

**Minutes of a Meeting of the Environmental Authority
Held on Thursday 4 February 2021
At the Department of Environment and Natural Resources, Botanical Gardens, Paget
and Remotely using Zoom Teleconference**

PRESENT: Ms. Davida Morris, Chair
Mr. Eugene Saunders
Mrs. Susan Armstrong, Member, remote access
Mr. Andrew Barnes, Member
Mr. Willie Ferguson, Member, remote access
Mr. James Morrison, Member, remote access

ADVISORS: Dr. Geoff Smith, Environmental Engineer, DENR
Dr. Shaun Lavis, Hydrogeologist, DENR
Mr. Kirk Outerbridge, Chief Engineer, Public Works, remote access
Mr. Tarik Christopher, Principal Engineer (Water & Sewage), Public Works (remote access)
Ms. Patricia Hollis, Environmental Officer, DENR, Recording Secretary

ABSENT: Mr. Jonathan Starling, Member
Mr. Paul McDonald, Acting Senior Planner, Dept of Planning
Mr. Tom Crossan, Chief Environmental Health Officer
Mr. Armell Thomas, Senior Environmental Health Officer, remote access

1. Welcome to New Chair

Ms. Davida Morris was welcomed as the new Chair of the Environmental Authority.

2. Confirmation of Minutes

The Minutes of the meetings held on 2 December 2020 were approved and signed by Mr. Saunders.

3. BELCO Update on Remedial Actions to address Pollution Complaints

The Authority **TOOK NOTE** of the summary presented:

- Belco has submitted monthly updates to the Dept. of Environment and Natural Resources on the actions provided by the Environmental Authority in May 2020. These have been shared with residents in the Belco area;
- BDA#4, the trailer-mounted sensor system, presently located in Ocean Lane, Pembroke has been in operation since 2 October 2020. BIOS has been overseeing its operation and is providing data to DENR;
- The source of the fumes has been determined to be the East Power Station (EPS) stack. With there being only one or 2 of the original four (4) EPS engines in operation, it is speculated that the exhaust from the stack is at a lower net temperature and net velocity and therefore does not become as lofted into the atmosphere as when there were four engines in operation. When the wind blows towards and close to the top of Langton Hill the exhaust gases become down-drafted to the ground level near Ocean Lane.
- Residential Tank water quality data has been received and disseminated. The results do not show a BELCO signature of pollutants in the water.
- Tank sediment data shows predominantly a road vehicle source for dioxins and furans. It was noted that the levels of dioxins and furans detected are extremely low and the data is consistent with previous very extensive Island-wide studies by BIOS in 2005.

4. BELCO Annual Operating Licence Reissue Application

It was noted that at their meeting of 2 December 2020, the Authority had approved the issuance of the BELCO annual Operating Licence subject to Belco's comments on the amendments to the operating licence conditions:

The Authority **AGREED:**

that once BELCO's comments were reviewed by the DENR technical officers, any proposed changes would be circulated to the Members before the operating licences were issued.

5. ELBOW BEACH Waste Water Treatment Plant Update

The Authority **TOOK NOTE:**

that the Elbow Beach treatment plant is receiving waste water only from the Fritholme Gardens condominium units and from two (2) of the restaurants on site. Going forward, the water analyses will be undertaken by the Bermuda Environmental Consulting Ltd rather than the Water Infrastructure Group Ltd.

6. CORPORATION OF HAMILTON Waste Water Treatment Plant

It was noted that the Corporation of Hamilton is unable to meet their Operating Licence conditions because Government would not approve the expenditure for the installation of the planned improvements using micro-screens. Mr. Kirk Outerbridge, Ministry of Works' Chief Engineer, agreed to ask his Permanent Secretary (Mr. Rochester) to respond to the Corporation's request for resolution of the issue.

7. AWMF Raw Ash Disposal

The Authority took note that the Ministry of Works continues to dispose of unconsolidated ash at the Airport Waste Management Facility, contrary to their Operating Licence conditions. The current site at the facility that is above the water table, away from any revetments and protected from the wind is expected to reach capacity within the next few months.

Mr. Outerbridge confirmed that the Ministry of Works is manufacturing concrete ash blocks as they are able. He said that with the downturn in the economy and the consequent reduced ash volumes, the Ministry has not had to dispose of as much raw ash recently as expected.

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

8.1 CP-679, OL-1083 McDonald

The Authority **TOOK NOTE:**

that the applicant had withdrawn his application for a 20 kW propane generator at 17 Seagull Lane, Pembroke.

8.2 CP-610, OL-984 Mr. Colin Lopes

The Authority **APPROVED:**

the application for a 40 kW diesel generator at Lot 1 (37) Mission Crescent, Paget, subject to standard conditions.

8.3 CP-694, OL-1098 Lee Lovett

The Authority **APPROVED:**

the application for a 40 kW diesel genset at 7 South Road, Hamilton Parish, subject to standard conditions and providing the generator is enclosed.

8.4 CP-697, OL-1101 D. Pearman

The Authority **APPROVED** the application for a 21 kW diesel generator at 11 Miamba Lane, Pembroke, subject to standard conditions and providing sound absorbing blankets are utilized when the generator is in operation.

8.5 CP-698, OL-1102 Mr Tomlinson

The Authority **DEFERRED** the application for a 100 kW diesel generator at 1 Sandy Mount Lane, Warwick pending submission of additional information.

8.6 CP-699, OL-1103 Mr. Outerbridge

The Authority **APPROVED** the application for a 30 kW propane generator at 24 Narrow's Lane, St. George's, subject to standard conditions

8.7 CP-701, OL-1105 Graham Collins

The Authority **APPROVED** the application for a 38 kW propane generator at 5 Green Bay Lane, Hamilton Parish, subject to standard conditions.

8.8 CP-702, OL-1106 Colin Hames

The Authority **DEFERRED** the application for a 22 kW propane generator at 3 Mill Point Road, Pembroke pending submission of additional information.

8.9 CP-657, OL-1047 One Communications

The Authority **DEFERRED** the retroactive application for a 20 kW diesel generator at Workman's Lane, Hamilton Parish, pending submission of a sound survey results or noise-attenuating measures.

8.10 CP-676, OL-1080 Wheeler

The Authority **APPROVED** the application for a 20 kW propane generator at 36 Knapton Estates Road, Smith's, subject to standard conditions and receipt of near neighbours' consent.

8.11 CP-703, OL-1107 Charles & Sandra Dyer

The Authority **APPROVED** the application for a 32 kW propane generator at 30 Knapton Estates Road, Smith Parish subject to standard conditions and providing no objections are received during the advertised period.

9. Applications for Operating Licences (Reissue)

9.1 The Authority APPROVED:

the reissue of operating licences on the four-page printout, subject to standard conditions. It was noted that annual reports for the Grotto Bay Beach (OL-145), Fairmont Southampton Hotel (OL-146), Loughlands (OL-434) and the Loren (OL-887) sewage treatment plants had been received and their operation was satisfactory. Due to an unforeseen challenge, no report is available this year from Greybar Holdings (OL-992).

10. Applications for Chemical Import Permit

10.1 Chilltech.

The Authority **APPROVED** the application submitted by Chilltech. for the import of 40 x 24-lb cylinders of R404A, and 40 x 25-lb of R448A, subject to standard conditions.

11. Applications for Water Rights (New)

The Authority **APPROVED** the applications listed below:

11.1 WR-5681 Anne Glasspool, domestic household supply well at 2 Pieces of Eight Lane, St George's, subject to standard (*amended to reflect correct usage*)

11.2 WR-5682 Wilson, domestic sewage disposal borehole at 23 Rebecca Rd, Southampton subject to standard conditions and providing the borehole is sealed at least 40 feet below sea level.

11.3 WR-5684, 5685, Sol Petroleum, LFWIA Kindley Field Rd, domestic rain water runoff disposal boreholes, subject to standard conditions.

11.4 WR-5686, Sol Petroleum, LFWIA Kindley Field Rd, domestic sewage disposal borehole, subject to standard conditions and providing the borehole is sealed at least 40 feet below sea level.

11.5 WR-5687, Sol Petroleum, LFWIA Kindley Field Rd, domestic electrical grounding borehole, subject to standard conditions .

11.6 The Authority TOOK NOTE:

that WR-5683 Paugh, domestic sewage disposal borehole, 54 Knapton Estates Road, Smith's has been withdrawn.

12. Applications for Water Rights (Reissue)


The Authority **APPROVED:**

the issue of water rights as listed on the six-page printout, subject to standard conditions, with the exception of four indicated as withdrawn.

13. Date of the Next Meeting

The date of the next meeting was set for 8:30 am, Tuesday, 23 February 2021.


CHAIRMAN


DATE

