

**Minutes of a Meeting of the Environmental Authority
Held on Wednesday, 20 February 2025
At the Department of Environment and Natural Resources, Botanical Gardens, Paget
and Remotely using Teams Teleconference**

PRESENT: Ms. Davida Morris, Chair
Ms. Debby Correia, Member
Dr. Tom Sleeter, Member
Mr. Jonathan Starling, Member

ADVISORS: Dr. Geoff Smith, Environmental Engineer, DENR
Ms. Patricia Hollis, Environmental Officer, DENR
Dr. Shaun Lavis, Hydrogeologist, DENR
Ms. Crystal Baxter, Environmental Health Officer
Mr. Tarik Christopher, Acting Chief Engineer, Public Works (remote access)

ABSENT: Mr. Andrew Barnes, Member
Mr. James Morrison, Member
Mr. Eugene Saunders, Deputy Chair
Mr. Paul McDonald, Senior Planning Officer, Dept. of Planning
Mr. Armell Thomas, Acting Chief EHO

1. Welcome to New Members

Two new members, Ms. Debby Correia and Dr. Tom Sleeter, were welcomed to the Environmental Authority.

2. Confirmation of Minutes

Minutes of the meeting No. 399 held on 30 October 2024 were signed, minutes of the meeting No. 400 held on 27 November 2024 were approved and signed by the Chair.

3. MATTERS ARISING

3.1 BELCO Complaints – November 2024- January 2025

The Authority **TOOK NOTE:**

There were five validated complaints of soot on 5th, 12th, 18th, 23rd and 24th November, two in December (13th and 20th), and four in January 2025 (2nd, 8th, 13th, 18th) and none for hot oil/fuel odours.

3.2 BELCO Remedial Action Plan Update

It was reported that Belco and their contractor, EnGlobe carried out the following in Q4 2024:

- Converted existing monitoring wells into product collection points;
- Undertook product recovery tests at three monitoring wells. Active recovery should be sustainable at one of these;
- Converted three trial pits into product collection points;
- Extracted approx. 536 litres (142 US gallons) of product from converted trial pits and collection points over 4 days in October 2024;
- BELCO was given DENR's requirements for concrete rubble removal from the site of the Old Power Station;
- BELCO clarified its policy for the removal of clean concrete rubble, although no concrete had been removed in 2024.

The Authority **TOOK NOTE:**

that the next step is for DENR to provide feedback on BELCO's Q4 report so that BELCO may finalise their remediation plan.

3.3 Tynes Bay Waste Facility November 2024 Update

The Authority **TOOK NOTE:**

- Total tonnes less metal across the weighbridge: 3540
 - Of that 33.8 tonnes were of cooking oil.
- Stream 1 available for 2 days and ran for 2 days (100% of the available time).
- Stream 2 was available for 24 days and ran for 24 days (64.5% of the available time).
 - Offline 1 to 7th November, due to planned maintenance.
- T2 Turbine available 31 days at 39% efficiency.
- Total MWh sent to BELCO (15th Oct to 15th Nov): 909 MWh
- Total MWh produced 1st Nov to 31st Nov 1473 MWh:
- Ash processing plant produced 48 loads of ash cement, 0 ash blocks and 233 tonnes of unconsolidated ash.

3.4 Tynes Bay Waste Facility December 2024 Update

The Authority **TOOK NOTE:**

- Total tonnes less metal across the weighbridge: 4175
 - Of that 44 tonnes were of cooking oil.
- Stream 1 available for 21 days and ran for 21 days (100% of the available time).
- Stream 2 was available for 31 days and ran for 15 days (48% of the available time).
 - Offline 3rd to 8th and 18th to 31st December, due to feed chute blockage and equipment failure.
- T2 Turbine available 31 days, offline 7 days due to chute blockage (77% efficiency).
- Total MWh sent to BELCO (15th Nov to 15th Dec): 1314 MWh
- Total MWh produced 1st Dec to 31st Dec 2021 MWh:
- Ash processing plant produced 62 loads of ash cement, 0 ash blocks and 34 tonnes of unconsolidated ash.

3.5 Tynes Bay Waste Facility January 2025 Update

The Authority **TOOK NOTE:**

- Total tonnes less metal across the weighbridge: 4722
 - Of that 44 tonnes were of cooking oil.
- Stream 1 available for 31 days and ran for 31 days (100% of the available time).
- Stream 2 was available for 31 days and ran for 31 days (100% of the available time).
- T2 Turbine available 31 days at 58% efficiency.
- Total MWh sent to BELCO (15th Dec to 15th Jan): 1878 MWh
- Total MWh produced 1st Jan to 31st Jan 2872 MWh:
- Ash processing plant produced 56 loads of ash cement, 224 ash blocks and 368T tonnes of unconsolidated ash.

3.6 Tynes Bay Waste Facility September 2024: Unconsolidated Ash Update

The Authority **TOOK NOTE:**

- A letter from the EA to MPW expressing concerns over the disposal of unconsolidated ash was emailed on 5 November 2024. No response has been received to date from MPW.

4 Applications for Construction Permits and Operating Licences (New)

4.1 OL-1287-1 to OL-1287-4 Meyer Agencies "M/V Insignia"

The Authority **APPROVED:**

The applications for four controlled plant (two 5393 kW boilers; one 477 kW emergency generator; one 465 kW generator), subject to standard conditions.

4.2 OL-1284 and OL-1285 Bermuda Skyport Corporation

The Authority **APPROVED:**

the application for two 6 kW moveable diesel generators, subject to standard conditions.

4.3 CP-839, OL-1289 Grotto Bay Resort & Spa

The Authority **APPROVED:**

the application for an Ecohesion 70,000 gpd wastewater treatment plant at 11 Blue Hole Hill, Hamilton Parish, subject to standard conditions for tertiary treatment and providing that all buildings on the site (i.e. including staff quarters) are connected to the wastewater plant. It was noted that the effluent from the plant will meet tertiary standards (BOD/TSS <10mg/l,

where the manufacturer estimate an effluent quality of BOD less than 5 mg/l; TSS less than 1 mg/l); the plant will be fitted with an air scrubber for odour control and the existing salt water flush system will be replaced with a recycled water system.

5 Applications for Construction Permits and Operating Licences (Reissues)

5.1 The Authority APPROVED:

the applications for reissue of operating licences listed on the six-page printout, subject to standard conditions, with the exception of OL-142 Corp of Hamilton WWTP, OL-851 BHB MAWI WWTP, OL-887 Sardis WWTP, which were deferred pending receipt of the annual reports.

It was noted that the approved wastewater treatment plants are listed below, subject to the same conditions as before:

- OL-434 Loughlands, 79 South Road, Paget
- OL-819, OL-1236, Sinky Bay, 6 Sonesta Drive, Southampton. This is now considered to be one treatment plant that had an additional train added for a total flow of 6,000 gpd to account for the seasonality in wastewater flows. OL-1236 is considered to be withdrawn.
- OL-1192 Bermuda Housing Corp (Grand Atlantic) is still under construction.

6 Applications for Import Permit

There were no import permit applications.

7 Applications for Water Rights (New)

7.1 The Authority again DEFERRED:

WR 5830 Meyer Properties Ltd commercial water right for supply to boat power washer at 19 Wellington Slip Road, St. Georges, pending a site visit by the Government Hydrogeologist to assess current power washing practices and environmental stewardship.

7.2 The Authority APPROVED:

WR-5838 Westend Properties, 101 South Road, Southampton commercial water right application for emergency sewage disposal for overflow from a lift station, subject to standard conditions and providing the borehole is sealed at least 60 feet below sea level.

7.3 The Authority APPROVED:

WR-5839 Tareek Somner, 1A Granaway Heights Road, Southampton, Domestic supply well, subject to standard conditions.

7.4 The Authority APPROVED:

WR-5840 Kianna Bremar, 6 Seymour Farm Road, Southampton, Domestic supply well, subject to standard conditions.

7.5 The Authority APPROVED:

WR-5841 Bermuda Red Cross, 11 Berry Hill Road, Paget, domestic rain water disposal borehole, subject to standard conditions.

7.6 The Authority APPROVED:

WR-5842 Michael Davis, 9 Woodlands Road, Pembroke, domestic supply well, subject to standard conditions.

8 Applications for Water Rights (Reissues)

8.1 The Authority APPROVED:

the reissuance of Water Rights on the nine-page printout, subject to standard conditions, with the exception of 12 indicated as withdrawn. It was noted that WR 5369 Collins Smith for commercial laundry effluent disposal was submitted in error.

9 Well Diggers Licence

9.1 The Authority APPROVED:

the issuance of an annual well diggers licence to Atlantic Water Development Ltd, subject to standard conditions.

10 Date of the Next Meeting

The next meeting was scheduled for 4 pm, Wednesday, 26 March 2025 in the DENR Boardroom


CHAIRMAN

26 MARCH 2025
DATE