

## NDLAMBE MUNICIPALITY



### **MEDIA STATEMENT: 23 MARCH 2021**

#### **UPDATE ON PORT ALFRED EMERGENCY RO PLANT**

**A Project Steering Committee comprised of** Portfolio Councillor for Infrastructure Services; Ward 5, 6, 7, 8, 9 and 10 Ward Councillors; 1 Representative from Port Alfred Ratepayers Association; 1 Representative from Bathurst Ratepayers Association; 1 Rep from Business Forum of Port Alfred and Bathurst; NLM Technical Team; ISD – Consultant; Project Management Consultants; Implementing appointed contractor; Department of Water and Sanitation representative has been established and the induction took place on the 19<sup>th</sup> of February 2021.

In the induction meeting the first Project Steering Committee meeting was planned and the meeting took place on the 10<sup>th</sup> of March 2021. The meeting was held in the Port Alfred Council Chamber and the meeting was attended by 19 representatives including the Technical Team and the appointed contractor (QFS) and three representatives from the Department of Water and Sanitation. In the absence of the PSC chairperson (Portfolio Cllr of infrastructure the meeting was chaired by ward 10 Councillor Schenk of ward 10.

The agenda of the meeting was to present the progress on the site and the consultants presented - progress as follows including current progress:

Work started in February 2021 on site and is due for completion in May due to delays on issuing of the permit by the Department of Labour.

- Refurbishment of buildings in progress
- Concrete plinth prepared
- Waste water treatment plant refurbishment started
- Seawater holding tank stand in progress
- Seawater buffer tank stand set out
- Waste water holding tank installed
- Ultrafiltration skid has been delivered to site and placed on the plinth
- Final water tank completed and Reverse osmosis skid delivered and placed on the plinth



## ADDITIONAL INFORMATION

### 1 Public Participation Process

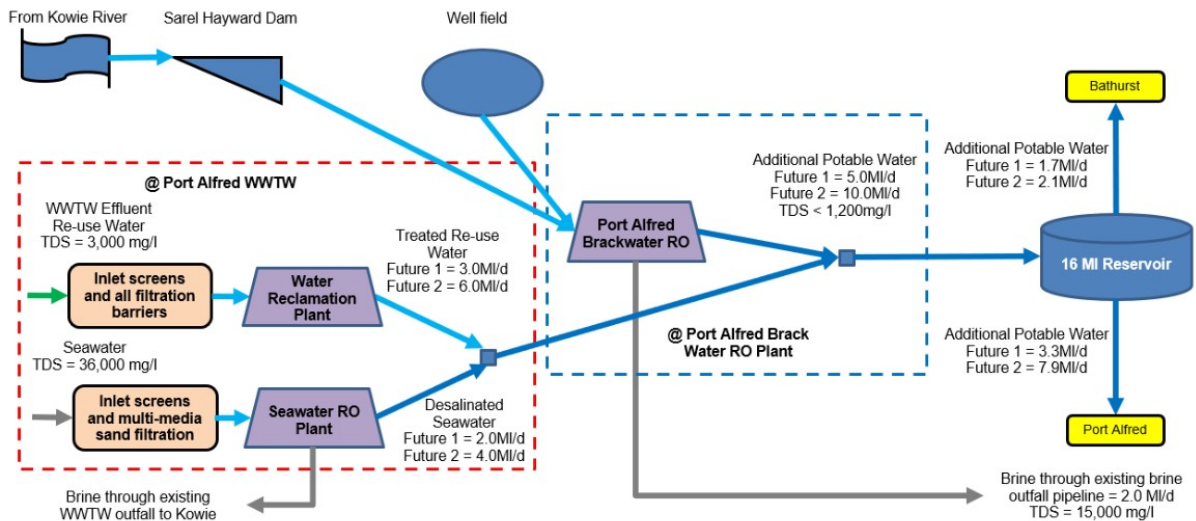
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Public participation meetings were held during two stages of the project:

1. Public Participation Stage 1 (4-5 December 2018)
2. Public Participation Stage 2 (25-27 February 2020)

A YouTube video <https://youtu.be/TPwAWZAzfbg> which was prepared to communicate the intent of this project has been viewed and discussed during the Public Participation meetings.

## 2 Project Description



### 2.1 Objectives

The project objectives are to ensure sufficient and reliable water supply to Port Alfred by augmenting the bulk water supply to the area.

### 2.2 Overview of the Works

The project requirements pertaining to the Works are as follows:

- 2Ml/d Seawater RO plant (SWRO) delivered on skids and installed in shipping containers. Construction of the abstraction works and the raw water pipeline. Connect the SWRO to the existing 315mm rising main. The raw water characterisation is to be tested by the Contractor, submitted to the employer for acceptance. The plant must be able to operate with a 20% variation (up or down) in the raw water quality.
- 3Ml/d Wastewater Reclamation RO plant (WRRO) delivered on skids and installed in shipping containers.
- Operate and maintain the PA WWTW to produce an effluent complying to the current DWS required standards. Operate and maintain the SWRO and WRRO producing water complying to the SANS241:2015 Part 1 Drinking Water Standards.
- A total design production of 5Ml/d potable water is required.

## 3 Project Design

The design was done in accordance with the Employer's Requirements and to meet the DWS drinking water parameters. The following screening processes are in place:

### 3.1 Seawater RO Plant

- a) Coarse screen at the abstraction point
- b) Screen at the inlet to the works
- c) Ultra-filtration
- d) Reverse osmosis
- e) Chlorination

### 3.2 Water Reclamation Plant

- a) Screen
- b) Pre-chlorination
- c) Ultra-filtration
- d) Reverse osmosis
- e) Advanced Oxidation Process

## **4 Risk Management**

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### **4.1 Process Control**

The contract includes the design, construction and operation of the works for a period of three years. The specialist contractor provides process control services and the required training.

### **4.2 Risk Benefit**

Project risks have been mitigated by means of transferring the operational and maintenance responsibility to the specialist contractor. This includes the operation of the wastewater treatment works to ensure the effluent received at the plant is of the required quality. Residual risks are considered acceptable to be managed.

### **4.3 Ongoing Tests**

The following water tests will be conducted during operations:

- Hourly electronic testing of critical elements;
- Per shift testing at the on-site laboratory of water samples along the process train; and
- Weekly testing by an approved external laboratory.

**NOTICE: 2021**  
**23 March 2021**

**ROLLY DUMEZWENI**  
**MUNICIPAL MANAGER**

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