

Orica Yarwun Site Major Hazard Facility



April 2017

This Fact Sheet contains important information for the local community about Orica's Yarwun chemical manufacturing facility. Our facility is defined as a Major Hazard Facility (MHF). Comprehensive measures are in place to protect the community from potential hazards and it is important that you know what to do in the unlikely event of an incident with potential for off-site impacts.

Orica Yarwun - Operations Overview

Strategically located 9 km west of Gladstone, Queensland, Orica's manufacturing site at 30 Reid Road Yarwun, is an integral part of the company's global operations.

Orica Yarwun makes an important contribution to the local and broader community. The site employs more than 200 permanent employees and contractors in the Gladstone area and our operations play a key role in the Queensland economy, supplying critical products to the mining and infrastructure, agriculture, water supply and other industrial sectors.

The facility produces ammonium nitrate and sodium cyanide products which is used in the Queensland mining operations as well as national and international mining industries.

The site comprises a Chemicals Complex with a Sodium Cyanide plant; an Ammonium Nitrate Complex including three Nitric Acid Plants, two Ammonium Nitrate Plants, an Emulsion Phase Plant and an Expanded Polystyrene Plant; and product dispatch facilities.

Orica Yarwun also operates two raw material import facilities at the Fisherman's Landing port, located approximately 5km north of the main site in Serrant Road. The facilities incorporate ammonia and caustic soda unloading and storage prior to delivery to the site through an underground pipe network.

Major Hazard Facility (MHF)

During 2012 Orica's Yarwun site at Reid Road, Gladstone transitioned to a licensed Major Hazard Facility (MHF). The operators of a MHF are required to demonstrate to the regulator (the Hazardous Industry and Chemicals Branch (HICB) of Workplace Health & Safety Queensland), how the facility achieves an acceptable level of risk to people, property and the environment. As such, each MHF facility is required to develop a Safety Case which demonstrates to the regulator how the facility has reduced risk as far as reasonably practicable.

Orica's Risk Management Controls

Orica Yarwun's Safety Report has demonstrated to the regulator, in detail, the facility's Systematic Risk Assessment (SRA), our Safety Management System (SMS) and Emergency Plans and Procedures (ERP&P) we have in place to control the potential risk to people, property or the environment.

Our risk control measures include:

- comprehensive understanding of the major accident hazards associated with the facility and ensuring all safeguards are in place, maintained and governed to assure ongoing acceptable levels of risk;
- consideration of all possible risk reduction measures to prevent or mitigate major accident hazards and the implementation of all reasonable measures to assure the facility is operating at acceptable levels of risk;
- established objectives and associated measurable performance standards for risk reduction measures;
- management systems that monitor and control the fitness of equipment and operational practices to reliably sustain safety performance;
- adequate emergency plans to contain, minimise and control a hazardous material emergency at the facility;
- adequate education and training provided for persons operating the facility to enable them to perform competently to the required standards;
- consultation with employees to identify and deal with risk at the facility;
- reviews of the SRA for the facility at appropriate intervals and the development of projects to further reduce the risk where practical; and
- implementation of effective governance processes which sets safety objectives, monitors and challenges the facility safety performance and enables achievement of safety objectives.



Orica Yarwun's facility at Fisherman's Landing



The Orica Yarwun facility situated at Reid Road, 9kms west of Gladstone.

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Living Near a Major Facility - What You Need to Know

Orica has operated at the Yarwun site for over 25 years and is committed to the safety of its employees and minimising the impact of our activities on the community and the environment.

We have a range of comprehensive measures in place to protect the community from potential hazards and incidents and it's important to us that you know what to do in the **unlikely** event of an incident with potential off-site impacts.

Orica Yarwun - Potential Major Incidents

Although unlikely, Orica through its comprehensive hazard identification process has identified the following incidents at the Orica Yarwun facility that may potentially have an off-site impact:

- Loss of containment of a hazardous gas that may have health impacts (ammonia and oxides of nitrogen).
- Accidental / unintended ignition of ammonium nitrate or materials containing ammonium nitrate.

Orica Yarwun - Emergency Response Plan

Our Emergency Response Plan sets out how Orica acts in the event of an emergency. It includes how to respond in the event of local, on-site and off-site emergencies. The plan is shared with Regulators and Emergency Services and is updated whenever new information becomes available.

In the case of an emergency with potential for off-site impacts, Orica will call 000 for Emergency Services. Emergency Services are the designated responders to emergencies, including those which have the potential for off-site impacts.

All personnel on site are trained in what to do if the emergency is activated. Orica Yarwun is a continuous manufacturing facility, we have fully trained emergency response personnel on-site 24 hours a day, 7 days per week. The facility is well placed to deal with any situation through procedures and a trained emergency response team. We also work closely with Emergency Services in routine combined exercises.

Community Emergency Response

In normal circumstances you should not need to do anything in the event of an emergency as it will be controlled by facility personnel or Emergency Services.

If the emergency does require you to take action or evacuate you will be notified by Emergency Services, as they are the only ones who can lawfully order an evacuation and you must follow their instructions.

In the unlikely event of a gas release emergency that affects the quality of air, Orica recommends that you immediately follow the instructions outlined below.

During an Emergency



Go immediately indoors.



Close external doors and windows.



Switch off any air-conditioners or exhaust fans.



Remain indoors until you receive instructions from Emergency Services.



Tune into the radio or television and listen for instructions. The "all clear" will be announced by Emergency Services.



The telephone should be used for emergencies only. This ensures that the lines are free for Emergency Services.

CONTACT DETAILS FOR MORE INFORMATION

If you would like further information about the Orica Yarwun facilities, or wish to discuss any of the material contained in this fact sheet please contact Orica's Community and Stakeholder Relations Advisor, on the contact details below.

 **1800 033 111 - Orica 24 Hour Emergency Response Number**

 **1800 061 426 - Orica Yarwun Community Enquiries Line**

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