/L	0.5	90*	-	-	-	-	-	-	-	-
m/p-xylene	ug/L	1.0	-	-	-	-	-	-	-	-	-
o-xylene	ug/L	0.5	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons											
GRO (<C10)	mg/L	0.2	-	-	-	-	-	-	-	-	-
DRO (C10-C24)	mg/L	0.07-0.2	-	-	-	-	-	-	-	-	-
GRO + DRO	mg/L	0.2	-	-	-	-	-	-	-	-	-
INORGANICS											
Silver (Ag)	mg/L	0.0001	0.001	<0.0001	disolved	disolved	disolved	disolved	disolved	disolved	disolved
Arsenic (As)	mg/L	0.001	0.05	<0.001	-	-	-	-	-	-	-
Boron (B)	mg/L	0.02	-	<0.02	-	-	-	-	-	-	-
Barium (Ba)	mg/L	0.01	-	0.04	-	-	-	-	-	-	-
Beryllium (Be)	mg/L	0.001	0.08	<0.001	-	-	-	-	-	-	-
Calcium (Ca)	mg/L	1	-	77	-	-	-	-	-	-	-
Cadmium (Cd)	mg/L	0.0001	0.00017*	<0.0001	-	-	-	-	-	-	-
Cobalt (Co)	mg/L	0.0002	-	0.0004	-	-	-	-	-	-	-
Chromium (Cr)	mg/L	0.001	0.05*	0.002	-	-	-	-	-	-	-
Chromium _{VI}	mg/L	0.05	-	<0.05 ^f	-	-	-	-	-	-	-
Copper (Cu)	mg/L	0.001	0.02-0.04 ^g	0.002	-	-	-	-	-	-	-
Hardness as CaCO ₃	mg/L	1	-	386	-	-	-	-	-	-	-
Antimony (Sb)	mg/L	0.001	-	<0.001	-	-	-	-	-	-	-
Lead (Pb)	mg/L	0.001	0.01-0.07*	<0.001	-	-	-	-	-	-	-
Magnesium (Mg)	mg/L	1	-	47	-	-	-	-	-	-	-
Mercury (Hg)	mg/L	0.0001	0.001	-	-	-	-	-	-	-	-
Molybdenum (Mo)	mg/L	0.005	0.73*	<0.005	-	-	-	-	-	-	-
Nickel (Ni)	mg/L	0.005	0.25-1.50 ^g	<0.005	-	-	-	-	-	-	-
lab pH			>6.5 and <9	8.30	-	-	-	-	-	-	-
Selenium (Se)	mg/L	0.001	0.01	<0.001	-	-	-	-	-	-	-
Sodium (Na)	mg/L	2	-	4	-	-	-	-	-	-	-
Sulphate (SO ₄)	mg/L	1	-	143	-	-	-	-	-	-	-
Thallium (Tl)	mg/L	0.001	-	<0.001	-	-	-	-	-	-	-
Vanadium (V)	mg/L	0.001	-	<0.001	-	-	-	-	-	-	-
Zinc (Zn)	mg/L	0.005	0.3	<0.005	-	-	-	-	-	-	-

Bold Concentration is greater than or equal to the Reference

Notes:

*,- means analysis not conducted or no guideline

"<" means less than the method detection limit (MDL) indicated

- a) Canadian Environmental Guidelines (CEQG) for the protection of Freshwater Aquatic Life (FWAL) for surface water
- b) CEGQ for FWAL is multiplied by ten as reference for groundwater quality
- c) Guideline varies with hardness
- d) Guideline for "unionized" ammonia is calculated from the total concentration based on pH and temperature
- e) Interim Guideline, where water quality guidelines based on the CCME water quality protocol have not been developed yet
- f) The analytical method detection limit (MDL) exceeds or is equal to the Federal Guidelines
- g) Exceedance depends upon hardness where no hardness concentration is available

Nanisivik Landfill Facility Summary of Subsurface Water Quality

Gartner Lee				Sample ID: TP02-101		Sample Date: 2002-07-27		TP02-102		TP03-187		LE-WSERP				
PARAMETER				UNITS	MDL	CEQG FWAL X 10 ³	2003-08-01	2003-08-16	2003-09-05	2003-07-27	2003-08-16	2003-09-05	2003-08-19	2003-07-27	2003-07-27	2003-08-19
Volatile Petroleum Hydrocarbons																
Benzene	ug/L	0.5	3700 ^a	<0.5	-	-	-	-	-	-	-	-	-	<0.5	-	-
Toluene	ug/L	0.5	20 ^a	<0.5	-	-	-	-	-	-	-	-	-	<0.5	-	-
Ethylbenzene	ug/L	0.5	90 ^a	<0.5	-	-	-	-	-	-	-	-	-	<0.5	-	-
m,p-xylene	ug/L	1.0	-	<1.0	-	-	-	-	-	-	-	-	-	<1.0	-	-
o-xylene	ug/L	0.5	-	<0.5	-	-	-	-	-	-	-	-	-	<0.5	-	-
Total Petroleum Hydrocarbons																
GRO (<C10)	mg/L	0.2	-	<0.2	-	-	-	-	-	-	-	-	-	<0.2	-	-
DRO (C10-C24)	mg/L	0.07-0.2	-	<0.2	<0.2	<0.07	<0.2	<0.07	<0.2	<0.07	<0.2	<0.07	<0.2	<0.2	-	<0.07
GRO + DRO	mg/L	0.2	-	<0.2	-	-	-	-	-	-	-	-	-	<0.2	-	-
INORGANICS																
Silver (Ag)	mg/L	0.0001	0.001	<0.0001	-	-	-	-	<0.0001	-	-	-	-	0.0002	<0.0001	-
Arsenic (As)	mg/L	0.001	0.05	<0.001	-	-	-	-	<0.001	-	-	-	-	0.002	<0.001	-
Boron (B)	mg/L	0.02	-	<0.02	-	-	-	-	<0.02	-	-	-	-	0.99	<0.05	-
Barium (Ba)	mg/L	0.01	-	0.02	-	-	-	-	0.02	-	-	-	-	0.06	0.02	-
Beryllium (Be)	mg/L	0.001	0.08	<0.001	-	-	-	-	<0.001	-	-	-	-	<0.001	<0.001	-
Calcium (Ca)	mg/L	1	-	30	-	-	-	-	36	-	-	-	-	66	63	-
Cadmium (Cd)	mg/L	0.0001	0.00017 ^a	<0.0001	-	-	-	-	<0.0001	-	-	-	-	0.0015	<0.0001	-
Cobalt (Co)	mg/L	0.0002	-	<0.0002	-	-	-	-	<0.0002	-	-	-	-	0.0067	0.0005	-
Chromium (Cr)	mg/L	0.001	.089 ^b	0.001	-	-	-	-	0.001	-	-	-	-	0.002	0.004	-
Chromium VI	mg/L	.05	-	<0.05 ^c	-	-	-	-	<0.05 ^c	-	-	-	-	<0.05 ^c	<0.05	-
Copper (Cu)	mg/L	0.001	0.02-0.04 ^d	0.002	-	-	-	-	0.001	-	-	-	-	0.073	0.001	-
Hardness as CaCO ₃	mg/L	1	-	161	-	-	-	-	189	-	-	-	-	272	306	-
Antimony (Sb)	mg/L	0.001	-	<0.001	-	-	-	-	<0.001	-	-	-	-	0.015	<0.001	-
Lead (Pb)	mg/L	0.001	0.01-0.07 ^e	<0.001	-	-	-	-	<0.001	-	-	-	-	0.003	<0.001	-
Magnesium (Mg)	mg/L	1	-	21	-	-	-	-	24	-	-	-	-	26	36	-
Mercury (Hg)	mg/L	0.0001	0.001	-	-	-	-	-	<0.005	-	-	-	-	0.009	<0.0001	-
Molybdenum (Mo)	mg/L	0.005	0.73 ^f	<0.005	-	-	-	-	<0.005	-	-	-	-	0.021	<0.005	-
Nickel (Ni)	mg/L	0.005	0.25-1.50 ^g	8.02	-	-	-	-	7.90	-	-	-	-	7.67	7.12	-
lab pH	mg/L	0.001	>6.5 and <9	<0.001	-	-	-	-	<0.001	-	-	-	-	0.006	<0.001	-
Selenium (Se)	mg/L	0.001	0.01	<2	-	-	-	-	5	-	-	-	-	-	-	-
Sodium (Na)	mg/L	2	-	91	-	-	-	-	89	-	-	-	-	13.40	265	-
Sulphate (SO ₄)	mg/L	1	-	<0.001	-	-	-	-	<0.001	-	-	-	-	<0.001	<0.001	-
Thallium (Tl)	mg/L	0.001	-	<0.001	-	-	-	-	<0.001	-	-	-	-	<0.001	<0.001	-
Vanadium (V)	mg/L	0.001	-	<0.001	-	-	-	-	<0.001	-	-	-	-	<0.001	<0.001	-
Zinc (Zn)	mg/L	0.005	0.3	<0.005	-	-	-	-	<0.005	-	-	-	-	0.974	0.036	-

Bold Concentration is greater than or equal to the Reference

- Notes:
 "-," means analysis not conducted or no guideline
 "<" means less than the method detection limit (MDL) indicated
- a) Canadian Environmental Guidelines (CEQG) for the protection of Freshwater Aquatic Life (FWAL) for surface water
 b) CEGQ for FWAL is multiplied by ten as reference for groundwater quality
 c) Guideline varies with hardness
 d) Guideline for "unhazardous" ammonia is calculated from the total concentration based on pH and temperature
 e) Infirm Guideline, where water quality guidelines based on the CCME water quality protocol have not been developed yet
 f) The analytical method detection limit (MDL) exceeds or is equal to the Federal Guidelines
 g) Exceedance depends upon hardness where no hardness concentration is available

Nanisivik Landfill Facility
Summary of Surface Water Quality

Gartner Lee					"Dump" (at low seepage collection berm)												NML-26																				
1994-06-10					1994-07-12		1994-07-19		1994-08-17		1995-06-26		1995-07-04		1995-07-10		1995-07-17		1995-08-21		1995-08-28		1996-07-10		1996-07-17		1996-08-08		1997-06-17		1998-07-08		1998-08-25				
Total					Total		Total		Total		Total		Total		Total		Total		Total		Total		Total		external		Total		Total		Total		Total				
PARAMETER	UNITS	MDL	CEQG FWAL ^a	WL Criteria ^a																																	
Physical																																					
Temperature	°C	-	-	-	0.5	3.2	9.6	-	3.3	8.6	9.5	11.6	8.0	6.4	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
field pH	-	-	-	>6.5 and <9	7.38	7.89	7.80	8.30	7.59	7.88	7.84	7.97	7.84	8.21	8.20	7.79	8.03	-	8.38	8.16	7.32	7.54	7.54	-	-	-	-	-	-	-	-	-	-	-			
Conductivity	mS	-	-	-	535	1480	1250	1230	710	1000	1160	1040	890	1000	1045	503	-	-	-	887	-	270	250	-	-	-	-	-	-	-	-	-	-	-			
TSS	mg/L	-	-	30	12	2.2	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Total Petroleum Hydrocarbons																																					
"OldGrease"	mg/L	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
GRO (C10)	mg/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
DRO (C10-C24)	mg/L	0.07-0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
GRO + DRO	mg/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
INORGANICS																																					
Cadmium (Cd)	mg/L	0.0001	0.000017 ^a	0.01	<0.001 ^f	<0.001 ^f	<0.001 ^f	<0.001 ^f	-	-	-	-	-	-	-	-	<0.001 ^f	-	<0.001 ^f	<0.001 ^f	<0.001 ^f	<0.001 ^f	<0.001 ^f	-	-	-	-	-	-	-	-	-	-	-			
Lead (Pb)	mg/L	0.001	0.001-0.007 ^a	0.20	0.004 ^g	0.004 ^g	-	<0.001	-	-	-	-	-	-	-	-	0.009	-	0.001	<0.001	0.001	0.002 ^h	-	-	-	-	-	-	-	-	-	-	-	-	-		
Zinc (Zn)	mg/L	0.005	0.03	0.50	0.002 ^g	0.211 ^h	0.244 ^h	0.181 ^h	0.127 ^h	0.313 ^h	-	0.237 ^h	0.073 ^h	0.089 ^h	0.164 ^h	0.015	-	0.158	0.035	<0.001	0.035	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-		

Bold Concentration is greater than or equal to the CEOG FWAL and less than the WL Criteria^g

Notes: ^a- means analysis not conducted or no guideline

^b- means less than the method detection limit (MDL) indicated

^a Canadian Environmental Guidelines (CEQG) for the protection of Freshwater Aquatic Life (FWAL) for surface water

^b Water Licence effluent discharge criteria - maximum concentration in a grab sample

^c Guideline varies with hardness

^d Guideline for "un-ionized" ammonia is calculated from the total concentration based on pH and temperature

^e Interim Guideline, where water quality guidelines based on the CCME water quality protocol have not been developed yet

^f The analytical method detection limit (MDL) exceeds or is equal to the Federal Guidelines

^g Exceedance depends upon hardness where no hardness concentration is available

Nanisivik Landfill Facility Summary of Surface Water Quality

Garner Lake					NML-26																
PARAMETER	UNITS	MDL	CEQG FWAL*	WL CHRWIA*	1999-06-26	1999-07-28	2000-06-21	2000-07-21	2002-08-16	2003-06-27	2003-07-05	2003-07-11	2003-07-18	2003-07-23	2003-08-01	2003-08-08	2003-08-15	2003-08-22	2003-08-27	2003-09-05	2003-09-12
									Total												No Flow
Physical																					
Temperature	°C	-	-	-	1.9	10	7.5	9.6	14.2	13	18.7	15	10.4	10.1	3.9	5.7	2.6	3.4	3.6	4.6	-
field pH	-	-	>6.5 and <9	6.0 - 9.5	8.14	8.41	7.78	8.55	8.46	6.75	6.68	6.75	7.52	7.79	7.72	7.45	6.53	7.19	10.80	7.17	-
Conductivity	ms	-	-	-	250	1080	492	277	-	0.61	1.18	2.1	3.01	3.67	3.94	3.2	3.85	4.42	7.52	3.82	-
TSS	mg/L	-	-	30	-	0.4	8	0.8	1.2	1.8	1.2		2.8	0.8	1.6	2	2.4	0.8	18	0.4	-
Total Petroleum Hydrocarbons																					
THK Grease*	mg/L	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GR0 (<C10)	mg/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DBO (C10-C24)	mg/L	0.07-0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GR0 + DBO	mg/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	-	-	-	-	-	-
INORGANICS																					
Cadmium (Cd)	mg/L	0.0001	0.000017*	0.01	-	total	total	total	total	total	total	total	total	total	total	total	total	total	total	total	total
						<0.001 ^f	<0.001 ^f	<0.001 ^f	-	<0.001 ^f	<0.001 ^f	0.0004	0.0005	0.0005	0.004	0.0004	0.0005	0.004 ^f	0.0006	0.0005	-
Lead (Pb)	mg/L	0.001	0.001-0.007 ^f	0.20	-	-	<0.001	<0.001	0.03	0.002 ^f	<0.001	0.013	0.004 ^f	0.004 ^f	0.004 ^f	0.005	0.004 ^f	0.003 ^f	0.003 ^f	0.003 ^f	0.002 ^f
Zinc (Zn)	mg/L	0.005	0.03	0.50	0.129	0.205	0.035	0.156	0.115	<0.005	<0.005	0.028	0.037	0.032	0.039	0.057	0.046	-	0.04	0.06	-

Biode Concentration is greater than or equal to the CTOG FWAL and less than the WL CHRWIA

Notes: * - means analysis not conducted or no guideline

- * - means less than the method detection limit (MDL) indicated
- a) Canadian Environmental Guidelines (CEQG) for the protection of Freshwater Aquatic Life (FWAL) for surface water
- b) Water Licence effluent discharge criteria - maximum concentration in a grab sample
- c) Guideline Vires with hardness
- d) Guideline for "un-ionized" ammonia is calculated from the total concentration based on pH and temperature
- e) Interim Guideline, where water quality guidelines based on the CCME water quality protocol have not been developed yet
- f) The analytical method detection limit (MDL) exceeds or is equal to the Federal Guidelines
- g) Exceedance depends upon hardness where no hardness concentration is available