

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

**PRESENT:** Ms. Davida Morris, Chair (by remote access)  
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. Jonathan Starling, Member (by remote access)

**ADVISORS:** Dr. Geoff Smith, Environmental Engineer, DENR  
Dr. Shaun Lavis, Hydrogeologist, DENR  
Ms. Patricia Hollis, Environmental Officer, DENR  
Mr. Kirk Outerbridge, Chief Engineer, Public Works

**ABSENT:** Mr. James Morrison, Member  
Mr. Tarik Christopher, Principal Engineer (Water & Sewage), Public Works  
Mr. Paul McDonald, Acting Senior Planner, Dept. of Planning  
Mr. Armell Thomas Senior Environmental Health Officer  
Ms. Crystal Baxter, Environmental Health Officer

**1. Confirmation of Minutes**

The Minutes of the meeting held on 31 January 2023 were approved and signed by the Deputy Chair.

**2. BELCO Air Quality Updates, Operating Licence Reissue**

**2.1.** At their last meeting (31 January 2023), the Environmental Authority agreed to meet with BELCO representatives to discuss proposed changes to BELCO's operating licence and additional reporting requirements. With there having been no convenient time for both parties in February, the Authority **AGREED** for the meeting to be scheduled in March/April 2023.

**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 January was consistent with that of previous months.

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

The Authority **TOOK NOTE:**

- Stream #1 was unavailable for 31 days in January due to planned major maintenance and upgrade.
- Stream #2 was available for the 31 days in January, ran for 31 days.
- The turbine was available for 31 days in January and ran for 30 days at 30% efficiency.
- Total waste processed (less metal) was 3,638 tonnes.
- Total electricity sent to BELCO 16 December to 16 January: 756 MWh. Total electricity produced for January was 1,518 MWh.
- 34 loads of ash-cement and 96 tonnes (24 loads) of unconsolidated ash were disposed of at the Airport Waste Management Facility.

**5. Clinical Waste Incinerator (Mediwaste) Update**

The Authority **TOOK NOTE:**

The incinerator refractories were being cured using 3 x 2 diesel burners as part of the commissioning process. DENR will make site visit(s) to ensure compliance with licencing conditions.

## 6. Applications for Construction Permits and Operating Licences (New)

### 6.1 OL-1209-1, OL-1209-2 Meyer Agencies “Durable”

The Authority **APPROVED**:

the operating licences for a 1990 kW generator and 2800 Igpd WWTP onboard the cable ship “Durable”, subject to standard conditions.

### 6.2 CP-790, OL-1207, Mr. K. Flick

The Authority **APPROVED**:

the construction permit and operating licence for a 32 kW generator at 49 Tucker’s Town Road, St. George’s, subject to standard conditions.

## 7. Applications for Construction Permits and Operating Licences (Reissues)

### 7.1 The Authority **APPROVED**:

The applications for reissue of operating licences listed on the three-page printout, subject to standard conditions with the exception of the following which were deferred:

OL-054 genset Market Place, 104 South Road, Paget, deferred pending submission of muffler upgrade

OL-380 genset Market Place moved from 1 Mill Creek Road, Pembroke to Shelly Bay Market Place pending submission of sound data

OL-1170 genset Appleby Bda, relocated to Cedar Avenue, pending submission of construction permit for new location

OL—992 WWTP Greybar Holdings, 12 Bakery Lane, Pembroke pending submission of annual report

OL-881 Crematorium Amos Memorial, Waller’s Point Road, St. George’s, pending submission of annual report.

## 8. Applications for Water Rights (New)

### 8.1 The Authority **APPROVED**:

**WR 5780 Manuel DeSilva**, commercial water right for irrigation near the **corner of South Road and Belmer Drive, Devonshire** subject to standard conditions.

### 8.2 The Authority **APPROVED**:

**WR 5781 and 5782 Hidden Cove Ltd.**, two commercial water rights at **20 Hidden Cove Road, Smith’s** for flushing supply, subject to standard conditions.

### 8.3 The Authority **APPROVED**:

**WR 5783 Dr. K. M. Snaith**, commercial water right at 20 Queen Street, St. George’s for the disposal of treated sewage effluent via a septic tank, subject to standard conditions, providing the borehole is sealed at least 40 feet below sea level, and providing access to sewer is impractical.

### 8.4 The Authority **APPROVED**:

**WR 5784 Ms. Ratteray and Mr. Shakir**, domestic water right at 12 Ocean Avenue, Devonshire for swimming pool top-up, subject to standard conditions.

## 9. Applications for Water Rights (Reissues)

### 9.1 The Authority **APPROVED**:

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

## 10. Abstraction, and State of the Lenses

### 10.1 Central Lens

It was reported that in 2022, Bermuda Waterworks extracted 95% of their limit; Ministry of Works extracted 25%; Barritt’s 83%, and Kugima 20% of limit. K. C. Daniels has yet to submit his extraction readings.

The Central Lens volume, as shown by lens thickness to 3% salinity, is well above historical lows. One area of thinning was measured at Glebe Road, where the pump rate is higher than normal.

**10.2 Port Royal**

It was reported that in 2022, the Ministry of Works has extracted 104% of its annual limit. With the low rainfall and high pumping rate, the lens volume has decreased. This will be monitored closely by DENR.

**11. Date of the Next Meeting**

The date of the next meeting was set for 8:30 am, Tuesday, 28 March 2023.



CHAIRMAN

28 MARCH 2023

DATE

