



NYRSTAR LICENCE RENEWAL

Port Pirie community update #5

Issued 30 June 2022

Nyrstar's current licence was issued on 1 July 2021 for 12 months, following significantly strengthened requirements in 2020 to reduce the lead in air (LIA) limits by 20%. Performance in the last 12 months has been consistently strong, resulting in the best emissions outcomes seen over recent years.

The Nyrstar licence has been regularly strengthened since 2018, in response to major capital investments at the site. When operations further stabilise, it will move to a longer term licence that will be in place for future years to come.



New licence at a glance:

- Introducing a new LIA Goal of 0.25 µg/m³ averaged over a year, with an updated condition in the Environment Improvement Program. This ensures Nyrstar will continue to pursue best possible emissions performance using a continuous improvement approach. Similar to the 'targets' in the existing licence, the LIA Goal is not designed as an enforceable limit, although it will be used to inform and assess Nyrstar's performance and the need for further investment and improvement in operations.
- Maintaining the LIA Limits and Targets in the current licence.
- A renewed focus on improving wastewater emissions, including identifying options and developing and implementing plans with a particular focus on cadmium, zinc and lead. This will see a greater focus on metals of concern and controlling trends of metals in wastewater over time.
- Clarifying the licence condition related to waste fire management.
- Introducing a new requirement under the Environment Improvement Programme to assess mercury generation and emission from site operations, consistent with Australia's ratification of the Minamata Convention on Mercury in late 2021.
- A 12-month licence to June 2023, with a view for a longer-term licence from 2023 onwards.

Conditions to be strengthened on 1 July 2022

The new licence will include all previous conditions, and the following strengthened conditions targeting areas with achievable improvements in 2022–23, as well as challenging Nyrstar to progress towards an ambitious longer-term goal for future emissions performance (please see over):

LICENCE CONDITION AND INTENTION		DETAIL
	<p>ENVIRONMENT IMPROVEMENT PROGRAMME NYRSTAR (U-1501)</p> <p><i>The EPA has included a Lead in Air Goal of 0.25 µg/m³ averaged over a year, with an updated condition in the Environment Improvement Program. This ensures Nyrstar will continue to pursue best possible emissions performance using a continuous improvement approach. Similar to the 'targets' in the existing licence, the Goal is not designed to be an enforceable limit, although it will be a metric to consider its performance and the need for further investment and improvement for the operations.</i></p>	<p>The Licensee must:</p> <ol style="list-style-type: none"> 1. implement and comply with the EPA approved Environment Improvement Program (EIP) entitled 'Environment Improvement Program' dated 23 December 2020; 2. develop and submit to the EPA an EIP to the satisfaction of the EPA by the date listed below; 3. undertake public consultation in the course of developing the EIP; 4. ensure that the EIP includes, but is not limited to: <ol style="list-style-type: none"> a. a summary of the results of public consultation undertaken in developing the EIP; b. details of actions, timeframes and milestones to be undertaken by the Licensee which support a 12-month average Lead in Air goal of 0.25 µg/m³ (TSP Lead) as determined at the Pirie West and Oliver St Monitoring Stations and supported by a whole of Premises emissions inventory; c. details of actions, timeframes and milestones to be undertaken by the Licensee to minimise dust emissions (including fugitive emissions) from the Premises; d. details of actions, timeframes and milestones to be undertaken by the Licensee to prevent or minimise any environmental harm attributable to wastewater and contaminated stormwater management, including metals in wastewater and contaminated stormwater discharged via the 1M Flume and any leakage from the Sewage Lagoon; e. a methodology and framework for the review of the EIP and implementation of actions and timeframes identified upon compliance with the EPA approved Options Report required by condition U-1502 'Assessment of Options'; f. details of actions, timeframes and milestones to be undertaken by the Licensee to reduce litter and waste generation and/or disposal; g. details of actions, timeframes and milestones to be undertaken by the Licensee to ensure it is taking all reasonable and practicable measures to prevent or minimise any environmental harm attributable to emissions or discharges from the Premises of Mercury or Mercury compounds. h. details of actions, timeframes and milestones to be undertaken by the

	<p>IMPLEMENT THE ENVIRONMENT IMPROVEMENT PROGRAMME NYRSTAR (U-1514)</p>	<p>Licensee to prevent or minimise any environmental harm attributable to legacy plant, equipment and waste and to undertake progressive rehabilitation of legacy plant, equipment and waste;</p> <ol style="list-style-type: none"> i. a methodology and framework for reporting to the EPA, including frequency, to demonstrate progress and completion of EIP compliance actions; j. a methodology and framework to assess the effectiveness of the actions detailed in the EIP; k. a methodology and framework for the six monthly review and revision of the EIP and actions, timeframes and milestones based on an analysis of emissions monitoring and management of pollutant discharges and emissions; and l. a methodology and framework for providing public access to the EIP, and to quarterly and annual reporting. <p>NOTES Ensure includes -</p> <ol style="list-style-type: none"> a) personally undertaking any relevant action to bring about the identified outcome b) directing, causing, permitting and/or facilitating another to take any relevant action to bring about the identified outcome. <p>Compliance Date: 15 Aug 2022</p> <p>The licensee must implement the Environment Improvement Programme approved in writing by the EPA (or any revised plan approved in writing by the EPA) required by condition U-1501 in accordance with its EPA approved requirements of the plan.</p>
	<p>ASSESSMENT OF OPTIONS (U-1502)</p> <p><i>The EPA is requiring Nyrstar to demonstrate a renewed focus on improving wastewater emissions, including identifying options and developing and implementing plans with a particular focus on cadmium, zinc and lead. This will see a greater focus on metals of concern and controlling trends of metals in wastewater over time.</i></p>	<p>The Licensee must:</p> <ol style="list-style-type: none"> 1. undertake a detailed assessment of options to prevent or minimise pollutants discharged via wastewater from the Premises; and 2. develop and submit to the EPA for its approval, by the compliance date listed below, a detailed 'Options Assessment Report' (Options Report); and 3. ensure the Options Report contains, but is not limited to: <ol style="list-style-type: none"> a. details of the options assessed under paragraph 1 of this condition; b. a feasibility assessment of each option; c. details of the expected environmental outcome(s) of each option; d. identification of preferred appropriate option(s) and a clear rationale for selection, and; e. intended timeframe(s) for implementation of the preferred appropriate option(s). <p>Compliance Date: 2 Dec 2022</p>



PREMISES WASTE FIRE MANAGEMENT (U-1488)

The lists of wastes that Nyrstar is permitted to dispose of onsite consists of residues from onsite processes. This list is stipulated in the new licence and includes asbestos-containing material and general, mixed or listed construction and demolition waste. The EPA is proposing to amend the licence condition related to waste fire management to clarify the intent of the condition.

The Licensee must:

1. not cause or permit any waste to be burned at the Premises;
2. notify the EPA as soon as reasonably practicable after becoming aware of a waste fire at the Premises; and
3. within 72 hours of bringing the waste fire under control, provide a written report to the EPA setting out the following:
 - a. date of the fire;
 - b. approximate time of the fire;
 - c. cause of the fire (if known);
 - d. area of the Premises where the fire occurred;
 - e. measures used to extinguish the fire and to manage any environmental impacts; and
 - f. appropriate measures that will be taken to reduce the risk of further fire at the Premises.

Community engagement

EPA staff regularly inspect Nyrstar Port Pirie's operations to ensure it is compliant with licence conditions, and the EPA Board also recently met Nyrstar and with key community representatives to hear from Pirie residents first hand.

The EPA welcomes the opportunity to speak with the Port Pirie community, and invites you to contact our direct line, email address or website to view previous community updates. We also enjoy meeting with Pirie residents in person when we're in town.



**FURTHER
INFO**

For **further information** please contact:

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(please follow the links to 'Community' then 'Stay Informed')

