Permit[1]

Environmental Protection Act 1994

Environmental authority - EPPR00412213

This environmental authority is issued by the administering authority under Chapter 5 of the *Environmental Protection Act 1994*.

Permit[1] number: EPPR00412213

Environmental authority takes effect on 11/04/2017.

The anniversary date of this environmental authority is the 12-MAY. An annual return and the payment of the annual fee will be due each year on this day.

Environmental authority holder

Name	Principal address
Ivory's Rock Foundation	Mount Flinders Road PEAK CROSSING QLD 4306

Environmentally relevant activity and location details

Environmentally relevant activity	Location
63-(1c) Sewage treatment – operating sewage treatment works, other than no-release works, with a daily peak design capacity of - more than 1500 but not more than 4000EP	Mount Flinders Road, PEAK CROSSING QLD – Lot 2 Plan RP61267 and Lot 1 Plan RP201746

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority is issued is a restatement of the ERA as defined by legislation at the time the approval is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an environmental authority as to the scale, intensity or manner of carrying out an ERA, then the conditions prevail to the extent of the inconsistency.

An environmental authority authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the authority specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

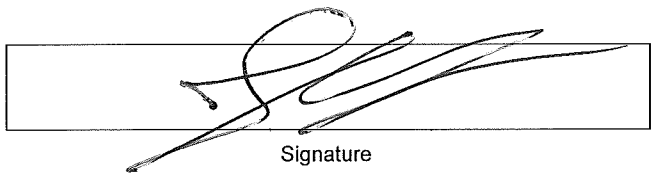
Contaminated land

[1] Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation

It is a requirement of the EP Act that an owner or occupier of land give written notice to the chief executive if they become aware of the following:

- a notifiable activity (as defined in Schedule 3) that is being, or has been, carried out on the land (notice must be given within 20 business days)
- an event involving a hazardous contaminant on the land, or a change in the condition of the contaminated land, that is causing, or is reasonably likely to cause, serious or material environmental harm (notice must be given within 24 hours).

For further information, including the form for giving written notice, refer to the Queensland Government website http://www.qld.gov.au/ (using the search term 'managing contaminated land').



Signature

11/4/2017

Date

Tariq Khan
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

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Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319);
- duty to notify environmental harm (section 320-320G);
- offence of causing serious or material environmental harm (sections 437-439);
- offence of causing environmental nuisance (section 440);
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG); and
- offence to place contaminant where environmental harm or nuisance may be caused (section 443).

Conditions of environmental authority

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the following site specific conditions of approval.

Schedule A – General Conditions	
Condition number	**Condition**
Maintenance of Plant and Equipment	
A1	The holder of this development approval must: (i) install all plant and equipment necessary to ensure compliance with the development conditions of this development approval; and (ii) maintain such plant and equipment in a proper and efficient condition; and (iii) operate such plant and equipment in a proper and efficient manner. In this development condition, "plant and equipment" includes: (i) plant and equipment used to prevent and/or minimise the likelihood of environmental harm being caused; (ii) devices and structures to contain foreseeable escapes of contaminants and waste; (iii) vehicles used to transport waste; (iv) devices and structures used to store, handle, treat and dispose of waste; (v) monitoring equipment and associated alarms; and (vi) backup systems that act in the event of failure of the primary system.
Display of Development approval	
A2	A copy of this development approval must be kept in a location readily accessible to personnel carrying out the activity.

Trained Operators	
A3	All persons engaged in the conduct of the activity, including but not limited to employees and contract staff, must be: (i) trained in the procedures and practices necessary to: (a) comply with the development conditions of this development approval, and (b) prevent environmental harm during normal operation and emergencies; or (ii) under the close supervision of such a trained person.
Records	
A4	Any record or document required to be kept by a development condition of this development approval must be kept at the premises to which this development approval relates for a period of at least five (5) years and be available for examination by an authorised person. The record retention requirements of this development condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.
Alterations	
A5	No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this development approval. An example of a substantial increase in the risk of environmental harm is an increase of ten percent (10%) or more in the quantity of the contaminant to be released into the environment.
Calibration	
A6	All instruments and devices used for the measurement or monitoring of any parameter under any development condition of this development approval must be calibrated, and appropriately operated and maintained.
Site-Based Management Plan	
A7	Three (3) months prior to the commencement of the activity, the holder of this development approval, must develop and implement an effective and appropriate Site-based Management Plan which details how the holder of this development approval will manage the actual and potential environmental impacts resulting from the carrying out of the environmentally relevant activity.

A8	The Site-based Management Plan must address at least the following matters: (i) routine operating procedures to prevent or minimise environmental harm, however occasioned or caused during normal operations; (ii) maintenance practices and procedures; (iii) contingency plans and emergency procedures to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); (iv) monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results; (v) assessment of the environmental impact of any releases of contaminants into the environment including procedures, methods, record keeping and notification of results; (vi) handling of environmental complaints; (vii) keeping and production of environmental records and reports; (viii) lines and methods of communication to be utilised for communication of procedures, plans, incidents, potential environmental problems and results, including a feedback mechanism to ensure that management is made aware of potential environmental problems and any failure of procedures adopted; and (ix) staff training and awareness of environmental issues related to the operation of the environmentally relevant activities, including responsibilities under the *Environmental Protection Act*.
A9	A copy of the Site-based Management Plan and any subsequent amendment of the Site-based Management Plan must be kept at the premises to which this development approval relates and be available for examination by an authorised person on request.
Schedule B – Air	
Condition number	**Condition**
Noxious or Offensive Odour	
B1	Notwithstanding any other development condition of this development approval, no release of contaminants from the premises to which this development approval relates is to cause a noxious or offensive odour beyond the boundaries of the premises to which this development approval relates.
Schedule C – Water	
Condition number	**Condition**
Release of Contaminants to Waters	
C1	Contaminants must not be directly or indirectly released from the premises to which this development approval relates to any waters or the bed and banks of any waters except: (i) as permitted under the water schedule; or (ii) as permitted under the stormwater management schedule; or (iii) to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.

Schedule D – Stormwater Management	
D1	Except as otherwise provided by the conditions of the stormwater management schedule and the water schedule of this development approval, the environmentally relevant activity must be carried out by such practicable means necessary to prevent and/or minimise the release or likelihood of release of contaminated runoff from the premises to which this development approval relates to any stormwater drain or waters or the bed or banks of any such waters. "Contaminated runoff" for the purposes of this condition means stormwater and/or stormwater runoff that contains contaminants that may cause environmental harm.
Maintenance and Cleanup	
D2	Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters.
D3	The maintenance and clean-up of vehicles and other equipment or plant must be carried out in areas from where contaminants cannot be released into any waters, roadside gutter or stormwater drainage system.
Pond Conditions	
D4	All ponds used for the storage or treatment of contaminants or wastes must be installed and maintained to prevent any discharge through the bed or banks of the pond from causing environmental harm in any waters (including groundwaters).
D5	All ponds used for the storage or treatment of contaminants or wastes must be constructed and maintained to ensure the stability of the ponds' construction.
D6	Ponds or other structures used for the storage or treatment of contaminants or wastes, including any associated pumps and control equipment, must not be located in any area below the one in ten year flood level.
D7	Suitable banks and/or diversion drains must be installed and maintained to exclude stormwater runoff from any ponds or other structures used for the storage or treatment of contaminants or wastes.
Schedule E – Land Application	
Condition number	**Condition**
Release of Contaminants to Land	
E1	The only contaminants to be released to land is treated sewage effluent from the wet weather storage dam.
Contaminant Release Location	
E2	The defined contaminant release area is - Area 1, Area 4, Area 5, Area 8, Area 9 and Area 10 depicted in Drawing No. HY002 in Schedule J of this development approval.
E3	The total quantity of contaminants released daily to the contaminant release area must not exceed 30 cubic metres per day.
E4	A flow meter must be installed in such a manner as to monitor the daily discharge of effluent from the wet weather storage to the contaminant release area.
E5	A minimum of ten point four (10.4) hectares of land must be provided for contaminant release area.

Quality of Contaminants from the Sewage Treatment Plant to the Wet Weather Storage Dam

E6 The contaminants released from the sewage treatment plant to the Wet Weather Storage Dam must comply, at the sampling and in-situ measurement point(s) specified in Schedule H, with each of the release limits specified in Schedule E - Table 1 for each quality characteristic.

Schedule E – table 1 – Release Quality Characteristic Limits

QUALITY CHARACTERISTICS	RELEASE LIMIT	LIMIT TYPE
5-day Biochemical Oxygen Demand (mg/l)	20	80 percentile compliance
5-day Biochemical Oxygen Demand (mg/l)	40	maximum
Suspended Solids mg/L	30	80 percentile compliance
Suspended Solids (mg/l)	60	maximum
Total Nitrogen (as Nitrogen) mg/L	10.0	80 percentile compliance
Total Nitrogen (as Nitrogen) mg/L	20.0	maximum
Total Phosphorus (as Phosphorus)(mg/L)	15.0	maximum
pH	6.5 to 8.5	range
Dissolved Oxygen mg/L	2.0	minimum
Faecal Coliforms	10 organisms per 100 mL as a median value (minimum of 5 samples taken at not less than half-hourly intervals in any one day, with 4 out of the 5 samples containing less than 40 organisms per 100 mL).	

E7 Notwithstanding the quality characteristic limits specified in Table 1 of the land application schedule the contaminants must not have any properties nor contain any organisms or contaminants in concentrations which are capable of causing environmental harm.

Quantity of Contaminants Released from the Sewage Treatment Plant

E8 A flow meter must be installed in such a manner as to monitor the hydraulic flow of effluent from the sewage treatment plant.

E9 The hydraulic flow rate must be recorded daily.

Wet Weather Storage

E10 When weather conditions or soil conditions preclude the release of contaminants, the contaminants must be directed to a wet weather storage dam.

E11 The wet weather storage dam must be designed to hold a volume of a least four (4) megalitres.

E12 After wet weather all reasonable and practicable measures must be taken (if required) to dispose of effluent to reduce the volume in the wet weather storage dam to less than 75% of the total volume of the storage.

High Level Alarms	
E13	Whenever the level in the wet weather storage dam exceeds ninety-five percent (95%) capacity, the holder of this development approval must take action as soon as reasonably practicable to reduce the stored level to less than ninety-five percent (95%) capacity by removal of stored effluent via a licensed contractor for off-site disposal to a licensed sewage treatment plant.
Contaminant Release Precautions	
E14	The release of contaminants to land must not be carried out if soil moisture conditions are such that surface runoff or ponding is likely to occur.
E15	The contaminant release areas must be maintained in a proper and efficient condition so as to provide adequate assimilation, percolation, evaporation and transpiration of the released contaminants.
E16	Spray from any release of contaminants to land must not drift beyond the boundaries of the premises to which this development approval relates.
E17	Public access to any contaminant release area must be denied during the release of contaminants to land and for twenty four (24) hours following the release or until the release area has dried.
E18	Notices warning the public not to use or drink the release of contaminants to land must be prominently displayed and must be maintained in a visible and legible condition.
E19	Pipelines and fittings for the release of contaminants to land must be clearly identified. Standard water taps, hoses and cocks must not be fitted to contaminant release pipelines, and the contaminant release system must not be connected to other service pipelines. Lockable valves or removable handles must be fitted to the contaminant release pipelines where there is public access to the contaminant release areas.
Effluent Irrigation Management Plan	
E20	Three (3) months prior to the commencement of the activity, the holder of this development approval must develop and implement an Irrigation Management Plan which details how the holder of this development approval will effectively and appropriately manage the effluent irrigation process so as to ensure that the release of effluent to land is carried out in an environmentally sustainable manner.

E21	The Irrigation Management Plan must detail how irrigation is to be managed and scheduled having regard to at least the following: (i) soil moisture results; (ii) weather forecasts and climate monitoring results; (iii) irrigation records for each effluent disposal area (iv) characteristics and quantity of contaminants which are applied, including biochemical oxygen demand, suspended solids, total nitrogen, total phosphorus, conductivity, dissolved oxygen, pH, total dissolved salts; (v) characteristics of the soil in the contaminated release area, including pH, salinity, total dissolved salts, total nitrogen, total phosphorus, total potassium, sodium, calcium, magnesium, calculated Sodium Adsorption Ratio, exchangeable cations; (vi) type of vegetation intended to be grown in the contaminant release area (vii) cropping practice for each effluent disposal area; (viii) management practices for the irrigation dam to prevent algal blooms (ix) sustainable hydraulic loadings for the contaminant release area; (x) sustainable biological oxygen demand loadings for the contaminant release area; (xi) sustainable nitrogen loadings for the contaminant release area; (xii) sustainable phosphorous loadings for the contaminant release area; (xiii) sustainable salt loadings for the contaminant release area; and (xiv) production of appropriate records and reporting of results and environmental issues.
E22	A copy of the Irrigation Management Plan must be provided to the administering authority a month after the commencement of the activity to which this development approval relates.
E23	A copy of the Irrigation Management Plan must be kept at the premises to which this development approval relates.
E24	The holder of this development approval must submit details of any amendment to the Irrigation Management Plan to the administering authority with the annual return which immediately follows the enactment of any such amendment.

Schedule F – Noise	
Condition number	**Condition**
Emission of Noise	
F1	In the event of a complaint about noise that constitutes intrusive noise being made to the administering authority, that the administering authority considers is not frivolous or vexatious, then the emission of noise from the premises to which this development approval relates must not result in levels greater than those specified in Schedule F - Table 1.

Schedule F – Table 1

NOISE LIMITS AT A NOISE SENSITIVE PLACE	
Period	**Noise Level at a Noise Sensitive Place Measured at the adjusted Maximum Sound Pressure Level $L_{Amax\ adj,\ T}$**
7 am - 6 pm	Background noise level plus 5 dB(A)
6 pm - 10 pm	Background noise level plus 5 dB(A)
10 pm - 7 am	Background noise level plus 3 dB(A)
NOISE LIMITS AT A COMMERCIAL PLACE	
Period	**Noise Level at a Commercial Place Measured at the adjusted Maximum Sound Pressure Level $L_{Amax\ adj,\ T}$**
7 am - 6 pm	Background noise level plus 10 dB(A)
6 pm - 10 pm	Background noise level plus 10 dB(A)
10 pm - 7 am	Background noise level plus 8 dB(A)

Schedule G – Waste Management	
Condition number	**Condition**
General	
G1	The holder of this development approval must not: (i) allow waste to burn or be burnt at or on the premises to which this development approval relates; nor (ii) remove waste from the premises to which this development approval relates and burn such waste elsewhere other than an appropriate licensed waste disposal facility that can lawfully burn such waste.
Off Site Movement	
G2	All transport of regulated waste generated in carrying out the environmentally relevant activity must be transported by a proper and appropriate licensed waste transporter that can lawfully transport such waste.
G3	All disposal of regulated waste generated in carrying out the environmentally relevant activity must be to a proper and appropriate licensed waste disposal facility that can lawfully accept such waste or to a facility that can lawfully and appropriately reuse and/or recycle such waste, except as specifically provided for under the conditions of this development approval.

G4	Where regulated waste is removed from the premises to which this development approval relates (other than by a release as permitted under another schedule of this development approval), the holder of this development approval must monitor and keep records of the following: (a) the date, quantity and type of waste removed; and (b) the name of the waste transporter and/or disposal operator that removed the waste; and (c) the intended treatment/disposal destination of the waste. (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).
Notification of Improper Disposal Of Regulated Waste	
G5	If the holder of this development approval becomes aware that a person has removed regulated waste from the premises to which this development approval relates and disposed of the regulated waste in a manner which is not authorised by this development approval or is improper or unlawful, then the holder of this development approval must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.
Schedule H – Self Monitoring and Reporting	
Condition number	**Condition**
Complaint Recording	
H1	All complaints received by the holder of this development approval relating to releases of contaminants from operations at the premises to which this development approval relates must be recorded in a log and kept with the following details: (i) time, date and nature of complaint; (ii) type of communication (telephone, letter, personal etc.); (iii) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded); (iv) response and investigation undertaken as a result of the complaint; (v) name of person responsible for investigating complaint; and (vi) action taken as a result of the complaint investigation and signature of responsible
H2	The complaints record required by development Condition H1 must be maintained for a period of not less than five (5) years

Monitoring of Contaminant Releases from the Sewage Treatment Plant to the Wet Weather Storage Dam

H3

For the purposes of checking confirmation with Condition E6 of the Land Application Schedule the holder of this development approval must be responsible for the making of determinations and keeping of records of the quality of the contaminants released from the sewage treatment plant for the quality characteristics, and the frequency specified in Schedule H – Table 1:

Schedule H – Table 1

QUALITY CHARACTERISTICS	UNITS	MONITORING FREQUENCY
5-day Biochemical Oxygen Demand (inhibited)	mg/L	Monthly
Suspended Solids	mg/L	Monthly
pH	pH scale	Monthly
Dissolved Oxygen	mg/L	Monthly
Total Nitrogen (as Nitrogen)	mg/L	Monthly
Total Phosphorous (as Phosphorous)	mg/L	Monthly
Boron	mg/L	Quarterly
Faecal Coliforms	cfu/100ml	Monthly

Sampling and In-situ Monitoring Points Details

H4

Determinations of the quality of contaminants released with the release quality characteristics specified in Schedule H Table 1 of this development approval must be undertaken at the sampling and in-situ measurement point described as at the outlet of the sewage treatment plant prior to discharge to the wet weather storage dam.

Monitoring of Contaminants Released to Land from the Wet Weather Storage Dam

H5 The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the contaminants released from the wet weather storage dam for the quality characteristics, and the frequency specified in Schedule H – Table 2:

Schedule H – Table 2

QUALITY CHARACTERISTICS	UNITS	MONITORING FREQUENCY
5-day Biochemical Oxygen Demand (inhibited)	mg/L	Six monthly
Suspended Solids	mg/L	Six monthly
pH	pH scale	Six monthly
Faecal Coliforms	cfu/100ml	Six monthly
Total Nitrogen (as Nitrogen)	mg/L	Six monthly
Total Phosphorous (as Phosphorous)	mg/L	Six monthly
Sodium Adsorption ratio	calculated	Six monthly
Dissolved Solids	mg/L	Six monthly
Total Dissolved Salts (calculated)	mg/L	Six monthly
Specific Conductance or electrical Conductivity	µS/cm	Six monthly
Exchangeable Cations	mg/L	Six monthly
Potassium	mg/L	Six monthly
Total Calcium	mg/L	Six monthly
Total Chloride	mg/L	Six monthly
Total Magnesium	mg/L	Six monthly
Total Sodium	mg/L	Six monthly
Total Sulphate	mg/L	Six monthly

Sampling and In-situ Monitoring Points Details

H6 Determinations of the quality of contaminants released with the release quality characteristics specified in Schedule H Table 2 of this environmental authority must be undertaken at the sampling and in-situ measurement point described as at the outlet of the irrigation pump.

Quality Determinations

H7 All determinations of the quality of contaminants released to land must be made in accordance with methods prescribed in the Environmental Protection Agency Water Quality Sampling Manual, 3rd Edition, December 1999, or more recent additions or supplements to that document as such become available.

H8 All determinations of the quality of contaminants released must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.

Contaminant Release Area Monitoring Program

H9 The holder of this development approval must develop and implement a Contaminant Release Area Monitoring Program to effectively monitor the condition of the land to which contaminants are released.

H10 Monitoring required by development Condition H9 shall include the taking of top soil and sub-soil samples from each of the six (6) irrigation dispersion areas for the quality characteristics and at the frequency specified in Schedule H - Table 3.

Schedule H - Table 3

QUALITY CHARACTERISTICS	UNITS	MONITORING FREQUENCY
pH	pH scale	Annually
Total Nitrogen (as Nitrogen)	mg/L	Annually
Total Phosphorous (as Phosphorous)	mg/L	Annually
Specific Conductance or Electrical Conductivity	µS/cm	Annually
Exchangeable cations	mg/L	Annually
Potassium	mg/L	Annually
Total Calcium	mg/L	Annually
Total Chloride	mg/L	Annually
Total Magnesium	mg/L	Annually
Total Sodium	mg/L	Annually
Total Sulphate	mg/L	Annually
Boron	mg/L	Annually

H11 Not more than six (6) calendar months after the date of issue of this development approval, the holder of this development approval must submit a proposal for the Contaminant Release Area Monitoring Program to the administering authority.

H12 The proposal for the Contaminant Release Area Monitoring Program must include but not be limited to the following:

(i) the locations of monitoring stations including soil types and depths;
(ii) the proposed vegetation characteristics to be monitored ;and
(iii) harvesting practice to ensure the proper maintenance of the irrigation area.

H13 The holder of this development approval must submit with the annual return a report on the Contaminant Release Area Monitoring Program including an assessment of the impact and sustainability of the application of treated sewage effluents to the contaminant release area and whether the release is being carried out in an environmentally sustainable manner. This report shall include an interpretation of the results and conclusions by an expert in the field of effluent land disposal.

Noise Monitoring

H14 For the purposes of investigating any complaint made of unreasonable intrusive noise and also of checking compliance with development Condition F1, monitoring and recording of the noise levels from the activity/activities must be undertaken for the following descriptions, characteristics and development conditions:

(i) $L_{Amax, adj. T}$;
(ii) $L_{Abg, T}$ (or $L_{A90, T}$);
(iii) $L_{AN, T}$ (where N equals statistical levels of 1, 10, 50, 90 and 99);
(iv) Max $L_{pA T}$;
(v) $L_{Aeq, T}$;
(vi) the level and frequency of occurrence of impulsive or tonal noise;
(vii) atmospheric conditions including temperature, relative humidity and wind speed and direction; and
(viii) effects due to extraneous factors such as traffic noise.

H15	Noise monitoring must also be undertaken to investigate any complaint of unreasonable intrusive noise upon receipt of a written request from the administering authority to carry out such monitoring.
H16	The method of measurement and reporting of noise levels must comply with the Department of Environment and Heritage Noise Measurement Manual, second edition, March 1995, or more recent additions or supplements to that document as become available.
H17	The measurement and reporting of noise levels must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required measurements.
H18	In conjunction with the measurement and recording of the noise, the location, the date and time of the recording must be included in the record.
H19	Records must be kept of the results of all monitoring of noise levels and other information required to be recorded in conjunction with such monitoring for a period of at least five (5) years.
Incident Recording	
H20	A record must be maintained of events including but not limited to: (i) the time, date and duration of equipment malfunctions, that may affect the environmental performance of the premises to which this development approval relates; and (ii) any shut-downs of equipment upon which the environmental performance of the premises to which this development approval relates depends.
Notification of Emergencies and Incidents	
H21	Where the holder of this development approval has not given notification to the administering authority under section 320 of the *Environmental Protection Act*, as soon as practicable after becoming aware of any emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the development conditions of this development approval, the holder of this development approval must notify the administering authority of the release by telephone, facsimile or email.
H22	Where the holder of this development approval has not given notification to the administering authority under section 320 of the Environmental Protection Act, the notification of emergencies or incidents as required by development Condition H21 must include but not be limited to the following: (i) the holder of the development approval; (ii) the location of the emergency or incident; (iii) the number of the development approval; (iv) the name and telephone number of the designated contact person; (v) the time of the release; (vi) the time the holder of the development approval became aware of the release; (vii) the suspected cause of the release; (viii) the environmental harm caused, threatened, or suspected to be caused by the release; and (ix) actions taken to prevent further any release and mitigate any environmental harm caused by the release.

H23	Where the holder of this development approval has not given notification to the administering authority under section 320 of the Environmental Protection Act, not more than fourteen (14) days following the initial notification of an emergency or incident, the holder of the development approval must provide written advice of the information supplied in accordance with development Condition H22 in addition to: (i) proposed actions to prevent a recurrence of the emergency or incident; and (ii) outcomes of actions taken at the time to prevent or minimise environmental harm; (iii) the results of any environmental monitoring performed.
Exception Reporting	
H24	The holder of this development approval must notify the administering authority in writing within twenty-eight (28) days of completion of analysis of any result of a monitoring program required by a development condition of this development approval which indicates an exceedance of any limit specified in this development approval.
H25	The written notification required by development Condition H24 must include: (i) the full analysis results, and (ii) details of investigation or corrective actions taken, and (iii) any subsequent analysis.
Monitoring Reporting	
H26	The holder of this development approval must ensure that the results of all monitoring performed in accordance with this development approval for the period covered by the annual return are submitted with the annual return.
H27	Contaminant release quality pertaining to the yearly period, compiled, collected or recorded in accordance with development Conditions H3 and H5 shall be presented: (i) in a tabular format, showing: (a) date, times, and day of week sampled; (b) all raw data; (c) any exceedance of levels of all parameters specified in Schedule E - Table 1; (d) maximum and minimum values for parameters specified in Schedule H - Table 1; and (ii) graphically showing data referred to in part (i) of this development condition vs time.

Schedule I - Definitions

For the purposes of this development approval any term not otherwise defined in the Act and any subordinate legislation made pursuant to the Act or in the definitions schedule of this development approval has the meaning conferred to that term in its common usage.

In the event of any inconsistency arising between the meaning of any term provided in the definitions schedule of this development approval and any common usage of that term, the meaning conferred in the definitions schedule of this development approval prevails.

"Act" means the *Environmental Protection Act 1994.*

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

"authorised person" means an authorised person as defined under the *Environmental Protection Act, 1994.*

"land" in the land application schedule, means land excluding waters and the atmosphere.

"holder" means the owner, the owner's successors in title and any occupier of the premises to which this development approval relates.

"mg/L" means milligrams per litre.

"cfu" means colony forming units.

"80 percentile compliance" means that not more than three (3) of the measured values of the quality characteristic are to exceed the stated release limit for any twelve (12) consecutive samples where:

(i) the consecutive samples are taken over a one year period;
(ii) the consecutive samples are taken at approximately equal periods; and
(iii) the time interval between the taking of each consecutive sample is not less than twenty-five days.

"50 percentile compliance" means that the median value of the measured values in ranked order of the quality characteristic is not to exceed the stated release limit for any twelve (12) consecutive samples where:

(i) the consecutive samples are taken over a one year period;
(ii) the consecutive samples are taken at approximately equal periods; and
(iii) the time interval between the taking of each consecutive sample is not less than twenty-five days.

"median" means the middle value, where half the data are smaller, and half the data are larger. If the number of samples is even, the median is the arithmetic average of the two (2) middle values.

"maximum" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

"minimum" means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.

"Sodium adsorption ratio" (SAR) means the relative concentration of sodium (Na) to calcium (Ca) and magnesium (Mg) in the soil solution.

"$L_{Amax\ adj,\ T}$" 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.

"Background noise level" means:

> $L_{A90,\,T}$ being the A-weighted sound pressure level exceeded for 90 percent of the time period of not less than 15 minutes, using Fast response.

"Max $L_{pA\,T}$" means the maximum A-weighted sound pressure level measured over a time period of not less than 15 minutes, using Fast response.

"total Nitrogen" means the sum of Organic Nitrogen, Ammonia, Nitrite plus Nitrate, as mg/L of Nitrogen.

"total Phosphorus" means the sum of the reactive phosphorus, acid-hydrolysable phosphorus and organic phosphorus, as mg/L of Phosphorus. This includes both the inorganic and organic fraction of phosphorus.

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

"noise sensitive place" means -

(i) a dwelling, mobile home or caravan park, residential marina or other residential premises; or
(ii) a motel, hotel or hostel; or
(iii) a kindergarten, school, university or other educational institution; or
(iv) a medical centre or hospital; or
(v) a protected area; or
(vi) a park or gardens.

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

(a) is clearly audible to, or can be felt by, an individual; and
(b) annoys the individual.

In determining whether a noise annoys an individual, regard must be had to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 Application to Specific Situations or supplements to that document as such become available.

"regulated waste" means non-domestic waste mentioned in schedule 8 of the Environmental Protection (Interim) Regulation 1995, including but not limited to, for the purpose of this authority, bacterial sludge (septic tank and sewage) and includes -

(i) for an element - any chemical containing the element; and
(ii) anything that has contained a regulated waste; and
(iii) regulated waste that has been treated or immobilised.

"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.

"environmentally sustainable manner" means a manner in which the likelihood of environmental harm being caused is minimised. The term includes ensuring that the capacity of the irrigation area to assimilate the release of contaminants on an ongoing basis is maintained and that adverse effects to environmental values of waters, ecological health and public amenity and safety are not likely

"annual return" means the return required by the annual notice (under section 68 of the Environment Protection Act, 1994) for the section 60J licence that applies to the development approval.

Schedule J – Plan of Development – Contaminant Release Area



END OF PERMIT