Permit[1]

Environmental Protection Act 1994

Environmental authority

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

Permit[1] number: EPPR00952413

Environmental authority takes effect on 4 November 2013

The anniversary date of this environmental authority remains 21 November 2013. An annual return and the payment of the annual fee which is currently $4,857.60 will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Brisbane City Council	228 Curtain Ave West EAGLE FARM QLD 4009

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr 33-Crushing, milling, grinding or screening >5000t yr	226 Pine Mountain Road MT GRAVATT - Lot 6 Plan 13342, Lot 7 Plan 13342 and Lot 1 Plan 139396, Lot 512 on SL444.

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.

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

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

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being, contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.

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)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

[signature]	04/11/13
Signature	Date

Aaron Fenech

Department of Environment and Heritage Protection

Delegate of the administering authority

Environmental Protection Act 1994

Enquiries:

Luke Stephan
Brisbane South
LeveL 8 400 George Street
GPO Box 2454
BRISBANE CITY QLD 4000
Phone: (07) 3330 5622
Email: luke.stephan@ehp.qld.gov.au

Conditions of environmental authority

Agency interest: General	
Condition number	**Condition**
G1	In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent and / or minimise the likelihood of environmental harm being caused.
G2	The operator of an ERA to which this approval relates must: (a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and (b) maintain such measures, plant and equipment in a proper and efficient condition; and (c) operate such measures, plant and equipment in a proper and efficient manner.
G3	From commencement the activity, a site based management plan (SBMP) must be implemented.
G4	The SBMP must address the following matters: (a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals. (b) Identification of environmental issues and potential impacts. (c) Control measures for routine operations to minimise likelihood of environmental harm. (d) Contingency plans and emergency procedures for non-routine situations, including flood. (e) Organisational structure and responsibility. (f) Effective communication. (g) Monitoring of contaminant releases. (h) Conducting environmental impact assessments. (i) Staff training in all relevant aspects of the SBMP to ensure compliance with the conditions of this approval. (j) Record keeping, including the documentation of training relevant to the SBMP. (k) Periodic review of environmental performance and continual improvement.
G5	The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.

G6	All records required by this approval must be kept for 5 years.
G7	You must record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.
G8	You must notify the administering authority as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.
G9	You must ensure that the results of all monitoring and assessment of results performed in accordance with this approval for the period covered by the annual return are submitted with the Annual Return.
G10	An appropriately qualified person must conduct any monitoring required by this approval.
G11	A written notice detailing the following information must be provided to the department within 14 days of any advice provided in accordance with condition G8: i) the name of the operator; ii) the name and telephone number of a designated contact person; iii) quantity and substance released; iv) the location and time of the release; v) the suspected cause of the release; vi) a description of the effects of the release; vii) the results of any sampling performed in relation to the release, vii) actions taken to mitigate any environmental harm caused by the release; and viii) proposed actions to prevent a recurrence of the release.
G12	You must record the following details for all complaints received and provide this information to the administering authority on request: (i) time, date, name and contact details of the complainant; (ii) reasons for the complaint; (iii) any investigations undertaken; (iv) the results of any sampling, modelling or monitoring undertaken; (v) conclusions formed; and (vi) any actions taken.

G13	You must develop and progressively implement a Site Rehabilitation Program detailing practices and means necessary to prevent environmental harm during and after decommissioning of the environmentally relevant activities which addresses the following matters: (i) the final land use of the site; (ii) the allowance for the maintenance of an adequate riparian zone and a buffer distance of at least 30 metres between Salvin Creek and the edge of the extraction and measures to protect Salvin Creek against erosion susceptibility; (iii) the proposed shaping of the final landform after rehabilitation including an assessment of the stability of all works such as buffer distances and batter slopes; (iv) proposed nature of materials utilised and techniques employed for any proposed backfilling of extracted areas such as filling, compaction, topsoiling, dewatering, overburden return and any other soil amelioration leading to vegetation establishment; (v) rehabilitation measures such as irrigation, weed control, use of local native plant/seedling selections, site security and any other remedial works during the rehabilitation works; (vi) prevention or minimisation of windblown dust from stockpiles, remnant raw material stockpiles and rehabilitation earthworks; (vii) prevention or treatment of the release of contaminated stormwater runoff from raw material stockpiles and disturbed areas to the bed or banks of Salvin Creek; (viii) assessment of the likely impact on the water quality in the Salvin Creek from rehabilitation works. Matters to be assessed include: a) likely uses and environmental values of the waters (including any lakes or ponds); b) applicable water quality criteria to protect these values; c) monitoring of water quality to confirm that water quality criteria are met; and d) proposed remedial measures if water quality objectives are not met; (ix) an implementation program and timetable for all works proposed; and (x) keeping of appropriate records of rehabilitation measures implemented including taking of photographs demonstrative of rehabilitation achieved and the preparation each year of a rehabilitation progress report detailing the outcomes of the rehabilitation program for the twelve (12) months prior to the date of annual return.
G14	Records referred to in condition G13 must be made available to the administering authority upon request.
G15	The only material to be placed in any void or pond on the approved place must be clean earthen fill, brick, pavers, ceramics and concrete (including embedded steel reinforcing rods) pulverised to a maximum 300mm nominal size.
G16	Effective erosion and sediment controls must be provided and maintained during site clearing and excavation works. Such measures must include diversion drainage works and sediment traps.

G17	Temporary overburden stockpiles (defined as areas non-operational for periods in excess of 3 months), and bund walls must be revegetated as soon as practicable.
Agency interest: Air	
Condition number	**Condition**
A1	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 nuisance sensitive place.
A2	The following limits are not to be exceeded when measured at any nuisance sensitive or commercial place: (i) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 Methods for sampling and analysis of ambient air - Determination of particulates - Deposited matter - Gravimetric method of 2003 (or more recent editions); and (ii) A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM_{10}) suspended in the atmosphere of 50 micrograms per cubic metre over a 24 hour averaging time, at a sensitive place downwind of the operational land, when monitored in accordance with: (a) Particulate matter - Determination of suspended particulate PM_{10} high-volume sampler with size-selective inlet - Gravimetric method, when monitored in accordance with *AS 3580.9.6 Methods for sampling and analysis of ambient air - Determination of suspended particulate matter - PM (sub) 10 high volume sampler with size-selective inlet - Gravimetric method* of 2003 (or more recent editions); or (b) Any alternative method of sampling PM_{10} which may be permitted by the current 'Air Quality Sampling Manual' as published from time to time by the administering authority.
A3	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 28 days to the administering authority following completion of monitoring. (i) Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include: (a) for a complaint alleging dust nuisance, dust deposition; and (b) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere over a 24hr averaging time.

A4	The Gravel Recycling Plant and all associated infrastructure must be operated and maintained using all reasonable and practicable measures necessary to minimise the release of wind blown dust to the atmosphere. Reasonable and practicable measures may include but are not limited to: (i) transfer of materials in a moist state; (ii) use of water sprays at transfer points; and (iii) use of shielding and windbreaks.
A5	You must take all reasonable and practicable measures necessary to prevent spillage and/or loss of particulate matter and windblown dust from trucks used for transporting aggregates from the approved place. Reasonable and practicable measures may include but are not limited to: (i) wetting down the load prior to transport; (ii) having the entire load covered with a tarpaulin or similar material for the duration of transport; (iii) clearing of spillage from side rails, tail gates and draw bars of trucks prior to departure from the approved place and prior to departure from the premises to which the load has been delivered; and (iv) wetting down the roads at the approved place.
A6	Rehabilitation work must be carried out in such a manner as to minimise releases of wind-blown dust and erosion.
Agency interest: Water	
Condition number	**Condition**
WT1	Contaminants other than settled/treated stormwater runoff waters must not be directly or indirectly released from the site to surface waters or the bed or banks of surface waters.
WT2	Any release of treated/settled stormwater to waters must be monitored at least at the frequency stated in Table 3.
WT3	From commencement the activity you must develop and implement a Stormwater Management Plan which details how you will effectively and appropriately manage the carrying out of the environmentally relevant activities so as to prevent, as far as practicable, any contamination of stormwater and any release of contaminated stormwater.
WT4	You must submit details of any amendment to the Stormwater Management Plan to the administering authority with the Annual Return which immediately follows the enactment of any such amendment, or sooner, in writing.

WT5	A minimum 30 metre buffer distance must be provided between any extractive or screening activities and any waters. This buffer shall be vegetated with indigenous plant species and must be kept free of noxious weeds and waste materials, including disused equipment.
WT6	The registered operator must take reasonable and practicable measures to prevent erosion of creek banks as a result of carrying out the environmentally relevant activities.
WT7	Water from disturbed, areas must be directed towards the sedimentation ponds.
WT8	Uncontaminated stormwater runoff must be diverted away from disturbed areas.
WT9	The storage ponds for captured stormwater must maintain a capacity to retain a 1 in 10 year's 24-hour rain event.
WT10	The settled/treated stormwater stored in final settling pond/s may be released under the following circumstances: i) There has been a rain event in excess of a 1 in 10 years 24-hour duration; or ii) To reinstate the storage capacity in the final storage pond if: a) you reuse as much captured stormwater as is reasonable and practicable; and b) all reasonable and practicable measures are implemented to minimise the generation of contaminated runoff at the approved place; and c) the quality of the water complies with the limits set in Table 4.
WT11	You must maintain daily records during a release of the following information: (i) release commencement date/time; (ii) expected release cessation date/time; (iii) release volume (estimated); (iv) receiving water/s including the natural flow rate (i.e. high, medium, low); (v) which of the circumstances listed in condition WT10 have occurred to require the release; (vi) results of in-situ monitoring; and (vii) any details (including available data) regarding likely impacts on the receiving water(s).
WT12	You must within 15 business days of cessation of a release, provide the following information in writing to the administering authority: (i) release cessation date/time; (ii) natural flow volume in receiving water; (iii) volume of water released; (iv) cause for cessation of release; and (v) any other matters pertinent to the water release event.

WT13	The controlled release of treated/settled stormwater must be conducted in a way and at a rate that does not cause: (i) re-suspension of particles; (ii) erosion of bed or banks of receiving waters; (iii) landscape damage; (iv) ponding of the water; and (v) vegetation damage in and on the banks of Salvin Creek
W14	For the purpose of ensuring effectiveness of measures adopted to prevent and/or minimise the likelihood of contaminated stormwater being released you must undertake annual monitoring of any final settling ponds discharging to Salvin Creek in accordance with Table 5 – Final settling pond/s annual monitoring.
WT15	All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the administering authority's Water Monitoring and Sampling Manual.
WT16	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.
Agency interest: Noise	
Condition number	**Condition**
N1	Noise from the activity must not cause an environmental nuisance at any nuisance sensitive place or commercial place.
N2	The emission of noise from the licensed place must not result in levels greater than those specified in Table 1 – Noise limits at Sensitive Receptors or Table 2 – Noise limits at Commercial Places in the event of a valid complaint about noise being made to the administering authority.

N3	When requested by the administering authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. (i) Monitoring must include: - $L_{A10, adj, 15 mins}$ - $L_{eq, adj, 15 mins}$ - $L_{90, adj, 15 mins}$ - 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. Note: Definition of $L_{A10, adj, 15 mins}$, $L_{eq, adj, 15 mins}$ and $L_{90, adj, 15 mins}$ as per Australian Standard *AS1055.1: Acoustics-Description and measurement of environmental noise*
N4	You must use all reasonable and practicable means necessary to prevent the emission of noise that constitutes an environmental nuisance. The reasonable and practicable measures adopted may include but not necessarily be limited to the following noise abatement measures: (i) ensure that any equipment to be used is assessed for potential noise nuisance impacts and appropriately attenuated; (ii) ensure that all plant and equipment is operated and maintained in a proper and efficient manner; (iii) ensure that noise generating activities are not undertaken in close proximity to noise sensitive places or commercial places; (iv) ensure that, where required, noise abatement barriers are sited such that they effectively intercept the sound transmission path between the sources of noise and nuisance sensitive places; (v) locate haul and access routes within the premises as far away from sensitive places as is practical having regard to operational convenience; and where operation of reversing beepers is likely to cause environmental nuisance, taking measures to ensure mitigation of the nuisance, for example by installing broadband (quacker type) reversing beepers, replacing the reversing beepers with other warning devices and/or replacing reversing beepers with alternative reversing beepers which adjust their noise level output in accordance with the prevailing background noise level.
N5	Notwithstanding any other condition of this development approval, no activities that are associated with quarrying operations and that are likely to give rise to noise complaints may be carried out: (i) outside the hours of 7.00 am to 5.00 pm Mondays to Saturdays; (ii) on Sundays; and (iii) on Christmas Day, Good Friday or Anzac Day.

N6	All blasting must be carried out in a proper manner by a competent person in accordance with best practice environmental management to minimise the likelihood of adverse effects being caused by the impact of airblast overpressure and ground borne vibrations at noise sensitive places and commercial places and on people living in or using the surrounding area.
N7	Noise from blasting operations must not exceed an airblast overpressure level of 115 dB (linear peak) for more than one (4) blast out of any five (5) consecutive blasts when measured at a noise sensitive place.
N8	Ground-borne vibration caused by blasting operations must not exceed a peak particle velocity of: (i) twenty-five (25) millimetres per second for vibrations greater than 35 Hz; or (ii) ten (10) millimetres per second for vibrations less than 35Hz; the above values must not be exceeded for more than four (4) blasts out of any five (5) consecutive blasts when measured at a noise sensitive place.
N9	The measurement required for condition number F5 must be undertaken at a distance of at least the longest dimension of the foundations of a noise-affected building or structure away from such building or structure, between that building or structure and the site of the blasting.
N10	Monitoring and recording of noise levels from the environmentally relevant activity to check conformity with conditions with N6 and N7 must be undertaken at the location from where the noise complaint originated.
N11	For the purposes of checking compliance with conditions N6 and N7, monitoring of the noise levels and ground vibration from the environmentally relevant activities must be undertaken for such descriptors, characteristics and conditions relevant and reasonable and may include: (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; (viii) effects due to extraneous factors such as traffic noise; (ix) overpressure level (dB linear peak.) (for blast monitoring only); (x) peak particle velocity (for ground vibration monitoring only); and (xi) location, dates and time of recording.

N12	The method of measurement and reporting of noise levels must comply with the latest edition of the administering authority's Noise Measurement Manual.
Agency interest: Land	
Condition number	**Condition**
L1	Contaminants must not be released to land.
L2	Storage and spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm. NOTE: All petroleum product storage's must be designed, constructed and maintained in accordance with *AS 1940 - Storage and Handling of Flammable and Combustible Liquids*.
L3	Treatment and management of acid sulfate soils must comply with the latest edition of the Queensland Acid Sulfate Soil Technical Manual, Soil Management Guidelines.
L4	All disturbed areas (eg. borrow pits, stockpile and screening areas) must be progressively re-profiled and stabilised and rehabilitated to ensure that erosion is minimised.
Agency interest: Waste	
Condition number	**Condition**
WS1	Procedures must be implemented to ensure that wastes are minimised, recycled, stored, handled and transferred in a proper and efficient manner and that any disposal of waste (excepting any release of waste provided for by a condition of this development approval) is to a facility appropriate to accept such waste.
WS2	You must not: (i) burn waste at or on the approved place; or (ii) allow waste to burn or be burnt at or on the approved place; or (iii) remove waste from the approved place and burn such waste elsewhere.
WS3	Records of trade waste agreements must be made available for inspection on request.
WS4	From the commencement of the activity a waste management plan must be implemented.

WS5	The waste management plan must address at least the following matters: (i) the types and amounts of waste generated by the ativity; (ii) how the waste will be dealt with, including a description of the types and amounts of waste that will be dealt with under each of the waste management practices mentioned in the waste management hierarchy (section 10 of the *Environmental Protection (Waste Management) Policy 2000*); (iii) procedures for identifying and implementing opportunities to improve the waste management practices employed; (iv) procedures for dealing with accidents, spills and other incidents that may impact on waste management; (v) details of any accredited management system employed, or planned to be employed, to deal with the waste; (vi) how often the performance of waste management practices will be assessed (at least annually); and (vii) the indicators or other criteria on which the performance of the waste management practices will be assessed.
WS6	Where regulated waste is removed from the approved place (other than by a release as permitted under another schedule of this authority), you must monitor and record the following: (i) the date, quantity and type of waste removed; (ii) name of the waste transporter and/or disposal operator that removed the waste; and (iii) the intended treatment/disposal destination of the waste.

Definitions

Key terms and/or phrases used in this document are defined in this section. Applicants should note that where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

Activity means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

Administering authority means the Department of Environment and Heritage Protection or its successor or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.

Background means noise, measured in the absence of the noise under investigation, as $L_{A90,T}$ being the A-weighted sound pressure level exceeded for 90 percent of the time period of not less than 15 minutes, using Fast response.

Boundary means within 1m of the cadastral **boundary** of the approved place.

Commercial place means a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

Environmental nuisance (the Act) is unreasonable interference or likely interference with an **environmental value** caused by—

a) aerosols, fumes, light, noise, odour, particles or smoke; or

b) an unhealthy, **offensive** or unsightly condition because of contamination; or

c) another way prescribed by regulation.

Environmental value (the Act) is—

a) a quality or physical characteristic of the environment that is conducive to ecological health or public amenity or safety; or

b) another quality of the environment identified and declared to be an **environmental value** under an environmental protection policy or regulation.

Measures has the broadest interpretation and includes plant, equipment, physical objects, monitoring, procedures, actions, directions and competency.

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

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

Prescribed contaminants means contaminants listed within Schedule 9 of the Environmental Protection Regulation 2008.

Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

a) a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or

b) a motel, hotel or hostel; or

c) a kindergarten, school, university or other educational institution; or

d) a medical centre or hospital; or

e) a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or

f) a public thoroughfare, park or gardens; or

g) for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.

Schedules

Table 1 - NOISE LIMITS (NOISE SENSITIVE PLACE)

Noise Level dB(A) measured as:	Noise measured at a "Noise Sensitive Place"					
	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm -10pm	10pm - 7am	9am - 6pm	6pm -10pm	10pm - 9am
$L_{A\ 10,\ adj,\ 10mins}$	55	50	40	55	50	40
$L_{A\ 1,\ adj,\ 10mins}$	60	55	45	60	55	45

Table 2 - NOISE LIMITS (COMMERCIAL PLACE)

Noise Level dB(A) measured as:	Noise measured at a "Commercial Place"					
	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm -10pm	10pm - 7am	9am - 6pm	6pm -10pm	10pm - 9am
$L_{A\ 10,\ adj,\ 10mins}$	60	55	45	60	55	45
$L_{A1,\ adj,\ 10mins}$	65	60	55	65	60	50

Table 3 – RELEASE MONITORING FREQUENCY AND MONITORING LOCATION

WATER QUALITY Characteristic:	FREQUENCY	Monitoring Locations
Turbidity	PTD and DDD	WM1, WM2 & WM3
Dissolved Oxygen	PTD and DDD	WM1, WM2 & WM3
pH	PTD and DDD	WM1, WM2 & WM3
Electrical Conductivity	PTD and DDD	WM1, WM2 & WM3

Table 4 – RELEASE LIMITS FOR FINAL SETTLING POND/S

WATER QUALITY Characteristic:	Limit	Monitoring Locations
Turbidity	<50 NTU	WM1
Dissolved Oxygen	85 - 110%	WM1
pH	6.5 - 9.0	WM1
Electrical Conductivity	1500 µS/cm	WM1

Table 5 – FINAL SETTLING POND/S ANNUAL MONITORING

WATER QUALITY Characteristic:	Unit	Frequency	Monitoring Point
E. Coli	cfu/100ml	Annually	WM1
Turbidity	NTU		
TSS	Mg/L		
pH			
EC	µs/cm		
BOD	mg/L		
TDS	mg/L		
Total N	mg/L		
Total P	mg/L		
Aluminium	mg/L		
Iron	mg/L		
Zinc	mg/L		

Note:

PTD Prior To Discharge

DDD Daily During Discharge

WM1 Final Settling Pond/s* Release Point

WM2 Downstream Monitoring Point

WM3 Upstream Monitoring Point

WM1 refers to the final settling pond or ponds from which water is to be released. At the time of issue 'Pond A' and 'Pond D' are both recognised as final settling ponds. To remove any doubt annual monitoring (Table 5) is required for any final settling pond from which a release may occur in the next 12 months. Discharge monitoring (Table 3) is only required for final settling pond/s from which the discharge is to occur.

END OF PERMIT