NWB Annual Report **Year being reported:** 2024

License No: 2BE-STO2025 **Issued Date:** August 17, 2020
Expiry Date: August 16, 2025

Project Name: Aston Bay Project or Storm Project

License Aston Bay Holdings Ltd.

Mailing Address:
204-80 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

General Background Information on the Project (*optional):

Licence Requirements: the licensee must provide the following information in accodance 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 & Tributaries	
Water Quantity:	10	Quantity Allowable Domestic (cu.m)
	3.07m3/day (average)= 378.2m3	Actual Quantity Used Domestic (cu.m)
	289	Quantity Allowable Drilling (cu.m)
	13.2m3/day (average)= 1,465.59m3	Total Quantity Used Drilling (cu.m)

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 purchased and flown in from Yellowknife/Resolute in 5 gallon jugs. A filtering system was added for the summer program to use the local water for drinking.

During the spring program, the Aston River was frozen through, so water could not be drawn. Water was instead drawn from a lake above the camp, at approximate coordinates 73°40'05" N latitude and 94°27'17" W longitude. A mesh screen was in place at all times over the pump intake to ensure fish were not entrained. Water was only taken from this location so long as the Aston River was frozen through, and camp supply was drawn from the Aston River for the whole of the summer program. A total of 34.07m³ of water were drawn from the lake ad flown to the camp in the spring between April 11 and May 21, 2024, averaging 0.83m³ per day.

A total of 344.13m³ of water was drawn from the Aston River for camp use between June 21 and September 10, 2024, averaging 4.20m³ 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 or an electric trash 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 (Appendix 4 in 2024 CIRNAC Annual Report).

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 gal. The grease trap was removed from site at the end of the 2024 program. No leaks or overflows were observed in any of the sumps.

All combustible wastes were incinerated on site using a batch feed dual-chamber controlled air incinerator. Any residual waste (ash) was sealed in 5-gallon metal pails. Pacto toilets were used to collect sewage. All pacto bags were incinerated on site using a batch feed dual-chamber controlled air incinerator.
Water for the drill was drawn from a tributary of the Aston River. The drill was equipped with a flow meter to monitor water use. Approximately 13.2 m3 of water was used per day at the drill between July 10 and September 8, 2024, totalling 1,465.59 m3. The pump intake hose was equipped with a mesh screen to ensure fish were not ensnared.

Recirculation was used to minimize the amount of water used and cuttings deposited. Cuttings were allowed to settle in tanks prior to deposition. Water was syphoned off and reused, and cuttings were shovelled out of the tanks. All drill cuttings collected were placed in natural sumps as solids 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 encounteredCamp water was drawn from the Aston River for cooking and cleaning. Drinking water was purchased and flown in from Yellowknife/Resolute in 5 gallon jugs. A filtering system was added for the summer program to use the local water for drinking.

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A list of unauthorized discharges and a summary of follow-up actions taken.

Spill No.: 2024238 (as reported to the Spill Hot-line)
Date of Spill: June 24, 2024
Date of Notification to an Inspector: June 24, 2024
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

On June 24, 20204 at 16:00, a 205L diesel drum fell from barrel slings from a helicopter when being transported from the airstrip to Storm camp. The drumm fell on snow in an inactive channel of the Aston River, ~2m elevation above the flowing river, and approximately 50-60m south from the river. Diesel was spilled from the drum, which was damaged on impact. All contaminated snow, ice and soil was removed and placed into spil barrels. Booms were placed 20m downstream from three spill kits spread across the channel width in case of any melt water at the edges of the channel. The channel was still frozen in the center - a trench was dug throught the ice downstream to place the booms. Further deatils will be provided in the 2024 CIRNAC Annual Report which is still being finalized but will be provided to the NWB once submitted.

Revisions to the Spill Contingency Plan

SCP submitted and approved - no revision required or proposed

Additional Details:

No changes have been made to the Aston Bay Spill Prevention and Response Plan

Revisions to the Abandonment and Restoration Plan

AR plan submitted and approved - no revision required or proposed

Additional Details:

No changes have been made to the Aston Bay Abandonment and Restoration Plan

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 was 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.

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:

See attached "GPS Coordinates" Sheet.

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)

N/A

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)

N/A

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)

An Inspection was completed onsite in early July. The report from the inspector is still pending. Once finalized, the report and any follow up requirements will be discussed and addressed in the 2024 CIRNAC Annual report.

Any additional comments or information for the Board to consider

Additional details will be provided in the 2024 CIRNAC Annual Report. A copy of the report will be sent to the NWB once completed and submitted to CIRNAC.

Date Submitted:	November 25, 2024	
Submitted/Prepared by:	Chris Livingstone	
Contact Information:	**Tel:**	778-847-7450
	Fax:	
	email:	clivingstone@apexgeoscience.com

GPS Coordinates for water sources utilized

Source Description	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec
Aston River (camp)	73	39	31.5	94	27	11.5
Aston River tributary (camp)*	73	40	5	94	27	17
Aston River tributary (drill)	73	39	9.15	94	11	19
Aston River tributary (drill)	73	38	36.1	94	5	7.8
Aston River tributary (drill)	73	39	7	94	4	39.7
Aston River tributary (drill)	73	38	41	94	4	35.5

GPS Locations of areas of waste disposal

Location Description (type)	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec
Camp grey water sumps (4)	73	39	23.8	94	27	5.2
Drillholes SM24-01/01A (cuttings)	73	38	43.5	94	4	23.1
Drillholes SM24-02/02A (cuttings)	73	38	42.9	94	4	34.2
Drillholes SM24-03/03A/03B/03C (cuttings)	73	39	28.8	94	6	47
Drillholes SM24-04/04A (cuttings)	73	39	28.5	94	7	3.7
Drillholes SM24-05/05A (cuttings)	73	39	26.6	94	7	23.7
Drillhole ST24-01 (cuttings)	73	39	17.5	94	7	22.5
Drillhole ST24-02 (cuttings)	73	38	39.6	94	5	40.1
Drillhole ST24-03 (cuttings)	73	39	8.6	94	11	6.1

*During the Spring program, the Aston River was frozen through. Water was instead drawn from a lake above the camp. A mesh screen was used on the pump intake at all times. Water was only taken from this location while the Aston River was frozen. Water was drawn from the Aston River for the whole