



## EMERGENCY AUTHORIZATION No. 8/2016

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I, Wesley Bruce Ford, Director, Environment Protection Authority, issue this authorization under section 34 of the *Environmental Management and Pollution Control Act 1994* (the Act), being satisfied:

(a) that circumstances of urgency exist, being:

- (i) That the energy supply situation due to the historic low lake levels and the failure of the Basslink Interconnector is reaching a point where alternate electricity generation capacity is urgently required; and
- (ii) That there is an urgent need to extend the capacity of the stored energy in the lakes by utilising other means of generation; and
- (iii) That the statutory assessment of the proposed activity under Section 27 of the Act cannot be completed within a reasonable time period to allow the operation of the generators to commence in the timeframe necessary to assist in reducing the pressure on the falling lake levels.

and being satisfied:

(b) that this authorization is justified by the need to protect life, the environment or property because:

- (i) Low lake levels are occasioning environmental pressures in a number of hydro storages and supplementary diesel generation will help to alleviate those pressures at a system level; and
- (ii) There is an increased risk of the electricity generating infrastructure (being property of Hydro Tasmania) being compromised as lake levels fall due to the potential for effects from cavitation and siltation impacting on the generating equipment and other associated equipment.

hereby authorize Hydro-Electric Corporation (trading as Hydro Tasmania) to operate containerised diesel powered electricity generation units (generators), being a Level 2 activity under Schedule 2, clause 7(a) of the Act, subject to the conditions listed in Schedule 1 of this Authorization.

Wes Ford  
**DIRECTOR, ENVIRONMENT PROTECTION AUTHORITY**

This 4<sup>th</sup> day of April 2016

## SCHEDULE 1 Conditions of Authorization

### Definitions

Words and expressions used in this Authorization have the meanings given to them in the *Environmental Management and Pollution Control Act 1994*, and the following meanings:

**The Activity** means the activity authorized by this authorization, being the operation of containerised diesel powered electricity generation units (generators) as described in **Attachment 2: Project Proposal – Port Latta Substation Supplementary Diesel Generation, 4 April 2016** until 31 July 2016, subject to these conditions, and the commitments in the Project Proposal.

**Director** means the Director, Environment Protection Authority holding office under Section 18 of EMPCA, and includes a person authorised in writing by the Director to exercise a power or function on the Director's behalf.

**Environmentally Hazardous Material** means any substance or mixture of substances of a nature or held in quantities which present a reasonably foreseeable risk of causing serious or material environmental harm if released to the environment and includes fuels, oils, waste and chemicals but excludes sewage.

**The Land** means the land on which The Activity may be carried out and falls within the area defined by the portion of Title Reference 238145/1 depicted on **Attachment 1** as “Temporary Generation Site” and any other portion of the Title Reference 238145/1 as approved by the Director.

**Noise Sensitive Premises** means residences and residential zones (whether occupied or not), schools, hospitals, caravan parks and similar land uses involving the presence of individual people for extended periods, except in the course of their employment or for recreation.

**Person Responsible** is Hydro-Electric Corporation (trading as Hydro Tasmania), or any agent or company engaged by Hydro Tasmania to operate the diesel generators on its behalf.

**Stormwater** means water traversing the surface of The Land as a result of rainfall.

**Tasmanian Noise Measurement Procedures Manual** means the Noise Measurement Procedures Manual referred to in regulation 4 of the *Environmental Management and Pollution Control (Miscellaneous Noise) Regulations 2014*.

### General

#### **G1 Access to and awareness of conditions and associated documents**

A copy of these conditions and any associated documents referred to in these conditions must be held in a location that is known to and accessible to the person responsible for the activity. The person responsible for the activity must ensure that all persons who are responsible for undertaking work on The Land, including contractors and sub-contractors, are familiar with these conditions to the extent relevant to their work.

**G2 Incident response**

If an incident causing or threatening environmental nuisance, serious environmental harm or material environmental harm from pollution occurs in the course of the activity, the person responsible for the activity must immediately take all reasonable and practicable action to minimise any adverse environmental effects from the incident.

**G3 Implementation of submitted documentation**

Unless otherwise approved in writing, the person responsible must act and operate in accordance with the ***Project Proposal – Port Latta Substation Supplementary Diesel Generation, 4 April 2016*** and commitments contained therein (refer **Attachment 2**) as may be amended or replaced from time to time with the written agreement of the Director.

**G4 Notification prior to commencement**

The Director must be notified at least 24 hours prior to the commencement of power generation.

**G5 Complaints register**

1 A public complaints register must be maintained and made available for inspection by an Authorized Officer upon request. The public complaints register must, as a minimum, record the following detail in relation to each complaint received in which it is alleged that environmental harm (including an environmental nuisance) has been caused by the activity:

- 1.1 the time at which the complaint was received;
- 1.2 contact details for the complainant (where provided);
- 1.3 the subject-matter of the complaint;
- 1.4 any investigations undertaken with regard to the complaint; and
- 1.5 the manner in which the complaint was resolved, including any mitigation measures implemented.

2 Any complaints regarding noise or air emissions must be investigated within 48 hours of the complaint being made.

3 Complaint records must be maintained for a period of at least 3 years.

**G7 Notification of Complaints**

In the event a complaint is received in relation to the activity, the complaint must be reported to the Director within 24 hours.

**G8 Amendment and Revocation**

The Director may amend or revoke this authorization and these conditions by notice in writing to the person responsible.

**Atmospheric**

**A1 Control of dust emissions**

Dust emissions from The Land must be controlled to the extent necessary to prevent environmental nuisance beyond the boundary of The Land.

**A2 Control of stack emissions**

That, in the absence of the *Environment Protection Policy (Air Quality) 2004*

providing in-stack air quality emission limits for the generators being used, the units are required to operate within the limits set by the USA EPA New Source Performance Standards for Stationary Emergency Tier 2 Limits, and ambient air quality criteria as specified in the *National Environmental Protection (Ambient Air Quality) Measure* must be met at any sensitive receptor (residence).

### **A3 Community advice**

The person responsible must take all reasonable steps to ensure that any person (land owners and members of the public) who will be within the area bounded by the 1 hour 246 µg/m<sup>3</sup> NO<sub>2</sub> 40% concentration contour (provided in Figure 9-1, page 20, of: *Port Latta Substation Diesel Gen Set Installation – Air Quality Assessment – 3 April 2016 70Q-16-0038-TRP-519717-1*, by Vipac Engineers & Scientists Ltd), for an extended period over the duration of the activity is made aware of the possibility of the presence of ambient NO<sub>2</sub> concentrations that exceed the 1 hour National Standard for exposure set in the *National Environmental Protection (Ambient Air Quality) Measure*.

### **A4 Operational Air Emissions Management Plan**

- 1 Unless otherwise approved in writing by the Director, the person responsible must implement and act in accordance with the *Operational Emissions Management Plan, Port Latta 31 March 2016* at Appendix F of **Project Proposal – Port Latta Substation Supplementary Diesel Generation, 4 April 2016**.
- 2 Notwithstanding Condition A4 (1), the person responsible must undertake emission reporting as required by the Director.

## **Effluent Disposal**

### **E1 Stormwater**

- 1 Polluted stormwater that will be discharged from The Land must be collected and treated prior to discharge to the extent necessary to prevent serious or material environmental harm, or environmental nuisance.
- 2 Notwithstanding the above, all stormwater that is discharged from The Land must not carry pollutants such as sediment, oil or grease in quantities or concentrations that are likely to degrade the visual quality of any receiving waters outside The Land.
- 3 All reasonable measures must be implemented to ensure that solids entrained in stormwater are retained on The Land. Such measures may include appropriately sized and maintained sediment settling ponds or detention basins.

## **Hazardous Substances**

### **H1 Storage and handling of hazardous materials**

- 1 Unless otherwise approved in writing by the Director, environmentally hazardous materials held on The Land must be:
  - 1.1 located within impervious bunded areas, spill trays or other containment systems; and
  - 1.2 managed to prevent unauthorised discharge, emission or deposition of pollutants:
    - 1.2.1 to soils within the boundary of The Land in a manner that is

likely to cause serious environmental harm;

- 1.2.2 to groundwater;
- 1.2.3 to waterways; or
- 1.2.4 beyond the boundary of The Land.

## H2 Fuel deliveries

Fuel deliveries may only be made between the hours of 0700 and 1800, and are limited to three daily deliveries, unless otherwise approved by the Director.

## H3 Spill kits

Spill kits appropriate for the types and volumes of materials handled on The Land must be kept in appropriate locations to assist with the containment of spilled environmentally hazardous materials.

## Noise Control

### N1 Noise emission limits

- 1 Noise emissions from the activity when measured at any noise sensitive premises in other ownership and expressed as the equivalent continuous A-weighted sound pressure level must not exceed:
  - 1.1 40 dB(A) between 2200 hours and 0600 hours (Night time)
- 2 Where the combined level of noise from the activity and the normal ambient noise exceeds the noise levels stated above, this condition will not be considered to be breached unless the noise emissions from the activity are audible and exceed the ambient noise levels by at least 5 dB(A).
- 3 The time interval over which noise levels are averaged must be 10 minutes or an alternative time interval specified in writing by the Director.
- 4 Measured noise levels must be adjusted for tonality, impulsiveness, modulation and low frequency in accordance with the Tasmanian Noise Measurement Procedures Manual.
- 5 All methods of measurement must be in accordance with the Tasmanian Noise Measurement Procedures Manual.

### N2 Noise survey method and reporting

- 1 A noise survey must be undertaken when reasonably required in writing by the Director by a date specified by the Director.
- 2 Prior to undertaking a noise survey as required by this condition, a proposed noise survey method must be submitted to the Director for approval.
- 3 Without limitation, the survey method must address the following:
  - measurements must be carried out at day, evening and night times (where applicable) at each location; and
  - measurement locations, and the number thereof, must be specified, with one location established as a control location (noise).
- 4 Measurements and data recorded during the survey must include:
  - operational status of noise producing equipment and throughput of the activity;
  - subjective descriptions of the sound at each location;
  - details of meteorological conditions relevant to the propagation of noise;

- and
  - the equivalent continuous ( $L_{eq}$ ) and  $L_1$ ,  $L_{10}$ ,  $L_{50}$ ,  $L_{90}$  and  $L_{99}$  A-weighted sound pressure levels measured over a period of 10 minutes or an alternative time interval specified by the Director.
- 5** A noise survey report must be forwarded to the Director within 30 days from the date on which the noise survey is completed
- 6** The noise survey report must include the following:
- the results and interpretation of the measurements required by these conditions;
  - a map of the area surrounding the activity with the boundary of The Land, measurement locations, and noise sensitive premises clearly marked on the map;
  - any other information that will assist with interpreting the results and whether the activity is in compliance with these conditions and EMPCA; and
  - recommendations for appropriate mitigation measures to manage any noise problems identified by the noise survey

# ATTACHMENT 1

## The Land

(Source: Hydro Tasmania)



**ATTACHMENT 2**

**[Insert document: ‘*Project Proposal – Port Latta Substation Supplementary Diesel Generation, 21 March 2016*’]**