

Notice

Environmental Protection Act 1994

Notice of decision – Amended Temporary Emissions Licence

This statutory notice is issued by the administering authority pursuant to section 357J of the Environmental Protection Act 1994, to advise you of a decision or action.

To:

MACKAY SUGAR LIMITED
1 Racecourse Mill
MACKAY QLD 4740

Email: S.Hayes-Stanley@mkysugar.com.au

Attention: Scott Hayes-Stanley

Your reference: EPPR00423513 / ENEL06902216

Our reference: EPPR00423513 / ENEL06902216

Amendment by agreement of a temporary emissions licence (TEL) to release contaminants to waters from Pond 2 at Racecourse Sugar Mill.

This Amended Temporary Emissions License (TEL) (reference ENEL06902216) commenced on **5 August 2016** and ends on **16 September 2016** or earlier as stated in the conditions of this temporary emissions licence.

The treated effluent described in this temporary emission licence consists of treated effluent from Pond 2 of Racecourse Mill Effluent Treatment Ponds.

This TEL overrides the following conditions of your environmental authority EPPR00423513 (formerly approval number ENDC00437305):

Condition C4: Quality Characteristics of Release to Waters

The release of contaminants to waters must comply, at the sampling and in situ measurement points specified above, with each of the limits specified in Table 1 of Schedule C for each quality characteristic.

Condition C5: Biochemical Oxygen Demand

Compliance with Schedule C Table 1 is deemed to be achieved if no one sample exceeds 58mg/L and no more than 30% of samples collected over a period of one year exceed 20mg/L.

Condition C6: Suspended Solids

Compliance with Schedule C Table 1 is deemed to be achieved if no one sample exceeds 88mg/L and no more than 30% of samples collected over a period of one year exceed 30mg/L.

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Schedule C – Table 1 – Release Quality Characteristic Limits

Quality Characteristics	Release Point Number	Release Limit	Limit Type
5-day Biogeochemical Oxygen Demands (mg/L)	W1, W2, W3, W4	20 mg/L	Maximum
Suspended Solids (mg/L)	W1, W2, W3, W4	30 mg/L	Maximum
pH (pH units)	W1, W2, W3, W4	6.5 – 8.5	Range
Dissolved Oxygen (mg/L)	W1, W2, W3, W4	2.0 mg/L	Minimum

Temporary Emissions Licence Conditions

The TEL is granted subject to the following conditions:

Commencement of contaminant release to waters:

TEL1 The release of treated effluent to waters may commence when the **threshold for shutdown of operations** of the plant, described as Racecourse Sugar Mill, is reached due to the **anticipated applicable event**.

Note:

The **threshold for shutdown of operations** of the plant is described as: where a freeboard at the Racecourse Sugar Mill effluent ponds is 50mm or less.

The **anticipated applicable event** is described as: rainfall of up to 5mm forecast for the Mackay Region from 6 August 2016 and referred to in information provided in the application signed by Nicholas Harry dated 04 August 2016.

Release of contaminants to waters

TEL2 The release of treated effluent to waters must be mixed in equal part with a raw or recycled water source for the duration of the discharge.

TEL3 The release of treated effluent to waters is only authorised to occur for two periods, each consisting of a maximum of seven (7) consecutive days from commencement of the respective discharges.

TEL4 The release of treated effluent to waters must only occur from the release point and source specified in **Table TEL1: Contaminant release points, sources and receiving waters** and depicted in **Attachment 1 – TEL Figure 1: Racecourse Mill Effluent Treatment Ponds Location**.

Table TEL1: Contaminant release points, sources and receiving waters

Release Point (RP)	Racecourse Mill water source and location	Receiving waters description
RP W1	Pond 2	Rocky Creek

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TEL5 Monitoring of treated effluent from the authorised release point specified in **Table TEL1: Contaminant release points, sources and receiving waters** must comply with the requirements in **Table TEL2: Monitoring requirements for water releases from Pond 2** and associated requirements.

Table TEL2: Monitoring requirements for water releases from Pond 2

Monitoring locations	Parameter	Monitoring Frequency
1. Spillway of Pond 2(-21.209190, 149.106398);	5-day Biogeochemical Oxygen Demands (mg/L)	Daily during releases. The first sample must be taken within two (2) hours upon commencement of a release event.
2. Receiving environment – upstream of spillway (-21.207565, 149.103685);	Suspended Solids (mg/L)	
3. Receiving environment - downstream of spillway (-21.207397, 149.106518); and	pH (pH units)	
4. Any other release point (see point f) in Associated requirements below)	Dissolved Oxygen (mg/L)	

Associated requirements

- Monitoring locations and samples must be representative of the contaminated water being released and receiving environment.
- All analyses required under this TEL must be carried out by a laboratory that has NATA certification, or an equivalent certification, for such analyses.
- The results of all sampling and analysis, including field analysis, must be provided to the administering authority on request.
- Water quality monitoring must be in accordance with the methods prescribed in the current edition of the administering authority's *Monitoring and Sampling Manual*.
- All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual.
- Any other release point is only applicable if uncontrolled releases occur from a point other than spillway.

General conditions

TEL6 All reasonable and practicable measures must be taken to prevent or minimise environmental harm caused as a result of this temporary emissions licence (TEL).

TEL7 All records must be kept for a period of at least five (5) years and provided to the administering authority upon request.

TEL8 Notwithstanding any condition of this TEL, if the release of contaminated water causes adverse impact on an environmental value of the receiving environment, the holder of this TEL must take appropriate action/s to remedy the situation.

Notification of release events

TEL9 The TEL holder must notify the administering authority as soon as practicable, but within twenty-four (24) hours, of commencement or cessation of releases authorised under this TEL.

Environmental nuisance from odour

TEL10 Following the commencement of a release under this TEL, the TEL holder must undertake odour assessments of the receiving environment in accordance with, but not limited to, the following requirements:

- During release: daily assessments of receiving waters and any ponded water accumulated as a result of the release.
- Following cessation of release: daily assessments of receiving waters and any ponded water accumulated as a result of the release.
- Following cessation of release: the daily assessments are to be carried out for at least fourteen (14) days after the cessation of release. Monitoring may be ceased earlier if agreed to in writing by the administering authority.

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TEL11 In the event that the release of contaminated water causes environmental nuisance in the form of odour, the TEL holder must take appropriate action/s to remedy the situation.

Flushing of receiving waters

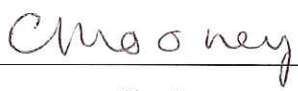
TEL12 Within twenty-four (24) hours of cessation of all releases under this TEL, the TEL holder must flush receiving waters with raw or recycled water in accordance with the following requirements:

- a) Flushing must only occur from RP W1 or a point upstream of W1; and
- b) The quality characteristics of raw or recycled water used for flushing must not exceed the release limits stated in **Table TEL3: Flushing water release limits**

Table TEL3: Flushing water release limits

Quality Characteristics	Release Limit	Limit Type
5-day Biogeochemical Oxygen Demands (mg/L)	20 mg/L	Maximum
Suspended Solids (mg/L)	30 mg/L	Maximum
pH (pH units)	6.5 – 8.5	Range
Dissolved Oxygen (mg/L)	2.0 mg/L	Minimum

Should you have any queries in relation to this notice, please contact David Quin on telephone 3330 5784.



Signature



Date

Chris Mooney
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

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Attachment 1

TEL Figure 1: Racecourse Mill Effluent Treatment Ponds Location

