



1. Introduction and Guide to the PER

1.1 Overview

At present quarantine waste in the Northern Territory is treated via incineration. The incinerator is located at Fort Hill Wharf and has reached the end of its design and economic life, with its operation no longer complying with relevant emission control guidelines.

The Northern Territory Government has identified incineration as the most appropriate method to treat current and future quarantine waste. This was confirmed by analyses of alternative technologies undertaken by GHD.

The proposed incinerator is to be located at East Arm Wharf, which is central to the quarantine waste generators and common with industry in the area.

The proposed incinerator will provide improved quarantine waste handling and environmental conditions through implementation of modern technology.

Darwin Port Corporation (DPC) is currently seeking development consent for:

- » Construction of a proposed quarantine waste treatment facility, an incinerator, and associated infrastructure such as a liquid petroleum tank and modification to site access; and
- » Operation of the incinerator for a minimum period of 20 years (with an Air Pollution Control Device review to be conducted after 10 years).

The proposed incinerator is designed to accept up to 450 kg/hr of waste although this will actually depend on the volume, bulk density and calorific value of the waste. A minimum throughput of 300 kg/hr is envisaged during the initial commissioning and operations. The primary chamber is designed to operate between 750°C to 950°C and the secondary chamber at 1200°C.

In order to facilitate development consent this Public Environmental Report (PER) has been prepared to identify and assess the environmental impacts from the proposed facility and develop appropriate management strategies. This PER has been prepared in accordance with the requirements of the *Northern Territory Environmental Assessment Act (1982)* and the Environmental Assessment Administrative Procedures under which the Act is implemented.

The structure of this PER follows the structure of the *Department of Natural Resources, Environment and the Arts Guidelines for the Preparation of a Public Environmental Report, Waste Treatment Incinerator – East Arm Port, Darwin Port Corporation, October 2005*.

1.2 Proponent Details

The proponent of the proposed quarantine waste treatment facility is the Darwin Port Corporation (DPC). DPC is a Northern Territory Government body responsible for the control and management of the land, waterways and facilities within the Port of Darwin.

The DPC will be responsible for the operation and maintenance of the quarantine waste treatment facility.



The Project Manager for the proposed quarantine waste facility is:

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1.3 How will the Proposal be Assessed?

The Public Environmental Report (PER) has been prepared in accordance with requirements of the:

- » *Environmental Assessment Act 1982;*
- » *Environmental Assessment Administrative Procedures 1984;* and
- » *Environment Protection Authority Guidelines for the Preparation of a Public Environmental Report Waste Treatment Incinerator – East Arm Port, Darwin Port Corporation, October 2005.*

The information provided in this PER details the existing environment, potential environmental impacts and management measures proposed to minimise any potential environmental impacts resulting from the construction and operation of the proposed quarantine waste facility.

The PER will assist the Northern Territory Minister of Environment in assessment of the project and the approval or otherwise of the proposed quarantine waste facility.

Further information on the approvals process is provided in Section 2.