

**Minutes of a Meeting of the Environmental Authority
Held on Tuesday, 9 November 2021 via Electronic Mail**

RESPONDENTS: Ms. Davida Morris, Chair
Mr. Eugene Saunders, Deputy Chair
Mr. Andrew Barnes, Member
Mr. James Morrison, Member
Mr. Willie Ferguson, Member
Mr. Jonathan Starling, Member
Mrs. Susan Armstrong, Member

1. TYNES BAY WASTE TO ENERGY FACILITY: APPROVAL TO SEND UNCONSOLIDATED ASH TO AWMF:

The clinker crane was due to be replaced towards the end of November 2021 as it has reached the end of its serviceable life (since 1994) and is required to remove the ash from the incinerator to the ash plant that makes the ash-concrete blocks.

Due to additional issues with leaks to the boiler/heat exchanger to both streams being observed last weekend following recent repairs, the incinerator has been turned off ready for welders to make repairs when it cools. As a result of the incinerator being shutdown, it has been decided to bring the replacement of the clinker crane forward to now.

In order to set up scaffolding in the clinker area, a significant volume of ash will need to be removed and taken to the Airport Waste Management Facility (AWMF) in trucks with the raw unconsolidated ash covered with a tarpaulin. Under condition 4.3.3. of the OL-004 this action requires permission from the EA. It was noted that most of the ash in the clinker-crane area will have already agglomerated into a large mass and is expected to need jack hammers to remove. This suggests that risks from fugitive dust at the AWMF will be limited. An area at the AWMF has already been excavated for this purpose as was presented to the EA on 27th April 2021. It was noted that this site at the AWMF is above the water table and is well away from any revetment (>>100ft) and so presents a low risk of being washed into Castle Harbour. DENR recommended that the raw unconsolidated ash be covered with ash-concrete at the end of this process

The Authority **APPROVED** the short term disposal of unconsolidated ash from the area of the clinker crane to the dedicated area recently excavated at the AWMF, subject to standard conditions for unconsolidated ash disposal.

It was also noted that with the incinerator being down for an expected ~15-day period while the clinker crane is replaced, the contingency plan for Tynes Bay would come into play. Approximately 75% of the capacity of the Contingency Yard located at Tynes Bay would be filled with bales of garbage over this period. Should there be further unpredicted issues with the two streams of the incinerator or if the clinker crane replacement runs over time then there is a potential that the capacity for garbage bale storage at the Contingency Yard may be exceeded. It was noted that dialogue with Tynes Bay and Ministry of Public Works Lands & Buildings Section are underway to ensure that additional contingency locations are agreed soon for this potential short-term risk in addition for the longer-term risk when the Third Stream replacement is funded by Government. Note that Bermuda generates approximately 400 of these bales per week. The Members were advised that if there is a failure to the automatic bailer system over this time that cannot be readily fixed then it may also lead to garbage being landfilled at Marsh Folly, as also occurred in 2010 for a short period.

The Authority **CONSIDERED** the implications of the planned maintenance to the contingency plan and the risk of further unplanned maintenance causing the need for additional contingency sites (*i.e.* a Plan 'B') to be found and agreed. It was acknowledged that the Tynes Bay Waste To Energy Facility has reached and surpassed the end of its serviceable life thereby necessitating that the third stream be implemented as soon as possible.

The Authority **AGREED** to discuss this further at the next meeting

2. NEW WATER RIGHT:

The Authority **APPROVED:**

WR-5713 Bermuda Government/Western Stars Sports Club, 56 St John's Road, Pembroke.
Sewage disposal borehole. The borehole to be sealed to at least 40 ft below sea level with at least 20 ft of open hole afterwards.

3. OPERATING LICENCE RE-ISSUES:

The Authority **APPROVED:**

the list of operating licences for renewal that were provided in a table attachment.

4. WATER RIGHT RE-ISSUES:

The Authority **APPROVED:**

the list of water rights for renewal that were provided in a table attachment.



CHAIRMAN

30 Nov. 2021

DATE