

APPENDIX E.8.3

WSCC Inspection Reports

Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00736

Order Number:	2019-CI-00736-001	Status:	Open
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Required Compliance Date: July 31, 2019

Sub-Location: Mary River maintenance steam bay

Observations: During our inspection of the Mary River Mobile Maintenance Steam Bay we observed Oxygen Acetylene cylinder being store against an electrical transformer.

Order: The manager shall ensure flammable gas cylinders are stored upright and secured and kept free from any electrical apparatus and wiring.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 10.136. The manager shall ensure that oxygen and flammable gas cylinders are stored in an upright position in clearly identified and well ventilated storage areas that are kept free from any flammable fumes and materials, electrical apparatus and wiring, and that the stored cylinders are protected from any heat sources in excess of 55° C. R-016-2003,s.131.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00736

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Translation Requests

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Inspection Report

Mining

Report Reference:
Inspection #: 2019-CI-00721

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Inspector Signature

Translation Requests

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Inspection Report

Mining

Report Reference:
Inspection #: 2019-CI-00729

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Translation Requests

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00737

We noted the following areas as opportunities from the inspection:

001 We observed that the working face in front of the loading unit was more than 2 meters higher than the reach of the loading unit.

002 We observed the high wall beside the road leading up to the drill patterns did not have berms on the toe to prevent material from coming out onto the roadway.

003 We observed that the blasting pattern that was being loaded only had signage on one side of the pattern and it needed it on both sides.

004 We observed that the supervisor truck had Jerry cans in the back that were not marked with the chemical stored in them.

I have issued an orders based on our inspection

Inspection concluded at 15:00.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00737

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00740

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

CaryVaughnIngram

Cary.Ingram@wscc.nt.ca

Phone: 1-867-920-3805

MINE

Mary River Mine Site

MINE MANAGER

Michael Anderson

Inspection Date: June 14, 2019

Accompanied By:

<u>Role</u>	<u>Name</u>	<u>Phone</u>	<u>Email/Fax</u>
Officer/Inspector	Cary Ingram	1-867-920-3805	Cary.Ingram@wscc.nt.ca
HSE Manager	Shawn Stevens	1-416-757-9844	

Inspection Details:

On June 14, 2019 at 10:15 I conducted an inspection of the Tormont shop area, I was accompanied by the Manager of HSE and the Mobile Maintenance Manager and Tormont Manager.

We Inspected the tool crib, warehouse area, hose room, main shop floor.

We made the following positive observations at the time of the inspection:

001 We observed all equipment that was being worked on was locked out and tagged.

002 We observed all fire extinguishers and eyewash station that were inspected and ready for use.

003 I observed the hose room was well maintained and all tools and equipment properly stored

004 We observed SDS sheet were available in binder for the workers to review.

We noted the following areas as opportunities from the inspection:

001 We observed that supervisors were not completing a shift log to communicate hazard to oncoming shift.

002 We observed that the storage shelves were missing some of the retainer pins to hold them in place.

I have issued an order based on our inspection

Inspection concluded at 10:35.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-CI-00740

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

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Translation Requests

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00720

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

CaryVaughnIngram

Cary.Ingram@wscc.nt.ca

Phone: 1-867-920-3805

MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 15, 2019

Accompanied By:

<u>Role</u>	<u>Name</u>	<u>Phone</u>	<u>Email/Fax</u>
Officer/Inspector	Cary Ingram	1-867-920-3805	Cary.Ingram@wscc.nt.ca
HSE Manager	Shawn Stevens	1-416-757-9844	

Inspection Details:

On June 15, 2019 at 15:08 I conducted an inspection of the Batch Plant Maintenance area and was accompanied by the Manager of HSE and the Maintenance Supervisor.

We Inspected the Maintenance area, Lunchroom and Maintenance shop.

We made the following positive observations at the time of the inspection:

001 We observed all fire extinguishers and eyewash station that were inspected and ready for use.

002 We observed SDS sheet were available in a binder available on the maintenance floor.

We noted the following areas as opportunities from the inspection:

001 We observed a propane tank that needed to be stored and secured so as no to create a hazard.

I have issued an order based on the inspection

Inspection concluded at 15:30.

Mining

Inspection #: 2019-CI-00720

Order Number:

2019-CI-00720-001

Status:

Open

Required Compliance Date: June 30, 2019

Sub-Location:

Batch Plant Maintenance Shop

Observations:

During our inspection we observed a couple propane tanks that were not stored in a secure place to prevent damage.

Order:

The manager shall ensure flammable gas cylinders are stored in the upright position, clearly identified, and stored in a well ventilated area away from electrical apparatus and wiring and away from any heat source in excess of 55 degrees Celsius.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 10.136.
(1):

The manager shall ensure that oxygen and flammable gas cylinders are stored in an upright position in clearly identified and well ventilated storage areas that are kept free from any flammable fumes and materials, electrical apparatus and wiring, and that the stored cylinders are protected from any heat sources in excess of 55° C. R-016-2003,s.131.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-CI-00720

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

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Translation Requests

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00719

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

CaryVaughnIngram

Cary.Ingram@wscc.nt.ca

Phone: 1-867-920-3805

MINE

Mary River Mine Site

MINE MANAGER

Michael Anderson

Inspection Date: June 15, 2019

Accompanied By:

<u>Role</u>	<u>Name</u>	<u>Phone</u>	<u>Email/Fax</u>
Officer/Inspector	Cary Ingram	1-867-920-3805	Cary.Ingram@wscc.nt.ca
HSE Manager	Shawn Stevens	1-416-757-9844	

Inspection Details:

On June 15, 2019 at 15:35 I conducted an inspection of the 380 Camp at the Milne Port and was accompanied by the Manager of HSE, HSE Coordinator and the Horizon Camp Supervisor.

We Inspected the New tent camp rooms being constructed, dinning hall, main entrance way, and the open tents that are not fully constructed yet

We made the following positive observations at the time of the inspection:

001 We observed all emergency exits had stairs installed for easy exit.

002 We observed the main hallways were clear of any hazards.

003 We observed the dining hall was very clean and well designed for easy access in and out.

We noted the following areas as opportunities from the inspection:

001 We observed there were some area that had tripping hazards from cardboard boxes and wiring.

Mining

Inspection #: 2019-CI-00719

Inspection concluded at 16:00.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00719

Order Number:	2019-CI-00719-001	Status:	Open
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Required Compliance Date: July 15, 2019

Sub-Location: 380 Horizon camp

Observations: There were areas at the 380 camp that were under construction, that had cardboard boxes waiting for disposal as well as electrical wiring that were creating tripping hazard.

Order: The manager shall ensure that inspections of the workplace are conducted and hazards that could endanger persons or property are immediately actioned.

Legislation: Mine Health & Safety Act(Nunavut)

Section 27. Where an inspector is of the opinion that a delay in remedying a hazard would endanger persons or property, the inspector shall issue a written order to the manager requiring the taking of immediate remedial action; or

Inspection Report

Mining

Report Reference:
Inspection #: 2019-CI-00719

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

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Translation Requests

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00730

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

CaryVaughnIngram

Cary.Ingram@wscc.nt.ca

Phone: 1-867-920-3805

MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 15, 2019

Accompanied By:

Role

Officer/Inspector

Name

Cary Ingram

Phone

1-867-920-3805

Email/Fax

Cary.Ingram@wscc.nt.ca

ERT Coordinator

Steve Janknegt

Inspection Details:

On June 15, 2019 at 10:10 I conducted an inspection of the Port Emergency Response Building and was accompanied by the Manager of HSE and the ERT Coordinator.

We Inspected the storage room, main ERT bays, SCBA compressor room and office

We made the following positive observations at the time of the inspection:

001 We observed Trucks were ready for use with no fluid leaks in the bays

002 We observed all fire extinguishers and eyewash station had been were inspected and ready for use.

003 We observed all turnout gear was hung up and stored properly.

004 We observed all SCBA cylinder were within their certified for use.

We noted the following areas as opportunities from the inspection:

001 We observed that there were no rope logs for the rescue rope

002 We observed that the SCBA recharge station did not have the most up to date inspection certificate.

002 We observed that 2 turnout jackets were out of date and waiting replacement.

I have issued orders based on our inspection

Inspection concluded at 10:45.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00730

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

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Translation Requests

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00731

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

CaryVaughnIngram

Cary.Ingram@wscc.nt.ca

Phone: 1-867-920-3805

MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 15, 2019

Accompanied By:

<u>Role</u>	<u>Name</u>	<u>Phone</u>	<u>Email/Fax</u>
Officer/Inspector	Cary Ingram	1-867-920-3805	Cary.Ingram@wscc.nt.ca
HSE Manager	Shawn Stevens	1-416-757-9844	

Inspection Details:

On June 15, 2019 at 13:05 I conducted an inspection of the Mobile Maintenance complex at the Milne Port and was accompanied by the Manager of HSE, Maintenance Supervisor and the Mobile Maintenance Manager.

We Inspected the East and west service bay towers, main shop maintenance shop, and Tormont Dome.

We made the following positive observations at the time of the inspection:

001 We observed all equipment that was being worked on was lock out and tagged as per the regulations

002 We observed all fire extinguishers and eyewash station that were inspected and ready for use.

003 We observed in the Tormont dome all shelving was secured with locking pins in place

004 We observed SDS sheet were available in binders and available in all buildings.

005 We observed the overhead crane had been labeled with the current inspection date.

We noted the following areas as opportunities from the inspection:

001 We observed there was a chain fall missing the retainer latch for the hook

I have issued an order based on our inspection

Inspection concluded at 14:15.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00731

Order Number:	2019-CI-00731-001	Status:	Open
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Required Compliance Date: July 31, 2019

Sub-Location: Milne Port Mobile Maintenance

Observations: During our inspection we noted that one of the chainfalls used for lift was missing the safety latch used to secure a load to the hook.

Order: All lifting devices shall be maintained by a qualified person so that it does not endanger the safety of workers.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 10.126. A lifting device, pulling device or utility hoist and its support or anchorage system shall be maintained by a qualified person so that it does not endanger the safety of workers. R-016-2003,s.124.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-CI-00731

Regulatory Requirements

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Translation Requests

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00732

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

CaryVaughnIngram

Cary.Ingram@wscc.nt.ca

Phone: 1-867-920-3805

MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 15, 2019

Accompanied By:

Role

Officer/Inspector

Name

Cary Ingram

Phone

1-867-920-3805

Email/Fax

Cary.Ingram@wscc.nt.ca

HSE Manager

Shawn Stevens

1-416-757-9844

Inspection Details:

On June 15, 2019 at 11:20 I conducted an inspection of the Qamanittuaq Sana and was accompanied by the Manager of HSE, Hatch Safety, Sana Safety and other Sana and Hatch Supervision.

We Inspected the Sana Crusher, and the quarry drilling and blasting operations.

We made the following positive observations at the time of the inspection:

001 We observed all fencing and signage in place to keep people out from under the belts and crusher areas

002 We observed all Oxygen Acetylene unit had flash arrestors.

003 We observed the walking area around the stacker had been cleaned up to prevent tripping hazards.

004 We observed workers wear the needed respirators because of the dust.

We noted the following areas as opportunities from the inspection:

001 We observed that supervisor assigned to look after the drilling and blast activities did not have the required Shift Boss ticket needed to supervise the work activities

002 We observed that 3 head pulleys on the belt lines did not have the required guarding.

I have issued an order based on our inspection

Inspection concluded at 12:10.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00732

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This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00733

Order Number:	2019-CI-00733-001	Status:	Open
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Required Compliance Date: July 31, 2019

Sub-Location: Milne Port Ship Loader

Observations: During our inspection we observed a drill press that did not have the material vice secured to the table of the drill.

Order: Where it is necessary to remove a guard or fence from equipment the equipment shall be locked out until the guard or fence can be replaced.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 10.20: Where it is necessary to remove a guard or fence from equipment,
(a) the equipment shall be stopped and locked out; and
(b) all guards or fences removed shall be replaced before the lock-out system is removed and the equipment is started.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-CI-00733

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Inspector Signature

Translation Requests

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00728

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

CaryVaughnIngram

Cary.Ingram@wscc.nt.ca

Phone: 1-867-920-3805

MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 16, 2019

Accompanied By:

<u>Role</u>	<u>Name</u>	<u>Phone</u>	<u>Email/Fax</u>
Officer/Inspector	Cary Ingram	1-867-920-3805	Cary.Ingram@wscc.nt.ca
HSE Coordinator	Michael Casey		

Inspection Details:

On June 16, 2019 at 10:10 I conducted an inspection of the Mary River Warehouse and was accompanied by the HSE Coordinator and the Warehouse Supervisor.

We Inspected the main warehouse, lunchroom and office area.

We made the following positive observations at the time of the inspection:

001 We observed all fire extinguishers and eyewash station that were inspected and ready for use.

002 We observed SDS sheet were available in binders available on the floor.

003 We observed that all shelves were marked with the load rating on each shelf

We noted the following areas as opportunities from the inspection:

001 We observed some of the shelving units did not have retainer pins installed

I have issued an order based on our inspection

Inspection concluded at 11:40.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00728

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Inspector Signature

Translation Requests

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Inspection Report

Mining

Report Reference:
Inspection #: 2019-CI-00722

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Inspector Signature

Translation Requests

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00724

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

CaryVaughnIngram

Cary.Ingram@wscc.nt.ca

Phone: 1-867-920-3805

MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 16, 2019

Accompanied By:

Role

Officer/Inspector

HSE Coodinator

Name

Cary Ingram

Michael Casey

Phone

1-867-920-3805

Email/Fax

Cary.Ingram@wscc.nt.ca

Inspection Details:

On June 16, 2019 at 15:36 I conducted an inspection of the Mary River Powder Magazines and was accompanied by the HSE Coordinator, Dyno Noble Supervisor and BIM.

We Inspected the Booster Magazine and the Detonation Cord Magazine.

We made the following positive observations at the time of the inspection:

001 We observed the signs and gate were posted.

002 We observed the floors in the magazines were clean and free of debris

003 We observed the powder truck had the placards showing while transporting product.

We noted the following areas as opportunities from the inspection:

001 We observed that the counts for 5 product out 11 counts taken were not correct.

002 We observed that magazine number PQ0482 was missing it's magazines license.

I have issued orders based on our inspection

Inspection concluded at 16:50.

Mining

Inspection #: 2019-CI-00724

Open

Required Compliance Date: July 31, 2019

Mary River Powder Magazines

During our inspection of the magazines we did a count of product and found that the counts for 5 of the 11 product counted were not accurate. There was mistakes from the previous 2 days in the booster magazine that caused the numbers to be incorrect and incorrect accounting of product in the destination cord magazine. There was no missing product from the magazines.

Each magazine at a mine site shall have a logbook that keeps record of all explosives issued and received and of the inventory of the magazine.

Mine Health & Safety Regulations(Nunavut)

Each magazine shall be operated and maintained in accordance with the following rules: at a mine, a record shall be kept of all explosives issued and received and the inventory of the surface magazine in a logbook, and all entries shall be signed by the authorized person;

Inspection Report

Mining

Report Reference:
Inspection #: 2019-CI-00724

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Translation Requests

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00727

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

CaryVaughnIngram

Cary.Ingram@wscc.nt.ca

Phone: 1-867-920-3805

MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 16, 2019

Accompanied By:

<u>Role</u>	<u>Name</u>	<u>Phone</u>	<u>Email/Fax</u>
Officer/Inspector	Cary Ingram	1-867-920-3805	Cary.Ingram@wscc.nt.ca
HSE Manager	Shawn Stevens	1-416-757-9844	

Inspection Details:

On June 16, 2019 at 14:15 I conducted an inspection of the Mary River Ore Crushing area and was accompanied by the Manager of HSE, HSE Coordinator, Ore Handling Superintendent and Ore Handling Supervisor.

We Inspected the Ore crushing Maintenance shop, Crushers A, B, C and D and all feeder conveyors stacking ore for shipment to the port.

We made the following positive observations at the time of the inspection:

001 We observed all oxygen/acetylene tanks were secured and using flash back arrestors

002 We observed the lunchroom was being cleaned.

004 We observed SDS sheet were available in a binder available on the shop floor.

We noted the following areas as opportunities from the inspection:

001 We observed there were a couple damaged slings that needed to be destroyed

002 We observed that there was a bottom right handrail support missing on a set of stairs for Crusher A

I have issued orders based on our inspection

Inspection concluded at 15:10.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-CI-00727

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Translation Requests

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Mining

Report Reference:

Inspection #: 2019-CI-00735

We noted the following areas as opportunities from the inspection:

001 We observed that there was no way to access one of the emergency exits in the maintenance shop because there was no stairs to access the doorway.

002 We observed a damaged sling in the main shop

003 We observed the eyewash station in the shop had not been inspected to ensure it was safe to use.

004 We observed a couple Jerry cans that were not marked with the chemicals stored in them

005 We observed several propane tanks sitting behind a jersey barrier that needed to be stored in an area where they can be secured and protected from heat or flame.

I have issued orders based on our inspection

Inspection concluded at 12:20.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-CI-00735

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

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Inspection Report

Mining

Report Reference:
Inspection #: 2019-CI-00723

Order Number:	2019-CI-00723-001	Status:	Open
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Required Compliance Date: July 31, 2019

Sub-Location: General Mary River

Observations: During our inspections we identified the Maintenance and Tormont supervisors were not completing a shift log.

Order: Every supervisor shall, within his or her area of responsibility and authority record before the end of every shift in a logbook kept for that purpose, all matters affecting health and safety, making special notes of any unusual or hazardous conditions or deficiencies found during the shift and of any remedial actions taken. This logbook must be signed and countersigned by the on coming shift and discuss the deficiencies with the oncoming shift.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 5.07.(j): Every shift boss or supervisor shall, within his or her area of responsibility and authority, record before the end of every shift in a logbook kept for that purpose, all matters affecting health and safety, making special notes of any unusual or hazardous conditions or deficiencies found during the shift and of any remedial actions taken; and

Section 5.07.(k): Every shift boss or supervisor shall, within his or her area of responsibility and authority, read and countersign all reports of the previous shift and discuss any health and safety matters of concern and any unusual or hazardous conditions or deficiencies with persons under his or her control before deploying them to their work sites.



Workers' Safety
& Compensation Commission

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00723

Inspection Report

Mining

Report Reference:
Inspection #: 2019-CI-00723

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

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Translation Requests

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01280

Order Number: 2019-VM-01280-002 **Status:** Open

Required Compliance Date: December 16, 2019

Contractor: QIKIQTAAALUK SANA LTD

Sub-Location: Sana Crusher Area

Observations: There were several cables without proper identification leaving the generator shack. Some were labeled but only in French.

Order: Ensure all cables are labeled in English, to meet site requirements.

M421-16 4.2.7 Notices to workers Where a hazard exists from inadvertent access to or interference with electrical apparatus, durable notice signs of sufficient size shall be effectively posted and a) prohibit unauthorized personnel from handling or interfering with electrical apparatus; b) warn of danger and indicate the highest voltage in use.

CEC Rule 2-300 General requirements for maintenance and operation 1) All operating electrical equipment shall be kept in safe and proper working condition

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and
(2): electrical equipment shall meet or exceed the requirements of CSA Standard
CAN/CSA M421-93, Use of Electricity in Mines.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01280

Order Number: 2019-VM-01280-003 **Status:** Open

Required Compliance Date: December 16, 2019

Contractor: QIKIQTAAALUK SANA LTD

Sub-Location: Sana Crusher Area

Observations: Cables leaving the generator shack and cables run along the conveyor system were found not supported properly.

Order: Use proper cable supports like cable tray, cable rings etc to make the install safer.

CEC Rule 12-618 and Rule 12-510 armoured cable must be strapped within 300mm of a box and at intervals of 1.5M. Also see **12-120 Supporting of conductors** (see Appendix B) 1) 4)

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and
(2): electrical equipment shall meet or exceed the requirements of CSA Standard
CAN/CSA M421-93, Use of Electricity in Mines.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01280

Order Number: 2019-VM-01280-004 **Status:** Open

Required Compliance Date: December 16, 2019

Contractor: QIKIQTAAALUK SANA LTD

Sub-Location: Sana Crusher Area

Observations: Cables run overhead from seacan to upper conveyor area have no signage indicating height of cables and the highest voltage of the cables.

Order: Install flagging and signs indicating the height of the lowest point of the cable as well as the highest voltage in the cables. Ensure cables are identified so vehicle operators do not hit them or flag the area as “No Vehicles Allowed”.

(CMHSR) 13.01. (1) The electrical system and electrical equipment at a mine shall be (a) designed in accordance with good engineering practice; and (b) constructed in accordance with a design and plans that have been certified by a professional engineer.

(2) Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard **CAN/CSA-M421-93**, Use of Electricity in Mines

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. The electrical system and electrical equipment at a mine shall be

(1):

- (a) designed in accordance with good engineering practice; and
- (b) constructed in accordance with a design and plans that have been certified by a professional engineer.

Section 13.01. Except where otherwise required by these regulations, the electrical system and
(2): electrical equipment shall meet or exceed the requirements of CSA Standard
CAN/CSA M421-93, Use of Electricity in Mines.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-VM-01280

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

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Employer Representative
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Signature

Viktor Mubili

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Inspector Signature

Translation Requests

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01308

OPERATOR

BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Road East
Suite 300
Oakville, Ontario L6H 0C3

MINE

Mary River Mine Site - Milne Port Camp

MINE MANAGER

Sylvain Proulx

INSPECTOR

Viktor Mubili

Inspection Date: July 31, 2019

Inspection Details:

An annual inspection of the electrical facilities at the **Milne Port Camp** Area was conducted on July 31, 2019. Present for the inspection were Shaun Forestall (WSCC Electrical Consultant), Tim Kane (Commissioning Manager), Darryl Finlay (Hatch H&S Coordinator), Harold Audet (Hatch Power & Distribution Superintendent), Darren Gardiner (Hatch H&S Officer) and Jake Anderson (Horizon Electrical Lead).

There were no concerns observed with housekeeping at the Main Camp.

Some concerns were identified and orders issued:

- 001 - Installed ground electrodes not protected from vehicular traffic at Horizon New Camp;
002 - No inspection report available on several small lift station devices at Horizon New Camp;
003 - Seacan by Horizon Camp laydown had uncovered receptacle with damaged cords plugged into it;
004 - Adjacent to Horizon Camp were a generator skid, transformer and seacans with unused cables;
005 - No single line diagram, panel directories and equipment identification at Camp power seacan;
006 - Fire alarm system was not commissioned at time of the inspection;
007 - No fire stop system at penetrations along Horizon Camp corridor; and
008 - Several troubles found on fire alarm panel at the Main Camp/Offices/Kitchen.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-VM-01308

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Viktor Mubili

Inspector Signature

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Una titiraq piinnarialik Inuinnaqtun piyumayaukpat.

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Inspection Report

Mining

Report Reference:
Inspection #: 2019-VM-01310

OPERATOR

BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Road East
Suite 300
Oakville, Ontario L6H 0C3

MINE

Mary River Mine Site - Milne Port Power
MINE MANAGER
 Sylvain Proulx

INSPECTOR

Viktor Mubili

Inspection Date: July 31, 2019

Inspection Details:

An annual electrical inspection was carried out at the **Milne Port Power facilities**. Present on the inspection visit were Shaun Forestall (WSCC Electrical Consultant), Tim Kane (Commissioning Manager), Darryl Finlay (Hatch H&S Coordinator), Harold Audet (Hatch Power & Distribution Superintendent) and Richard Houser (Acting Electrical Supervisor).

There were no concerns observed with housekeeping generally.

Some concerns were identified and orders issued:

- 001 - Inspection stickers at Ship Loader E-House were found falling off;
002 - No equipment and cable identification at Ship Loader E-House;
003 - Out of date sapphire system inspection tags found at Ship Loader E-House;
004 - Exit light found not working at Main Power House; and
005 - Main Power House ground cluster inspection sticker found out of date.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-VM-01310

Order Number: 2019-VM-01310-001 **Status:** Open

Required Compliance Date: December 05, 2019

Sub-Location: Ship Loader E House

Observations: There are inspection stickers that are falling off. These stickers are proof that the equipment has been inspected and that the ground fault relays are working as intended.

Order: Re-attach stickers where required.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard CAN/CSA M421-93, Use of Electricity in Mines.

Report Reference:
Inspection #: 2019-VM-01310

Section 13.01. Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard CAN/CSA M421-93, Use of Electricity in Mines.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-VM-01310

Order Number: 2019-VM-01310-003 **Status:** Open

Required Compliance Date: December 06, 2019

Sub-Location: Ship Loader E House

Observations: The sapphire system inspection tags are out of date. One gauge shows an over charge.

Order: Ensure that inspection and servicing is done on the system ASAP.

CEC Rule 2-300 General requirements for maintenance and operation

- 1) All operating electrical equipment shall be kept in safe and proper working condition.
- 2) Electrical equipment maintained for emergency service shall be periodically inspected and tested as necessary to ensure its fitness for service.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. The electrical system and electrical equipment at a mine shall be
(1):

- (a) designed in accordance with good engineering practice; and
- (b) constructed in accordance with a design and plans that have been certified by a professional engineer.

Section 13.01. Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard CAN/CSA M421-93, Use of Electricity in Mines.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-VM-01310

Order Number: 2019-VM-01310-004 **Status:** Open

Required Compliance Date: December 06, 2019

Sub-Location: Main Power House

Observations: There is an exit light that is not working.

Order: Repair or replace the defective exit light.

CEC Rule 2-300 General requirements for maintenance and operation

- 1) All operating electrical equipment shall be kept in safe and proper working condition.
- 2) Electrical equipment maintained for emergency service shall be periodically inspected and tested as necessary to ensure its fitness for service.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard CAN/CSA M421-93, Use of Electricity in Mines.

Report Reference:
Inspection #: 2019-VM-01310

Section 13.01. Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard CAN/CSA M421-93, Use of Electricity in Mines.

Report Reference:
Inspection #: 2019-VM-01310

Report Reference:
Inspection #: 2019-VM-01303

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01303

Order Number: 2019-VM-01303-003 **Status:** Open

Required Compliance Date: December 05, 2019

Sub-Location: Milne Port Truck Shop

Observations: On the exterior of the truck shop there is a ground plate that is being used as the system ground.

Order: Ensure the plate and its cable is buried to avoid a trip hazard and to meet CEC.

36-302 Station ground electrode (see Appendix B)

1) Every outdoor station shall be grounded by means of a station ground electrode that shall meet the requirements of Rule 36-304

M421-16 13.01. (1) The electrical system and electrical equipment at a mine shall be

- (a) designed in accordance with good engineering practice; and
- (b) constructed in accordance with a design and plans that have been certified by a professional engineer.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and
(2): electrical equipment shall meet or exceed the requirements of CSA Standard
CAN/CSA M421-93, Use of Electricity in Mines.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01303

Order Number: 2019-VM-01303-008 **Status:** Open

Required Compliance Date: December 16, 2019

Contractor: TOROMONT ARCTIC LIMITED

Sub-Location: Toromont Shop

Observations: The disconnect for the pressure washer has an SOW cable that is not installed properly.

Order: Install the cable properly with the proper connector.

CEC Rule 12-3022 Entrance of cables into boxes, cabinets, and fittings

1) Where cables pass through the walls of boxes, cabinets, or fittings, provision shall be made to

- a) protect the insulation on the conductors from damage;
- b) protect terminal connections from external strain;
- c) provide electrical continuity between a metal box, cabinet, or fitting and conduit, armour, or metal sheathing of cables, whether or not the armour or metal sheathing is to be used as a bonding conductor;

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and
(2): electrical equipment shall meet or exceed the requirements of CSA Standard
CAN/CSA M421-93, Use of Electricity in Mines.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-VM-01303

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

Please return a signed copy of this page as confirmation of receipt.

Received By:

Employer Representative
(Print)

Signature

Viktor Mubili

Digitally signed by Viktor Mubili
DN: dc=ca, dc=re, dc=web, dc=corp,
ou=Accounts, ou=User Accounts,
ou=Employees, cn=Viktor Mubili
Date: 2019.11.29 10:42:33 -0700

Inspector Signature

Translation Requests

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Ce document est disponible en français sur demande.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01311

OPERATOR

BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Road East
Suite 300
Oakville, Ontario L6H 0C3

MINE

Mary River Mine Site - Mary River Site

MINE MANAGER

Sylvain Proulx

INSPECTOR

Viktor Mubili

Inspection Date: August 1, 2019

Inspection Details:

An annual inspection of the electrical facilities at the **Mary River Site** was carried out on August 1, 2019. Present on the inspection tour were Shaun Forestall (WSCC Electrical Consultant), Harold Audet (Hatch Power & Distribution Superintendent) and Jeff Harris (Senior Supervisor).

There were no concerns observed with shelf load carrying capacity labels, and the New Truck Shop looked nicely constructed with quality workmanship.

Some concerns were observed and orders issued:

- 001 - Power panels not labeled properly, and several cables not identified at the Water Treatment Plant ;
002 - 15A receptacles not protected by a GFCI at the Water Treatment Plant;
003 - General poor housekeeping at the Water Treatment Plant;
004 - Teck cable affecting egress and could be subject to damage at the Water Treatment Plant;
005 - Several open ended Teck cables on the exterior of building at the New Truck Shop;
006 - Powerhouse panel 4750-PNL-005A missing panel directory at the New Truck Shop; and
007 - Broken receptacle in the Camp Parking Lot.

Report Reference:
Inspection #: 2019-VM-01311

Report Reference:
Inspection #: 2019-VM-01311

Inspection Report

Mining

Report Reference:
Inspection #: 2019-VM-01311

Order Number: 2019-VM-01311-004 **Status:** Open

Required Compliance Date: December 06, 2019

Sub-Location: Water Treatment Plant

Observations: Teck cable near the entrance is affecting egress and could be subject to damage.

Order: Remove Teck cable and store at a proper location.

CEC Rule 2-310 Entrance to, and exit from, working space (see Appendices B and G)

1) Each room containing electrical equipment and each working space around equipment shall have unobstructed means of egress in compliance with the *National Building Code of Canada*.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and
(2): electrical equipment shall meet or exceed the requirements of CSA Standard
CAN/CSA M421-93, Use of Electricity in Mines.

Report Reference:
Inspection #: 2019-VM-01311

Sub-Location:	New Truck Shop
Observations:	There are several open ended Teck cables on the exterior of the building (Future car plugs?).
Order:	Complete install with boxes and make safe.
Legislation:	Mine Health & Safety Regulations(Nunavut)
Section 13.01. (2):	Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard CAN/CSA M421-93, Use of Electricity in Mines.



Inspection Report Mining

Report Reference:
Inspection #: 2019-VM-01311

Order Number: 2019-VM-01311-006 Status: Open

Required Compliance Date: December 06, 2019

Sub-Location: New Truck Shop

Observations: Powerhouse panel 4750-PNL-005A is missing its panel directory.

Order: Create a panel directory and install it in the panel.

CEC Rule 2-300 General requirements for maintenance and operation

- 1) All operating electrical equipment shall be kept in safe and proper working condition.
- 3) At each distribution point, circuit breakers, fuses, and switches shall be marked, adjacent thereto, in a conspicuous and legible manner to indicate clearly.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. (2): Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard CAN/CSA M421-93, Use of Electricity in Mines.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-VM-01311

Order Number: 2019-VM-01311-007 **Status:** Open

Required Compliance Date: December 06, 2019

Sub-Location: Camp Parking Lot

Observations: There is a broken receptacle.

Order: **Replace the broken receptacle.**

CEC Rule 2-300 General requirements for maintenance and operation

1) All operating electrical equipment shall be kept in safe and proper working condition.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard CAN/CSA M421-93, Use of Electricity in Mines.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01311

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Sylvain Prault
Employer Representative
(Print)

Signature

Viktor Mubili

Inspector Signature

Translation Requests

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Inspection Report Mining

Report Reference:

Inspection #: 2019-CI-00979

1. The Mine is maintaining the Ground Control Logbook as noted on review.
2. The raise of the WRD pond embankment is within design and following engineering practices
3. Daily inspection by technical services and Golders annual review are being completed.

Areas Needing Improvement

1. The QMR2 quarry is not being developed as per the submitted designs, or accepted practice.
 - The Mine should submit recised plans for the QMR2 quarry and ensure that they are implemented
2. Designs for the Phase 2 pit should be submitted to WSCC.
3. Rockfall material extends to the edge of the road on the 610-620 Ramp. Further rockfall at this location has the potential to run out onto the traveled surface
 - The Mine should construct a rockfall catch berm or other method to ensure safety of workers
4. A multi-bench mining system was not yet approved for the Phase II pit.
 - The Mine should submit for approval of multi-bench mining system in the Phase II pit with supporting information consistent with accepted practices.
5. Runaway lanes on the Mine Ore haul road need maintenance and marking.
 - The Mine needs to ensure these runaway lanes are maintained and ready for use at all times.
6. Maintenance on the main ore haul road is continuing but a caution is needed to ensure the slope of the road does not promote vehicle sliding towards the outside berm on the road.

Mining

Report Reference:

Inspection #: 2019-CI-00979

- (h) specify ground support systems, including pillars, backfill, timber support, tendon support and any other type of support, the criteria used concerning their selection, dimension, spacing and extent;
- (i) describe measures used and planned to assess potential ground instability;
- (j) include specific precautions to be taken concerning parts of the mine where bodies of water, overburden, tailings, gas, low oxygen or water soaked material may intrude or flood the workings; and
- (k) Include such other information as the chief inspector may require.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-CI-00979

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Employer Representative
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Cary Ingram

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ou=User Accounts, ou=Employees, cn=Cary Ingram
Date: 2019.09.03 09:46:41 -06'00'

Inspector Signature

Translation Requests

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01163

OPERATOR

MAMMOET CANADA EASTERN LTD.

7504 McLean Road East

Puslinch, Ontario N0B 2J0

INSPECTOR

Barb Heming

barb.heming@wscc.nu.ca

Phone: 1-867-445-4426

MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: October 23, 2019

Inspection Details:

October 23, 2019, Senior OHS Inspector/Lead Engineer, Fred Bailey and I completed an inspection regarding a serious incident that resulted in significant injuries to a worker.

During our inspection, it was identified that the injured worker was working in a supervisory role at the time of the incident and was a direct employee of Mammoet Canada Eastern Ltd. Conversation with the Mammoet Health and Safety Advisor confirmed that they were the employer of the injured worker and that while at this job site, Mammoet workers were required to follow the safety program of Aecon Construction Group Inc. (another subcontractor at the work site).

Conversation with the Mammoet Health and Safety Advisor on site confirmed the following documentation was not available for review at the time of the inspection.

- All certificates and proof(s) of competency including Mine Supervisor certificates, Crane Operator certificates, Fall protection/working from heights, Aerial Platform, etc
- Employee Orientation from Mammoet
- Time of hire paperwork
- Disciplinary or other Performance Management documentation
- Any Safe Work Practices or Safe Job Procedures specific to the winterization of a crane
- Manufacturers specifications indicating the presence or location of engineered anchor points on the crane involved in the incident.



Workers' Safety
& Compensation Commission

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Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01163

Directions have been issued as a result of this inspection. Procedures for informing the WSSCC of compliance with the issued directions, or appealing of one or more of those directions, can be found on the last page of this report. The employer shall ensure the Record of Compliance (last page of this report) is submitted to me before the assigned date.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01163

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

Please return a signed copy of this page as confirmation of receipt.

Received By:

Employer Representative
(Print)

Signature

Inspector Signature

Translation Requests

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Ce document est disponible en français sur demande.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01161

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Barb Heming

barb.heming@wscc.nu.ca

Phone: 1-867-979-8524

MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: October 23, 2019

Accompanied By:

<u>Role</u>	<u>Name</u>	<u>Phone</u>	<u>Email/Fax</u>
Officer/Inspector	Barb Heming	1-867-979-8524	Barb.Heming@wscc.nu.ca
Secondary Officer/Secondary Inspector	Fred Bailey	1-867-669-4430	Fred.Bailey@wscc.nt.ca
Employer Representative	Keith Winship	1-647-253-0596 x 6702	Keith.Winship@baffinland.com
Worker's Representative	Dennis Linden		
Employer Representative	Darryl Finlay		

Inspection Details:

October 23, 2019, Senior OHS Inspector/Lead Engineer, Fred Bailey and I completed an inspection regarding a serious incident that resulted in significant injuries to a worker.

During our inspection, it was identified that the injured worker was working in a supervisory role at the time of the incident and was a direct employee of Mammoet Canada Eastern Ltd. Conversation with all supervisors at this work site confirmed that Mammoet Canada Eastern Ltd was subcontracting to Aecon Construction Group Inc., Aecon Construction Group Inc. was subcontracting to Hatch Ltd. and Hatch Ltd. was performing services to Baffinland Iron Mines Corporation.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01161

Additional directions have been written to both Mammoet Canada Eastern Ltd. and Aecon Construction Group Inc. Copies of these directions are provided in addition to this report.

During our inspection several positive items were observed including:

- An internal investigation report has been started which includes input from all of the involved parties and a clear plan to communicate these results with both the Mine Manager and the WSCC.
- The location of the incident had been well preserved and protected as required.
- A worker member of the Occupational Health and Safety Committee was in attendance and participated throughout the inspection process.

The following observations require attention:

- An incident investigation had not yet been fully completed nor submitted to the WSCC for review.
- Occupational Health and Safety Meeting minutes were not available in the Milne Port site Project office and it was unclear how this Committee information was shared with these workers.

Directions have been issued as a result of this inspection. Procedures for informing the WSCC of compliance with the issued directions, or appealing of one or more of those directions, can be found on the last page of this report. The employer shall ensure the Record of Compliance (last page of this report) is submitted to me before the assigned date.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01161

Order Number:	2019-VM-01161-001	Status:	Open
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Required Compliance Date: November 08, 2019

Observations: An incident investigation had not yet been fully completed nor submitted to the WSCC for review.

Order: The Mine Manager shall prepare and submit an incident investigation to the Inspector(s) named on this report in addition to all other required parties as identified in 16.06(2).

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 16.06. On completion of the investigation, the manager shall have a report prepared that

(1):

- (a) where possible, identifies the causes of the reportable incident or dangerous occurrence;
- (b) identifies any unsafe conditions, acts or procedures which contributed in any manner to the reportable incident or dangerous occurrence; and
- (c) makes recommendations that may prevent similar accidents.

Section 16.06. The manager shall sign the report and
(2): (a) send the report to the Committee for review and approval; and
(b) send the approved report to the chief inspector and the union local, if any.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01161

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Please return a signed copy of this page as confirmation of receipt.

Received By:

Employer Representative
(Print)

Signature

Inspector Signature

Translation Requests

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Ce document est disponible en français sur demande.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01162

OPERATOR

AECON CONSTRUCTION GROUP INC.

Payroll Accounting (1023_1098)
20 Carlson Court, Suite 105
Toronto, Ontario M9W 7K6

INSPECTOR

Barb Heming
barb.heming@wscc.nu.ca
Phone: 1-867-979-8524

MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: October 23, 2019

Inspection Details:

October 23, 2019, Senior OHS Inspector/Lead Engineer, Fred Bailey and I completed an inspection regarding a serious incident that resulted in significant injuries to a worker.

During our inspection, it was identified that the injured worker was a direct employee of Mammoet Canada Eastern Ltd and that Mammoet Canada Eastern Ltd was a subcontractor to Aecon Construction Group. Conversation confirmed that the Aecon Construction Group Mechanical Superintendent was responsible for providing direction to Mammoet Canada Eastern Ltd. at the time of the incident. Further conversation confirmed that Mammoet Canada Eastern Ltd. was required to comply with the Aecon Construction Group safety program while performing work at this work site.

Documentation was requested during the inspection was not available at the work site at the time of inspection. This documentation includes the following:

- Any and all meeting minutes used to document the morning supervisor meeting from Oct 13th through 20th, 2019
- Any and all "JAR" cards or other forms of documented hazard assessment completed Oct 20, 2019.
- Any Safe Work Practices or Safe Job procedures that may have been documented or completed in regards to the winterization of the Mammoet Cranes.
- Any Working from Heights or Fall Protection procedures.

Directions have been issued as a result of this inspection. Procedures for informing the WSCC of compliance with the issued directions, or appealing of one or more of those directions, can be found on

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01162

the last page of this report. The employer shall ensure the Record of Compliance (last page of this report) is submitted to me before the assigned date.



Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01162

- (c) of the general condition of equipment, tools and protective equipment and devices;
- (d) of the use of protective equipment and devices;
- (e) of the condition of refuge stations;
- (f) of the adequacy of ventilation;
- (g) for the presence of hazardous gases and toxic fumes;
- (h) of the security of ground conditions and effectiveness of the support;
- (i) of the emergency arrangements including safe means of egress;
- (j) of the provisions to ensure that work procedures are being properly followed;
- and
- (k) of any other matter that affects health and safety.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01162

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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(Print)

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Inspector Signature

Translation Requests

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Ce document est disponible en français sur demande.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-FB-01279

OPERATOR

BAFFINLAND IRON MINES CORPORATION
300 - 2275 Upper Middle Road East
Attn: Annu Sira
Oakville, Ontario L6H 0C3

MINE

Mary River Mine Site
MINE MANAGER
Sylvain Proulx

INSPECTOR

Fred Bailey

Inspection Date: November 20, 2019

Inspection Details:

An audit of the ERT program was carried out on November 20th and 21st, 2019 at the Mary River mine site and Milne Inlet port site respectively. The bays within the ERT building were clean, well-organized and ready for response. Both sites were found to have sufficient levels of trained members and it was noted that recruitment drives are ongoing. A general review of the training program was provided and was found to be acceptable and well suited to the requirements of the sites. It was good to see upgrades to the breathing apparatus are taking place and the creation of the individual binders for members training and certification records are well organized which makes control and audit a simple task.

No concerns were noted with respect to the ERT program and all are to be commended for the positive attitude and support for this facet of Mine Safety at Baffinland.

Inspection Report

Mining

Report Reference:

Inspection #: 2019-FB-01279

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Received By:

**Employer Representative
(Print)**

Signature

Signature
Fred Bailey

Inspector Signature _____

Translation Requests

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- 1 of 14 -



Inspection Report Mining

Report Reference:
Inspection #: 2019-FB-01299

The warehouse had identified hazardous materials, implemented controls and had the SDS binder readily accessible.

Mine operations had identified an area with low visibility on the haul road and implemented controls so powered mobile equipment operators could see each other when passing.

There is good communication between operators on the tote road and the road was in good condition.

A Health and Safety Coordinator had identified a speeding B train and corrected the action on the spot.

Maintenance shops were clean and tidy.

Local ventilation is installed in the new maintenance shop.

Lock out/Tag out system was observed on the powered mobile equipment being serviced at Milne Inlet maintenance shop.

During the inspections the following opportunities for improvement were noted:

Mary River Crusher: Eye flushing station located in the lube shack blocked by debris and inaccessible to workers. The fire suppression system in tower B needed to be recharged and was not rescue ready. The third party contractor was on-site at the time of this inspection conducting the annual certification of the fire protection systems.

Mary River Batch Plant: Fire extinguisher was blocked by debris and inaccessible to the workers.

Mary River Incinerator: The hand rails had been removed from the pad at the incinerator. The air-supplied respirator used to enter the incinerator was covered in ash and not receiving regular maintenance or a pre-use inspection.

Mary River Power Generation: The fire cabinet had aerosols mixed with flammable liquids. PPE gloves located in switch house # 2 are expired. A beam trolley chain hoist has not been receiving pre-use inspections.

Milne Inlet Maintenance Shop: Spyder Crane CRN 005 did not have the annual certification with the lifting device.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-FB-01299

Milne Inlet Batch Plant: Improper storage of flammable liquid.Ge: Slings were observed in damaged states and available for workers to use. Fall protection harnesses were observed in damaged states and available for workers to use. Wheeled fire extinguishers were observed blocked by debris and inaccessible to workers. Fire pull stations were blocked in by frost fighter heaters.

Directions have been issued as a result of this inspection. Procedures for informing the WSCC of compliance with the issued directions, or appealing of one or more of those directions, can be found on the last pages of this report. The employer shall ensure the Record of Compliance (last page of inspection report) is submitted to me on or before the assigned date.

Inspection and debrief concluded on November 22nd at 1600hrs.

Report Reference:
Inspection #: 2019-FB-01299

Required Compliance Date: December 12, 2019

Observations:	I observed the eye wash station located at the Mary River Crusher blocked in by debris and inaccessible to workers.
Order:	The manager shall ensure where there is potential for eye injuries that eye wash stations are located and free of debris so they are readily accessible to workers.
Legislation:	Mine Health & Safety Regulations(Nunavut)
Section 9.27. (1)(b):	Where there is potential for injury by eye contact, a manager shall provide, at or near the exposure site, the appropriate hygiene facilities including portable eye wash stations or eye wash fountains and maintained in a hygienic and working condition.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-FB-01299

Order Number: 2019-FB-01299-002 **Status:** Open

Required Compliance Date: January 03, 2020

Observations: The hand rails located at the Mary River Incinerator had been removed from the platform.

Order: The manager shall establish procedures to ensure hand rails are being used until a similar solution as at the Port is implemented.

Legislation: Mine Health & Safety Act(Nunavut)

Section 10. (2): The manager shall

- (a) comply with this Act and the regulations and any orders or directives issued under this Act or the regulations;
- (b) ensure that the requirements of this Act and the regulations are met in the operation of the mine; and
- (c) ensure that any orders and directives issued under this Act or the regulations are complied with in the operation of the mine.

Report Reference:
Inspection #: 2019-FB-01299

Report Reference:
Inspection #: 2019-FB-01299

Order Number: 2019-FB-01299-004 **Status:** Open

Required Compliance Date: December 05, 2019

Observations: I observed an aerosol can stored with flammable liquids in the flammable cabinet located at the Power Generation workshop.

Order: The manager shall establish procedures to ensure aerosols are not stored with flammable liquids.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 9.08. (2): The manager shall ensure that all dangerous or potentially hazardous materials are stored in containers that are

- (a) designed, constructed and maintained in such a manner as to ensure proper containment of their contents under the environmental conditions in which they are stored; and
- (b) kept sealed or covered when not in use and arranged so that they cannot be dislodged, fall or suffer any other damage.

Report Reference:
Inspection #: 2019-FB-01299

Inspection Report

Mining

Report Reference:
Inspection #: 2019-FB-01299

Order Number: 2019-FB-01299-007 **Status:** Open

Required Compliance Date: December 05, 2019

Observations: I observed improper storage of flammable liquids in the Milne Inlet Batch Plant.

Order: The manager shall establish procedures to ensure flammable liquids are stored properly.

Legislation: Mine Health & Safety Act(Nunavut)

Section 10. (2): The manager shall

- (a) comply with this Act and the regulations and any orders or directives issued under this Act or the regulations;
- (b) ensure that the requirements of this Act and the regulations are met in the operation of the mine; and
- (c) ensure that any orders and directives issued under this Act or the regulations are complied with in the operation of the mine.

Report Reference:
Inspection #: 2019-FB-01299

Report Reference:
Inspection #: 2019-FB-01299

Inspection Report

Mining

Report Reference:
Inspection #: 2019-FB-01299

Order Number: 2019-FB-01299-010 **Status:** Open

Required Compliance Date: March 31, 2020

Observations: I observed wheeled fire extinguishers and fire pull stations blocked in by debris and inaccessible to the workers and the fire suppression at the Mary River Crusher was not re-charged and therefore not rescue ready.

Order: The manager shall ensure that procedures to ensure fire protection equipment is adequately inspected, located and accessible to protect the health and safety of the workers are established and being followed. The fire extinguishers and pull stations are to be cleared of debris, relocated or otherwise made accessible as soon as possible.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 12.16. The manager shall ensure that all fire fighting equipment provided at the mine is maintained by an authorized person.

Section 12.16. The manager shall ensure that all fire fighting equipment provided at the mine is inspected by an authorized person at least once each month and that the results of the inspection are

(2):

- (a) noted on the fire fighting equipment's tag;
- (b) entered in a logbook kept for that purpose; or
- (c) entered in the mobile equipment logbook. R-008-2003,s.141.

Report Reference:
Inspection #: 2019-FB-01299

Inspection Report

Mining

Report Reference:

Inspection #: 2019-JP-01316

Order Number:	2019-JP-01316-001	Status:	Open
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Required Compliance Date: December 09, 2019

Observations: A 777 haul truck lost control while hauling aggregates uphill on the Mine Haul Road resulting in a Dangerous Occurrence.

Order: The manager shall provide to the WSCC the following information:

The training records for the pit Supervisor on-shift during the incident.

The training records for the 777 haul truck operator.

The operator's manual for the 777 involved in the incident.

The road maintenance procedure for the Mine Haul Road.

Legislation: Mine Health & Safety Act(Nunavut)

Section 21. An inspector may, for purposes of an investigation or inspection, examine and remove, for the purpose of making copies, any plan, specification, maintenance log, electronic data or other document

Inspection Report

Mining

Report Reference:

Inspection #: 2019-VM-01400

OPERATOR

BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Road East
Suite 300
Oakville, Ontario L6H 0C3

MINE

Mary River Mine Site - Emulsion Plant

MINE MANAGER

Sylvain Proulx

INSPECTOR

Viktor Mubili

Inspection Date: December 11, 2019

Accompanied By:

Role

Secondary Officer/Secondary
Inspector

Name

Vicki Lloyd

Inspection Details:

A general inspection was conducted at the **Mary River Emulsion Plant and Cap Magazine**. Present for the inspection visit were Vicki Lloyd (WSCC Inspector), Blaine Taylor (BIM H&S Officer), Jamie Brewer (Dyno Site Supervisor) and Dakota Grant (Dyno Blaster).

There were no concerns observed with eyewash stations, fire extinguisher inspection tags, shelf carrying-capacity labels, supervisor certificates and the Cap Mag. The supervisors wondered why the new supervisor certificates no longer have certificate numbers like the previous ones. It should be noted that the long number at the bottom of the new supervisor certificate is now the certificate number.

Some concerns were observed and orders issued:

- 001 - No trip hazard warning for raised door jam;
002 - Blocked exit door and fire hydrant;
003 - There was found a number of unlabeled Teck cables;
004 - Teck cable tray appeared not bonded or improperly bonded;
005 - Pump skid in the quality control room not bonded; and
006 - General poor housekeeping in the Plant.

Inspection Report

Mining

Report Reference:
Inspection #: 2019-VM-01400

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

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Signature

Viktor Mubili

Inspector Signature

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Inspection Report

Mining

Report Reference:
Inspection #: 2019-VM-01398

Regulatory Requirements

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Viktor Mubili
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ou=Employees, c=Viktor Mubili
Date: 2019.12.18 15:49:55 -0700

Inspector Signature

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