

DEV2012/365

1 October 2013

Pacific International Development Corporation Pty Ltd ATF The PIDC Trust
c/- Mr Matthew McLaren
Project Co-Ordinator
Mortons Urban Solutions
PO Box 2482
SOUTHPORT QLD 4215

Dear Matt

SECTION 89(1)(a) PDA DEVELOPMENT APPROVAL FOR A PDA DEVELOPMENT APPLICATION FOR A PDA DEVELOPMENT PERMIT FOR A RECONFIGURING A LOT (1 INTO 2), MATERIAL CHANGE OF USE FOR UTILITY INSTALLATION AND MATERIAL CHANGE OF USE FOR ERA 63 (1)(D) AT UNDULLAH ROAD, UNDULLAH DESCRIBED AS PART OF LOT 200 ON SP133189

On 1 October 2013 the Minister for Economic Development Queensland (MEDQ) approved the Priority Development Area (PDA) development application pursuant to s.85(4)(b) of the *Economic Development Act 2012*. MEDQ has decided to grant all of the PDA development approval applied for subject to PDA development conditions set out in the attached PDA Development Approval Package.

The PDA development application and the decision notice can also be viewed in the MEDQ Development Approvals Register via the MEDQ website <http://www.edq.qld.gov.au/infrastructure-and-planning/priority-development-area-development-approvals.html>.

Should you have any queries in relation to the decision notice, please do not hesitate to contact Lyndy Rapson on (07) 3024 4181.

Yours Sincerely



Patrick Atkinson
Director Development Assessment

PDA Decision Notice – Approval

Site information			
Name of priority development area (PDA)		Greater Flagstone	
Site address		Undullah Road, Undullah	
Lot on plan description		Lot number	Lot description
		200	SP133189
PDA development application details			
MEDQ reference number		DEV2012/365	
Lodgement date		10 October 2012 and change to development application 31 July 2013	
Type of application and description of proposal		☒ New development involving:- ☒ Reconfiguring a lot ☒ Material Change of Use ☒ Development permit	
Description of application		Development for: 1. Material Change of Use for a Utility Installation; 2. Material Change of Use for Environmentally Relevant Activity 63(1)(d) (operating sewage treatment works, other than no-release works, with a total daily peak design capacity of – more than 4000 but not more than 10000EP); and 3. Reconfiguring a Lot (1 into 2).	
PDA development approval details			
Decision of the MEDQ		The MEDQ has decided to grant all of the PDA development approval applied for, subject to the PDA development conditions forming part of this Decision Notice.	
Decision date		1 October 2013	
Currency period		5 years from Decision date	
Plans and specification			
The plans and specifications approved by MEDQ and referred to in the PDA development conditions concerning the PDA development approval are detailed below.			
Approved plans, reports and specifications		Number (if applicable)	Date (if applicable)
1	Sewerage Treatment Plant & Treated Effluent Irrigation Area Concept Plan (Sheet 1 of 3)	Drawing Number 23300-STP-P163 Amend H	23-09-13

2	Sewerage Treatment Plant & Treated Effluent Irrigation Area Concept Plan (Sheet 2 of 3)	Drawing Number 23300-STP-P163 Amend K	25-09-13
3	Flinders Estate Precinct 1 Reconfiguration of Part of Lot 200 on SP133189	Drawing No 2029/19/A3 STPProposal.Dwg (Sht 1 of 2) Amendment A	13/06/2013
4	Flinders Estate Precinct 1 Reconfiguration of Part of Lot 200 on SP133189	Drawing No 2029/19/A3 (STPProposal.Dwg) (Sht 2 of 2) Amendment A	13/06/2013
5	Sewerage Treatment Plant & Treated Effluent Irrigation Area STP Enclosure & Amenities Block Floor and Elevation Plan	Drawing Number 23300-STP-P164	07-06-13

PDA Development Conditions

No.	Condition	Timing
GENERAL		
1.	Carry out the Approved Development Carry out and complete the development generally in accordance with: a) the conditions contained in this Approval; b) all PDA development permits; c) all compliance assessment endorsed plans; d) all approved plans/drawings and/or documents; and e) all endorsed detailed design documentation.	Ongoing
2.	Maintain the Approved Development Maintain the approved development (including landscaping, parking, driveways and other external spaces) generally in accordance with the approved drawing(s) and or documents, and any relevant MEDQ or other approval required by the conditions.	Ongoing
3.	Complete all Building Work a) Complete all building work required to commence the use generally in accordance with the approved drawing Sewerage Treatment Plant & Treated Effluent Irrigation Area Concept Plan Sheet 2 of 3 Amend K dated 25-09-13, and endorsed detailed design documentation, and where the building work is assessable development, in accordance with a current development permit. b) It is acknowledged that as treatment demand increases the capacity of the facility will be expanded. The triggers and staging identified on the Sewerage Treatment Plant & Treated Effluent Irrigation Area Concept Plan Sheet 2 of 3 Amend K dated 25-09-13 relate to 250kl modules.	a) Prior to the issue of Certificate of Classification/Final Inspection Certificate or prior to commencement of use, whichever occurs first. b) As indicated

	c) The construction of the treatment modules shall occur in stages as nominated on the Sewerage Treatment Plant & Treated Effluent Irrigation Area Concept Plan Sheet 2 of 3 Amend K dated 25-09-13 unless an alternative module size is constructed. d) Alternative module configurations are acceptable provided that they are sized appropriately to treat the inflows generated by the development.	c) As indicated d) As indicated
4.	Timing of Approvals and Construction Construction of the Sewerage Treatment Plant (STP) and associated infrastructure must not commence until such time as the relevant approvals have been issued by Logan City Council and become effective (including any Referral Agencies Approvals) to operate the related irrigation area.	As indicated
5.	Compliance Assessment Where a condition of this Approval requires compliance assessment, compliance assessment is required in accordance with the timing set out in these conditions. a) Before compliance assessment will commence, payment of the fee must accompany any request for compliance assessment. The fee is set out in MEDQ's development assessment fee schedule in force at the date the request is lodged. b) The process and timeframes that apply to compliance assessment are: (i) the applicant submits plans and supporting information as required for compliance assessment; (ii) within 20 business days, the nominated assessing authority assesses the plans and supporting information, and a. if satisfied with the information as submitted, endorses the information and the condition of approval (or element of the condition) is determined to have been met; or b. if not satisfied with the information as submitted, notifies the applicant accordingly. c) If the applicant is notified under (c)(ii)b. above: (i) the information and plans addressing the concerns are to be resubmitted; (ii) within a further 15 business days, the nominated assessing authority assesses the re-submitted plans and supporting information; and a. if satisfied with the re-submitted information lodged, endorses the plans and supporting information and the condition of approval (or element of the condition) is determined to have been met; or b. if not satisfied with the information as submitted; notifies the applicant accordingly. d) If the applicant is notified under (d) (ii) b. above, within 10 business days, the nominated assessing authority and applicant will repeat steps (d) (i) and (ii). If either party is not satisfied by the outcome of this process, that party can elect to enter into a mediation process with an independent mediator agreed to by both parties or if there is no agreement, nominated by the President for the time being of the	As indicated

	Queensland Law Society Inc.	
	e) When the nominated assessing authority and applicant are both satisfied with the re-submitted information lodged, the nominated assessing authority endorses the relevant instrument or document and the condition of the Approval (or element of the condition) is determined to have been met.	
	RECONFIGURING A LOT (1 INTO 2)	
6.	Potable Water Supply A potable water supply is to be provided to the site for connection to the facility. Supply may be provided via connection to the reticulated supply or via the installation of rainwater storage tanks.	Prior to commencement of use
7.	Electricity Submit to the Development Assessment Division of the Department of State Development Infrastructure and Planning (DSDIP) either: a) written evidence from Energex confirming that a suitable electricity supply is available to the newly created lot; or b) written evidence from Energex confirming that the applicant has entered into an agreement with an authorised electricity supplier (e.g. Energex) to provide a suitable electricity supply to the newly created lot.	Prior to survey plan endorsement
	MATERIAL CHANGE OF USE – UTILITY INSTALLATION (SEWERAGE TREATMENT PLANT)	
8.	Operation of the Sewerage Treatment Plant a) Submit to the Development Assessment Division of DSDIP copies of all operating licences, permits, registration certificates obtained from the Department of Environment and Heritage as the nominating assessing authority necessary to operate the Sewerage Treatment Plant. b) Operate and maintain the Sewerage Treatment Plant in accordance with the part a) of this condition.	a) Prior to commencement of use b) Ongoing
9.	Sewer rising main a) Submit to the Development Assessment Division of DSDIP engineering drawings for the sewer rising main certified by a Registered Professional Engineers of Queensland (RPEQ) generally in accordance with the (i) Sewerage Treatment Plant & Treated Effluent Irrigation Area Concept Plan (Sheet 1 of 3) Drawing Number 23300-STP-P163 Amend H dated 23-09-13; and (ii) the Logan City Council standards. b) Construct the sewer rising main in accordance with the certified plans required by part a) of this condition and the relevant Logan City Council standards. c) Submit to the Principal Engineer, Development Assessment Division of DSDIP "As Constructed" plans including as asset register in a format acceptable to the Logan City Council checked by a Registered	a) Prior to commencement of works b) Prior to commencement of use c) Prior to commencement of use

	Professional Engineer Queensland (RPEQ-Civil), certifying that the works have been constructed in accordance with the certified plans required by part a) of this condition.	
10.	Sewerage Treatment Plant Building Enclosure Detailed Design Documentation a) Submit to the Development Assessment Division of DSDIP for compliance assessment, detailed design documentation for the building enclosure of the Sewerage Treatment Plant (STP). The design must be generally in accordance with the approved Sewerage Treatment Plan & Treated Effluent Irrigation Area STP Enclosure & Amenities Block Floor and Elevation Plan Drawing Number 23300-STP-P164 dated 07-06-13. b) The detailed design documentation must detail the following matters: (i) building design for enclosure to STP including construction material, building height and GFA; (ii) building design (impervious construction material for bunding, roofing over chemical storage tanks and GFA) and stormwater capture/discharge for the chemical storage area; (iii) suitable access between the chemical storage area and the emergency wash down/eye wash area; (iv) building design and GFA for emergency wash down/eye wash area; (v) design for the acoustic treatment of the STP enclosure; (vi) design for odour treatment for STP enclosure; and (vii) design for gas extraction from the STP enclosure. c) Construct the works generally in accordance with part a) of this condition.	a) Prior to commencement of construction c) Prior to commencement of use
11.	Amenities/Office Building and Sampling area Detailed design documentation a) Submit to the Development Assessment Division of DSDIP for compliance assessment detailed design documentation for the amenities/office building and sampling area. The design must be generally in accordance with the approved Sewerage Treatment Plan & Treated Effluent Irrigation Area STP Enclosure & Amenities Block Floor and Elevation Plan Drawing Number 23300-STP-P164 dated 07-06-13. b) Detailed design documentation must detail the following matters: (i) building design including construction material, building height and GFA; (ii) the design and location of the sample handling area demonstrating a separate access to the handling area and portioning from the other amenity areas; and (iii) the design and location of the kitchenette, eating and washing areas (disabled shower, basin and toilet) and workstation demonstrating a separate building access for the workstation.	Prior to commencement of use

12.	Roadworks and Carpark a) Submit to the Development Assessment Division of DSDIP detailed roadworks and carpark engineering drawings certified by a Registered Professional Engineer Queensland (RPEQ-Civil) generally in accordance with the Sewerage Treatment Plant & Treated Effluent Irrigation Area Concept Plan Sheet 2 of 3 Drawing number 23300- STP-P163 Amend K dated 25-09-13. b) Construct the roadworks and carpark generally in accordance with part a) of this condition.	a) Prior to commencement of works b) Prior to commencement of use
13.	Filling and Excavation a) Submit to the Principal Engineer, Development Assessment Division of the DSDIP a detailed Earthworks Management Plan (EMP) and cross sections, checked and certified by a Registered Professional Engineer Queensland (RPEQ-Civil) The earthworks are to generally be undertaken in accordance with the following: 1. AS3798-1996-Guidelines on Earthworks for Commercial and Residential Developments. Supervise Bulk Earthworks to level 1 and have a frequency of field density testing done in accordance with Table 8.1 of AS3798-1996; and 2. The Sewerage Treatment Plant & Treated Effluent Irrigation Area Concept Plan Sheet 2 of 3 Drawing number 23300- STP-P163 Amend K dated 25-09-13. 3. Construction requirements nominated by the Department of Environment and Heritage Protection (DEHP) as the nominated assessing authority as set out in the following conditions for: (i) Holding tank(s)/wet weather /emergency storage(s); (ii) Bunding; (iii) Stormwater Management; and (iv) Ponds and Containment Structures for Containments. b) Submit certification to the Development Assessment Division of DSDIP by a RPEQ specialising in geotechnical engineering stating that all filling and excavation operations have been carried out in accordance with certified EMP and any unsuitable material encountered has been treated or replaced with suitable replacement material.	a) Prior to commencement of site works b) Prior to commencement of use
14.	Soil erosion and sediment control a) Submit to the Principal Engineer, Development Assessment Division of the DSDIP an Erosion and Sediment Control (E&SC) Program certified by a Registered Professional Engineer Queensland (RPEQ) or a Certified Professional Erosion and Sediment Control (CPESC) that the program complies with <i>ICEA Best Practice Erosion & Sediment Control – 2008</i> and the relevant Logan City Council policy. b) The E&SC program shall be monitored by at Registered Professional Engineer Queensland (RPEQ).	a) Prior to commencement of works b) At all times during site works
15.	Sewage disposal A sewage disposal system must be provided to the Amenities/office	Prior to commencement

	building. This may be the sewage treatment plant.	of use
16.	Perimeter fence and Gate Install a perimeter fence and gate generally in accordance with the following: a) a minimum height of 1.8m and a maximum height of 2.4m; b) a fence and gate designed to prevent graffiti and security breaches; and c) a security gate restricting access to staff and approved visitors only.	Prior to commencement of use
17.	Refuse storage and collection of general waste a) All refuse associated with the use is to be stored in bulk bins. b) Enter into an agreement with the Logan City Council to provide a waste collection service to the development or an alternative arrangement to provide for a waste collection service.	Prior to commencement of use
18.	Outdoor Lighting Design and install outdoor lighting to minimise light spill in the adjacent residential properties to be in accordance with <i>AS 4282:1997 Control of the Obtrusive Effects of Outdoor Lighting</i> .	Prior to commencement of use and ongoing.
19.	Natural environment a) Retain all native vegetation (excluding vegetation mapped as Category X) on the site not located within 10.0m of the proposed Treated Effluent Storage Lagoon or Emergency Overflow Lagoon (including associated earthworks), unless deemed unviable by a suitably qualified ecologist or similar. b) Retain all native vegetation (excluding vegetation mapped as Category X) on the site not located within 20.0m of the built infrastructure (including associated earthworks but excluding fencing), unless deemed unviable by a suitably qualified ecologist or similar.	Prior to commencement of use
20.	Landscape Buffer a) Submit to the Development Assessment Division of DSDIP for approval a landscape plan and proposed landscape works. The plan is to be prepared by a suitably qualified Landscape Architect or Landscape Contractor illustrating the extent of landscaping. b) Undertake the works generally in accordance with the approved landscape works required under part (a) of this condition. This work is to be certified by a suitably qualified urban design/landscape architect or registered Practising Engineer – Queensland RPEQ professional in accordance with the EDQ Certification Procedures Manual and to the satisfaction of the Development Assessment Division of DSDIP.	a) Prior to commencement of works b) Prior commencement of use

21.	Bushfire Management Plan Submit to the Development Assessment Division of DSDIP a Bushfire Management Plan for compliance assessment.	Prior to commencement of works
22.	Unexploded Ordinance Submit to the Development Assessment Division of DSDIP an Unexploded Ordinance Management Plan for compliance assessment.	Prior to commencement of works
23.	Sunset Clause Cessation of Use The use of the site for the purposes of Sewage Treatment must cease by the year 2033, or upon connection to an alternative treatment plant capable of servicing the entire Flinders development.	As indicated
24.	Plant Closure Submit to the Development Assessment Division of DSDIP three (3) months prior to the planned cessation of the use plant closure plans prepared by a suitably qualified engineer or similar for endorsement.	Prior to the planned cessation of the use
25.	Remediation of Land Submit to the Development Assessment Division of DSDIP three (3) months prior to the planned cessation of the use and the closure of the plant, a remediation management plan for endorsement.	Prior to the planned cessation of the use
ENVIRONMENTALLY RELEVANT ACTIVITY 63(1)(d) Provided by the Department of Environment and Heritage Protection as the nominated assessing authority GENERAL		
26.	General This permit authorises sewage treatment works using plant and equipment with a combined total daily peak design capacity of 1,200 kiloLitres (6,000 equivalent persons (EP)).	Prior to commencement of use and ongoing
27.	Prevent or minimise likelihood of environmental harm All reasonable and practicable measures must be taken to minimise the likelihood of environmental harm being caused as a result of undertaking this activity.	Prior to commencement of use and ongoing
28.	Alterations 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 permit. An example of a substantial increase in the risk of environmental harm is an increase of 10% or more in the quantity of the contaminant to be released into the environment.	Ongoing

29.	Maintenance of measures, plant and equipment The person undertaking the activity to which this permit relates must: a) install and operate all measures, plant and equipment necessary to ensure compliance with the conditions of this permit; b) maintain all measures, plant and equipment in a proper and efficient condition; and c) operate such measures, plant and equipment in a proper and efficient manner. In this condition, "plant and equipment" includes: a) plant and equipment used to prevent and/or minimise the likelihood of environmental harm being caused; b) devices and structures to contain foreseeable escapes of contaminants and waste; c) devices and structures used to store, handle, treat and dispose of waste; d) monitoring equipment and associated alarms; and e) backup systems that act in the event of failure of a primary system.	Prior to commencement of use and ongoing
30.	Records If a condition of this permit requires the person undertaking the activity to which this permit relates to make or keep a record (however described), or prepare a document¹, the person undertaking the activity to which this permit relates must: a) keep the record or document at the approved place; b) keep the record or document in a place that is accessible by all persons engaged in the activity; c) produce the record or document for inspection by an authorised person or the administering authority (currently DEHP) for inspection if requested; d) for each document or record made or created in response to a monitoring requirement, reporting requirement, investigation or incident — keep the record for a minimum of five (5) years from the date the document is made or created; and e) if the record of document is sent (in any form) to the administering authority - keep a copy of the document at the approved place in a way that is accessible to any person engaged in the activity at the approved place. ¹ Note: Unless a condition of this approval requires a document to be made or kept in a specific format (e.g. in hardcopy), the <i>Electronic Transactions (Queensland) Act 2001</i> applies to the document.	Prior to commencement of use and ongoing

31.	Site-based management plan (SBMP) From commencement of the activity to which this permit relates, the person undertaking the activity to which this permit relates must develop and implement a Site based management plan (SBMP). The SBMP must identify all sources of environmental harm, including but not limited to: a) the actual and potential release of all contaminants; b) the potential impact of these sources; and c) what actions will be taken to prevent the likelihood of environmental harm being caused.	Prior to commencement of use and ongoing
32.	Site-based management plan (SBMP) The site based management plan must provide for at least the following functions: a) staff training in awareness of the environmental issues related to the activities and operational procedures and responsibilities for minimising potential impacts; b) an environmental policy and commitments to best practice environmental management of the activities including specific performance targets and objectives; c) control procedures to be implemented for routine operations for day to day activities to minimise the likelihood of environmental harm, however occasioned or caused; d) contingency plans and emergency procedures to be implemented 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); e) organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to ensure effective management of environmental issues; f) effective communication procedures to ensure two-way communication on environmental matters between operational staff and higher management; g) monitoring of contaminant releases to the environment including procedures, methods and record keeping and investigation into the environmental impact of any release that causes or is likely to cause serious or material environmental harm; h) the periodic review of environmental performance and procedures, not less frequently than annually; and i) a program for continuous improvement.	Prior to commencement of use and ongoing
33.	Standby power The person undertaking the activity to which this permit relates must ensure there is sufficient standby power (such as suitably sized generator(s)) to operate the Sewage Treatment Plant(s) and associated infrastructure.	Prior to commencement of use and ongoing

34.	Standby power The standby generator(s) referred to in condition 33 is/are only to be used when: a) there is a failure in the power supply grid; or b) testing according to manufacturer's specifications and/or Australian Standards is required; or c) required as a result of a computer system malfunction which would not be reasonably foreseen.	Prior to commencement of use and ongoing
35.	Standby generator fuel The only type of fuel to be burnt in the standby generator is diesel.	Ongoing
36.	Equipment calibration The person undertaking the activity to which this permit relates must ensure all instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this permit are calibrated as per the manufacturer's instructions, and appropriately operated and maintained.	Prior to commencement of use and ongoing
37.	Monitoring An appropriately qualified person(s) must monitor, interpret and record all parameters that are required to be monitored, in the manner provided, under Condition 82 Table Two and the associated monitoring requirements.	Prior to commencement of use and ongoing
38.	Annual monitoring report The person undertaking the activity to which this permit relates must ensure an annual monitoring report, which includes the following information, is prepared in hardcopy and electronic format or another format approved by the administering authority (currently DEHP): a) a summary of the previous twelve (12) months monitoring results obtained under any monitoring program required under this permit and, in graphical form showing relevant limits, a comparison of the previous twelve (12) months monitoring results to both the limits in this permit and to relevant prior results; b) an evaluation and explanation of the data from all monitoring programs; c) a summary of any record of quantities of releases required to be kept under this permit; d) a summary of the record of equipment failures or events recorded for any site under this permit under Condition 40; e) an outline of actions taken or proposed, with associated timelines, to minimise the environmental risk from any deficiency identified by the monitoring or recording programs; f) a summary of any trade waste agreements entered into or amended during the year if applicable, including the nature of the industry; and g) a summary of any third party agreements (utilising treated sewage/recycled water) entered into or amended during the year, including the nature of the industry.	Prior to commencement of use and ongoing

39.	Trained and experienced operator(s) The daily operation of the Flinders Sewage Treatment Plant(s) and associated infrastructure must be carried out by a suitably qualified person to ensure the effective operation of the treatment systems, control equipment and associated infrastructure.	Ongoing
40.	Trained and experienced operator(s) The person undertaking the activity to which this permit relates must ensure a record is made of the following events: a) the time, date and duration of equipment malfunctions or failure where the malfunction results in the release of contaminants to the environment outside the quality characteristics permitted to be released by the conditions of this permit (whether at the discharge point or another place); and b) any uncontrolled release of contaminants, including an estimate of the volume of contaminants released in the event.	Ongoing
41.	Spills The person undertaking the activity to which this permit relates must ensure any spillage of regulated waste or chemicals are cleaned up as soon as practicable after the spillage event.	Ongoing
42.	Spill kit The person undertaking the activity to which this permit relates must ensure an appropriate spill kit, protective equipment and relevant operator instructions and emergency procedures or guidelines for the management of wastes and chemicals associated with the activity to which this permit relates are available to any person engaging in the activity to which this permit relates on site at all times.	Ongoing
43.	Spill kit training The person undertaking the activity to which this permit relates must ensure any person engaging in the activity to which this permit relates is trained in the use of the spill kit and the emergency guidelines.	Ongoing
44.	Alarms to be operable without mains power The person undertaking the activity to which this permit relates must ensure all alarms are able to operate without mains power.	Ongoing
45.	Flood line immunity The person undertaking the activity to which this permit relates must ensure all structures associated with the Sewage Treatment Plant(s) are constructed in a way that achieves Q100 flood line immunity.	Prior to commencement of use

46.	Provision of treated wastewater to other person(s) If the person undertaking the activity to which this permit relates gives or transfers ownership of the treated wastewater to another person(s) ("the third party"), the person undertaking the activity to which this permit relates must: a) prior to giving such treated wastewater or transferring ownership of such treated wastewater, obtain from the third party details of how the third party will comply with the general environmental duty (GED) provided for by section 319 of the <i>Environmental Protection Act 1994</i> in respect of the use and disposal of such treated wastewater, particularly in relation to the environmental sustainability of any disposal of such treated wastewater, protection of public health and protection of environmental values of water; b) only give or transfer ownership of such treated wastewater in accordance with a written agreement between the person undertaking the activity to which this permit relates and the third party; c) include, in any third party agreement, the provision that supply of treated wastewater may be discontinued at any time if the supplier reasonably believes that the third party is utilising treated wastewater in a way that may cause environmental harm, or is otherwise not complying with the GED; and d) if the person becomes aware that the person is not or is not likely to comply with the general environmental duty provided by section 319 of the <i>Environmental Protection Act 1994</i>, cease the giving and transferring ownership of such treated wastewater. <i>Note 1: Any recycled water management plan approved under the Water Supply (Safety and Reliability) Act 2008 that fulfils the above requirements is deemed to achieve compliance with this condition.</i>	Ongoing
47.	Influent The volume of wastewater entering the Flinders Sewage Treatment Plant(s) must be measured and recorded on a daily basis.	Ongoing
48.	Infrastructure There must be additional Phosphorus removal capability to reduce the Total Phosphorus treated wastewater concentration to that specified in Condition 82 Table Two in case of biological Phosphorus reduction failure should biological Phosphorus reduction be the main wastewater treatment chosen for Total Phosphorus reduction.	Ongoing
49.	Monitoring for turbidity Continuous real time monitoring for turbidity must be undertaken and recorded for treated wastewater prior to disinfection.	Ongoing
50.	By-pass releases/events The person undertaking the activity to which this permit relates must take all reasonable and practicable measures to minimise the occurrence of by-pass release events.	Ongoing

51.	By-pass release events By-pass release events must only occur for wet weather related flows that are in excess of the hydraulic capacity of the wastewater treatment plant(s).	Ongoing
52.	By-pass release events Any wastewater from a by-pass release event as a minimum must be treated by fine screening and grit removal.	Ongoing
53.	By-pass release events The by-pass release referred to in Condition 51 must flow directly to the Woollaman Creek and minimise environmental harm.	Ongoing
54.	By-pass release events The person undertaking the activity to which this permit relates must monitor all by-pass release events and record the following: a) influent wastewater flow rate during by-pass release event; b) by-pass release flow volume; c) by-pass release duration; d) date when by-pass release occurs; e) time(s) when by-pass release occur; f) the level of treatment that the by-passed released sewage undergoes at the sewage treatment plant; g) the cause of the by-pass release; and h) any monitoring undertaken of the quality of the by-passed sewage released	Ongoing
55.	By-pass release events The administering authority (currently DEHP) must be notified in writing within 24 hours of any by-pass release event.	Ongoing
56.	Receiving environment monitoring program (REMP) From commencement of the activity the person undertaking the activity to which this permit relates must implement a Receiving Environment Monitoring Program (REMP) to monitor the effects of the release of contaminants from the Flinders Sewage Treatment Plant site on the local receiving environment to effectively determine whether environmental values are being protected. The receiving environment for the purpose of the local Receiving Environment Monitoring Program includes: a) Woollaman Creek.	Prior to commencement of use and ongoing
57.	Receiving environment monitoring program (REMP) In developing the REMP referred to in Condition 56 the person undertaking the activity to which this permit relates must submit a REMP design report to the administering authority (currently DEHP) and consider comments provided by the administering authority for the REMP implementation.	Prior to commencement of use and ongoing

58.	Receiving environment monitoring program (REMP) design report The REMP Design Report must include, but not be limited to the following: a) the scope of the REMP based on the nature of the release, the contaminants of potential concern and the receiving environment; b) identification the environmental values (EVs) that exist or need to be enhanced or protected for the receiving waters potentially affected by any release; c) identification of measurable indicators that are both relevant to these EVs (physical, chemical or biological) and to the known contaminants associated with the release or regulated activity (this must include a description of selected physico-chemical (including pH, total nitrogen, total phosphorus, ammonia, oxidised nitrogen, filterable reactive phosphorus, dissolved oxygen concentration, dissolved oxygen saturation, temperature, water clarity analyses) and biological indicators (including chlorophyll 'a' and macro algal monitoring) and reasons for their inclusion or exclusion); d) identification of appropriate water quality objectives (WQOs) or water quality guidelines (WQGs) for these indicators, to maintain or enhance identified EVs; e) identification of suitable upstream control sites that can be used to determine background conditions and suitable downstream test sites illustrated on map of appropriate scale; f) the frequency of sampling and analysis; g) assessment of the impacts to EVs at test sites using both WQOs/WQGs and background data based on a suitably designed monitoring program for these indicators and valid assessment protocols described in relevant guideline documents; and h) description of the methodology or statistical basis for assessing monitoring data.	Prior to commencement of use and ongoing
59.	Receiving environment monitoring program (REMP) program results report At twelve monthly intervals from the date of commencement of the REMP, a Receiving Environment Monitoring Program Results Report must be prepared and submitted to the administering authority (currently DEHP) and contain the results and findings of the REMP for that period, including but not limited to, the wastewater release monitoring, receiving environment monitoring, comparison of monitoring to WQOs and background conditions, interpretation of results, a list of cited references, any quality assurance/control issues and raw data accompanied by associated meta-data.	Ongoing

60.	Receiving environment monitoring program (REMP) program results report All determinations of the quality of contaminants must be made in accordance with methods prescribed in the administering authority's (currently DEHP) Water Quality Monitoring and Sampling Manual (2009 or subsequent editions).	Ongoing
61.	Receiving environment monitoring program (REMP) program results report 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, such as accredited by the National Association Testing Authority.	Ongoing
62.	Records for the receiving environment monitoring program (REMP) Records must be provided to the administering authority (currently DEHP) on request and in the requested electronic format, and the results of all determinations and monitoring carried out under the REMP must be kept for a period of at least 5 years.	Ongoing
ENVIRONMENTALLY RELEVANT ACTIVITY 63(1)(d) Provided by the Department of Environment and Heritage Protection as the nominated assessing authority AIR		
63.	Dust or particulate matter The person undertaking the activity to which this permit relates must ensure that the release of dust or particulate matter resulting from building works from the activity to which this permit relates does not cause, or is not likely to cause, an environmental nuisance at or beyond the boundary of the approved place.	During building works

64.	Dust or particulate matter The person undertaking the activity to which this permit relates must ensure that the dust deposition rate and concentration of PM₁₀ does not, during building work associated with the activity to which this permit relates, exceed the limits specified in Table One for the contaminant when measured from a nuisance sensitive or commercial place in accordance with the measurement method specified in the table. Table One: Limits on dust deposition rate and concentration of particulate matter <table><tr><th>Contaminant</th><th>Measure</th><th>Limit</th><th>Measurement method</th></tr><tr><td>Dust</td><td>Deposition rate</td><td>120 mg/m²/day</td><td>Australian Standard AS3580.10.1 of 2003 (or more recent editions)</td></tr><tr><td>PM₁₀</td><td>Concentration</td><td>50µg/m³ averaged over 24 hours</td><td>Either of the following: a) AS 3580.9.6 of 2003 (or more recent editions); or b) AS3580.9.7 of 2009 (or more recent editions).</td></tr></table> Note: - Australian Standard AS 3580.9.6 of 2003 (or more recent editions) Ambient air – Particulate matter – Determination of suspended particulate matter PM₁₀ high volume sampler with size-selective inlet – Gravimetric method. - Australian Standard AS3580.9.7 of 2009 (or more recent editions) “Ambient air – Particulate matter – Determination of suspended particulate matter – Dichotomous sampler (PM₁₀ and PM_{2.5}) – Gravimetric method.	Contaminant	Measure	Limit	Measurement method	Dust	Deposition rate	120 mg/m ² /day	Australian Standard AS3580.10.1 of 2003 (or more recent editions)	PM ₁₀	Concentration	50µg/m ³ averaged over 24 hours	Either of the following: a) AS 3580.9.6 of 2003 (or more recent editions); or b) AS3580.9.7 of 2009 (or more recent editions).	During building works
Contaminant	Measure	Limit	Measurement method											
Dust	Deposition rate	120 mg/m ² /day	Australian Standard AS3580.10.1 of 2003 (or more recent editions)											
PM ₁₀	Concentration	50µg/m ³ averaged over 24 hours	Either of the following: a) AS 3580.9.6 of 2003 (or more recent editions); or b) AS3580.9.7 of 2009 (or more recent editions).											
65.	Dust or particulate matter If the Air Quality Sampling Manual (however described), published by the Queensland Government from time to time for the purpose of measuring or monitoring compliance with the <i>Environmental Protection Act 1994</i> specifies an alternative sampling protocol for PM₁₀. — the concentration of PM₁₀ for the purposes of compliance with Condition 64 may be determined using that protocol instead of that specified in Condition 64.	Ongoing												
66.	Dust or particulate matter The person undertaking the activity to which this permit relates is required to install equipment to measure the dust deposition rate or the concentration of particulate matter (PM₁₀) for Condition 64 only if directed in writing by the administering authority (currently DEHP) to undertake monitoring for those contaminants.	Ongoing												

67.	Dust or particulate matter The person undertaking the activity to which this permit relates must ensure all landscaping or revegetation is undertaken to stabilise all exposed surfaces to prevent emissions to air as part of, or as soon as practicable following cessation of, building work.	Ongoing
68.	Noxious or offensive odours Odours or airborne contaminants which are noxious or offensive or otherwise unreasonably disruptive to public amenity or safety must not be released to any nuisance sensitive place or commercial place.	Ongoing
69.	Reasonable adjustment of practices, procedures or infrastructure for resolving nuisance complaints The person undertaking the activity to which this permit relates must investigate, or commission the investigation of, any complaints of odours or airborne contaminants which are noxious or offensive or otherwise unreasonably disruptive to public amenity and, if those complaints are validated, make reasonable adjustments to processes or equipment to prevent a recurrence of nuisance.	Ongoing
70.	Monitoring obligations in respect to air quality The person undertaking the activity to which this permit relates must, if directed in writing by the administering authority (currently DEHP) undertake or commission the undertaking of odour and or airborne contaminant monitoring for contaminants released from the approved place at the site and other locations relevant to ascertain the odour at affected premises. This monitoring may also include the installation of a weather monitoring station at the approved place.	Ongoing
71.	Monitoring obligations in respect to air quality When requested by the administering authority (currently DEHP), the person undertaking the activity to which this permit relates must ensure that all odour monitoring must be undertaken to investigate the environmental nuisance caused by a release to the atmosphere from a release point at the site, and the results thereof notified to the administering authority within 14 days following completion of monitoring.	Ongoing
72.	Monitoring obligations in respect to air quality The person undertaking the activity to which this permit relates must ensure that the monitoring referred to in Condition 70 must include but is not limited to any specific relevant monitoring included in the request and evaluation of the performance of the odour sources from the plant operations.	Ongoing
73.	Monitoring obligations in respect to air quality The evaluation referred to in Condition 72 must include an inspection of potential odour sources and associated emission control systems, and a review of monitoring data.	Ongoing

74.	Monitoring obligations in respect to air quality The person undertaking the activity to which this permit relates must ensure that if the administering authority (currently DEHP) requests monitoring to determine contaminant releases to the atmosphere, all monitoring must be performed by an independent person or body possessing appropriate experience and qualifications to perform the required measurements.	Ongoing
75.	Monitoring obligations in respect to air quality Odour monitoring must be conducted in accordance with Australian and New Zealand Standard AS/NZS 4323.3:2001, Stationary source emissions - Determination of odour concentration by dynamic olfactometry; and for any other odorant gases, a method as approved by Queensland, New South Wales or Victorian regulatory agencies.	Ongoing
76.	Monitoring obligations in respect to air quality The person undertaking the activity to which this permit relates must ensure that if monitoring indicates that environmental nuisance is caused or threatened by odour release from the activities, then the person undertaking the activity to which this permit relates must: a) advise the administering authority (currently DEHP) of planned odour abatement measures; and b) as soon as practicable implement odour abatement measures such that the release of odour from the activity will not result in further environmental nuisance.	Ongoing
77.	STP enclosures The Sewerage Treatment Plant(s) are to be constructed generally in accordance with the Sewerage Treatment Plant & Treated Irrigation Area Concept Plan Sheet 2 of 3 Drawing Number 23300-STP-P163 Amend K dated 25-09-2013 with the following requirements: a) the sewage treatment plant(s) are required to be located within an enclosed structure(s); and b) these structures are required to be ventilated via extraction fan(s) or similar alternative systems as required to enable maintenance to occur within the structures with the external accesses remaining closed.	Prior to commencement of use
78.	Standby generator The exhaust gases of the diesel generator(s) must pass through a particulate emission control system that reduces particulates in the exhaust by at least 85% and converts 95% of carbon monoxide and hydrocarbons to water vapour and carbon dioxide.	Ongoing
ENVIRONMENTALLY RELEVANT ACTIVITY 63(1)(d) Provided by the Department of Environment and Heritage Protection as the nominated assessing authority LAND		

79.	Treated wastewater discharge Other than as permitted within this permit, contaminants must not be released from the site to any waters or the bed and banks of any waters.	Ongoing
80.	Quality of the treated wastewater The only contaminant permitted to be released from the Flinders Sewage Treatment Plant(s), excluding by-pass releases covered by Condition 51 is treated wastewater that complies with the corresponding release limits specified in Table Two – <i>Release Quality Characteristics For Treated Wastewater From The Flinders Sewage Treatment Plant(s)</i> .	Ongoing
81.	Quality of the treated wastewater Notwithstanding the quality characteristics limits specified in Table Two the person undertaking the activity to which this permit relates must ensure that all treated wastewater does not have any properties nor contain any organisms or other contaminants in concentrations that are capable of causing environmental harm.	Ongoing

82. **Quality of the treated wastewater**

The person undertaking the activity to which this permit relates must make and record determinations of the treated wastewater quality characteristics set out in Table Two at the frequency, sampling sites and types specified in Table Two.

Table Two - Release Quality Characteristics For Treated Wastewater From The Flinders Sewage Treatment Plant(s)

Quality Characteristic	Sampling Point	Release limit	Limit type	Frequency	Sample type
5-day Biochemical Oxygen Demand	Ex each STP after disinfection	20 mg/L	long-term median	Weekly	Twenty-four (24) hour flow proportioned or time-based composite
		30 mg/L	short term median		
		40 mg/L	maximum		
Total Suspended Solids	Ex each STP after disinfection	5 mg/L	long-term median		Twenty-four (24) hour flow proportioned or time-based
		7.5 mg/L	short term median		
		10 mg/L	maximum		
pH	Ex each STP after disinfection	6.5-8.5	range		grab
Dissolved Oxygen	Ex each STP after disinfection	2 mg/L	minimum		grab
Total Nitrogen	Ex each STP after disinfection	20.0 mg/L as Nitrogen	long-term median		Twenty-four (24) hour flow proportioned or time-based
		30 mg/L as Nitrogen	short term median		
		40.0 mg/L as Nitrogen	maximum		
Total Phosphorous	Ex each STP after disinfection	7.0 mg/L as Phosphorus	long-term median		Twenty-four (24) hour flow proportioned or time-based
		10.5 mg/L as Phosphorus	short term median		
		14.0 mg/L as Phosphorus	maximum		
Electrical conductivity	Ex each STP after disinfection	1,600 micro Siemens/cm	maximum		Twenty-four (24) hour flow proportioned or time-based
Turbidity	Ex each STP prior to disinfection	2.0 NTU	maximum		Continuous
E.coli	Ex each STP after disinfection	<10 cfu/100 mL (" $<$ " indicates less than)	Median (1)		grab

Notes: " $<$ " indicates less than (1).

A median value calculated using a minimum of 5 grab samples at not less than half-hourly intervals in any one day.

Ongoing

83.	Wet weather/emergency storage overflow abatement management strategy From commencement of the activity to which this permit relates, the person undertaking the activity to which this permit relates must develop and implement an appropriate wet weather/emergency overflow abatement management strategy (WWEOAMS) to prevent the discharge of contaminants off-site from the wet weather storage and emergency storage.	Prior to commencement of use and ongoing
84.	Pond and toxic algal management plan (PATAMP) The person undertaking the activity to which this permit relates must prior to commencement of the activity develop and submit to the administering authority (currently DEHP) a pond and toxic algal management plan (PATAMP) relating to the storage of any treated wastewater in dams, ponds, impoundments or tanks used to store treated wastewater.	Prior to commencement of use and ongoing
85.	Pond and toxic algal management plan (PATAMP) The person undertaking the activity to which this permit relates must implement the PATAMP upon commencement of the activity to which this permit relates.	Ongoing
86.	Pond and toxic algal management plan (PATAMP) The PATAMP must address at least the following: a) vector management; b) odour control; c) measures to prevent potential overflows to waters; d) contingency procedures in the event of emergency overflows to waters; e) stormwater management around treated wastewater storages; f) stratification of waters in the pond; g) weed management; h) visual observations to detect the presence of any algae bloom (including toxic algae such as blue-green algae); i) the collection and analysis of samples if a bloom is suspected (including monitoring of cell counts of algal genera/species); j) proposed remedial actions if a bloom is confirmed (including contingency plans for appropriate management actions in the event that documented trigger levels are reached or other indicators of increasing risk become evident (e.g. decreased light penetration, evidence of scums, increased presence of toxic species); k) notification and reporting if a bloom is confirmed; and l) management measures relating to potential public health issues (i.e. signage, restrict access).	Prior to commencement of use
87.	Pond and toxic algal management plan (PATAMP) The person undertaking the activity to which this permit relates must ensure that the PATAMP details how the person undertaking the activity to which this permit relates will manage the actual and potential environmental impacts resulting from any occurrence of toxic algal outbreaks, including the installation of suitable infrastructure, such as surface aerators, bubblers.	Prior to commencement of use

88.	Pond and toxic algal management plan (PATAMP) The person undertaking the activity to which this permit relates must ensure that a copy of the PATAMP is kept at the approved place.	Ongoing
89.	Pond and toxic algal management plan (PATAMP) The person undertaking the activity to which this permit relates must submit details of any amendment to the PTAMP to the administering authority (currently DEHP) with the Annual Return which immediately follows the enactment of any such amendment.	Ongoing
90.	Desludging management plan (DMP) The person undertaking the activity to which this permit relates must prior to commencement of the activity develop and implement a desludging management plan (DMP) for any treated wastewater storage dams, ponds, impoundments or tanks and submit the DMP to the administering authority (currently DEHP).	Prior to commencement of use and ongoing
91.	Desludging management plan (DMP) The DMP must address, at a minimum, the following: a) the frequency of desludging of the treated wastewater storages; b) alternative measures for storage of treated wastewater during the desludging activity; c) odour control measures to be implemented during the desludging to manage potential odours emitted from the pond, the sludge and during transport; d) suitable disposal locations or reuse options for the sludge; e) environmental management measures to be implemented relating to transportation of sludge; f) designated persons responsible for overseeing the desludging activity; g) emergency/spill response procedures; h) staff training in emergency/spill response procedures and contents of the DMP; and i) method for providing notification to the administering authority (currently DEHP) of the proposed time of desludging activities.	Prior to commencement of use
92.	Desludging management plan (DMP) The person undertaking the activity to which this permit relates must ensure that a copy of the DMP is kept at the approved place.	Ongoing
93.	Desludging management plan (DMP) The person undertaking the activity to which this permit relates must submit details of any amendment to the DMP to the administering authority (currently DEHP) with the Annual Return which immediately follows the enactment of any such amendment.	Ongoing

94.	Treated Wastewater Quality Sampling All treated and untreated wastewater quality sampling and REMP monitoring (if applicable) must be done in accordance with methods prescribed in the Department of Environment and Heritage Protection's latest version of the sampling manual entitled " <i>Monitoring and Sampling 2009 Environmental Protection (Water) Policy 2009 Version 2 September 2010</i> " or more recent additions or supplements to that document as such become available.	Ongoing
	Treated Wastewater Quality Sampling All analyses and tests required to be conducted under this permit must be carried out by a laboratory that has National Association of Testing Authority (N.A.T.A.) certification for such analyses and tests, except as otherwise authorised by the administering authority (currently DEHP).	Ongoing
95.	Monitoring of Volume of Containment Releases to Land from the Irrigation Dam The daily volume of treated wastewater released from the Flinders Sewage Treatment Plant(s) must be determined or estimated for each release point, and records of such releases must be kept.	Ongoing
96.	Monitoring of Volume of Containment Releases to Land from the Irrigation Dam The person undertaking the activity to which this permit relates must keep records of the volume, date, time of commencement and duration of all releases of treated wastewater. The person undertaking the activity to which this permit relates must also keep records of the dates when no releases are made.	Ongoing
97.	Holding Tank(s)/ Wet Weather/Emergency Storage(s) The person undertaking the activity to which this permit relates must ensure that a suitably designed and lined wet weather storage pond(s) with a storage capacity at least 60 MegaLitres (excluding any specified free-board in this permit) is available for the storage of treated wastewater.	Prior to commencement of use
98.	Holding Tank(s)/ Wet Weather/Emergency Storage(s) The person undertaking the activity to which this permit relates must ensure that a suitably designed and lined emergency storage is available for the storage of untreated wastewater or treated wastewater that does not meet the specification specified in - Table Two.	Prior to commencement of use
99.	Holding Tank(s)/ Wet Weather/Emergency Storage(s) The person undertaking the activity to which this permit relates must ensure that suitable banks or diversion drains are installed and maintained to exclude stormwater runoff from entering any ponds or other structures used for the storage or treatment of treated and untreated wastewater.	Prior to commencement of use
100.	Holding Tank(s)/ Wet Weather/Emergency Storage(s) The person undertaking the activity to which this permit relates must ensure that all sludges must not be stored any longer that is necessary for transportation off-site to a facility lawfully able to accept such wastes.	Ongoing

101.	Bunding The person undertaking the activity to which this permit relates must ensure that all chemical tank storages are banded so that the capacity of the bund is sufficient to contain at least one hundred per cent (100%) of the largest storage tank plus ten per cent (10%) of the second largest tank within the bund.	Prior to commencement of use
102.	Bunding The person undertaking the activity to which this permit relates must ensure that all chemical drum storages are banded so that the capacity of the bund is sufficient to contain at least twenty five per cent (25%) of the maximum design storage volume of the bund.	Prior to commencement of use
103.	Bunding The person undertaking the activity to which this permit relates must ensure that all tanker loading and unloading areas are banded so that the capacity of the bund is sufficient to contain one hundred per cent (100%) of the largest compartment of any tanker using the area.	Prior to commencement of use
104.	Bunding The person undertaking the activity to which this permit relates must ensure that all bunding must be constructed of materials which are impervious to the materials stored within it.	Prior to commencement of use
105.	Bunding The person undertaking the activity to which this permit relates must ensure that the base and walls of all banded areas are maintained free from gaps and cracks.	Ongoing
106.	Bunding The person undertaking the activity to which this permit relates must ensure that all fixed chemical storage tanks are roofed where practicable.	Prior to commencement of use
107.	Bunding The person undertaking the activity to which this permit relates must ensure that any stormwater captured within any bund are free of contaminants prior to being discharged to a stormwater detention pond or irrigated to land.	Ongoing
108.	Bunding The person undertaking the activity to which this permit relates must ensure that all empty drums are stored with their closures in place.	Ongoing
109.	Stormwater Management The person undertaking the activity to which this permit relates must ensure that contaminated stormwater is not to be used for dust suppression.	Ongoing

110.	Stormwater Management The person undertaking the activity to which this permit relates must ensure that the maintenance and cleaning of vehicles or other equipment is carried out in areas from where the contaminants cannot be released into any waters and roadside gutters.	Ongoing
111.	Stormwater Management All reasonable and practicable measures must be implemented and maintained to prevent the release of stormwater runoff that has been in contact with contaminants at the approved place to any waters, roadside gutter or stormwater drain.	Ongoing
112.	Stormwater Management Spillage of all chemicals and fuels must be captured 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.	Ongoing
113.	Ponds and Containment Structures for Containments The person undertaking the activity to which this permit relates must ensure that the all ponds used for the storage or treatment of contaminants, wastewater, treated wastewater or wastes at the approved place are constructed installed and maintained to meet the following objectives: a) so as to prevent the likelihood of any release of contaminants through the bed or banks of the pond to any waters (including groundwater); b) so that a freeboard of not less than 0.5 metres is maintained at all times; and c) so as to ensure the stability of the ponds construction.	Prior to commencement of use and ongoing
114.	Groundwater There must be no release of contaminants to groundwater at the approved place.	Ongoing

115	Groundwater If underground storage tanks are installed onsite, the following applies: a) the person undertaking the activity to which this permit relates must implement and undertake continuous liquid leak detection testing of the interstitial space of the underground storage tank; b) the leak detection testing must be connected to an audible and visual alarm at the tank gauge console and displayed on the supervisory control and data acquisition system; c) the alarm must be connected to an uninterrupted power supply to remain operational during incidences of power failure; d) the registered operator must test the alarm operation on a regular basis but not less than 6 monthly; e) any underground diesel storage tanks must be filled in a manner which prevents the release of contaminants to the environment. The fill point of the underground petroleum storage tank must be fitted with a container to catch and contain any spillage during product delivery to the tank; and f) any underground diesel storage tanks must be filled in a manner which prevents the release of contaminants to the environment. The fill point of the underground petroleum storage tank must be filled with a container to catch and contain any spillage during product delivery to the tank.	Ongoing
116	On- Site Treated Wastewater Reuse The on-site use of treated wastewater must only occur in accordance with management strategies that achieve the following environmental outcomes: a) efficient application of treated wastewater utilising best practice methods; b) control of sodicity and salinity in the soil; c) minimal degradation of soil structure; d) control of the build up of nutrients and heavy metals in the soil and subsoil from treated wastewater and other sources; e) prevention of adverse impacts on the groundwater resource; f) prevention of the run-off of treated wastewater, for example by limitation of application rates and the use of structures such as collection dams; g) prevention of surface ponding; h) prevention of spray drift or over-spray from treated wastewater disposal areas; i) prevention of damage to vegetation; j) provides prominent signage, in areas irrigated with treated wastewater and which are accessible to the general public, advising that treated wastewater should not be consumed or used; k) maximises health and safety protection in relation to treated wastewater handling and irrigation; and l) identifies the irrigation area(s).	Ongoing

ENVIRONMENTALLY RELEVANT ACTIVITY 63(1)(d)																																	
Provided by the Department of Environment and Heritage Protection as the nominated assessing authority																																	
NOISE																																	
117.	Noise The person undertaking the activity to which this permit relates must ensure that in the event a valid noise complaint is made to the administering authority (currently DEHP), noise from the approved activities must not exceed the levels specified in Table Three - <i>Noise limits at the boundary of the approved place</i>. Table Three – Noise limits at the boundary of the approved place <table><tr><th rowspan="3">Noise level measured in dB(A)</th><th colspan="3">Monday to Saturday</th><th colspan="3">Sunday and Public Holidays</th></tr><tr><th>7am-6pm</th><th>6pm-10pm</th><th>10pm-7am</th><th>7am-6pm</th><th>6pm-10pm</th><th>10pm-7am</th></tr><tr><th colspan="6">Noise measured at the boundary of the approved place</th></tr><tr><td>Leq adj-15mins</td><td>55</td><td>50</td><td>50</td><td>55</td><td>50</td><td>50</td></tr></table> Note: the compliance noise level must be measured, as near as practicable to the location and height where a straight line from the sound source to the affected dwelling intersects the boundary of the approved place. If this is not practically possible, a noise should be measured at the affected dwelling and modelled to determine compliance at the boundary. If a noise reducing device is constructed on the point of measurement, then the effect of this device will be taken into account. Note: For the purposes of determining the boundary of the site please reference the perimeter as depicted in the subject site boundary of the Sewerage Treatment Plant & Treated Effluent Irrigation Area Concept Plan Sheet 2 of 3 Drawing Number 23300-STP-P163 Amend K dated 25-09-13.						Noise level measured in dB(A)	Monday to Saturday			Sunday and Public Holidays			7am-6pm	6pm-10pm	10pm-7am	7am-6pm	6pm-10pm	10pm-7am	Noise measured at the boundary of the approved place						Leq adj-15mins	55	50	50	55	50	50	Ongoing
Noise level measured in dB(A)	Monday to Saturday			Sunday and Public Holidays																													
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	Noise measured at the boundary of the approved place																																
Leq adj-15mins	55	50	50	55	50	50																											
118.	Noise Monitoring The person undertaking the activity to which this permit relates must: a) carry out noise assessment to investigate a complaint of noise nuisance when requested by the administering authority (currently DEHP); b) commence the noise monitoring within 48 hours of receiving the request from the administering authority; and c) provide the results of the noise monitoring to the administering authority within 14 days of completing the noise monitoring. Monitoring must include: a) LA eq, adj-T b) ambient and background noise levels; c) the level and frequency of occurrence of impulsive or tonal noise; d) atmospheric conditions including wind speed and direction; e) effects due to extraneous factors such as traffic noise; and f) location, date and time of recording.						Ongoing																										

119	Noise Monitoring The person undertaking the activity to which this permit relates must ensure that the method of measurement and reporting of noise levels must comply with the latest edition of the Department of Environment and Heritage Protection's <i>Noise Measurement Manual</i> or the current succeeding document.	Ongoing
120	Noise Monitoring For the purpose of noise monitoring the measurement duration, T, must be determined by a suitably experienced or qualified person, so as to adequately represent and validate the data. Note: The minimum value for T must be:- a) 15 minutes for continuous noises; and b) 1 hour for intermittent noises	Ongoing
121	Generator Testing Testing of the standby generator(s) must only occur between 7:00 am to 6:00 pm with the exception of Black Start Tests which may be undertaken after hours between 11:00 pm and 6:00 am on no more than two occasions per annum, for a maximum duration of four hours for each test.	Ongoing
122	Certification Certification must be provided to the administering authority (currently DEHP) from a suitably qualified acoustic engineer within 3 months from the completion of the commissioning period associated with construction and operation of the Flinders STP (s) that demonstrates that the development meets the noise criteria identified in Table Three. Where the development involves development stages and the construction of additional STP units, certification must be provided by a suitably qualified acoustic engineer following the commissioning of all new STP units that demonstrates the activity meets the noise criteria specified in Table Three.	As indicated
ENVIRONMENTALLY RELEVANT ACTIVITY 63(1)(d) Provided by the Department of Environment and Heritage Protection as the nominated assessing authority SELF MONITORING AND REPORTING		

123	Complaint Recording The person undertaking the activity to which this permit relates must ensure that the all complaints received by the person undertaking the activity to which this permit relates relating to operations at the approved place are recorded in a log book with the following details: a) time, date and nature of complaint; b) type of communication (telephone, letter, personal etc.); c) 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); d) response and investigation undertaken as a result of the complaint; e) results of any monitoring undertaken to investigate the complaint; f) name of person responsible for investigating complaint; and g) action taken as a result of the complaint investigation and signature of responsible person.	Ongoing
124	Incident Recording The person undertaking the activity to which this permit relates must ensure that a record is maintained of events including, but not limited to, the following: a) the time, date and duration of equipment malfunctions that may affect the environmental performance of the approved place; and b) any shut-down of equipment upon which the environmental performance of the approved place depends.	Ongoing
125	Notification of Emergencies and Incidents The person undertaking the activity to which this permit relates must ensure that the as soon as practicable (but no later 24 hours) 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 conditions of this permit, the person undertaking the activity to which this permit relates must notify the administering authority (currently DEHP) of the release by telephone or facsimile.	Ongoing

126.	Notification of Emergencies and Incidents The person undertaking the activity to which this permit relates must ensure that the notification of emergencies or incidents as required by Condition 125 must include but not be limited to the following information: a) the holder of the permit; b) the location of the emergency or incident; c) the number of the permit; d) the name and telephone number of the designated contact person; e) the time of the release; f) the time the registered operator of this permit became aware of the release; g) the suspected cause of the release; h) the environmental harm and or environmental nuisance caused, threatened, or suspected to be caused by the release; i) details of any observations or monitoring results undertaken to identify any environmental harm or nuisance; and j) actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release.	Ongoing
127.	Notification of Emergencies and Incidents The person undertaking the activity to which this permit relates must ensure that not more than twenty-eight (28) days following the emergency or incident, the person undertaking the activity to which this permit relates must provide written advice of the information supplied in accordance with Condition 126 in addition to: a) proposed actions to prevent a recurrence of the emergency or incident; and b) outcomes of actions taken at the time to prevent or minimise environmental harm and or environmental nuisance.	Ongoing
128.	Notification of Emergencies and Incidents The person undertaking the activity to which this permit relates must provide as soon as practicable, but not more than six (6) weeks following the conduct of any environmental monitoring performed in relation to the emergency or incident, written advice of the results of any such monitoring performed.	Ongoing
ENVIRONMENTALLY RELEVANT ACTIVITY 63(1)(d) Provided by the Department of Environment and Heritage Protection as the nominated assessing authority WASTE		
129.	Waste The person undertaking the activity to which this permit relates must ensure that the waste generated in the carrying out of the activity to which this permit relates is stored, handled and transferred in a proper and efficient manner so as to prevent spillage or contamination of land or waters.	Ongoing