



Clyde Terminal – SSD 5147

Annual Environmental Performance Review

Reporting Period: 1st July 2015 to 31st December 2015

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1 Introduction

Viva Energy Australia Pty Ltd (Viva Energy) operates the Clyde Terminal which receives, stores, doses and distributes finished petroleum products.

Following the closure of the Clyde Refinery at the Clyde Terminal in late 2012 and the cessation of refining activities, Viva Energy proposed to undertake the following works at the terminal:

- **Demolition works** – The removal of redundant refinery processing units, tanks and other infrastructure.
- **Construction works** – The carrying out of works including excavation, upgrades to tanks, bunds, drainage and instrumentation, replacement of electrical substations, upgrades to the fire water system and revised pumping and piping works, covered by this consent.
- **Operation** – The operation of the site as a bulk fuel storage facility.

The main objectives of the conversion project are:

- To improve the efficiency of the Clyde Terminal by upgrading existing facilities and structures; and
- To improve environmental and safety performance of the Clyde Terminal while continuing to operate as a viable and efficient finished petroleum product receipt, storage and distribution terminal.

On 14 January 2015, the Planning Assessment Commission of NSW (as delegate of the Minister for Planning) granted Development Consent (SSD 5147) for the project subject to a number of conditions. The Clyde Terminal currently receives finished petroleum products from the Gore Bay Terminal. These products are distributed by pipeline from the Clyde Terminal to the adjacent Parramatta Terminal road gantry, to Sydney Airport, to Silverwater terminal and to Newcastle via existing infrastructure. Butane will be transported into the Clyde Terminal via truck. During the conversion works, the current terminal operations will continue and will be subject to the conditions and requirements under the existing Environment Protection Licence (EPL) No. 570 under the Protection of Environment Operations Act 1997 (POEO Act).

1.1 Scope

This Annual Environmental Performance Review (AEPR) has been prepared in accordance with Development Consent SSD 5147, Condition D4. Table 1-1 lists the requirements of condition D4 and the corresponding sections where each specific requirement is addressed.

Table 1-1 Annual review reporting requirements

Condition D4 requirement	AEPR Section
By the end of July each year, or other timing as may be agreed by the Secretary, the Applicant shall review the environmental performance of the Development to the satisfaction of the Secretary. This review must:	
(a) describe the construction and demolition activities that were carried out in the previous calendar year, and the construction and demolition activities proposed to be carried out in the coming calendar year;	Section 2
(b) include a comprehensive review of the monitoring results and complaints records of the Development over the previous calendar year, which includes a comparison of these results against: <ul style="list-style-type: none">• the relevant statutory requirements, limits or performance measures/criteria;• the monitoring results of previous years; and• the relevant predictions in the EIS;	Section 3
(c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;	Section 4.1
(d) identify any trends in the monitoring data over the life of the Development;	Section 4.2
(e) identify any discrepancies between the predicted and actual impacts of the Development, and analyse the potential cause of any significant discrepancies; and	Section 4.3
(f) describe what measures will be implemented over the current calendar year to improve the environmental performance of the Development.	Section 5

For the 2015 calendar year, the annual performance review, as per condition D4, is being completed in accordance with the following schedule:

- **Reporting Period 1:** 1 January 2015 to 30 June 2015 (referred to as the '**previous reporting period**'), was reported to the Department of Planning and Environment on 12 August 2015. This AEPR related to demolition and construction activities only.
- **Reporting Period 2:** 1 July 2015 to 31 December 2015 (referred to as '**this reporting period**'), to be reported by 31 July 2016. This AEPR for Reporting Period 2 relates to demolition, construction and operations activities.

Following the initial two reports, the AEPR will be submitted for each full calendar year by the 31 July of the following year (e.g. January to December 2016 will be reported by 31st July 2017).

1.2 Actions from last AECR

Completion of Action items from Demolition Waste Tracking Audit

An audit was performed of Liberty Industrial's waste tracking record by representatives of Viva Energy and Liberty Industrial. The following findings were noted and actions implemented:

- Steel cutting process modified to minimise odour emissions. Cutting area moved away from surrounding businesses. Actions were implemented by Liberty Industrial.
- Amendments to waste tracking spreadsheet: Liberty Industrial's on-site quality representative actioned the correction of some formulae and input errors.
- Note: All transport documentation was arranged by characterised waste and embedded by category.
- Note: Waste is currently being segregated by characterisation, with asbestos containing materials being tracked separately.
- Note: All waste stream totals are up to date and are checked for accuracy.

2 Development activities

This Section describes the works undertaken in accordance with Development Consent SSD 5147 during the reporting period (1 July 2015 to 31 December 2015).

2.1 Works undertaken during this reporting period

2.1.1 Demolition works

Table 2-1 shows % progress on demolition works undertaken during this reporting period for each of the designated areas. Refer to Appendix A.1 for location of demolition areas.

Table 2-1 Demolition works progress during July – December 2015

Demolition Area	% Progress
CCU Stripper Tower (Area 10)	90%
3,	100%
11	90%
1	80%
1A	70%
4	90%
5	90%
6	80%
12	90%
13	100%
14	100%
15	80%
17	40%
18	20%
19	20%
20	100%
21	60%
Scrap processing	Ongoing

2.1.2 Construction works

Construction works undertaken during the reporting period included:

- Demolition of pipes in pipe track and transfer pits in preparation for construction activities
- Construction of substation MTS 3

- Construction of substation 32
- Construction of substation 30
- Minor electrical cable runs
- Refurbishment of the following tanks:
 - Tankfarm B: Tank 50
 - Tankfarm B1: Tanks 34, 35
- Various piping installations and modifications
- Overall minor civil works for associated equipment

Refer to Appendix A.2 for location of construction areas.

2.1.3 Operations

Operation of bulk fuel storage facility

As per Condition B8 of SSD 5147, Viva Energy operated in accordance with the SSD consent conditions from 14 July 2015. This requirement was implemented in this reporting period, as such operational activities associated with SSD 5147 approval are included in this report.

Operational activities undertaken from 14 July – 31 December 2015, according to EPL570 consisted of the following:

- Petroleum Products Storage; &
- Non-thermal treatment of hazardous and other waste.

2.2 Proposed works for the next reporting period

2.2.1 Demolition works

Demolition works planned for the next reporting period are as follows;

- Completion of stack demolition during February 2016
- Complete the scope of the Liberty demolition contract (predominately relating to redundant refinery processing assets) by mid-2016.

2.2.2 Construction works

Construction works planned for the next reporting period are as follows:

- Refurbishment of the following storage tanks:
 - Tank farm B1: commissioning of tanks 34, 35
 - Tank farm B2 works on tank 33
 - Tank farm E1 works on tanks 37, 39, 40
 - Tank farm E2 works on tank 87
- Commence works on construction of new firewater tanks
- Connection of mains water supply
- Electrical commissioning of substation 1, 30, 32 and MTS 3
- Minor electrical cable runs
- Various piping installations and modifications
- Minor civil works for associated equipment

Refer to Appendix A.2 for construction area locations.

2.2.3 Operations

Operational activities proposed for the next reporting period will be consistent with the previous reporting period and in compliance with EPL570:

- Petroleum Products Storage; &
- Non-thermal treatment of hazardous and other waste.

3 Monitoring results

3.1 Review of monitoring results and complaint records

Environmental monitoring and complaints are associated with demolition, construction and operation activities for this reporting period.

A review of the relevant results is presented below, with Appendix A.3 providing more detailed information:

3.1.1 Complaints

No complaints were received relating to odour, noise, vibration, air quality or traffic.

3.1.2 Visual Observations

Demolition Activities:

Liberty Industrial, Principal Demolition Contractor, conducted visual observations weekly during the reporting period via Liberty Form 'FRM-013 – Work Area Inspection'.

Visual observations included soil and water discharges, sediment and erosion control measures in place as well as dust levels. No incidents were identified during the weekly inspections.

The above results demonstrate compliance with relevant statutory requirements and performance criteria. The visual observations related to sediment laden water and dust also reflect relevant EIS predictions (refer Appendix A.4).

Operation Activities:

Viva Energy personnel and contractors conduct visual observations during daily rounds and work activities. Observations of note are recorded in the daily log and actioned as required under EPL570 and site procedure.

3.1.3 Wastes

Demolition Activities:

Liberty Industrial implemented and maintained a Waste Register during the reporting period (refer Appendix A.3). This register tracks the amount of waste (in tonnes) generated by the demolition works and details the date of disposal, transport company and disposal facility. A specific Asbestos Register is included in this tracking system.

The volume of waste generated during this reporting period, including asbestos is provided in table 3-1 below.

Operation Activities:

Operations track all wastes leaving the site related to their activities. The volume of waste generated during this reporting period, is provided in table 3-2 below

Table 3-1 Demolition Waste generation during this reporting period

Waste stream	EIS estimate	Actual	Notes
Scrap metal	28,000t	12,901.26	Includes brass, bitumen pipe, heavy steel, fin fan pipes, electric motors & Inconel 600.
Concrete	50,000m3	267.57	Bitumen
Spent erosion and sediment control materials	2t	0.00	
Fencing	10t	0.00	
Soil	20t	0.00	
Contaminated soil	1,000m3	28.6t	Includes flare line material (prescribed waste) -not specifically predicted in EIS
Timber, glass and plastics	500m3	214.68	Cooling Water Towers (timber)
Asbestos	100m3	84.3	Assuming a density of 2.45 ton/m3
PCBs	~1m3	0.5	Oil, solvents & materials contaminated with PCB. Assuming density 2 t/m3
General waste	4,000t	158.06	Domestic waste from staff and contractors
Liquid Waste	N/A	1,194.28	Tank cleaning – not predicted in EIS

Table 3-2 Operation Waste generation during this reporting period

Waste Stream	EIS Estimate	Actual	Notes
Sludge	50t	46	Includes: sludge, black slops, DAF scum, spent carbon
Oil filters and packing	5t		
Oily rags	<1t		
Chemicals (organic solvents)	5t		
Contaminated blue metal (sludge drying bays)	10t		
Empty drums	5t		
Scrap metal	50t	10	
Spent erosion and sediment control materials	2t		
Contaminated soil	50t		
Soil	<100t		
General waste	2000t	125	Includes: General waste, paper, green waste, biofilter cake

4 Assessment of monitoring results

4.1 Compliance with relevant statutory requirements, limits and performance measures / criteria

Relevant statutory requirements, limits and performance measures / criteria are listed for each of the reported monitoring results, see Appendix A.4. These include:

- Development Consent SSD-5147
- Environmental Protection License EPL-570
- Relevant Management Plans

An assessment of the monitoring results against the above criteria found the following non-compliances:

- Discharge to surface waters in excess of TSS criteria from EPL570 discharge point 30.
- Failure to record discharge data for reporting period (reported in 2014-2015 Annual Return).

4.2 Monitoring data trends

Monitoring data is consistent with that shown in the previous monitoring period.

4.3 Comparison with relevant predictions in the EIS

Relevant EIS predictions are listed for each of the reported monitoring results, see Appendix A.4.

Liquid waste generated during tank cleaning activities was not predicted in the EIS. The material was residue located in a tank consisting of spent catalyst and sludge caused by an unscheduled shutdown during the refinery's operation and as such not an expected waste stream.

5 Improvement opportunity measures

The Independent Environmental Audit required under condition D7 of the development consent was completed during May-June 2016. The final report of this Audit will be available in July 2016.

Outcomes of this Audit will be included in the report for the next reporting period.

Appendix A

- A.1 Figure A.1 Demolition staging plan
- A.2 Figure A.2 Construction works plan
- A.3 Monitoring results and complaints records
- A.4 Monitoring results and assessment criteria

A.1 Figure A.1 Demolition staging plan



A.2 Figure A.2 Construction works plan



A.3 Monitoring results and complaints records

Requirement	Aspect	Monitoring Description	Results
Noise and Vibration MP, Air Quality MP, Traffic MP	Complaints	Complaints register maintained in accordance with Section 3.3 of the EMS	No complaints received during this reporting period.
Noise and Vibration MP	Noise monitoring following complaint	Noise monitoring undertaken at the sensitive receivers if a noise complaint is received	Not triggered
Soil and Water MP	Sediment laden water	Visual observations to ensure sediment laden water is managed properly and not discharged off-site	Visual observations conducted weekly throughout various areas of demolition works.
Soil and Water MP	Pollutants in water for discharge	Monitoring requirements will be fulfilled as required in EPL 570	Water discharges only from operational activities.
Soil and Water MP	Testing of excavated soil	In accordance with Soil and Water Management Plan	Excavations associated with construction activities. Soil was tested and re-used or stockpiled on site.
Soil and Water MP	Testing of groundwater and surface water	In accordance with contractor developed groundwater and surface water management Work Method Statement	Not required during the reporting period. Monitoring of surface water discharges according to EPL570 were conducted. Details of results available in Appendix A.4.
Noise and Vibration MP	Noise monitoring for Out of Hours works	Noise monitoring will be undertaken at the sensitive receivers identified in the EIS should noise generating construction or demolition works be required to be undertaken outside normal construction hours.	Not required during the reporting period.
Air Quality MP	Dust	Visual, no record required. May be noted in toolbox talks or daily log	Visual observations conducted weekly throughout various areas of demolition works. Low and controlled levels of dust during reporting period.
Waste and Resource Recovery MP	Demolition and construction waste	Waste tracking system will be implemented in accordance with NSW EPA requirements.	Waste tracking system implemented for demolition works. See screenshot below
Waste and Resource Recovery MP	Demolition and construction waste	Quarterly waste tracking audits to confirm system is being implemented in accordance with NSW EPA requirements	One audit undertaken.

Requirement	Aspect	Monitoring Description	Results
Waste and Resource Recovery MP	Asbestos register	Maintain an asbestos register for all asbestos waste generated during demolition and construction	Asbestos Register included in waste tracking system implemented by Liberty Industrial for demolition works. See screenshot below
Biodiversity MP	Weeds	Monitoring of weed infestations to ensure noxious weed infestations found within the area are controlled in accordance with the Noxious Weed Declarations for Parramatta Local Government Area	Specialised weed control continues monthly: Hand weeded throughout core bush areas prior to spot spray application. Continued to disperse native grasses and groundcovers. As thinning of Casuarinas continue, it is anticipated that these areas will be seeded with local provenance native grasses, groundcovers and herbs where regeneration and resilience is low. Weeds treated: Bidens pilosa, Cardiospermum grandiflorum, Chloris gayana, Conyza spp., Ehrharta erecta, Juncus acutus, Sida rhombifolia, Solanum nigrum.
Biodiversity MP	GGBF	In accordance with the <i>Plan of Management GGBF Clyde</i> (White, October 2013) or updated approved version	The construction of the ponds has not started. Preparation works have commenced. These consist of frog clearances prior to commencing construction (some areas only) and training contractors for frog identification (inductions).

Waste Tracking Screenshot:

	A	B	C	D	E	F	G
1	Date	Waste Description	Docket #	Transport Company	Truck Rego	Disposal Facility	Quantity (tonnes)
658	13/07/2015	Heavy Steel	10922089	LIBERTY	1EHB876	Onesteel	22.640
659	13/07/2015	Heavy Steel	10922490	LIBERTY	1EHB876	Onesteel	22.720
660	13/07/2015	Heavy Steel	10922741	LIBERTY	1EHB876	Onesteel	22.680
661	13/07/2015	Heavy Steel	3273	LIBERTY	1EHB876	Onesteel	22.780
662	13/07/2015	Heavy Steel	10923109	LIBERTY	1EHB876	Onesteel	22.700
663	13/07/2015	Heavy Steel	10923402	LIBERTY	1EHB876	Onesteel	22.640
664	14/07/2015	Bitumen	2520	Express Waste	BY 99 TO	Blacktown	9.720
665	14/07/2015	Bitumen	2519	Express Waste	BY 99 TO	Blacktown	8.680
666	14/07/2015	Bitumen	2521	Express Waste	BY 99 TO	Blacktown	9.600
667	14/07/2015	Bitumen	2522	Express Waste	BY 99 TO	Blacktown	12.020
668	14/07/2015	Bitumen	2523	Express Waste	BY 99 TO	Blacktown	12.200
669	14/07/2015	Heavy Steel	10924631	LIBERTY	1EHB876	Onesteel	23.000
670	14/07/2015	Heavy Steel	10924218	LIBERTY	1EHB876	Onesteel	22.540
671	14/07/2015	Heavy Steel	10923979	LIBERTY	1EHB876	Onesteel	22.840
672	14/07/2015	Heavy Steel	10923682	LIBERTY	1EHB876	Onesteel	22.840
673	14/07/2015	Heavy Steel	10924973	LIBERTY	1EHB876	Onesteel	22.740
674	14/07/2015	Heavy Steel	10925326	LIBERTY	1EHB876	Onesteel	23.000
675	15/07/2015	Heavy Steel	10926782	LIBERTY	1EHB876	Onesteel	22.440
676	15/07/2015	Heavy Steel	10926117	LIBERTY	1EHB876	Onesteel	22.920
677	15/07/2015	Heavy Steel	10926537	LIBERTY	1EHB876	Onesteel	22.900
678	15/07/2015	Bitumen	2527	Express Waste	AM50JF	Blacktown	11.560
679	15/07/2015	Bitumen	2528	Express Waste	AM50JF	Blacktown	12.920
680	15/07/2015	Heavy Steel	10925763	LIBERTY	1EHB876	Onesteel	22.920
681	15/07/2015	Bitumen	2526	Express Waste	BY 99 TO	Blacktown	8.260
682	15/07/2015	Bitumen	2524	Express Waste	AM50JF	Blacktown	13.910
683	15/07/2015	Bitumen	2525	Express Waste	AM50JF	Blacktown	12.440

A.4 Monitoring results and assessment criteria

Aspect	Statutory requirements, limits, performance measures / criteria	Results – This reporting period (See Appendix A.3)	Results – Previous reporting period	Relevant EIS predictions
Complaints	<p>EPL 570: Condition M5 – Recording of pollution complaints</p> <p>Noise and Vibration MP: Effective management of complaints raised by the community / surrounding businesses / stakeholders with regards to noise and vibration related to demolition and construction</p> <p>Air Quality MP: No complaints raised by the community / surrounding businesses / stakeholders with regards to air emissions, dust or odour related to demolition / construction</p> <p>Traffic MP: No traffic related issues raised by the community and stakeholders during demolition and construction</p>	No complaints received	1	N/A
Sediment laden water	<p>SSD 5147: Condition C46 – The Development shall comply with section 120 of the Protection of the Environment Operations Act 1997, which prohibits the pollution of waters, except as expressly provided in an EPL</p> <p>Soil and Water MP: No concentrated overland flows onto adjacent properties</p>	Visual observations conducted weekly throughout various areas of demolition works. No off-site discharges during the reporting period.	Visual observations conducted weekly throughout various areas of demolition works. No off-site discharges during the reporting period.	There is potential for the Project to intercept, disturb, or mobilise contaminated soils, including Acid Sulphate Soils (ASS). If not appropriately managed, this has the potential to impact both on-site and off-site receivers.
Dust	SSD 5147: Condition C28 – The Applicant shall carry out all reasonable and feasible measures to minimise dust generated during	Visual observations conducted weekly throughout various areas of demolition works. Low and controlled levels of dust during reporting period	Visual observations conducted weekly throughout various areas of demolition works. Low and controlled levels of dust during reporting period	Construction and demolition works for the Project are likely to generate temporary and negligible impacts to the existing air quality. The primary

Aspect	Statutory requirements, limits, performance measures / criteria	Results – This reporting period (See Appendix A.3)	Results – Previous reporting period	Relevant EIS predictions
	<p>construction, demolition and operation</p> <p>EPL 570: Condition O3.1 The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises</p>			air quality impact identified for these works is dust generation.
Demolition and construction waste	<p>Waste and Resource Recovery MP: Data and reporting to indicate a Waste Tracking System implemented during demolition and construction phases of the Project</p>	<p>Waste tracking continued. Audit actions completed.</p>	<p>Waste tracking system implemented for demolition works. One audits of Liberty Industrial's waste tracking system was undertaken</p>	<p>Scrap metal : 28000 t</p> <p>Concrete: 50000 m3</p> <p>Spent erosion and sediment control material: 2 t</p> <p>Fencing: 10 t</p> <p>Soil: 20 t</p> <p>Contaminated soil: 1000 m3</p> <p>Asbestos:100 m3</p> <p>General waste: 4000 t</p>
Asbestos register	<p>EPL 570: Condition L5 – note: POEO (Waste) Regulation 2014 – Schedule 1 – Waste to which waste tracking requirements under Part 4 apply</p>	<p>Tracking continued</p>	<p>Asbestos Register included in waste tracking system implemented for demolition works</p>	<p>As above</p>
Blasting	<p>Noise and Vibration MP: Australian and New Zealand Environment Council (ANZEC, 1990) Technical basis for guidelines to minimise annoyance due to blasting overpressure and ground vibration (measured at noise sensitive sites):</p> <p>Blast overpressure: <120 dB (Lin Peak)</p> <p>Ground vibration: 10 mms</p>	<p>No blasting activities</p>	<p>Results from one blast event:</p> <p>Dust – PM₁₀: Max. of 56.1 µg/m³, 24-hr average</p> <p>Blast overpressure: >146 dB</p> <p>Ground vibration: 0.99 mms</p>	<p>Demolition blasting is anticipated to comply with the relevant criteria.</p>

OPERATIONS – Discharge monitoring for the period

Licensee: Viva Energy Australia Ltd													
EPL 570													
EPA ID No.1 – Biotreater Effluent													
Pollutant	Biochemical Oxygen Demand (BOD)	Fluoride	Nitrogen (Ammonia)	Oil and Grease	pH	Phenols	Total Nitrogen	Total Petroleum Hydrocarbons				Total Phosphorus	Total Suspended Solids
Licence Limit	45/95 (50%/90%)	25/40 (50%/90%)	6/30 (50%/90%)	8/10 (50%/90%)	6-9	0.5	35/100 (50%/90%)	C6-C9	C10-C14	C15-C28	C29-C36	1.5/6 (50%/90%)	30/60 (50%/90%)
Units of Measure	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L				mg/L	mg/L
Freq. as per EPL	Weekly	Weekly	Fortnightly	Weekly	Weekly	Weekly	Fortnightly	Fortnightly				Fortnightly	Weekly
June 2015													
04/06/2015	<5	5.2	0.04	<5	8.0	0.03	2.5	<0.2	<0.05	0.26	<0.2	0.25	<5
July 2015													
02/07/2015	<5	4.7	0.04	<5	8.0	0.02	3	<0.2	<0.05	0.23	<0.2	0.08	<5
August 2015													
06/08/2015	<5	6.5	0.04	<5	7.9	0.03	0.97	0.87	<0.05	0.4	<0.2	0.39	<5
September 2015													
03/09/2015	<5	6.4	0.13	<5	8.1	0.02	2.2	<0.2	<0.05	0.33	<0.2	0.25	<5
October 2015													
01/10/2015	<5	16	0.04	<5	7.8	0.03	7.1	<0.2	<0.05	0.51	<0.2	0.31	<5
November 2015													
05/11/2015	<5	4.9	0.20	<5	7.4	0.02	3.7	<0.04	<0.05	0.27	<0.2	0.18	<5
December 2015													
03/12/2015	<5	2.7	0.08	<5	7.4	0.02	6.3	<0.2	<0.05	<0.2	<0.2	0.38	15

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EPL 570

EPA ID No.2 – Main Interceptor Pumpout

Pollutant	pH	Phenols	Total Organic Carbon	Total Suspended Solids	Publishing Date
Licence Limit	6.0-9.0	0.5	100	50	
Units of Measure	pH	mg/L	mg/L	mg/L	
Frequency as per EPL	Daily when discharging	Daily when discharging	Daily when discharging	Daily when discharging	
June 2015	No discharge in June				July 2015
July 2015	No discharge in July				September 2015
August 2015	No discharge in August				September 2015
September 2015	No discharge in September				October 2015
October 2015	No discharge				November 2015
November 2015	No discharge				December 2015
December 2015	No discharge				January 2016

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EPL 570

EPA ID No. 4 - B2 System Pumpout

EPA ID No. 26 - B2 System Monitoring Point

Pollutant	pH	Phenols	Total Organic Carbon	Total Suspended Solids	Total Petroleum Hydrocarbons	Publishing Date
Licence Limit	6.0-9.0	0.5	100	50	n/a	
Units of Measure	pH	mg/L	mg/L	mg/L	µg/L	
Frequency as per EPL	Daily when discharging	Daily when discharging	Daily when discharging	Daily when discharging	Daily when discharging	
July 2015	No discharge					September 2015
August 2015	No discharge					September 2015
September 2015	No discharge					October 2015
October 2015	No discharge					November 2015
November 2015	No discharge					December 2015
December 2015	No discharge					January 2016

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EPL 570

EPA ID No.23, 24, 25, 27 – Flexible discharge outlets

Pollutant	pH	Total Organic Carbon	Total Suspended Solids	Publishing Date
Licence Limit	6.0-9.0	100	50	
Units of Measure	pH	mg/L	mg/L	
Frequency as per EPL	<24 hrs prior to discharge	<24 hrs prior to discharge	<24 hrs prior to discharge	
July 2015	No discharge			
August 2015	No discharge			September 2015
September 2015	No discharge			October 2015
October 2015	No discharge			November 2015
November 2015	No discharge			December 2015
December 2015	No discharge			January 2016

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EPL 570

EPA ID No.30 – LBL Interceptor

Pollutant	pH	Oil and Grease	Total Organic Carbon	Total Suspended Solids	Publishing Date	
Licence Limit	6.0-9.0	10	100	50		
Units of Measure	pH	mg/L	mg/L	mg/L		
Frequency as per EPL	Daily when discharging	Daily when discharging	Daily when discharging	Daily when discharging		
June 2015	No discharge				July 2015	
July 2015	No discharge				September 2015	
August 2015	No discharge				September 2015	
September 2015	No discharge				October 2015	
October 2015	No discharge				November 2015	
November 2015	No discharge				December 2015	
Dec 2015	22/12/2015	6.9	<5	9.3	62	January 2015

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