APPENDIX C

MONITORING PROGRAM STATIONS (SIM-1, SIM-2, SIM-3 AND SIM-4 AS PER PART K OF THE WATER LICENCE)

Monitoring Program Station - SIM-1

Proposed Raw Water Supply Intake Sources in the Water Licence and Amendment 1 are:

1. North of the unnamed tributary to the Murchinson River near Borrow Area #2; and
2. Freshwater Lake (as backup, in case the unnamed tributary dries up)

The unnamed tributary did not dry up, so no water was taken from the Freshwater Lake.

Volumes of raw water taken from the unnamed tributary to the Murchinson River (SIM-1) which was located at the coordinates (68°34'11.43"N, 92°02'45.41"W) are given in the following table:

2010 Construction Season	**Quantity (m^3)**	**2011 Construction Season**	**Quantity (m^3)**
2010, June	42	2011, June	12
2010, July	62	2011, July	62
2010, August	62	2011, August	62
2010, September	60	2011, September	46
2010, October	18	2011, October	-
2010 Annual Total =	**244**	**2011 Annual Total =**	**182**

Monitoring Program Station - SIM-2

Final Discharge Point from Sewage Disposal Facility located at coordinates

(68°34’14.48”N, 92°02’46.04”W)

Volume of Sewage Generated and Discharged at SIM-2 are given in the following table:

2010 Construction Season	Quantity (m^3)	2011 Construction Season	Quantity (m^3)
2010, June	42	2011, June	12
2010, July	62	2011, July	62
2010, August	62	2011, August	62
2010, September	60	2011, September	46
2010, October	18	2011, October	-
2010 Annual Total =	**244**	**2011 Annual Total =**	**182**

Quality of Sewage Effluent Generated and Discharged at SIM-2 is given in the following table:

Parameter	Maximum Average Concentration	Units	Sampled By:					
			Kudlik	Kudlik	Kudlik	AECOM	Kudlik	Kudlik
		Date Sampled	7-Jul-10	1-Sep-10	4-Oct-10	4-Oct-10	5-Jul-11	29-Jul-11
BOD	120	mg/L	40	24	9	14	70	67
Total Suspended Solids	180	mg/L	19	13	9	19	57	36
Faecal Coliforms	100,000	CFU/100 mL	66	210	1,900	1,700	**18,000,000**	2,000
pH	6.0 to 9.0	pH units	7.7	7.9	7.5	7.67	7.2	7.72
Oil and Grease	no visible sheen	mg/L	<1	<1	<1	<2	<2	<2

Notes:

This table is the same as Table 1 of the Resident Engineer’s report (Appendix B). The spike in the faecal coliforms in the sample result of July 5, 2011 was due to damaged UV Bulb in the Bionest sewage treatment plant. With the high coliform count, sewage discharge was stopped, sewage were stored in the sewage lagoon while the UV bulb was being replaced. After replacing the bulb, the sewage was passed from the lagoon through the bionest again. Following the satisfactory result of July 29, 2011, the contractor resumed discharge to SIM-2. For more details, see the Appendix B (g).

Monitoring Program Station - SIM-3

Discharge Point for the Waste Handling Facility

This monitoring program station does not exist because no central waste handling facility was used on CAM-D. Wastes were collected and packaged (locally) at each waste stream location.

Monitoring Program Station - SIM-4

Discharge Point for the Non-Hazardous Waste Disposal Facility located at coordinates (68°35’36.26”N, 91°58’49.46”W)

This monitoring program station does not exist because no discharges occurred from the Non-Hazardous Waste Disposal Facility

APPENDIX D

SOME BEFORE AND AFTER REMEDIATION PHOTOS

Photograph 1. Before: View of Site Debris Area 4 (Main Barrel Cache) prior to surface debris removal.

Photograph 2. After: View of Main Barrel Cache subsequent to surface debris removal.

Photograph 3. Before: View of Site Debris Area 6 (Airstrip) prior to surface debris removal. ↑

Photograph 4. After: View of Airstrip subsequent to surface debris removal. ↑

Photograph 5. Before: Short Range Radar Camp prior to removal and demolition.

Photograph 6. After: Short Range Radar Camp removed; area reshaped to match surrounding terrain.

Photograph 7. Before: View of Pallet Line looking north prior to surface debris removal and contaminated soil excavation. ↑

Photograph 8. After: View of Pallet Line after the completion of debris removal and soil excavation. ↑

Photograph 9. Before: View of Portable Fuel Tanks – Impacted prior to impacted soil excavation. ↑

Photograph 10. After: Excavation complete; reshaped to match surrounding terrain. ↑

APPENDIX E

FINAL INSPECTION REPORT

(Contained in CD-R sent by mail)

APPENDIX F

FINAL CONSTRUCTION SUMMARY REPORT

(Contained in CD-R sent by mail)