

Caduceon Supply Request Packing Slip

Client:	<i>Ituletoy Kimmirut</i>	Date of Request:	<i>Nov 22/12</i>
Contact Name:	<i>Sagigay Temela</i>	Date Required:	<i>ASAP</i>
Telephone Number:	<i>867 939 2247</i>	Date Shipped:	
Project Name:	<i>DW RAN</i>		
Project Number:			
Quote No:			
Shipping Address:	<i>Above by FA First Air</i>		
# of Coolers/Boxes Shipped: <i>1</i>			
Method of Shipment: Client P/U Caduceon Courier Other (specify)			

BOTTLE (w/ or w/o Preservative)	# of Sets	Bottles/Set	Blanks/QC	TOTAL
1 L Glass Amber - Total Bottles <i>Surfactants</i>	<i>1</i>	<i>1</i>		<i>1</i>
PHC (F2-F4) ☐ H ₂ SO ₄ ☐ HCl ☐ None				
SVOC's (specify) _____				
Pesticides ☐ H ₂ SO ₄ ☐ HCl ☐ None				
PCB's ☐ H ₂ SO ₄ ☐ HCl ☐ None				
Oil & Grease ☐ H ₂ SO ₄ ☐ HCl ☐ None				
Other (specify) _____				
1L HDPE Cylinder - Diquat/Paraquat/Glyphosate (w/Na ₂ S ₂ O ₃)				
Other (specify) _____				
1L HDPE Cylinder (w/HNO ₃) - Lead Reg 243, or Reg 170 Community Plumbing Samples				
500 mL PET Wide Mouth - General Chemistry (BOD5, Solids, DOC, Alkalinity, pH, Conductivity, Turbidity, etc)	<i>1</i>	<i>1</i>		<i>1</i>
Other (specify) _____				
250 mL HDPE (specify) _____				
250 mL HDPE (w/HNO ₃) - Metals	<i>1</i>	<i>1</i>		<i>1</i>
250 mL HDPE (w/ H ₂ SO ₄) - Total Bottles				
Nutrients - TP/TKN, Ammonia				
COD				
Other (specify) _____				
250 mL HDPE (w/Ammonium Sulphate Buffer) - CrVI				
250 mL HDPE (w/ NaOH+CH ₃ COO ₂ ZnH) - Sulphide				
250 mL HDPE (w/NaOH) - Cyanide	<i>1</i>	<i>1</i>		<i>1</i>
250 mL Clear or Glass Amber (specify) _____				
250 mL Clear Glass (w/HNO ₃ +K ₂ CrO ₇) - Mercury				
250 mL Clear or Glass Amber (w/H ₂ SO ₄) - Total Bottles				
Nutrients - TP/TKN, Ammonia				
COD				
Phenolics				
TOC	<i>1</i>	<i>1</i>		<i>1</i>
40mL Clear Vial - TOC - 4°C or H ₂ SO ₄				
40mL Clear Vial - DOC - 4°C or H ₂ SO ₄ if field filtered				
300 mL PET Square Sterile (w/ Na ₂ S ₂ O ₃) - Bacteria				
250 mL HDPE Boston Round Sterile (w/ Na ₂ S ₂ O ₃) - Bacteria				
100 mL PS Sterile (w/ Na ₂ S ₂ O ₃) - Bacteria				
120 mL HDPE (specify) _____				
120 mL Glass Amber (specify) _____				

Caduceon Supply Request Packing Slip

Client: <u>Hamlet of Kimmirut</u>	Date of Request: <u>Nov 22/12</u>
Contact Name: <u>Sagigtag Temela</u>	Date Required: <u>ASAP</u>
Telephone Number: _____	Date Shipped: _____
Project Name: _____	
Project Number: <u>Ran waste water</u>	
Quote No: _____	
Shipping Address: <u>Above by First Aia</u>	
# of Coolers/Boxes Shipped: <u>1</u>	
Method of Shipment: ☒ Client P/U ☐ Caduceon ☐ Courier ☐ Other (specify) _____	

BOTTLE (w/ or w/o Preservative)	# of Sets	Bottles/Set	Blanks/QC	TOTAL
1 L Glass Amber - Total Bottles <u>0 + 6</u>	<u>1</u>	<u>1</u>		<u>1</u>
PHC (F2-F4) ☐ H ₂ SO ₄ ☐ HCl ☐ None				
SVOC's (specify) _____				
Pesticides ☐ H ₂ SO ₄ ☐ HCl ☐ None				
PCB's ☐ H ₂ SO ₄ ☐ HCl ☐ None				
Oil & Grease ☐ H ₂ SO ₄ ☐ HCl ☐ None				
Other (specify) _____				
1L HDPE Cylinder - Diquat/Paraquat/Glyphosate (w/Na ₂ S ₂ O ₃)				
Other (specify) _____				
1L HDPE Cylinder (w/HNO ₃) - Lead Reg 243, or Reg 170 Community Plumbing Samples				
500 mL PET Wide Mouth - General Chemistry BOD5, Solids, DOC, Alkalinity, pH, Conductivity, Turbidity, etc)	<u>1</u>	<u>1</u>		<u>1</u>
Other (specify) _____				
250 mL HDPE (specify) <u>TSS</u>	<u>1</u>	<u>1</u>		<u>1</u>
250 mL HDPE (w/HNO ₃) - Metals	<u>1</u>	<u>1</u>		<u>1</u>
250 ml HDPE (w/ H ₂ SO ₄) - Total Bottles				
Nutrients - TP/TKN, Ammonia <u>250</u>	<u>1</u>	<u>1</u>		<u>1</u>
COD				
Other (specify) _____				
250 mL HDPE (w/Ammonium Sulphate Buffer) - CrVI				
250 ml HDPE (w/ NaOH+CH ₃ COO ₂ ZnH) - Sulphide				
250 mL HDPE (w/NaOH) - Cyanide				
250 mL Clear or Glass Amber (specify) _____				
250 mL Clear Glass (w/HNO ₃ +K ₂ CrO ₇) - Mercury				
250 mL Clear or Glass Amber (w/H ₂ SO ₄) - Total Bottles				
Nutrients - TP/TKN, Ammonia				
COD				
Phenolics				
TOC				
40mL Clear Vial - TOC - 4°C or H ₂ SO ₄				
40mL Clear Vial - DOC - 4°C or H ₂ SO ₄ if field filtered				
300 ml PET Square Sterile (w/ Na ₂ S ₂ O ₃) - Bacteria	<u>1</u>	<u>1</u>		<u>1</u>
250 ml HDPE Boston Round Sterile (w/ Na ₂ S ₂ O ₃) - Bacteria				
100 mL PS Sterile (w/ Na ₂ S ₂ O ₃) - Bacteria				
120 mL HDPE (specify) _____				
120 mL Glass Amber (specify) _____				

Gord Murphy

From: Saqitaq [execkim@qiniq.com]
Sent: Thursday, November 22, 2012 2:27 PM
To: gmurphy@caduceonlabs.com
Cc: finkim@qiniq.com
Subject: Extended wastewater testing program
Importance: High

Good day Gord:

I am requesting for two (2) water sampling bottles to two testing required to be completed before two weeks. Can you send sampling bottles for two sampling needed to be sent to your laboratories? I'll speak with our Foreman Miki Lyta to ensure that the two following sampling is done before deadline:

1. Raw drinking water from Water Lake
2. Raw wastewater from sewage pump-out truck

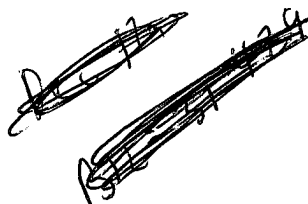
Thank you,

Saqitaq Temela
Acting/S.A.O.
Hamlet of Kimmirut
P.O. Box 120
Kimmirut, Nu X0A 0N0

Ph: 867-939-2247
Fax: 867-939-2045
Email: execkim@qiniq.com

See Attached

Hire

A handwritten signature in black ink, appearing to be 'D. J. ...' followed by a long, horizontal, scribbled line.

Follow for all the
Communities

Licence 3BM-CLY0308/Amendment No.1

Canada's document entitled *Environmental Guidelines for Pits and Quarries*, 1982.

PART H: CONDITIONS APPLYING TO THE MONITORING PROGRAM

Amend
Item 1

The Licensee shall maintain Monitoring Program Stations and implement the Program as described in Schedule I attached to this Licence and conditions under this Part.

Amend
Item 2

The Licensee shall sample water quality at Monitoring Program Stations CLY-4, CLY-5, CLY-6a, CLY-6b and CLY-7 three (3) times annually: once upon commencement, once approximately mid-way through discharge, and once prior discharge ending. Samples shall be analyzed for the following parameters:

	GWC	Biochemical Oxygen Demand – BOD ₅	Faecal Coliforms	— 1 Bacteria
TSS	—	Total Suspended Solids	pH	
		Conductivity	Nitrate-Nitrite	— GWC
IL	—	Oil and Grease (visual)	Total Phenols	
		Magnesium	Calcium	
		Sodium	Potassium	
		Chloride	Sulphate	
		Total Hardness	Total Alkalinity	
NP	—	Ammonia Nitrogen	Total Zinc	
		Total Cadmium	Total Iron	
		Total Cobalt	Total Manganese	
IM	—	Total Chromium	Total Nickel	
		Total Copper	Total Lead	
		Total Aluminum	Total Arsenic	
		Total Mercury	Total Organic Carbon (TOC)	TOC 1

Amend
Item 3

The Licensee shall measure and record in cubic metres, the monthly and annual quantities of water pumped from Monitoring Program Station CLY-1 for all purposes and effluent pump from Monitoring Program Stations CLY-4 and CLY-5.

Amend
Item 4

The Licensee shall measure and record, in cubic metres, the monthly and annual quantities of raw sewage offloaded from trucks at Monitoring Program Stations CLY-3a and CLY-3b.

Amend
Item 6

The Licensee shall, within sixty (60) days of Licence issuance, submit to the Analyst for approval, a Quality Assurance/ Quality Control (QA/QC) Plan, which

Règlement sur le service d'eau public

Chap. P-23

Substances	Maximum concentration - mg/l	Substances	Concentration maximale-mg/l
Alkyl benzene sulfonate (ABS)	0.5	Alkyl benzène sulfonate (ABS)	0.5
Arsenic (As)	0.05	Arsenic (As)	0.05
Chloride (Cl)	250	Chlorures (Cl)	250
Copper (Cu)	1	Cuivre (Cu)	1
Carbon chloroform extract (CCE)	0.2	Produit d'une extraction chloroformique sur charbon (ECC)	0.2
Cyanide (CN)	0.01	Cyanures (CN)	0.01
Fluoride (F)	1.7	Fluorures (F)	1.7
Iron (Fe)	0.3	Fer (Fe)	0.3
Manganese (Mn)	0.05	Manganèse (Mn)	0.05
Nitrate (NO ₃)	45	Nitrate (NO ₃)	45
Phenols	0.001	Phénols	0.001
Sulfate (SO ₄)	250	Sulfate (SO ₄)	250
Total dissolved solids	500	Matières totales dissoutes	500
Zinc (Zn)	5	Zinc (Zn)	5
Barium (Ba)	1	Barym (Ba)	1
Cadmium (Cd)	0.01	Cadmium (Cd)	0.01
Chromium (hexavalent) (Cr ⁶⁺)	0.05	Chrome (hexavalent)(Cr ⁶⁺)	0.05
Lead (Pb)	0.05	Plomb (Pb)	0.05
Selenium (Se)	0.01	Sélénium (Se)	0.01
Silver (Ag)	0.05	Argent (Ag)	0.05

Radioactive Characteristics

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13. (1) The frequency of sampling and analysis for radioactivity shall be determined by the Chief Medical Health Officer in consultation with the Radiation Protection Bureau of the Department of National Health and Welfare, or its successors, after consideration of the likelihood of significant amounts being present.

(2) The effects of human radiation exposure are viewed as harmful and any unnecessary exposure to ionizing radiation should be avoided. Approval of water supplies containing radioactive materials shall be based upon the judgment that the radioactivity intake from such water supplies when added to that from all other sources is not likely to result in an intake greater than the radiation protection guidance recommended by the Radiation Protection Division of the Department of National Health and Welfare, or its successors.

Radioactivité

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13. (1) La fréquence de l'échantillonnage et des analyses aux fins de déterminer le taux de radioactivité est fixée par le médecin-hygiéniste en chef après avoir consulté le Bureau de la radioprotection du ministère de la Santé nationale et du Bien-être social, ou le service qui lui aura succédé, après avoir considéré les probabilités d'une irradiation importante de l'eau.

(2) Les effets dus à l'irradiation des personnes sont considérés comme nocifs et toute exposition inutile à un rayonnement ionisant devrait être évitée. L'approbation d'une réserve d'eau contenant des substances radioactives est basée sur la radio-concentration de l'eau qui, une fois ajoutée à celle des autres sources d'eau, ne doit pas atteindre un total supérieur à la norme établie par la Division de la radioprotection du ministère de la Santé nationale et du Bien-être social, ou le service qui lui aura succédé.