

NWB Annual Report

Year being reported:

Select ▼

2018

License No: 2BE-STO1520

Issued Date: June 2, 2015

Expiry Date: June 1, 2020

Project Name: Aston Bay Project or Storm Project

Licensee: Aston Bay Holdings Ltd

Mailing Address: 303-80 Richmond St. W
Toronto, ON M5H 2A4

Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):

APEX Geoscience Ltd. - Approved Consultant working on the Aston Bay Project for Aston Bay Holdings Ltd.

General Background Information on the Project (*optional):

A project summary is included in the updated Spill Prevention and Response Plan, and Abandonment and Restoration Plan (attached).

Licence Requirements: the licensee must provide the following information in accordance with

Part B ▼

Item 2 ▼

A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.

Water Source(s):	Aston River (plus other local sources for drilling)	
Water Quantity:	2 m3 /day	Quantity Allowable Domestic (cu.m)
	1.37 m3/day (average)	Actual Quantity Used Domestic (cu.m)
	= 72.77 m3	
	80 m3 /day	Quantity Allowable Drilling (cu.m)
	75.8 m3 /day (average)	Total Quantity Used Drilling (cu.m)
	= 4088 m3	

Waste Management and/or Disposal

- ☒ Solid Waste Disposal
☒ Sewage
☒ Drill Waste
☐ Greywater
☐ Hazardous
☐ Other:

Additional Details:

Camp water was drawn from the Aston River for cooking and cleaning. Drinking water was flown in from Yellowknife/Resolute in 5 gallon jugs. A total of 72.77 m³ of water was drawn from the Aston River for camp use between June 24 and August 15, 2018, averaging 1.37 m³ per day. During this time running water, laundry and showers were available in camp. Water was drawn from the river using a 5.5 HP gas powered pump. The pump intake hose was equipped with a mesh screen to ensure fish were not entrained. When in use, during fueling or in transit, the pump was placed in a plastic spill tray. When not in use, the pump was stored in camp within secondary containment. No fuel was stored at the pump site and all fueling was completed in camp. Water volumes were measured using markings on the water storage tanks at 50 gallon increments. The volumes were recorded in a daily log by the camp foreman.

Prior to June 24 during mobilization, the camp water tanks were empty and the imported 5 gallon water jugs were used for all camp purposes. After August 15, no additional water was pumped from the Aston River. The remaining water in the tanks was used during demobilization.

Grey water from the kitchen and each dry was piped to excavated sumps behind the buildings and over 100 m from the nearest water body. A grease trap was used for the kitchen sump. The trap was emptied as needed and the contents were sealed in 5 gallon pails and removed from site. The grease trap was removed from site at the end of the season.

All combustible waste was incinerated on site using a batch feed dual-chamber controlled air incinerator. Residual waste (ash) was sealed in metal 5 gallon pails and removed from site for disposal. All non-combustible and hazardous wastes were sealed in appropriate containers and removed from site for proper disposal. Pacto toilets were used during the 2018 program. Pacto toilets utilize plastic "sausage" bags to collect and store sewage. All pacto bags were incinerated.

Water for the drills was drawn from the Aston River or its tributaries, or local lakes. Each drill was equipped with a flow meter to monitor water use (Appendix 3, Photo 8). Approximately 10,000 gallons (37.9 m³) of water was used per day at each drill between June 28 and August 20, 2018, totaling 4088 m³. Diesel supply pumps were used to supply water to the drill. The pump intake hose was equipped with a mesh screen to ensure fish were not entrained.

Recirculation systems were used to minimize the amount of water used and cuttings deposited on the land around drill sites. Return from the drill was directed into natural depressions within porous boulder fields. All drill cuttings collected in the recirculation system were deposited in natural depressions or, when possible, back down the open drill hole. Any drill casings that could not be removed were cut down to ground level and sealed. No artesian flow was encountered.

A list of unauthorized discharges and a summary of follow-up actions taken.Spill No.: (as reported to the Spill Hot-line)Date of Spill: Date of Notification to an Inspector:

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Revisions to the Spill Contingency Plan

SCP addendum attached for Board consideration ▼

Additional Details:

Revisions to the Abandonment and Restoration Plan

AR addendum attached for Board consideration ▼

Additional Details:

Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

Progressive reclamation included keeping work areas clean and removing wastes from work sites daily. All wastes were stored in appropriate containers for later incineration or removal. The camp and all drill sites were inspected by the site supervisors for cleanliness and any sign of contamination prior to the close of the field program. All sites were deemed acceptable.

Any drill casings from the 2018 program that could not be removed were cut down to ground level. Removal of protruding casing from previous operators is ongoing.

Results of the Monitoring Program including:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

Details attached ▼

Additional Details:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Details attached



Additional Details:

See attached "GPS Coordinates" sheet

Results of any additional sampling and/or analysis that was requested by an Inspector

No additional sampling requested by an Inspector or the Board



Additional Details: (date of request, analysis of results, data attached, etc)

Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.

No additional sampling requested by an Inspector or the Board



Additional Details: (Attached or provided below)

Any responses or follow-up actions on inspection/compliance reports

Inspection Report received by the Licensee (Date):



Additional Details: (Dates of Report, Follow-up by the Licensee)

The Inspection Report was received on December 6, 2018. No instances of non-compliance were recorded; however, action is required for future programs.

During the 2016 and 2018 drilling programs, cuttings were deposited into porous boulder fields and natural depressions. This practice was deemed acceptable during previous inspections. At the request of the inspector in 2018, sumps are to be constructed to contain cuttings during future programs. In addition, removal of legacy drill casings will continue.

Any additional comments or information for the Board to consider

See attached "2018 CIRNAC Land Use Annual Report" for additional details.

Date Submitted:	January 11, 2019
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