

**Minutes of a Meeting of the Environmental Authority
Held on Tuesday, 28 March 2023
At the Department of Environment and Natural Resources, Botanical Gardens, Paget
and Remotely using Teams Teleconference**

PRESENT: Ms. Davida Morris, Chair
Mr. Eugene Saunders, Deputy Chair
Mrs. Susan Armstrong, Member (by remote access)
Mr. Andrew Barnes, Member (by remote access)
Mr. Willie Ferguson, Member (by remote access)
Mr. James Morrison, Member (by remote access)
Mr. Jonathan Starling, Member (by remote access)

ADVISORS: Dr. Geoff Smith, Environmental Engineer, DENR
Dr. Shaun Lavis, Hydrogeologist, DENR
Ms. Patricia Hollis, Environmental Officer, DENR
Ms. Crystal Baxter, Environmental Health Officer
Mr. Tarik Christopher, Principal Engineer (Water & Sewage), Public Works

ABSENT: Mr. Paul McDonald, Acting Senior Planner, Dept. of Planning
Mr. Armell Thomas Senior Environmental Health Officer
Mr. Kirk Outerbridge, Chief Engineer, Public Works

1. Confirmation of Minutes

The Minutes of the meeting held on 28 February 2023 were approved and signed by the Deputy Chair.

2. BELCO Air Quality Updates, Operating Licence Reissue

2.1. The Members discussed their meeting with BELCO representatives held on 23 March 2023.

The Authority **AGREED:**

that a revised letter to BELCO would be prepared and discussed at the next meeting. This letter will reiterate the Authority's ongoing concern with the soot, downdrafting and oil fume odours emanating from the BELCO facility and will request more information on the options to rectify them.

3 Elbow Beach Waste Water Treatment Plant

The Authority **TOOK NOTE:**

that there is nothing new to report: the main hotel is closed, wastewater is received only from one restaurant and some of the apartments of Fritholme Gardens. The plant continues to operate without an activated sludge as a result of the low organic load. The effluent monitoring data for February 2023 remains consistent with that of previous months.

4 Ministry of Public Works Tynes Bay Waste to Energy Incinerator February 2023 Operation Update

The Authority **TOOK NOTE:**

- Stream #1 was unavailable for 28 days in February due to planned major maintenance and upgrade.
- Stream #2 was available for the 28 days in February, ran for 26 days.
- The turbine was available for 28 days in February and ran for 26 days at 30% efficiency. The turbine was offline for two days due to a BELCO blackout and consequential feeder table issues.
- Total waste processed (less metal) was 3,452 tonnes, cooking oil was 39.4 tonnes.
- Total electricity sent to BELCO 17 Jan to 15 Feb was 513 MWh. Total electricity produced for February was 537 MWh.
- 35 loads of ash-cement and 98 tonnes (26 loads) of unconsolidated ash were disposed of at the Airport Waste Management Facility.

5. Clinical Waste Incinerator (Mediwaste) Update

The Authority **DECLINED**:

Mediwaste's request to begin loading clinical wastes into 20ft shipping containers at their Southside location as a result of there not being sufficient information to make an assessment. Presently the clinical wastes are loaded into a single shipping container at Government's Hazardous Waste Facility in Dockyard before being transported for storage at the Airport Waste Management Facility. Being able to relocate the loading operation to the Mediwaste site on Southside would reduce travel times and costs. It was noted that the commissioning date of the facility had been delayed due to the need to relocate a BELCO switch room from inside to a new building outside of the facility.

It is noted that once the occupancy certificate is obtained from the Department of Planning then personnel from DENR-Pollution Control Section will need to inspect the facility against the conditions set in the operating licence. Once this approval is provided then the facility will be able to store clinical waste at the site ready for processing.

6. Agent's Request to Amend Requirements for Casual Ship Visitors to need Operating Licences

At present, the Environmental Policy for Ships (<https://www.gov.bm/environmental-policy-ships>) in Bermuda's Waters requires ships that are in Bermuda for any portion of any 7 days a year to apply for operating licences for the onboard controlled plant. A ship agent requested this policy to be amended so that only contracted cruise ship (those that come in on a weekly basis during the summer months) be required to apply for licences.

The Authority **DECLINED**:

the request and confirmed that any ship in Bermuda's waters for any portion of 7 days is required to apply for operating licences.

7. Applications for Construction Permits and Operating Licences (New)

7.1 OL-1211-1 – OL-1211-8 Meyer Agencies "Vision of the Seas"

The Authority **APPROVED**:

the operating licences for 50,400 kW generator, 560 kW emergency generator, 10ton/hr boiler, 22m³/hr waste water treatment plant, 28m³/hr compressor, two oily water separators and one dry-cleaning plant on-board the "Vision of the Seas", subject to standard conditions.

7.2 OL-1212-1 – OL-1212-4 Meyer Agencies, "Norwegian Prima"

The Authority **APPROVED**:

the operating licences 2,225 kW emergency generator, 9,600 kW diesel generator, 306m³/hr compressor and 15,000 kg/hr boiler, subject to standard conditions. The waste water treatment plant is not certified yet for use in port.

8. Applications for Construction Permits and Operating Licences (Reissues)

8.1 The Authority **APPROVED**:

the applications for reissue of operating licences listed on the two-page printout, subject to standard conditions.

9. Applications for Water Rights (New)

9.1 The Authority **APPROVED**:

WR 5785 Anthea Edwards, domestic water right at 86 Middle Road, Devonshire, for household supply, subject to standard conditions.

9.2 The Authority **APPROVED**:

WR 5786 Ministry of Public Works, one domestic water right at 38 School's Drive, Devonshire, for rainwater disposal, subject to standard conditions.

9.3 The Authority **APPROVED**:

WR 5787 Dr. J. J. Soares, domestic water right at 134 Somerset Road for household supply, subject to standard conditions.

10. Applications for Water Rights (Reissues)

10.1 The Authority **APPROVED:**

the reissuance of Water Rights on the two-page printout, subject to standard conditions, with the exception of one indicated as withdrawn.

11. Update of Standard Water Right conditions for Commercial Public Supply

The Authority **APPROVED:**

The amendment of the conditions for commercial public supply water rights to include:

- a. Requirement for quarterly reporting to be completed using a pro-forma;
- b. Submission of additional details, e.g. whether the well is active or not; precise location of the well; pumping rate (estimated or metered)
- c. Notice that individual well meters will be required to be fitted by a date to be agreed on following consultation.

12. Date of the Next Meeting

The date of the next meeting was set for 8:30 am, Tuesday, 25 April 2023.



CHAIRMAN

30 May 2023

DATE

