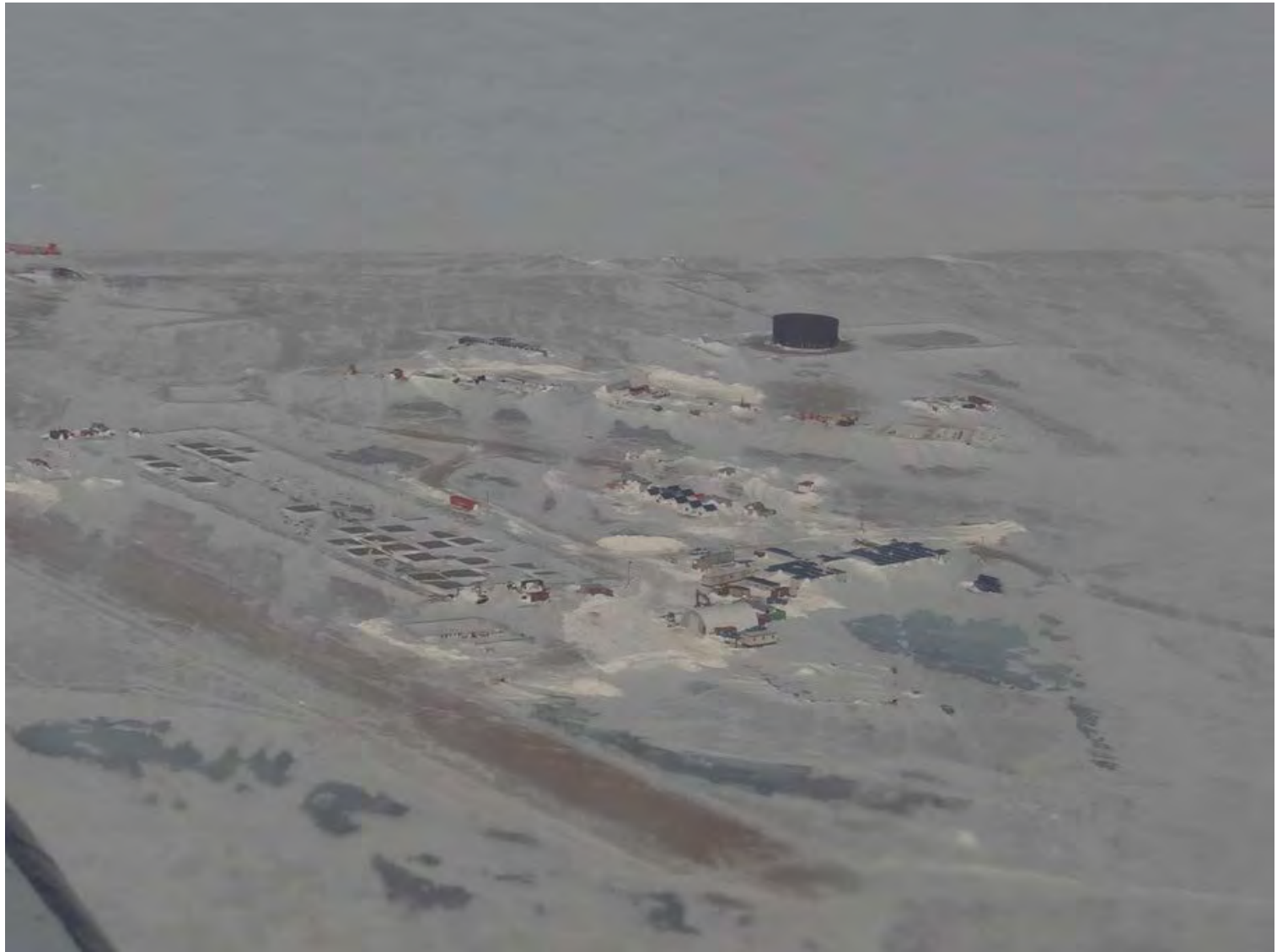


May 2013 Water License Inspection

2BB-MRY1114





Milne Inlet May 4th, 2013



Milne Inlet Waste Water Polishing Pond – Truck Drop



**Single new 5M liter tank containing fuel at time of inspection-
Milne Inlet**



**Fuel Pump Station (not commissioned) locked out
Milne Inlet**



Haz-materials storage area - Milne Inlet



Milne Inlet Bladder farm



Milne Inlet site



Mary River –May 2013



DATE	START	FINISH	TOTAL	DATE	LOCATION
FEB. 23/13	1885800	1891000	5200		CAMP
MAR. 04/13	1891000	1897200	6200		CAMP
12.03.2013	1897200	1900000	2800		CAMP
21.03.2013	1900000	1904800	4800		CAMP
24.03.2013	1904800	1909400	4600		CAMP
APR. 06/13	1909400	1915600	6200		CAMP
APR. 18/13	1915600	1921700	6100		CAMP
29.04.2013	1921700	1929400	7700		CAMP
04.05.2013	1929400	1939600	10200		CAMP

Raw Water Treatment System and usage records – Mary River camp



**Mary River Solid Waste
Management Area**



Mechanic Garage with Secondary Containment at storage locations - Mary River Camp





Mary River STP with UV and completed logs

Baffinland DATE: 04-05-2013

MARY RIVER NRC WASTEWATER TREATMENT INSPECTION LOG
 Submit daily (to be completed by Baffinland Camp Manager)

System Performance Checks

Are there any alarms?	Yes	No	N/A	Corrective Action Taken
Are ice and other obstructions removed from skimmer?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are ice and other obstructions removed from ventilation ports?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are influent, effluent & TSS vent lines warm?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the floats clear of debris?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the UV lights operating?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all the pumps set in auto?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there more than 2" of foam on PST? (Skin is clean)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
When process off of treatment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there oil level at top of skimmer?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is bacteria growing on walls of PST & fill station	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

UV/Lights: Intensity: 0.02 **Shadows require cleaning?** Yes ☐ No ☒ Intensity after cleaning: 0.02

Sodium Hypochlorite: Pump stroke: 1.5 Stroke percent: 0.5 Volume remaining: 14.5 Batch Mixed: 37C

Slime: Pump stroke: 10 Stroke percent: 1.0 Volume remaining: 0.0 Batch Mixed: 56C

Process Performance Checks

Value	Unit	Acceptable Range	Corrective Action Taken
<u>15.6</u>	None	Minimum 7.0	
<u>125729</u>	Litres	Maximum 33,750 L	<u>1257279 (12572811)</u>
<u>24.3</u>	°C	Minimum 17°C	
<u>1.5</u>	Feet	Maximum depth = 2'	
<u>None</u>	Smell		PST sludge pumped <input checked="" type="checkbox"/>
<u>None</u>	Colour	Medium brown	
<u>None</u>	Colour	Medium brown	
<u>None</u>	Colour	Medium brown	
<u>Clear</u>	Solids	Clear - No solids	

Adjustments/Corrective Action/Comments (Document if instructions provided by 3rd party):

FST 24.3 25.4 °C PST 1.5 28.3C FQ 2.00 25.9 °C

Chemical Performance Checks: Monday Operator Available ☒ UV light cleaned ☒

Influent	Value	Unit	Maximum Limit	Effluent	Value	Unit	Acceptable Range
pH	<u>7.7</u>	None		pH	<u>7.7</u>	None	6.0 to 8.5
Temperature	<u>15.6</u>	°C		Temperature	<u>15.6</u>	°C	N/A
COO	<u>1.5</u>	mg/L		COO	<u>1.5</u>	mg/L	N/A
TSS	<u>1.5</u>	mg/L	400	TSS	<u>1.5</u>	mg/L	Maximum 35 mg/L
TKN	<u>1.5</u>	mg/L	65	TKN	<u>1.5</u>	mg/L	N/A
TP	<u>1.5</u>	mg/L	10	TP	<u>1.5</u>	mg/L	N/A

Monthly Logs/Events Taken by Technician: Check box to indicate sample taken ☐

Weekly Ops PFI checklist complete on Monday ☐ Monthly Ops PFI checklist complete 1st day of the month ☐

Adjustments/Corrective Action/Comments (Document if instructions provided by 3rd party):

OPERATOR (please print): _____ SIGN OFF: _____



Mary River Haz Mat Lockers with Up-to date labeling and notifications



Kinked and damaged hose at Mary River Fuel Storage



Mary River Waste Water Polishing Pond #3 – Truck deposit location