

Registration certificate

Environmental Protection Act 1994

Registration certificate

No: ENRE00272405

This registration certificate is issued by the administering authority and takes effect from: 7 December 2011.

The anniversary day for the purposes of the Annual Return remains: 18 February.

This registration certificate is a requirement of section 73F of the *Environmental Protection Act 1994* and authorises the registered operator to undertake the activity listed below at the following places; subject to the conditions set out in a development approval attached to the premises, or the relevant code of environmental compliance.

Registered Operator:-

Chemprod Nominees Pty Ltd
21 Paw Paw Road
BROOKLYN VIC 3012

Development Approval Number: SR2216

Place:-

Lot 4 Plan S182121

Located at:-

20 Industrial Avenue, MOLENDINAR QLD 4214

Registered Activity/ies: -

ERA 7 Chemical manufacturing Threshold 6(c) - manufacturing, in a year, more than 10000t to 100000t of inorganic chemicals, other than inorganic chemicals to which items 1 to 3 apply

Place:-

Lot 16 Plan RP168126, Lot 17 Plan RP168126

Located at:-

32-34 Boron Street, SUMNER PARK BC QLD 4074

Registered Activity/ies: -

ERA 7 Chemical manufacturing Threshold 6(c) - manufacturing, in a year, more than 10000t to 100000t of inorganic chemicals, other than inorganic chemicals to which items 1 to 3 apply



Derek Robson
Department of Environment and Resource Management
Environmental Protection Act 1994
12-JAN-2012



Integrated Authority No. SR2216

Section 311 Environmental Protection Act 1994

This integrated authority, issued in accordance with section 311 of the Environmental Protection Act 1994 (the EP Act), provides for the carrying out of different Environmentally Relevant Activities or Environmentally Relevant Activities at different places managed in an integrated way. This integrated authority comprises of one or more types of environmental authority(ies) in accordance with sections 86, 93, 95, 104, 113 and 311, of the EP Act, and this integrated authority details the conditions that are relevant to each stated type of environmental authority.

Under the provisions of the Environmental Protection Act 1994 this integrated authority is issued to:

Chemprod Nominees Pty Ltd
 21 Paw Paw Road
 BROOKLYN VIC 3025

in respect of carrying out the Environmentally Relevant Activities (ERAs) at the different places and under the type of environmental authority described in Table 1.

This integrated authority is subject to the conditions set out in the attached schedules.

The anniversary date of this licence is 18 February.

This integrated authority takes effect from 18 February 2002.

Signed

Date

Michael Ronan
Acting Manager (Licensing)
 Delegate of Administering Authority
Environmental Protection Act 1994

Note: This integrated authority document is not proof of the current status of the integrated authority. The current status of the integrated authority may be ascertained by contacting the Environmental Protection Agency.

Table 1: This integrated authority consists of the following part(s):

Part 1: Licence/s (without development approval) (Section 93)

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
1	6(a)	Chemical manufacturing, processing or mixing – manufacturing or processing an inorganic chemical, or mixing inorganic chemicals, organic chemicals, or chemical products (other than mixing non-combustible or non-flammable chemicals or chemical products by dilution with water), in a plant or works having a design production capacity of 200 t or more but less than 20 000 t per year.	16 & 17	RP168126	32 – 34 Boron St, Sumner Park QLD 4074
1	84(b)	Regulated waste storage – operating a facility for receiving and storing other regulated waste, other than waste stored – (i) on a farm for use a soil conditioner or fertiliser in carrying out an agricultural activity; or (ii) for use in manufacturing a saleable product under another item of this schedule; or (iii) for incineration under item 76; or (iv) recycling, reprocessing or reconditioning under items 77 to 79 or 81.	16 & 17	RP168126	32 – 34 Boron St, Sumner Park QLD 4074
1	83(b)(i)	Regulated waste transport – transporting regulated waste commercially or in quantities of more than 250kg in a load for other regulated wastes for 1 or more licensed vehicles but less than 35 licensing vehicles.	Nil	Nil	As an itinerant activity within the state of Queensland.
1	7(b)	Chemical storage – storing chemicals (other than crude oil, natural gas, and petroleum products), including ozone depleting substances, gases or dangerous goods under the dangerous goods code in containers having a design storage volume of 1,000 m ³ or more.	859	SL4540	MacArthur Ave, Hamilton QLD 4010
1	6(a)	Chemical manufacturing, processing or mixing – manufacturing or processing an inorganic chemical, or mixing inorganic chemicals, organic chemicals, or chemical products (other than mixing non-combustible or non-flammable chemicals or chemical products by dilution with water), in a plant or works having a design production capacity of 200 t or more but less than 20 000 t per year.	4	RP5182121	20 Industrial Avenue, Ashmore QLD 4214

This integrated authority incorporates the following parts:

Part 1 - Licence/s (without development approval)

Each part consists of conditions relevant to various issues.

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PART 1 - LICENCE(S) (WITHOUT DEVELOPMENT APPROVAL) (Section 93)

This part is for the carrying out of a level 1 environmentally relevant activity without a development approval, under chapter 4, part 3, division 2, subdivision 1 of the Environmental Protection Act 1994.

Schedule A - Activity

Prevent and /or minimise likelihood of environmental harm

- (A1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority.

NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of measures, plant and equipment

- (A2) The holder must:
- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
 - maintain such measures, plant and equipment in a proper and efficient condition; and
 - operate such measures, plant and equipment in a proper and efficient manner.

Records

- (A3) Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

Integrated Environmental Management System

- (A4) The holder of this environmental authority must implement and maintain an Integrated Environmental Management System (IEMS) and ensure that the implemented IEMS provides for the effective and appropriate management of the actual and potential environmental impacts resulting from the carrying out of the environmentally relevant activities at all sites.
- (A5) The Integrated Environmental Management System must provide for at least the following functions:
- (i) The monitoring of releases of contaminants into the environment, for example measurement of the quantities and concentrations of releases of contaminants to the environment as required under this environmental authority;
 - (ii) The assessment of the environmental impacts of any releases of contaminants into the environment, for example any ambient environmental quality monitoring, noise monitoring or complaints monitoring required under this environmental authority; and
 - (iii) The training of all relevant staff, agents and contractors ("staff") to competent levels in at least the following:
 - (a) The environmental policy of the holder of this environmental authority so that staff are aware of any relevant commitments to environmental management; and

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- (b) Any relevant environmental objectives and targets so that all staff are aware of the relevant performance objectives and can work towards these; and
 - (c) Control procedures for routine operations for day to day operational activities to prevent or minimise environmental harm, however occasioned or caused; and
 - (d) Contingency plans and emergency procedures for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
 - (e) Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
 - (f) Effective communication to ensure two-way communication on environmental matters between operational staff and management, as well as communications with the administering authority; and
 - (g) Documentation systems so that appropriate records of environmental matters are kept to satisfy the holder of this environmental authority, the administering authority, and the community that the applicant is meeting environmental commitments; and
 - (h) Responsibilities of the holder of this environmental authority and staff under the Environmental Protection Act 1994 so that these can be met.
- (iv) The conduct of environmental and energy audits to review periodically:
- (a) the level of environmental performance; and
 - (b) the effectiveness of environmental management procedures adopted; and
 - (c) efficiency in using energy and resources and opportunities for more efficient usage.
- (v) The implementation of effective and appropriate practices and procedures for waste prevention, treatment and disposal (including implementation of any waste management plans or waste audits required for particular sites and/or activities under specific conditions of this environmental authority).
- (vi) A program for continuous improvement; and
- (vii) Reporting arrangements on the effectiveness of the environmental management of the activities.
- (A6) The conduct of environmental and energy audits required by condition A2(iv) must be carried out as often as necessary but not less frequently than the frequency specified below:
- (i) the level of environmental performance: annually;
 - (ii) the effectiveness of environmental management procedures adopted: once every two years;
 - (iii) efficiency in using energy and resources and opportunities for more efficient usage: within two (2) years of the granting of this environmental authority and then not less than once every five (5) years.
- (A7) The holder of this environmental authority must not implement an Integrated Environmental Management System or amend the Integrated Environmental Management System where such implementation or amendment would result in a contravention of any condition of the development approval which relates to the licensed place.



Regulated waste transport

- (A8) You must only use vehicles to transport waste that are registered on the electronic database held by the administering authority (the licensed vehicles)
- (A9) Records must be kept for five years, and must include the following information:
- date of pickup of waste;
 - description of waste;
 - cross reference to relevant waste transport documentation;
 - quantity of waste;
 - origin of the waste;
 - destination of the waste; and
 - intended fate of the waste, for example, type of waste treatment, reprocessing or disposal.

NOTE: Records of documents maintained in compliance with a waste tracking system established under the *Environmental Protection Act 1994* or any other law for regulated waste will be deemed to satisfy this condition.

END OF CONDITIONS FOR SCHEDULE A

Schedule B - Air

Nuisance

- (B1) The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance beyond the boundaries of the licensed place.
- (B2) The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place.

Dust nuisance

- (B3) The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any dust sensitive place.
- (B4) Exceedence of any of the following levels when measured at any dust sensitive place is an environmental nuisance for the purposes of condition B3.
- Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991; AND
 - A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a dust sensitive place downwind of the licensed place, when monitored in accordance with:
 - Australian Standard AS 3580.9.6 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method'; or
 - any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

- (B5) When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must include:
- for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time.
 - must be carried out a place(s) relevant to the potentially affected dust sensitive places and upwind control sites.

The release of contaminants to the atmosphere

- (B6) The release of contaminants to the atmosphere from a point source must only occur from those release points identified in Schedule B - Table 1 and Table 2 must be directed vertically upwards without any impedance or hindrance.
- (B7) Contaminants must be released to the atmosphere from a release point at a height and a flow rate not less than the corresponding height and velocity stated for that release point in Schedule B - Table 1 and Table 2.
- (B8) Contaminants must not be released to the atmosphere from a release point at a mass emission rate/concentration, as measured at a monitoring point, in excess of that stated in Schedule B - Table 1 and Table 2 and monitored not less frequently than Schedule B - Table 1 and Table 2.

Schedule B – Table 1 (Release of contaminants) Sumner Park

Release point source and number	Minimum release height (metres)	Minimum velocity (m/sec)	Contaminant release	Maximum release limit	Sampling frequency
Sumner Park – Milled bauxite storage silo fabric filter dust collector RP1	12	8	Total suspended particulates	30 mg/m ³	Annually
Sumner Park – Reactor vessel fume neutralising scrubber RP2	19	4.8	Sulphuric acid vapours	20 mg/m ³	Annually

Schedule B – Table 2 (Release of contaminants) Ashmore

Release point source and number	Minimum release height (metres)	Minimum velocity (m/sec)	Contaminant release	Maximum release limit	Sampling frequency
Ashmore – Crushing, sieving and bagging extraction system stack. RP3	16	4	Total suspended particulates	50 mg/m ³	6 monthly
Ashmore – Reactor vessel fume neutralising scrubber RP4	18	4.5	Sulphuric acid vapours (expressed as SO ₃)	20 mg/m ³	Annually



Schedule B – Table 3 (Release of contaminants) Sumner Park

Release point source and number	Minimum release height (metres)	Minimum velocity (m/sec)	Contaminant release	Maximum release limit	Sampling frequency
Ashmore – Aluminium hydrate storage silo fabric filter dust collector RP5	10	-	Total suspended particulates	30 mg/m ³	-

- (B9) When requested by the Administering Authority, contaminant monitoring and recording must be undertaken to investigate any complaint of contamination, and the results notified within 14 days to the administering authority. If you can provide evidence through monitoring that the limits in Schedule B Table 1 are not being exceeded then you shall not be in breach of condition B3 with regards to any release of the contaminants listed in Schedule B Table 1. When monitoring is requested the following must be complied with:
- monitoring provisions for the release points listed in Schedule B - Table 1 must comply with the Australian Standard AS 4323.1 - 1995 'Stationary source emissions Method 1: Selection of sampling positions'.
 - the following tests must be performed for each required determination specified in Schedule B - Table 1:
 - gas velocity and volume flow rate;
 - temperature
 - water vapour concentration (moisture content),
 - where practicable samples must be taken when emissions are expected to be at maximum rates.
 - during the sampling period the following additional information must be gathered:
 - production rate at the time of sampling;
 - raw materials used;
 - number of equipment and mixing vessels operating;
 - operating or mixing temperature;
 - product made; and
 - reference to the actual test methods and accuracy's.

END OF CONDITIONS FOR SCHEDULE B

Schedule C - Water

Release to waters

- (C1) Contaminants must not be released from the licensed place to any waters or the bed and banks of any waters.

Stormwater management

- (C2) There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.
- (C3) Spillage of all chemicals and fuels must be captured within an on-site containment system.

END OF CONDITIONS FOR SCHEDULE C

Schedule D – Noise and vibration

- (D1) Prevent the emission of noise, which causes or is likely to cause a nuisance at any noise affected premises. Nuisance includes noise that is or is likely to be annoying, intrusive or offensive to a person or a nuisance in the opinion of an authorised person.
- (D2) When requested by the Administering Authority noise monitoring must be undertaken to investigate any complaint of noise annoyance. Monitoring must include:
- L_A 10, adj, 10 mins
 - L_A 1, adj, 10 mins
 - the level and frequency of occurrence of impulsive or tonal noise;
 - atmospheric conditions including wind speed and direction;
 - effects due to extraneous factors such as traffic noise; and
 - location, date and time of recording.
- (D3) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR SCHEDULE D

Schedule E – Waste

Transport vehicles

- (E1) The regulated waste being transported must be compatible with the container.
- (E2) You must not cause or permit incompatible wastes to be mixed in the same container.
- (E3) Any vehicle registered with the administering authority may be replaced with another vehicle provided it is of similar type and no less fit for the transportation of the regulated waste.
- (E4) You must provide details of changes to the 'licensed vehicle' fleet to the administering authority prior to the use of these vehicles for the transport of any regulated waste. The information must be provided in the 'Details of regulated waste' form.
- (E5) Regulated waste is not permitted to be released from any vehicle or any container transported by that vehicle other than at a proper and appropriate place that can lawfully accept such waste.
- (E6) Any loss or spillage of regulated wastes must be cleaned up forthwith.
- (E7) Regulated waste must be handled and transferred in a proper and efficient manner to prevent any leakage or spillage of waste.
- (E8) All vehicles (including load areas), containers and secondary containers used to transport regulated waste must be:
- maintained in a proper and efficient condition at all times to prevent spillage or leakage of waste;
 - be kept clean at all times whilst regulated waste is not being transported; and
 - in the case of containers and secondary containers, mounted securely in a proper and efficient manner.

Type of regulated waste to be carried

(E9) The following regulated waste/s must not be transported under this authority:

- asbestos
- Infectious waste
- Cytotoxic wastes
- Equipment contaminated with infectious and/or cytotoxic waste

Insurance

(E10) You must hold and keep a current liability insurance policy with a third party property clause to cover costs of clean up or removal incurred by or on behalf of the administering authority as a result of fire, explosion, leakage or spillage of regulated waste as a result of any vehicle transporting regulated waste in the state of Queensland.

Waste handling

(E11) All regulated waste removed from the licensed place must be removed by a person who holds a current authority to transport such waste under the provisions of the *Environmental Protection Act 1994*.

Regulated waste acceptance

(E12) Except with written approval of the administering authority regulated waste materials accepted at the Sumner Park site are restricted to:

- washdown liquid from the Hamilton effluent pits; and
- sludge from the Ashmore effluent pit.

END OF CONDITIONS FOR SCHEDULE E

Schedule F – Land

(F1) Contaminants must not be released to land.

(F2) Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

END OF CONDITIONS FOR SCHEDULE F

Schedule G - Community

(G1) All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request.

END OF CONDITIONS FOR SCHEDULE G

Schedule H - Definitions

Words and phrases used throughout this licence or development approval are defined below:
Where a definition for a term used in this authority is sought and the term is not defined within this authority the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

"administering authority" means the Environmental Protection Agency or its successor.

"you" means the holder of this Environmental Authority and - or Development Approval.

"licensed place" means the place to which this environmental authority relates.

"authority" means level 1 licence (without development approval), or level 1 approval (without development approval), or level 2 approval (without development approval) under the *Environmental Protection Act 1994*.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*

"dust sensitive place" means -

- a dwelling, mobile home or caravan park, residential marina or other residential place;
- a motel, hotel or hostel;
- a kindergarten, school, university or other educational institution;
- a medical centre or hospital;
- a protected area;
- a park or gardens; or
- a place used as an office or for business or commercial purposes.

and includes the curtilage of any such place.

"odour sensitive place" has the same meaning as a "dust sensitive place"

"dwelling" means any of the following structures or vehicles that is principally used as a residence-

- a house, unit, motel, nursing home or other building or part of a building;
- a caravan, mobile home or other vehicle or structure on land;
- a water craft in a marina.

"noxious" means harmful or injurious to health or physical well being.

"offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

" L_A 10, adj, 10 mins" means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

" L_A 1, adj, 10 mins" means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response

" L_{Amax} adj, T" means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than 15 minutes, using Fast response. "noise affected premises" means a "noise sensitive place" or a "commercial place"

"noise sensitive place" means -

- a dwelling, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area; or
- a park or gardens.

"commercial place" means a place used as an office or for business or commercial purposes.



"intrusive noise" - means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -

- is clearly audible to, or can be felt by, an individual; and
- annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

"protected area" means -

- a protected area under the Nature Conservation Act 1992; or
- a marine park under the Marine Parks Act 1992; or
- a World Heritage Area.

"waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and any under groundwater, any part thereof.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

"regulated waste" means non-domestic waste mentioned in Schedule 7 of the *Environmental Protection Regulation 1998* (whether or not it has been treated or immobilised), and includes:

- for an element - any chemical compound containing the element; and
- anything that has contained the waste

"licensed vehicle" means a vehicle authorised to be used under the licence to transport regulated waste.

"registered vehicle" means "licensed vehicle"

"clinical waste" means waste that has the potential to cause disease including, for example, the following:

- animal waste;
- discarded sharps;
- human tissue waste;
- laboratory waste.

"infectious waste" means "clinical waste"

END OF CONDITIONS FOR SCHEDULE H

Schedule I - Site Plans

None

END OF CONDITIONS FOR SCHEDULE I

END OF INTEGRATED AUTHORITY