SELECT	cells that are highlighted blue cont
guidance document link	cells that contain underlined text c
Table heading *	table headings followed by a symb
Cells with red indicator in top right corner	cells that have a red indicator in th

:ain a dropdown menu click to select one option from the list

click to access relevant guidance documents for this section

ol have an associated footnote or instructions

ие top right corner contain a comment box with further instructions or clarification

Facility Information Summary

AER Reporting Year
Licence Register Number
Name of site
Site Location
NACE Code
Class/Classes of Activity
National Grid Reference (6E, 6 N)

A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year and an overview of compliance with your licence listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.

2014		
W0002-01		
	Ballyguyro	e Landfill
	Ballyguyroe North,Kilde	orrey Mallow Co.Cork

The landfill facility at Ballyguyroe North has been in operation since 1990, accepting waste at an annual rate of approx 20,000 tonnes. The site reached full capacity and cloased for the acceptance of waste on Thursday 27th September 2001. Cork County Council held a waste licence (Register No. 2-1) to operate Ballyguyroe landfill site until March 15th 2004, when it obtained a new licence (register No 2-2/W 002-02). Inaccordance with therequirments of Condition 11.3 of the waste licence, an AER for the facility is submitted to the agency annually in March. Ballyguyroe landfill site occupies approx 15 hectares and is located 6km north-west of the village of Kildorrey. The site lies inthe Blackwater catchment with the Farahy River flowing southwards within the valey outside the eastern boundary. Surface water from the site drains in to this river. The AER for Ballyguyroe Landfill comprises of Ground water sampling carried out on a quarterly and annual basis- Surface water sampling carried out a monthly/ quarterly and annual basis, while leachate sampling is carried out annually. Weekly leachate dipping and monthly gas monitoring are also carried out. Weather conditions are also noted on a weekly basis. The majority of sampling for ground water were compliant, with the exception of high ammonia in 96 4d during 2014. Surface water sampling were compliant with licence conditions during 2014. Additional, to licence conditions, historical monitoing of group water schemes and private domestic wells were carried out. All private well owners received results along. The ground water quality in this area is indicative of

Declaration:

All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

Signature Date

Group/Facility manager

(or nominated, suitably qualified and experienced deputy)

	AIR-summary template	Lic No:	W0002-01	Year	2014	
	Answer all questions and complete all tables where relevant			Additional information		
1	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If you do not have licenced emissions and do no complete a solvent management plan (table A4 and A5) you do not need to complete the tables	t SELECT		n/a		
	Periodic/Non-Continuous Monitoring					
2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below	SELECT				
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? Basic air monitoring monitoring checklist AGN2	SELECT				
	Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuou	ıs)				

Emission reference no:		Frequency of	ELV in licence or any revision therof	Licence Compliance criteria	 Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass	Comments - reason for change in % mass load from previous year if applicable
	SELECT			SELECT	SELECT	SELECT	SELECT		
	SELECT			SELECT	SELECT	SELECT	SELECT		
	SELECT			SELECT	SELECT	SELECT	SELECT		
	SELECT			SELECT	SELECT	SELECT	SELECT		

Note 1: Volumetric flow shall be included as a reportable parameter

AIR-summar	y template				Lic No:	W0002-01		Year	2014	
	Continuous Mo	onitoring								
Does your site o	carry out continuous air emis	ssions monitoring?			SELECT					
If yes please	•	nitoring data and re its relevant Emissio		ed fields below in Table 3 and LV)		_			-	
Did continuous r	monitoring equipment expe	ord downtime in table 3 below	SELECT				_			
Do you have a proactive service agreement for each piece of continuous monitoring equipment?										
-	site experience any abateme mmary of average em				SELECT]	
					•					
Emission reference no:	Parameter/ Substance		Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
	SELECT	there!		SELECT	SELECT					
	SELECT.				SELECT					
	SELECT				JLLLCI					
	SELECT				SELECT					

note 1: Volumetric flow shall be included as a reportable parameter.

SELECT

SELECT

Table 43.	Ahatement system	bypass reporting table	

Bypass protocol	
Reason for bypass	Impact magnitude

SELECT

SELECT

- tarie rise rise and a special specia												
Duration** (hours)	Location	Reason for bypass	Impact magnitude	Corrective action								

^{*} this should include all dates that an abatement system bypass occurred

 $[\]hbox{\ensuremath{}^{**}}\ an\ accurate\ record\ of\ time\ by pass\ beginning\ and\ end\ should\ be\ logged\ on\ site\ and\ maintained\ for\ future$ Agency inspections please refer to bypass protocol link

AIR-summary t	template				Lic No:	W0002-01		Year	2014		
Solvent u	use and managemen	t on site									
Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5 SELECT											
Table A4: Solvent Management Plan Summary Solvent Please refer to linked solvent regulations to											
Total VOC Emis	ssion limit value		regulations	complete table 5	and 6						
Reporting year	Total solvent input on	Total VOC emissions to Air		Total Emission Limit Value	Compliance						
	site (kg)	from entire site		(ELV) in licence or any revision therof							
					SELECT						
					SELECT						
Table A5: S	olvent Mass Balance	summary							1		
	(I) Inputs (kg)			(O) Outputs (kg)						
Solvent	(I) Innute (Ica)			Collected waste solvent (kg)	Fugitive Organic		Solvents destroyed		1		
	(I) Inputs (kg)	emission in	water (kg)		Solvent (kg)	other ways e.g. by-	onsite through	Solvent to air (kg)	-		
									_		
									-		
									-		
							Total				

rns summary template-WATER/WASTEWATER(SEWER)		Lic No:	W0002-01	
			Additional information	
Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below 1 for the current reporting year and answer further questions. If you do not have licenced emissions you only need to complete table W1 and or W2 for surface water analysis and visual inspections				
	no			
Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your				

Table W1 Surface water monitoring

	able W1 Surface water	nonitoring								
Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SS2	downstream		рН	Quarterly	No ELV or trigger levels	N/A	7.2	pH units	yes	Median Vaulue for 2014
SS2	downstream		Temperature	Quarterly	No ELV or trigger levels	N/A	9.5	degrees C	yes	Median Vaulue for 2014
SS2	downstream		Conductivity	Quarterly	No ELV or trigger levels	N/A	91	μS/cm@25oC	yes	Median Vaulue for 2014
SS2	downstream		Dissolved Oxygen	Quarterly	No ELV or trigger levels	N/A	10.8	mg/L	yes	Median Vaulue for 2014
SS2	downstream	Chlorides (as CI)		Quarterly	No ELV or trigger levels	N/A	16	mg/L	ves	Median Vaulue for 2014
552	downstream	Cilionaes (as Ci)	ROD	Quarterly	No ELV or trigger levels	N/A	3.5	mg/L	ves	Median Vaulue for 2014
SS2	downstream		COD	Quarterly	No ELV or trigger levels	N/A	33	mg/L	yes	Median Vaulue for 2014
SS2	downstream		Ammonia (as N)	Quarterly	No ELV or trigger levels	N/A	0.07	mg/L	yes	Median Vaulue for 2014
SS2	downstream		Suspended Solids	Quarterly	No ELV or trigger levels	N/A	<35	mg/L	yes	Median Vaulue for 2014
552	downstream	Chromium and compounds (as	Boron	Annual	N		<0.01	mg/L	У	Annual results 2014
552	downstream	Cr)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result
552	downstream	Copper and compounds (as Cu) Cadmium and compounds (as		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result
552	downstream	Cd)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result
SS2	downstream		Iron	Annual	No ELV or trigger levels	N/A	769	μg/L	yes	Annual result
SS2	downstream	Lead and compounds (as Pb)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result
SS2	downstream		Magnesium	Annual	No ELV or trigger levels	N/A	2.05	mg/L	yes	Annual result
SS2	downstream		Manganese (as Mn)	Annual	No ELV or trigger levels	N/A	22	μg/L	yes	Annual result
SS2	downstream	Mercury and compounds (as Hg)		Annual	No ELV or trigger levels	N/A	<1	μg/L	yes	Annual result
SS2	downstream	Nickel and compounds (as Ni)		Annual			<20	μg/L	yes	Annual result
SS2	downstream		Potassium	Annual	No ELV or trigger levels	N/A	1.01	mg/L	yes	Annual result
SS2	downstream		Sulphate	Annual	No ELV or trigger levels	N/A	<2.5	mg/L	yes	Annual result
SS2	downstream		Total Oxidised Nitrogen (TON)	Annual	No ELV or trigger levels	N/A	11.96	mg/L	yes	Annual result
SS2	downstream	Zinc and compounds (as Zn)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result
SS2	downstream	Total phosphorus		Annual	No ELV or trigger levels	N/A	0.02	mg/L	yes	Annual result
SS5@V2	onsite		рН	Quarterly	No ELV or trigger levels	N/A	7.6	pH units	yes	Median Vaulue for 2014
SS5@V2	onsite		Temperature	Quarterly	No ELV or trigger levels	N/A	6.75	degrees C	yes	Median Vaulue for 2014
SS5@V2	onsite		Conductivity	Quarterly	No ELV or trigger levels	N/A	127	μS/cm@25oC	yes	Median Vaulue for 2014
SS5@V2	onsite		Dissolved Oxygen	Quarterly	No ELV or trigger levels	N/A	11.02	mg/L	yes	Median Vaulue for 2014
SS5@V2	onsite	Chlorides (as Cl)	,,,,,,	Quarterly	No ELV or trigger levels	N/A	19.81	mg/L	yes	Median Vaulue for 2014
SS5@V2	onsite		BOD	Quarterly	No ELV or trigger levels	N/A	3	mg/L	yes	Median Vaulue for 2014
SS5@V2	onsite		COD	Quarterly	No ELV or trigger levels	N/A	26	mg/L	yes	Median Vaulue for 2014
SS5@V2	onsite		Ammonia (as N)	Quarterly	No ELV or trigger levels	N/A	0.025	mg/L	yes	Median Vaulue for 2014
SS5@V2	onsite		Suspended Solids	Quarterly	No ELV or trigger levels	N/A	<35	mg/L	ves	Median Vaulue for 2014
SS5@V2	onsite		Boron	Annual	No ELV or trigger levels	N/A	<0.01	mg/l	YES	Annual results for 2014
SS5@V2	onsite	Chromium and compounds (as Cr)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result for 2014
SS5@V2	onsite	Copper and compounds (as Cu)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result for 2014

ns summary template-WAT	TO AMACYCINATEDIC FINE	n)				Lic No:	W0002-01		Year	2014
_	ER/WASTEWATER(SEWE	Cadmium and compounds (as			T	LIC NO:		l	tear	
SS5@V2	onsite	Cd)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result for 2014
SS5@V2	onsite		Iron	Annual	No ELV or trigger levels	N/A	325	μg/L	yes	Annual result for 2014
SS5@V2	onsite	Lead and compounds (as Pb)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result for 2014
SS5@V2	onsite		Magnesium	Annual	No ELV or trigger levels	N/A	3.24	mg/L	yes	Annual result for 2014
SS5@V2	onsite		Manganese (as Mn)	Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result for 2014
SS5@V2	onsite	Mercury and compounds (as Hg)		Annual	No ELV or trigger levels	N/A	<1	μg/L	yes	Annual result for 2014
SS5@V2	onsite	Nickel and compounds (as Ni)		Annual			<20	μg/L	yes	Annual result for 2014
SS5@V2	onsite	Mickel and compounds (as in)	Potassium	Annual	No ELV or trigger levels	N/A	2.04	mg/L	yes	Annual result for 2014
SS5@V2				Annual	No ELV or trigger levels		9.3			Annual result for 2014
SS5@V2	onsite		Sulphate Total Oxidised Nitrogen	Annual	No ELV or trigger levels	N/A	1.1	mg/L	yes	Annual result for 2014
SS5@V2	onsite		(TON)	Annual	No ELV or trigger levels	N/A	<20	mg/L	yes	Annual result for 2014
SS5@V2	onsite	Zinc and compounds (as Zn)				N/A	0.03	μg/L	yes	
	onsite	Total phosphorus		Annual	No ELV or trigger levels	N/A		mg/L	yes	Annual result for 2014
555	downstream		PH	Quarterly	No ELV or trigger levels	N/A	7.6	pH units	yes	Annual result for 2014
SSS	downstream		Temperature	Quarterly	No ELV or trigger levels	N/A	6.75	degrees C	yes	Median Vaulue for 2014
555	downstream		Conductivity	Quarterly	No ELV or trigger levels	N/A	127	μS/cm@25oC	yes	Median Vaulue for 2014
555	downstream		Dissolved Oxygen	Quarterly	No ELV or trigger levels	N/A	11.02	mg/L	yes	Median Vaulue for 2014
SSS	downstream	Chlorides (as Cl)		Quarterly	No ELV or trigger levels	N/A	19.81	mg/L	yes	Median Vaulue for 2014
SSS	downstream		BOD	Quarterly	No ELV or trigger levels	N/A	3	mg/L	yes	Median Vaulue for 2014
SSS	downstream		COD	Quarterly	No ELV or trigger levels	N/A	26	mg/L	yes	Median Vaulue for 2014
SSS				Quarterly	No ELV or trigger levels		0.025			Median Vaulue for 2014
SSS	downstream		Ammonia (as N)	Quarterly	No ELV or trigger levels	N/A	<35	mg/L	yes	Median Vaulue for 2014
SSS	downstream downstream		Suspended Solids Boron	Annual		N/A	<5.51	mg/L mg/l	yes yes	
SSS	downstream	Chromium and compounds (as Cr)		Annual	No ELV or trigger levels	N/A	0.708	μg/L	yes	Annual result for 2014
\$\$5	downstream	Copper and compounds (as Cu)		Annual	No ELV or trigger levels	N/A	0.904	mg/L	yes	Annual result for 2014
SSS	downstream	Cadmium and compounds (as Cd)		Annual	No ELV or trigger levels	N/A	>0.1	ug/L	yes	Annual result for 2014
555		Cuj	Iron	Annual	No ELV or trigger levels	N/A	169.3	μg/L ug/L	ves	Annual result for 2014
SSS	downstream			Annual	No ELV or trigger levels	,	0.067	T T	,	Annual result for 2014
	downstream	Lead and compounds (as Pb)				N/A		μg/L	yes	
SSS	downstream		Magnesium	Annual	No ELV or trigger levels	N/A	2.46	mg/L	yes	Annual result for 2014
SSS	downstream		Manganese (as Mn)	Annual	No ELV or trigger levels	N/A	<0.93	μg/L	yes	Annual result for 2014
SSS	downstream	Mercury and compounds (as Hg)		Annual	No ELV or trigger levels	N/A	<0.03	μg/L	yes	Annual result for 2014
SSS	downstream		Potassium	Annual	No ELV or trigger levels	N/A	0.693		yes	Annual result for 2014
SSS			Sulphate	Annual	No ELV or trigger levels	N/A	1246	mg/L		Annual result for 2014
SSS	downstream		Total Oxidised Nitrogen	Annual	No ELV or trigger levels	.,,		mg/L	yes	Annual result for 2014
SSS	downstream		(TON)	annual	No ELV or trigger levels	N/A	<0.07 2.241	mg/L	yes	Annual result for 2014
SSS	downstream	Zinc and compounds (as Zn)		Annual	No ELV or trigger levels	N/A		μg/L	yes	Annual result for 2014
	downstream	Total phosphorus				N/A	0.034	mg/L	yes	
RS1	downstream		PH	Quarterly	No ELV or trigger levels	N/A	7.5	pH units	yes	Median vaule for 2014
RS1	downstream		Temperature	Quarterly	No ELV or trigger levels	N/A	9.3	degrees C	yes	Median vaule for 2014
RS1	downstream		Conductivity	Quarterly	No ELV or trigger levels	N/A	123	μS/cm@25oC	yes	Median vaule for 2014
RS1	downstream		Dissolved Oxygen	Quarterly	No ELV or trigger levels	N/A	12	mg/L	yes	Median vaule for 2014
RS1	downstream	Chlorides (as CI)		Quarterly	No ELV or trigger levels	N/A	19.78	mg/L	yes	Median vaule for 2014. Tidal infulence
RS1	downstream		BOD	Quarterly	No ELV or trigger levels	N/A	1	mg/L	yes	Median vaule for 2014
RS1	downstream		COD	Quarterly	No ELV or trigger levels	N/A	7	mg/L	yes	Median vaule for 2014
RS1	downstream		Ammonia (as N)	Quarterly	No ELV or trigger levels	N/A	0.12	mg/L	yes	Median vaule for 2014
RS1				Quarterly	No ELV or trigger levels	N/A N/A				Median vaule for 2014
RS1	downstream		Suspended Solids	Annual		N/A	<35	mg/L	yes	annual result
-	downstream	Chromium and compounds (as	boron		No Flat and description		<0.01	mg/L	У	
RS1	downstream	Cr)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Median vaule for 2014
RS1	downstream	Copper and compounds (as Cu) Cadmium and compounds (as		Annual	No ELV or trigger levels	N/A	<20	mg/L	yes	Annual result for 2014
RS1	downstream	Cd)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result for 2014
RS1	downstream		Iron	Annual	No ELV or trigger levels	N/A	241	μg/L	yes	Annual result for 2014

mary template-WATE	ER/WASTEWATER(SEWE	R)				Lic No:	W0002-01		Year	2014
RS1	downstream	Lead and compounds (as Pb)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result for 2
RS1	downstream		Magnesium	Annual	No ELV or trigger levels	N/A	3.32	mg/L	yes	Annual result f 2014.EQS limit
RS1	downstream		Manganese (as Mn)	Annual	No ELV or trigger levels	N/A	33	μg/L	yes	Annual result for
RS1	downstream	Mercury and compounds (as Hg)		Annual	No ELV or trigger levels	N/A	<1	μg/L	yes	Annual result for
RS1	downstream	Nickel and compounds (as Ni)		Annual			<20	μg/L	yes	Annual result for
RS1	downstream		Potassium	Annual	No ELV or trigger levels	N/A	<0.5	mg/L	yes	Annual result fo
RS1	downstream		Sulphate	Annual	No ELV or trigger levels	N/A	<2.5	mg/L	yes	Annual result fo
RS1	downstream		Total Oxidised Nitrogen (TON)	Annual	No ELV or trigger levels	N/A	0.52	mg/L	yes	Annual result fo
RS1	downstream	Zinc and compounds (as Zn)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result fo
RS1	downstream	Total phosphorus		Annual	No ELV or trigger levels	N/A	0.02	mg/L	yes	Annual result fo
RS2	upstream		рН	Quarterly	No ELV or trigger levels	N/A	7.5	pH units	yes	Median vaule fo
RS2	upstream		Temperature	Quarterly	No ELV or trigger levels	N/A	9.7	degrees C	yes	Median vaule fo
RS2	upstream		Conductivity	Quarterly	No ELV or trigger levels	N/A	104	μS/cm@25oC	yes	Median vaule fo
RS2	upstream	Chlorides (as CI)		Quarterly	No ELV or trigger levels	N/A	11.8	mg/L	yes	Median vaule fe
RS2	upstream		BOD	Quarterly	No ELV or trigger levels	N/A	2	mg/L	yes	Median vaule fo
RS2	upstream		COD	Quarterly	No ELV or trigger levels	N/A	6	mg/L	yes	Median vaule f
RS2	upstream		Ammonia (as N)	Quarterly	No ELV or trigger levels	N/A	0.05	mg/L	yes	Median vaule fo
RS2	upstream		Suspended Solids	Quarterly	No ELV or trigger levels	N/A	<35	mg/L	yes	Median vaule fo
RS2	upstream		Boron	Annual		n/a		mg/l	yes	Annual resu
RS2	upstream	Chromium and compounds (as Cr)		Annual	No ELV or trigger levels	N/A	<20	mg/L	yes	Annual result fo
RS2	upstream	Copper and compounds (as Cu)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result f
RS2	upstream	Cadmium and compounds (as Cd)		Annual	No ELV or trigger levels	N/A	<20	mg/L	yes	Annual result f
RS2	upstream		Iron	Annual	No ELV or trigger levels	N/A	293	μg/L	yes	Annual result fo
RS2	upstream	Lead and compounds (as Pb)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result fo
RS2	upstream		Magnesium	Annual	No ELV or trigger levels	N/A	3.33	mg/L	yes	Annual result fo
RS2	upstream		Manganese (as Mn)	Annual	No ELV or trigger levels	N/A	32	μg/L	yes	Annual result fo
RS2	upstream	Mercury and compounds (as Hg)		Annual	No ELV or trigger levels	N/A	<1	μg/L	yes	Annual result f
RS2	upstream	Nickel and compounds (as Ni)		Annual	No ELV or trigger levels		<20	μg/L	yes	Annual result fo
RS2	upstream		Potassium	Annual	No ELV or trigger levels	N/A	0.5	μg/L	yes	Annual result fo
RS2	upstream		Sulphate	Annual	No ELV or trigger levels	N/A	<2.5	mg/L	yes	Annual result fo
RS2	upstream		Total Oxidised Nitrogen (TON)	Annual	No ELV or trigger levels	N/A	0.51	mg/L	yes	Annual result f
RS2	upstream	Zinc and compounds (as Zn)		Annual	No ELV or trigger levels	N/A	<20	μg/L	yes	Annual result fo
RS2	upstream	Total phosphorus		Annual	No ELV or trigger levels	N/A	0.03	mg/L	yes	Annual result fo
			nissions to water and /or w	astewater(sewer)-perio	dic monitoring (non-conti					
was there any result	t in breach of licence req	uirements? If yes please provide below	oner details in the comment	section of Table W3	SELECT		Additional information			

Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3
below

Was all monitoring carried out in accordance with EPA guidance and checklists
for Coality of Auperous Monitoring bata Reported to the EPA? If no please detail

4 what are require improvement in additional immunition has Quality checklist checklists

Quality checklist

SELECT

Additional information

SELECT

Additional information

ater and /or wastewater (sewer)-periodic monitoring (non-continuous)

Emission reference	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision therof ^{Note 2}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Annual mass load (kg)	Comments
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT		
											·			

						Lic No:	W0002-01		Year	2014		
		Continuous monitoring					Additional Information					
	Does your site carry out	t continuous emissions to wa	ater/sewer monitoring?									
			,		SELECT							
If yes please summarise y	your continuous monitorin	ng data below in Table W4 a (ELV)	and compare it to its relevan	t Emission Limit Value								
Did continuous n	monitoring equipment exp	perience downtime? If yes pl	ease record downtime in tab	ble W4 below	SELECT							
Do you hav	ve a proactive service contr	ract for each piece of continu	uous monitoring equipment	on site?	SELECT							
		during the reporting year? If	yes please complete table W	/5 below	SELECT							
of average emissions -conti	inuous monitoring											
			ELV or trigger values in					% change +/- from previous reporting year		Number of ELV		
Emission reference			licence or any revision	l			Annual Emission for current reporting year		Monitoring Equipment	exceedences in		
		Parameter/ Substance				Units of measurement	Annual Emission for current reporting year (kg)		Monitoring Equipment downtime (hours)	exceedences in reporting year	Comments	
	mission released to SELECT SELECT	Parameter/ Substance SELECT SELECT	licence or any revision	Averaging Period SELECT SELECT	Compliance Criteria SELECT SELECT	Units of measurement SELECT SELECT					Comments	

n or proposed to reduce or limit bypass frequency

sama, ripemie te	esting template				Lic No:	W0002-01		Year	2014					
Bund testing		drondown menu	click to see options				Additional information							
	our licence to undertake	integrity testing on bunds and co		lease fill out table B1 below	listing all new bunds and		Additional information							
		all bunds which failed the integri												
he table below			,			SELECT	n/a							
	ity testing frequency per					SELECT								
		nderground pipelines (including sto	rmwater and foul), Tanks, sur	nps and containers? (contain	ers refers to "Chemstore"									
ype units and mobile						SELECT								
low many bunds are		vitin the required test schedule?												
low many or these b		with the required test scheduler												
	s included in the bund te	st schedule?				SELECT								
		tested witin the required test sche	dule?											
low many sumps on	site are included in the i	integrity test schedule?												
low many of these s	umps are integrity tester	d within the test schedule?												
	integrity failures in table							_						
	mbers have high level lic					SELECT								
f yes to Q11 are thes	se failsafe systems includ	led in a maintenance and testing p	rogramme?											
т.	able P1: Cummanı datailı	s of bund /containment structure i	ntogrity tost	7										
18	able b1: Summary details	s or bund / containment structure i	ntegrity test											
														Res
									Integrity reports					rete
Bund/Containment	_	s is out i							maintained on		Integrity test failure		Scheduled date	
tructure ID	Type SELECT	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test SELECT	Other test type	Test date	site? SELECT	Results of test SELECT	explanation <50 words	Corrective action taken SELECT	for retest	repoi
	SELECT					SELECT			SELECT	SELECT		SELECT		+-
Capacity required should co		nent rule as detailed in your licence				SEEECT	Commentary		SEEEC!	SEEECT		SEECT		
		dance with licence requirements	ind are all structures tested in											
ine with BS8007/EPA				bunding and storage guideli	nes	SELECT								
		tainment systems tested?				SELECT								
Are channels/transfe	er systems compliant in b	ooth integrity and available volume	?			SELECT								
Pineline/underg					t table 2 below listing all									
Pipeline/underg			structures e g ninelines or su	mns etc ? if ves nlease fill ou										
Are you required by y	our licence to undertake	integrity testing on underground	structures e.g. pipelines or su	mps etc ? if yes please fill ou	t table 2 below listing all									
Are you required by y underground structur	our licence to undertake	integrity testing on underground which failed the integrity test	structures e.g. pipelines or su	mps etc ? if yes please fill ou	table 2 below listing all	SELECT SELECT								
Are you required by y underground structur	your licence to undertake res and pipelines on site	integrity testing on underground which failed the integrity test	structures e.g. pipelines or su	mps etc ? if yes please fill ou	t table 2 below listing all	SELECT								
Are you required by y Inderground structui Please provide integr	your licence to undertake res and pipelines on site rity testing frequency per	e integrity testing on underground which failed the integrity test riod		mps etc ? if yes please fill ou	table 2 below listing all	SELECT								
Are you required by y Inderground structui Please provide integr	your licence to undertake res and pipelines on site rity testing frequency per	integrity testing on underground which failed the integrity test		mps etc ? if yes please fill ou	table 2 below listing all	SELECT						_		
Are you required by y Inderground structui Please provide integr	your licence to undertake res and pipelines on site rity testing frequency per	e integrity testing on underground which failed the integrity test riod		mps etc ? if yes please fill ou	table 2 Delow listing all	SELECT						1		
Are you required by y Inderground structui Please provide integr	your licence to undertake res and pipelines on site rity testing frequency per	e integrity testing on underground which failed the integrity test riod		mps etc ? if yes please fill ou	t davie 2 delow listing all	SELECT]		
Are you required by y Inderground structui Please provide integr	your licence to undertake res and pipelines on site rity testing frequency per	e integrity testing on underground which failed the integrity test riod		Type of secondary	t davie 2 Delow listing all	SELECT]		
Are you required by y Inderground structui Please provide integr	your licence to undertake res and pipelines on site rity testing frequency per	e integrity testing on underground which failed the integrity test riod			t davie 2 Delow listing all	SELECT		Integrity test						
Are you required by y Inderground structui Please provide integr	your licence to undertake res and pipelines on site rity testing frequency per	e integrity testing on underground which failed the integrity test riod		Type of secondary	t davie 2 Delow listing all	SELECT		Integrity test	Corrective action	Scheduled date	Results of retest[if in current			
Are you required by y Inderground structui Please provide integr	your licence to undertakers and pipelines on site tity testing frequency per lebels. Summary details of type system	e integrity testing on underground which failed the integrity test ioid of pipeline/underground structure Material of construction:	Does this structure have Secondary containment?	Type of secondary	Type integrity testing	SELECT SELECT Integrity reports maintained on site?	Results of test		Corrective action taken	Scheduled date for retest	reporting year)			
Are you required by y underground structur Please provide integr Tab	your licence to undertak res and pipelines on site ity testing frequency per ple B2: Summary details o	e integrity testing on underground which failed the integrity test iod of pipelline/underground structure	integrity test Does this structure have	Type of secondary		SELECT SELECT	Results of test SELECT	failure explanation						
Are you required by y underground structur Please provide integr Tab	your licence to undertakers and pipelines on site tity testing frequency per lebels. Summary details of type system	e integrity testing on underground which failed the integrity test ioid of pipeline/underground structure Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	SELECT SELECT Integrity reports maintained on site?		failure explanation			reporting year)			
Are you required by y underground structur Please provide integr Tab	your licence to undertakers and pipelines on site tity testing frequency per lebels. Summary details of type system	e integrity testing on underground which failed the integrity test ioid of pipeline/underground structure Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	SELECT SELECT Integrity reports maintained on site?		failure explanation			reporting year)			

Please use commentary for additional details not answered by tables/ questions above

Groundwater/Soil monitoring template Lic No: W0002-01 Year 2014

- ¹ Are you required to carry out groundwater monitoring as part of your licence requirements?
- 2 Are you required to carry out soil monitoring as part of your licence requirements?
- $^{\rm 3}$ Do you extract groundwater for use on site? If yes please specify use in comment section
- $^{4}\,$ Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12 $\,$
- 5 Is the contamination related to operations at the facility (either current and/or historic)
- 6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site
- 7 Please specify the proposed time frame for the remediation strategy
- 8 Is there a licence condition to carry out/update ELRA for the site?
- 9 Has any type of risk assesment been carried out for the site?
- 10 Has a Conceptual Site Model been developed for the site?
- 11 Have potential receptors been identified on and off site?
- 12 Is there evidence that contamination is migrating offsite?

	Comments
no	
no	
no	
no	
SELECT	

Table 1: Upgradient Groundwater monitoring results

											Upward trend in
										% change in	pollutant
	Sample									average	concentration over last
Date of	location				Maximum	Average				concentration	5 years of monitoring
sampling	reference	Parameter/ Substance	Methodology	Monitoring frequency	Concentration++	Concentration+	unit	GTV's*	SW EQS	previous year +/-	data
Quarterly	981s	рН	Meter	Quarterly	7.1	6.9	SELECT		9.5	0	no
Quarterly		Temp	Meter	Quarterly	11.9	10.5			25	0	no
Quarterly		Elec.Conductivity	Meter	Quarterly	6.43	554			1000	0	no
		Chlorides	titration	Quarterly	29.3		mg/l		250	1820%	no
Quarterly		Ammoniacal Nitorgen	ISE	Quarterly	0.9	0.3	mg/l		80mg/I* (Trigger limit)		no
annual		Iron		Quarterly	73		ug/l		0.2	8.3%7	no
annual		TON		Quarterly	0.83		ug/l		No abnormal change	0	no
Quarterly		TOC	HACH	Quarterly	6.1		mg/l		30mg/I (Tigger limit)	18%	no
Annual		Cadmium		Annual	<20	<20	ug/l		0.005	0	no
Annual		Chromium (total)		Annual	<20	<20	ug/l		0.03	0	no
Annual		Copper		Annual	<20		ug/l		0.03	0	no
Annual		Cyanide (Total)		Annual	35		ug/l		0.01	0	no
Annual		Lead		Annual	<20		ug/l		0.01	0	no
Annual		Mangnesium		Annual	8.41	8.41			50	0	no
Annual		Manganese		Annual	163	163	ug/l		0.05	0	no
Annual		Mercury		Annual	<1		ug/l		0.001	0	no
Annual		Nickle		Annual	<20		ug/l		0.02	0	no
Annual		Potassium		Annual	0.53	0.53			5	0	no
Annual		Sulphate		Annual	<2.5	<2.5	mg/l		200	0	no
Annual	<u>'</u>	Total Alkalinity		Annual	77.38	77.38				0	no
Annual		Total Phosphorus		Annual	0.09	0.09				0	no
Annual		Phenols		Annual	<10		ug/l		0.5	0	no
Annual		Acenaphthylene		Annual	<10	<10	ug/l			0	no

Groundwate	er/Soil monitoring template		Lic No:	W0002-01	Year	2014		
Annual	Anthracene	Annual	<10	<10 ug/l			0 no	
Annual	Benzene	Annual	<10	<10 ug/l		1	0 no	
Annual	Bromodichloromethane	Annual	<10	<10 ug/l			0 no	
Annual	Bromoform	Annual	<10	<10 ug/l			0 no	
Annual	Chloroform	Annual	<10	<10 ug/l		12	0 no	
Annual	Chrysene	Annual	<10	<10 ug/l			0 no	
Annual	Dibromochloromethane	Annual	<10	<10 ug/l			0 no	
Annual	Fluoranthene	Annual	<10	<10 ug/l			0 no	
Annual	Fluorene	Annual	<10	<10 ug/l			0 no	
Annual	Naphthalene	Annual	<10	<10 ug/l			0 no	
Annual	Dibromochloromethane	Annual	<10	<10 ug/l			0 no	
Annual	Pentachlorophenol	Annual	<10	<10 ug/l		2	0 no	
Annual	Phenanthrene	Annual	<10	<10 ug/l			0 no	
Annual	Pyrene	Annual	<10	<10 ug/l			0 no	
Annual	Tetrachloroethene	Annual	<10	<10 ug/l			0 no	
Annual	Trichloroethene	Annual	<10	<10 ug/l			0 no	
Annual	Hexachlorobenzene	Annual	<10	<10 ug/l		0.03	0 no	
Annual	Hexachlorobutadiene	Annual	<10	<10 ug/l		0.1	0 no	
Annual	2,4,6-Trichlorophenol	Annual	<10	<10 ug/l			0 no	
Annual	2,4-Dichlorophenol	Annual	<10	<10 ug/l			0 no	
Annual	2,4-Dimethylphenol	Annual	<10	<10 ug/l			0 no	
Annual	2-Chlorophenol	Annual	<10	<10 ug/l			0 no	
Annual	1,2,4-trichlorobenzene	Annual	<10	<10 ug/l			0 no	
Annual	1,2-dichlorobenzene	Annual	<10	<10 ug/l			0 no	
Annual	1,3-dichlorobenzene	Annual	<10	<10 ug/l			0 no	
Annual	1,4-dichlorobenzene	Annual	<10	<10 ug/l			0 no	
Annual	2,4,5-Trichlorophenol	Annual	<10	<10 ug/l			0 no	
Annual	2,4-Dinitrotoluene	Annual	<10	<10 ug/l			0 no	
Annual	2,6-Dinitrotoluene	Annual	<10	<10 ug/l			0 no	
Annual	2-Chloronaphthalene	Annual	<10	<10 ug/l			0 no	
Annual	2-Methylnaphthalene	Annual	<10	<10 ug/l			0 no	
Annual	2-Methylphenol	Annual	<10	<10 ug/l			0 no	
Annual	2-Nitrophenol	Annual	<10	<10 ug/l			0 no	
74111001	2 Miliophinio	Ailluai	<10	<10				
Annual	4-Bromophenyl Phenyl Ether	Annual		ug/l			0 no	
Annual	4-Chloro-3-methylphenol	Annual	<10	<10 ug/I			0 no	
Annual	4-Chlorophenyl phenyl ether	A	<10	<10			0.00	
Annual	4-Chlorophenyi phenyi ether 4-Nitrophenol	Annual Annual	<10	ug/l <10 ug/l		 	0 no	
Annual	4-Nitropnenoi Acenaphthene		<10	<10 ug/l		1	0 no	
Annual	Acenaphtnene Benzo(a)anthracene	Annual Annual	<10	<10 ug/l		-	0 no	
Annual			<10	<10 ug/l		1	0 no	
Annual	Benzo(a)pyrene Benzo(b)fluoranthene	Annual	<10				0 no	
Annual		Annual	<10	- 3				
Annual	Benzo(g,h,i)perylene	Annual	<10	- 0			0 no	
Annuai	Benzyl Butyl Phthalate	Annual	<10	<10 ug/l <10			Uno	
Annual	Bis(2-chloroethoxy)methane	Annual	<10	ug/I			0 no	
Annual	Bis(2-chloroethyl)ether	Annual	<10	<10 ug/l			0 no	
Annual	Bis(2-chloroisopropyl)ether	Annual	<10	<10 ug/l			0 no	
Annual	Bis(2-ethylhexyl)phthalate	Annual	<10	<10 ug/l		1	0 no	
Annual	Dibenz(a,h)anthracene	Annual	<10	<10 ug/l		1	0 no	
Annual	Dibenzofuran	Annual	<10	<10 ug/l		<u> </u>	0 no	

roundwater/	Soil monitoring template		Lic No:	W0002-01	Year	2014	
Annual	Diethylphthalate	Annual	<10	<10 ug/l			0 no
Annual	di-n-Butylphthalate	Annual	<10	<10 ug/l			0 no
Annual	Di-n-octylphthalate	Annual	<10	<10 ug/l			0 no
Annual	Diphenylamine	Annual	<10	<10 ug/l			0 no
Annual	Hexachloroethane	Annual	<10	<10 ug/l			0 no
Annual	Indeno(1,2,3-c,d)pyrene	Annual	<10				0 no
Annual	Isophorone	Annual	<10	<10 ug/l			0 no
Annual	Nitrobenzene	Annual	<10	<10 ug/l			0 no
Annual	n-Nitrosodi-n-propylamine	Annual	<10	<10 ug/l			0 no
Annual	Acetone		<10	<10 ug/l			0 no
Annual	Dichloromethane	Annual Annual	<10				0 no
+			<10	<10 ug/l			
Annual	Tetrahydrofuran	Annual	<10				0 no
Annual	Toluene	Annual		<10 ug/l		10	0 no
Annual	Xylene -o	Annual	<10	<10 ug/l		10	0 no
Annual	Dichlorodifluoromethane	Annual	<10	<10 ug/l			0 no
Annual	Chloromethane	Annual	<10	<10 ug/l			0 no
Annual	Ethyl Chloride/Chloroethane	Annual	<10	<10 ug/l			0 no
Annual	Vinyl Chloride	Annual	<10	<10 ug/l			0 no
Annual	Bromomethane	Annual	<10				0 no
Allitual	втотпотпентапе	Annual	<10				0 110
Annual	Trichloromonofluoromethane	Annual	110	ug/I			0 no
Annual	Ethyl Ether/Diethyl Ether	Annual	<10	<10 ug/l			0 no
Annual	11 Dichloroethene	Annual	<10	<10 ug/l			0 no
			<10	<10			
Annual	Iodomethane/Methyl Iodide	Annual		ug/l			0 no
Annual	Carbon Disulphide	Annual	<10	<10 ug/l			0 no
Annual	Allyl Chloride	Annual	<10	<10 ug/l			0 no
	Chlormethyl		<10	<10			
Annual	Cyanide/Chloroacetonitrile	Annual	<10	ug/l			0 no
Annual	Propanenitrile	Annual	<10	<10 ug/l			0 no
Annual	Trans-1,2 Dichloroethene	Annual		-8/			0 no
Annual	MtBE	Annual	<10	<10 ug/l			0 no
Annual	1,1-dichloroethane	Annual	<10	-		30	0 no
Annual	2,2-dichloropropane	Annual	<10	<10 ug/l			0 no
Annual	cis-12 Dichloroethene	Annual	<10	<10 ug/l			0 no
Annual	2-Butanone	Annual	<10	-8/			0 no
Annual	Methyl Acrylate	Annual	<10	-0/			0 no
Annual	Bromochloromethane	Annual	<10	<10 ug/l			0 no
Annual	Methacrylonitrile	Annual	<10	<10 ug/l			0 no
Annual	1,1,1-trichloroethane	Annual	<10	<10 ug/l		500	0 no
Annual	1-Chlorobutane	Annual	<10	<10 ug/l			0 no
Annual	Carbon Tetrachloride	Annual	<10	<10 ug/l			0 no
Annual	11 Dichloropropene	Annual	<10	<10 ug/l			0 no
Annual	1,2 dicloroethane	Annual	<10	<10 ug/l			0 no
Annual	1,2-dichloropropane	Annual	<10	<10 ug/l			0 no
Annual	Dibromomethane	Annual	<10	<10 ug/l			0 no
Annual	Methyl Methacrylate	Annual	<10	<10 ug/l			0 no
Annual	13 Dichloropropene,cis	Annual	<10	<10 ug/l			0 no
Aimaai	15 Dictiloroproperie,cis	Annual	<10	<10 ug/1			
Annual	MIBK/4 Methyl 2 Pentanone	Annual	110	ug/l			0 no
Annual	13 Dichloropropene,trans	Annual	<10	<10 ug/l			0 no
Annual	Ethyl Methacrylate	Annual	<10				0 no

Groundy	vater/Soil mo	onitoring template			Lic No:	W0002-01		Year	2014		
Annual		112 Trichloroethane		Annual	<10		ug/l	1001	2011		no
Annual		1,3-dichloropropane		Annual	<10		ug/l			C	no
Annual		2-Hexanone		Annual	<10		ug/l			0	no
Annual		1,2-dibromoethane		Annual	<10		ug/l				no
Annual		Chlorobenzene		Annual	<10		ug/l		1	C	no
Annual		1,1,1,2-tetrachloroethane		Annual	<10	<10	ug/l			C	no
Annual		Ethylbenzene		Annual	<10		ug/l		10	C	no
Annual		Xylene P&M		Annual	<10	<10	ug/l			C	no
Annual		Styrene		Annual	<10	<10	ug/l			C	no
Annual		Isopropylbenzene		Annual	<10	<10	ug/l			C	no
Annual		Bromobenzene		Annual	<10	<10	ug/l			C	no
Annual		1,1,2,2-tetrachloroethane		Annual	<10	<10	ug/l			C	no
Annual		1,2,3-trichloropropane		Annual	<10	<10	ug/l			C	no
Annual		Trans 14 Dichloro 2 Butene, tran		Annual	<10	<10	ug/l			O	no
Annual		Propylbenzene		Annual	<10	<10	ug/l			C	no
Annual		2-chlorotoluene		Annual	<10	<10	ug/l			C	no
Annual		4-chlorotoluene		Annual	<10	<10	ug/l			C	no
Annual		1,3,5-trimethylbenzene		Annual	<10		ug/l			C	no
Annual		Tert Butyl Benzene		Annual	<10	<10	ug/l			C	no
Annual		1,2,4-trimethylbenzene		Annual	<10	<10	ug/l			C	no
Annual		sec-butylbenzene		Annual	<10	<10	ug/l			C	no
Annual		P Isopropyltoluene		Annual	<10	<10	ug/l			C	no
Annual		N Butyl Benzene		Annual	<10		ug/l			0	no
Annual		1,2-dibromo-3-chloropropane		Annual	<10	<10	ug/l			O	no
Annual		1,2,3-trichlorobenzene		Annual	<10	<10	ug/l			C	no
Quarterly	981d	рН	Meter	Quarterly	6.7	6.6			9.5		data not available
Quarterly		Temp	Meter	Quarterly	11.4				25		data not available
Quarterly		Elec.Conductivity	Meter	Quarterly	549				1000		data not available
		Chlorides	titration	Quarterly	18		mg/l		250		data not available
Quarterly		Ammoniacal Nitorgen	ISE	Quarterly	0.14	0.05	mg/l		0.02		data not available
Annual		Dry		Annual	Sample dry No annual sample		ug/l		0.2		data not available

^{.++} maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Table 2: Downgradient Groundwater monitoring results

10.0.0		int Groundwater int		#1C5							
Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration		GTV's*		average concentration	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
Quarterly	G18	рН	Meter	Quarterly	6.4	5.8			9.5		no
Quarterly		Temp	Meter	Quarterly	11.9	11.6			25		no
Quarterly		Elec.Conductivity	Meter	Quarterly	256	98.75			1000		no
		Chlorides	titration	Quarterly	22	16.01	mg/l		250	205%+	no
Quarterly		Ammoniacal Nitorgen	ISE	Quarterly	2.04	0.462	mg/l		Trigger Limit of 20mg/I	38%-	no
Annual		Iron		Quarterly	5276		ug/l		0.2	31.5%-	no
Annual	·	TON	·	Quarterly	<0.5		mg/l		No abnormal change		no
Quarterly		TOC	HACH	Quarterly	4.5	2.175	mg/l		Tigger limit 10-12mg/l	660%+	no
Annual	·	Cadmium	·	Annual	<20		ug/l		0.005	0	no
Annual	·	Chromium (total)	·	Annual	<20		ug/l		0.03	0	no

Groundw	rater/Soil monitoring template		Lic No:	W0002-01		Year	2014		
Annual	Copper	Annual	<20	u	ıg/l		0.03	0	no
Annual	Cyanide (Total)	Annual	63	u	ıg/l		0.01	0	no
Annual	Lead	Annual		u	ıg/l		0.01	0	no
Annual	Mangnesium	Annual	8,32	n	mg/l		50	0	no
Annual	Manganese	Annual	1133	u	ıg/l		0.05	0	no
Annual	Mercury	Annual	<1	u	ıg/l		0.001	0	no
Annual	Nickle	Annual	<20	u	ıg/l		0.02	0	no
Annual	Potassium	Annual	1.18	n	ng/l		5	0	no
Annual	Sulphate	Annual	3.22	n	mg/l		200	0	no
Annual	Total Alkalinity	Annual	81.78	n	mg/l			0	no
Annual	Total Phosphorus	Annual	0.01		mg/l			0	no
Annual	Phenols	Annual	<10		ıg/l		0.5	0	no
Annual	Acenaphthylene	Annual	<10		ıg/l				no
Annual	Anthracene	Annual	<10		ıg/l				no
Annual	Benzene	Annual	<10		ıg/l		1		no
Annual	Bromodichloromethane	Annual	<10		ıg/l		-		no
Annual	Bromoform	Annual	<10		ıg/l				no
Annual	Chloroform	Annual	<10		ıg/l		12		no
Annual	Chrysene	Annual	<10		ıg/l				no
Annual	Dibromochloromethane	Annual	<10		ıg/l				no
Annual	Fluoranthene	Annual	<10		ıg/l				no
Annual	Fluorene	Annual	<10		ıg/l				no
Annual	Naphthalene	Annual	<10		ıg/l				no
Annual	Dibromochloromethane	Annual	<10		ıg/l				no
Annual	Pentachlorophenol	Annual	<10		ıg/l		2		no
Annual	Phenanthrene	Annual	<10		ıg/l				no
Annual	Pyrene	Annual	<10		ıg/l				no
Annual	Tetrachloroethene	Annual	<10		ıg/l				no
Annual	Trichloroethene	Annual	<10		ıg/l				no
Annual	Hexachlorobenzene	Annual	<10		.g/l		0.03		no
Annual	Hexachlorobutadiene	Annual	<10		ıg/l		0.1		no
Annual	2,4,6-Trichlorophenol	Annual	<10		ıg/l		0.1		no
Annual	2,4-Dichlorophenol	Annual	<10		ıg/l				no
Annual	2,4-Dimethylphenol	Annual	<10		ıg/l				no
Annual	2-Chlorophenol	Annual	<10		ıg/l				no
Annual	1,2,4-trichlorobenzene	Annual	<10		ıg/l				no
Annual	1,2-dichlorobenzene	Annual	<10		.g/l				no
Annual	1,3-dichlorobenzene	Annual	<10		ıg/l				no
Annual	1,4-dichlorobenzene	Annual	<10		ıg/l				no
Annual	2,4,5-Trichlorophenol	Annual	<10		лg/I				no
Annual	2,4-Dinitrotoluene	Annual	<10		ıg/l				no
Annual	2,6-Dinitrotoluene	Annual	<10		1g/l				no
Annual	2-Chloronaphthalene	Annual	<10		1g/l				no
Annual	2-Methylnaphthalene	Annual	<10		1g/l				no
Annual	2-Methylphenol	Annual	<10		1g/l				no
Annual	2-Nitrophenol	Annual			1g/l				no
Alliudi	z-maophenor	Annuai	<10		-6/			0	110
Annual	4-Bromophenyl Phenyl Ether	Annual		u	ıg/I			0	no
Annual	4-Chloro-3-methylphenol	Annual	<10	u	ıg/l			0	no
	A Chianatani alan il di		<10						
Annual	4-Chlorophenyl phenyl ether	Annual	<10		ıg/l				no
Annual	4-Nitrophenol	Annual	<10	U	ıg/l			0	no

Groundwa	ater/Soil monitoring template		Lic No:	W0002-01	Year	2014	
Annual	Acenaphthene	Annual	<10	ug/l			⁰ no
Annual	Benzo(a)anthracene	Annual	<10	ug/l			o no
Annual	Benzo(a)pyrene	Annual	<10	ug/l			o no
Annual	Benzo(b)fluoranthene	Annual	<10	ug/l			o no
Annual	Benzo(g,h,i)perylene	Annual	<10	ug/l			o no
Annual	Benzyl Butyl Phthalate	Annual	<10	ug/I			o no
			<10				
Annual	Bis(2-chloroethoxy)methane	Annual		ug/l			o no
Annual	Bis(2-chloroethyl)ether	Annual	<10	ug/l			o no
Annual	Bis(2-chloroisopropyl)ether	Annual	<10	ug/l			⁰ no
Annual	Bis(2-ethylhexyl)phthalate	Annual	<10	ug/I			o no
Annual	Dibenz(a,h)anthracene	Annual	<10	ug/I			o no
Annual	Dibenzofuran	Annual	<10	ug/I			o <mark>no</mark>
Annual	Diethylphthalate	Annual	<10	ug/l			0 no
Annual	di-n-Butylphthalate	Annual	<10	ug/l			0 no
Annual	Di-n-octylphthalate	Annual	<10	ug/l			o no
Annual	Diphenylamine	Annual	<10	ug/l			o no
Annual	Hexachloroethane	Annual	<10	ug/l			o no
Annual	Indeno(1,2,3-c,d)pyrene	Annual	<10	ug/l			o no
Annual	Isophorone	Annual	<10	ug/I			o no
Annual	Nitrobenzene	Annual	<10	ug/l			o no
Annual	n-Nitrosodi-n-propylamine	Annual	<10	ug/l			o no
Annual	Acetone	Annual	<10	ug/l			o no
Annual	Dichloromethane	Annual	<10	ug/l			⁰ no
Annual	Tetrahydrofuran	Annual	<10	ug/l			o no
Annual	Toluene	Annual	<10	ug/l		10	o no
Annual	Xylene -o	Annual	<10	ug/l		10	o no
Annual	Dichlorodifluoromethane	Annual	<10	ug/l			o no
Annual	Chloromethane	Annual	<10	ug/l			o no
			<10				
Annual	Ethyl Chloride/Chloroethane	Annual		ug/l			0 no
Annual	Vinyl Chloride	Annual	<10	ug/l			o no
Annual	Bromomethane	Annual	<10	ug/l			o no
Annual	Trichloromonofluoromethane	Annual	<10	ug/l			o no
Annual	Ethyl Ether/Diethyl Ether	Annual	<10	ug/l			0 no
Annual	11 Dichloroethene	Annual	<10	ug/l			0 no
71111001	11 Didinoroculiene	Ailluai	<10	Gg/1			V 110
Annual	Iodomethane/Methyl Iodide	Annual		ug/l			o no
Annual	Carbon Disulphide	Annual	<10	ug/l			⁰ no
Annual	Allyl Chloride	Annual	<10	ug/I			o no
	Chlormethyl		<10				
Annual	Cyanide/Chloroacetonitrile	Annual	<10	ug/I			0 no
Annual	Propanenitrile	Annual		ug/I		-	0 no
Annual	Trans-1,2 Dichloroethene	Annual	<10	ug/I			0 no
Annual	MtBE	Annual	<10	ug/I		-	0 no
Annual	1,1-dichloroethane	Annual	<10	ug/I		30	o no
Annual	2,2-dichloropropane	Annual	<10	ug/l			o no
Annual	cis-12 Dichloroethene	Annual	<10	ug/l			⁰ no
Annual	2-Butanone	Annual	<10	ug/l			o no
Annual	Methyl Acrylate	Annual	<10	ug/l			o no
Annual	Bromochloromethane	Annual	<10	ug/l			⁰ no
Annual	Methacrylonitrile	Annual	<10	ug/l		1	0 no

Groundw	ater/Soil mo	onitoring template			Lic No:	W0002-01		Year	2014	
Annual		1,1,1-trichloroethane		Annual	<10	ı	ug/l		500	⁰ no
Annual		1-Chlorobutane		Annual	<10		ug/l			o no
Annual		Carbon Tetrachloride		Annual	<10		ug/l			o no
Annual		11 Dichloropropene		Annual	<10		ug/l			0 no
Annual		1,2 dicloroethane		Annual	<10		ug/I			0 no
Annual		1,2-dichloropropane		Annual	<10		ug/I			0 no
Annual		Dibromomethane		Annual	<10		ug/l			0 no
Annual		Methyl Methacrylate		Annual	<10		ug/I			0 no
Annual		13 Dichloropropene,cis		Annual	<10		ug/I			0 no
				Annuai	<10					
Annual		MIBK/4 Methyl 2 Pentanone		Annual			ug/l			o no
Annual		13 Dichloropropene,trans		Annual	<10		ug/I			o no
Annual		Ethyl Methacrylate		Annual	<10		ug/l			o no
Annual		112 Trichloroethane		Annual	<10		ug/I			o no
Annual		1,3-dichloropropane		Annual	<10	ı	ug/I			o no
Annual		2-Hexanone		Annual	<10	ı	ug/I			o no
Annual		1,2-dibromoethane		Annual	<10	ı	ug/l			o no
Annual		Chlorobenzene		Annual	<10	ı	ug/l		1	o no
Annual		1,1,1,2-tetrachloroethane		Annual	<10	ı	ug/l			o no
Annual		Ethylbenzene		Annual	<10	ı	ug/l		10	o no
Annual		Xylene P&M		Annual	<10		ug/l			o no
Annual		Styrene		Annual	<10		ug/l			o no
Annual		Isopropylbenzene		Annual	<10		ug/l			0 no
Annual		Bromobenzene		Annual	<10		ug/l			o no
Annual		1,1,2,2-tetrachloroethane		Annual	<10		ug/l			0 no
Annual		1,2,3-trichloropropane		Annual	<10		ug/l			0 no
Aillidai		1,2,3 tricinoropropane		Ailliuai	<10		ug/1			0 110
Annual		Trans 14 Dichloro 2 Butene, tran		Annual			ug/I			o no
Annual		Propylbenzene		Annual	<10	ı	ug/l			o no
Annual		2-chlorotoluene		Annual	<10	ı	ug/l			o no
Annual		4-chlorotoluene		Annual	<10	ı	ug/l			o no
Annual		1,3,5-trimethylbenzene		Annual	<10	ı	ug/l			o no
Annual		Tert Butyl Benzene		Annual	<10	ı	ug/l			0 no
Annual		1,2,4-trimethylbenzene		Annual	<10		ug/l			o no
Annual		sec-butylbenzene		Annual	<10		ug/l			o no
Annual		P Isopropyltoluene		Annual	<10		ug/l			⁰ no
Annual		N Butyl Benzene		Annual	<10		ug/l			0 no
	+			Ailluai	<10		_			
Annual		1,2-dibromo-3-chloropropane		Annual		L	ug/l			0 no
Annual		1,2,3-trichlorobenzene		Annual	<10	ı	ug/l			⁰ no
					7					pollutant
Quarterly	96 3D	рН	Meter	Quarterly		6.8			9.5	no concentration over last
					13.6					
Quarterly		Temp	Meter	Quarterly		11.6			25	no no
Quarterly		Elec.Conductivity	Meter	Quarterly	363	296			1000	no no
	1	Chlorides	titration	Quarterly	13.7	12.6	mg/l		250	no no
Quarterly	1	Ammoniacal Nitorgen	ISE	Quarterly	7.1	3.43	mg/l		230	no no
annual		Iron	151	Quarterly	596	596	ug/l		0.2	no no
annual		TON		Quarterly	0.5		mg/l		No abnormal change	no no
		1014		quarterly		1	1118/1	ı	ino abilorillai cildlige	

Groundwat	ter/Soil monitoring template		Lic No:	W0002-01		Year 201	4	
Annual	Cadmium	Annual	<20	<20	ug/l	0.00	5 no	no
			<20	<20				
Annual	Chromium (total)	Annual			ug/l	0.0	3 no	no
	· 1		<20	<20				
Annual	Copper	Annual			ug/l	0.0	3 no	no
Annual	Cyanide (Total)	Annual	99	99	ug/l	0.0	1 no	no
Annual	Lead	Annual	<20	<20	ug/l	0.0	1 no	no
Annual	Mangnesium	Annual	10.4	10.4	mg/l		0 no	no
Annual	Manganese	Annual	57	57	ug/l	0.0	5 no	no
Annual	Mercury	Annual	<1	<1	ug/l	0.00	1 no	no
Annual	Nickle	Annual	<20	<20	ug/l	0.0	2 no	no
Annual	Potassium	Annual	3.48	3.48	mg/l		5 no	no
Annual	Sulphate	Annual	2.5	2.5	mg/l	20	0 no	no
Annual	Total Alkalinity	Annual	170.54	170.54	mg/l		no	no
Annual	Total Phosphorus	Annual	1.23	1.23	mg/l		no	no
Annual	Phenols	Annual	<10	<10	ug/l	0	5 no	no
Annual	Acenaphthylene	Annual	<10	<10	ug/l		no	no
Annual	Anthracene	Annual	<10	<10	ug/l		no	no
Annual	Benzene	Annual	<10	<10	ug/l		1 no	no
Annual	Bromodichloromethane	Annual	<10	<10	ug/l		no	no
Annual	Bromoform	Annual	<10	<10	ug/l		no	no
Annual	Chloroform	Annual	<10	<10	ug/l	1	2 no	no
Annual	Chrysene	Annual	<10	<10	ug/l		no	no
Annual	Dibromochloromethane	Annual	<10	<10	ug/l		no	no
Annual	Fluoranthene	Annual	<10	<10	ug/l		no	no
Annual	Fluorene	Annual	<10	<10	ug/l		no	no
Annual	Naphthalene	Annual	<10	<10	ug/l		no	no
Annual	Dibromochloromethane	Annual	<10	<10	ug/l		no	no
Annual	Pentachlorophenol	Annual	<10	<10	ug/l		2 no	no
Annual	Phenanthrene	Annual	<10	<10	ug/l		no	no
Annual	Pyrene	Annual	<10	<10	ug/l		no	no
Annual	Tetrachloroethene	Annual	<10	<10	ug/l		no	no
Annual	Trichloroethene	Annual	<10	<10	ug/l		no	no
Annual	Hexachlorobenzene	Annual	<10	<10	ug/l	0.0	3 no	no
Annual	Hexachlorobutadiene	Annual	<10	<10	ug/l	0	1 no	no
Annual	2,4,6-Trichlorophenol	Annual	<10	<10	ug/l		no	no
Annual	2,4-Dichlorophenol	Annual	<10	<10	ug/l		no	no
Annual	2,4-Dimethylphenol	Annual	<10	<10	ug/l		no	no
Annual	2-Chlorophenol	Annual	<10	<10	ug/l		no	no
Annual	1,2,4-trichlorobenzene	Annual	<10	<10	ug/l		no	no
Annual	1,2-dichlorobenzene	Annual	<10	<10	ug/l		no	no
Annual	1,3-dichlorobenzene	Annual	<10	<10	ug/l		no	no
Annual	1,4-dichlorobenzene	Annual	<10	<10	ug/l		no	no
Annual	2,4,5-Trichlorophenol	Annual	<10	<10	ug/l		no	no
Annual	2,4-Dinitrotoluene	Annual	<10	<10	ug/l		no	no
Annual	2,6-Dinitrotoluene	Annual	<10	<10	ug/l		no	no
Annual	2-Chloronaphthalene	Annual	<10	<10	ug/l		no	no
Annual	2-Methylnaphthalene	Annual	<10	<10	ug/l		no	no
Annual	2-Methylphenol	Annual	<10	<10	ug/l		no	no
Annual	2-Nitrophenol	Annual	<10	<10	ug/l		no	no

roundwater/S	Soil monitoring template		Lic No:	W0002-01		Year	2014	
Annual	4-Bromophenyl Phenyl Ether	Annual	<10	<10	ug/l			no no
Annual	4-Chloro-3-methylphenol	Annual	<10	<10	ug/l			no no
Ailliuai	4 chioro 3 methylphenol	Ailiuai	<10	<10	ug/1			110 110
Annual	4-Chlorophenyl phenyl ether	Annual			ug/l			no no
Annual	4-Nitrophenol	Annual	<10	<10	ug/l			no no
Annual	Acenaphthene	Annual	<10	<10	ug/l			no no
Annual	Benzo(a)anthracene	Annual	<10	<10	ug/l			no no
Annual	Benzo(a)pyrene	Annual	<10	<10	ug/l			no no
Annual	Benzo(b)fluoranthene	Annual	<10	<10	ug/l			no no
Annual	Benzo(g,h,i)perylene	Annual	<10	<10	ug/l			no no
Annual	Benzyl Butyl Phthalate	Annual	<10	<10	ug/l			no no
Annual	Bis(2-chloroethoxy)methane	Annual	<10	<10	ug/l			no no
Annual	Bis(2-chloroethyl)ether	Annual	<10	<10	ug/l			no no
Annual	Bis(2-chloroisopropyl)ether	Annual	<10	<10	ug/l	İ		no no
Annual	Bis(2-ethylhexyl)phthalate	Annual	<10	<10	ug/l			no no
Annual	Dibenz(a,h)anthracene	Annual	<10	<10	ug/l			no no
Annual	Dibenzofuran	Annual	<10	<10	ug/l			no no
Annual	Diethylphthalate	Annual	<10	<10	ug/l			no no
Annual	di-n-Butylphthalate	Annual	<10	<10	ug/l			no no
Annual	Di-n-octylphthalate	Annual	<10	<10	ug/l			no no
Annual	Diphenylamine	Annual	<10	<10	ug/l			no no
Annual	Hexachloroethane	Annual	<10	<10	ug/l			no no
Annual	Indeno(1,2,3-c,d)pyrene	Annual	<10	<10	ug/l			no no
Annual	Isophorone	Annual	<10	<10	ug/l			no no
Annual	Nitrobenzene	Annual	<10	<10	ug/l			no no
Annual	n-Nitrosodi-n-propylamine	Annual	<10	<10	ug/l			no no
Annual	Acetone	Annual	<10	<10	ug/l			no no
Annual	Dichloromethane	Annual	<10	<10	ug/l			no no
Annual	Tetrahydrofuran	Annual	<10	<10	ug/l			no no
Annual	Toluene	Annual	<10	<10	ug/l		10	no no
Annual	Xylene -o	Annual	<10	<10	ug/l		10	no no
Annual	Dichlorodifluoromethane	Annual	<10	<10	ug/l			no no
Annual	Chloromethane	Annual	<10	<10	ug/l			no no
			<10	<10				
Annual	Ethyl Chloride/Chloroethane	Annual	40		ug/l			no no
Annual	Vinyl Chloride	Annual	<10	<10	ug/l			no no
Annual	Bromomethane	Annual	<10	<10	ug/l			no no
Annual	Trichloromonofluoromethane	Annual	<10	<10	ug/l			no no
Annual	Ethyl Ether/Diethyl Ether	Annual	<10	<10	ug/l			no no
Annual	11 Dichloroethene	Annual	<10	<10	ug/l			no no
		Ainda	<10	<10	76/			
Annual	Iodomethane/Methyl Iodide	Annual			ug/l			no no
Annual	Carbon Disulphide	Annual	<10	<10	ug/l			no no
Annual	Allyl Chloride	Annual	<10	<10	ug/l			no no
Annual	Chlormethyl Cyanide/Chloroacetonitrile	Annual	<10	<10	ug/l			no no
Annual	Propanenitrile	Annual	<10	<10	ug/l			no no
Annual	Trans-1,2 Dichloroethene	Annual	<10	<10	ug/l			no no
Annual	MtBE	Annual	<10	<10	ug/l			no no
Annual	1,1-dichloroethane		<10	<10			20	no no
Annual	1,1-dichloroethane 2,2-dichloropropane	Annual Annual	<10	<10	ug/l ug/l		30	no no

Groundw	ater/Soil mo	onitoring template			Lic No:	W0002-01		Year	2014		
Annual		cis-12 Dichloroethene		Annual	<10	<10	ug/l			no	no
Annual		2-Butanone		Annual	<10	<10	ug/l			no	no
Annual		Methyl Acrylate		Annual	<10	<10	ug/l			no	no
Annual		Bromochloromethane		Annual	<10	<10	ug/l			no	
Annual		Methacrylonitrile		Annual	<10	<10	ug/l			no	no
Annual		1,1,1-trichloroethane		Annual	<10	<10	ug/l		500	no	no
Annual		1-Chlorobutane		Annual	<10	<10	ug/l			no	
Annual		Carbon Tetrachloride		Annual	<10	<10	ug/l			no	no
Annual		11 Dichloropropene		Annual	<10	<10	ug/l			no	no
Annual		1,2 dicloroethane		Annual	<10	<10	ug/l			no	no
Annual		1,2-dichloropropane		Annual	<10	<10	ug/l			no	no
Annual		Dibromomethane		Annual	<10	<10	ug/l			no	no
Annual		Methyl Methacrylate		Annual	<10	<10	ug/l			no	no
Annual		13 Dichloropropene,cis		Annual	<10	<10	ug/l			no	no
					<10	<10					
Annual		MIBK/4 Methyl 2 Pentanone		Annual		- 10	ug/l			no	
Annual		13 Dichloropropene,trans		Annual	<10	<10	ug/l			no	
Annual		Ethyl Methacrylate		Annual	<10	<10	ug/l			no	
Annual		112 Trichloroethane		Annual	<10	<10	ug/l			no	
Annual		1,3-dichloropropane		Annual	<10	<10	ug/l			no	
Annual		2-Hexanone		Annual	<10	<10	ug/l			no	
Annual		1,2-dibromoethane		Annual	<10	<10	ug/l			no	
Annual		Chlorobenzene		Annual	<10	<10	ug/l		1	no	
Annual		1,1,1,2-tetrachloroethane		Annual	<10	<10	ug/l			no	
Annual		Ethylbenzene		Annual	<10	<10	ug/l		10	no	
Annual		Xylene P&M		Annual	<10	<10	ug/l			no	
Annual		Styrene		Annual	<10	<10	ug/l			no	
Annual		Isopropylbenzene		Annual	<10	<10	ug/l			no	
Annual		Bromobenzene		Annual	<10	<10	ug/l			no	
Annual		1,1,2,2-tetrachloroethane		Annual	<10	<10	ug/l			no	
Annual		1,2,3-trichloropropane		Annual	<10	<10	ug/l			no	no
Annual		Trans 14 Dichloro 2 Butene, tran		Annual	<10	<10	ug/l			no	no
Annual		Propylbenzene		Annual	<10	<10	ug/l			no	no
Annual		2-chlorotoluene		Annual	<10	<10	ug/l			no	no
Annual		4-chlorotoluene		Annual	<10	<10	ug/l			no	no
Annual		1,3,5-trimethylbenzene		Annual	<10	<10	ug/l			no	no
Annual		Tert Butyl Benzene		Annual	<10	<10	ug/l			no	
Annual		1,2,4-trimethylbenzene		Annual	<10	<10	ug/l			no	no
Annual	İ	sec-butylbenzene		Annual	<10	<10	ug/l			no	
Annual	İ	P Isopropyltoluene		Annual	<10	<10	ug/l			no	
Annual		N Butyl Benzene		Annual	<10	<10	ug/l			no	no
Annual		1,2-dibromo-3-chloropropane		Annual	<10	<10	ug/l			no	no
Annual	1	1,2,3-trichlorobenzene		Annual	<10	<10	ug/l			no	
7		-,-,- Indinorobenzene		Alliudi	6.7		35/1			110	Upward trend in
											pollutant
											concentration over last
											5 years of monitoring
Quarterly	96 4 S	рН	Meter	Quarterly		6.4			9.5	no	data
Quarterly		Temp	Meter	Quarterly	13.3	11.6			25	no	
Quarterly		Elec.Conductivity	Meter	Quarterly	326	269			1000	no	
			:neter	Quarterly	!	203			1000		

Groundwate	er/Soil monitoring template			Lic No:	W0002-01		Year 2014		
	Chlorides	titration	Quarterly	12.1	11.3	mg/l	250	no	no
Quarterly	Ammoniacal Nitorgen	ISE	Quarterly	0.2	0.1	mg/l		no	no
annual	Iron		annual	69		ug/l	0.2	no	no
annual	TON		annual	<0.5		mg/l	No abnormal change	no	no
Quarterly	тос	HACH	Quarterly	7.6	4.775	mg/l		no	no
Annual	Cadmium		Annual	<20	<20	ug/l	0.005	no	no
Annual	Chromium (total)		Annual	<20	<20	ug/l	0.03	no	
Annual	Copper		Annual	<20	<20	ug/l	0.03	no	no
Annual	Cyanide (Total)		Annual	37	37	ug/l	0.01	no	
Annual	Lead		Annual	<20	<20	ug/l	0.01	no	no
Annual	Mangnesium		Annual	9.49	9.49	mg/l	50		
Annual	Manganese		Annual	6962	6962	ug/l	0.05	no	
Annual	Mercury		Annual	<1	<1	ug/l	0.001	no	
Annual	Nickle		Annual	133	133	ug/l	0.02	no	
Annual	Potassium		Annual	0.83	0.83	mg/l	5.02	no	
Annual	Sulphate		Annual	3.76	3.76	mg/l	200	no	
Annual	Total Alkalinity		Annual	124.84	124.84	mg/l	200	no	
Annual	Total Phosphorus		Annual	0.07	0.07	mg/l		no	
Annual	Phenols		Annual	<10	<10	ug/l	0.5	no	
Annual	Acenaphthylene		Annual	<10	<10	ug/l	0.3	no	
Annual	Anthracene		Annual	<10	<10			no	
Annual	Benzene		Annual	<10	<10	ug/l		no	
Annual	Bromodichloromethane			<10	<10	ug/l	1	no	
Annual	Bromoform		Annual	<10	<10				
Annual	Chloroform		Annual	<10	<10	ug/l		no no	
			Annual	<10	<10	ug/l	12		
Annual Annual	Chrysene Dibromochloromethane		Annual	<10	<10	ug/l		no	
			Annual	<10	<10	ug/l		no	
Annual	Fluoranthene		Annual	<10	<10	ug/l		no	
Annual	Fluorene		Annual	<10	<10	ug/l		no	
Annual	Naphthalene		Annual	<10	<10	ug/l		no	
Annual	Dibromochloromethane		Annual	<10	<10	ug/l		no	
Annual	Pentachlorophenol		Annual	<10	<10	ug/l	2	no	
Annual	Phenanthrene		Annual	<10	<10	ug/l		no	
Annual	Pyrene		Annual			ug/l		no	
Annual	Tetrachloroethene		Annual	<10 <10	<10 <10	ug/l		no	
Annual	Trichloroethene		Annual	<10	<10	ug/l		no	
Annual	Hexachlorobenzene		Annual			ug/l	0.03	no	
Annual	Hexachlorobutadiene		Annual	<10	<10	ug/l	0.1	no	
Annual	2,4,6-Trichlorophenol		Annual	<10	<10	ug/l		no	
Annual	2,4-Dichlorophenol		Annual	<10	<10	ug/l		no	
Annual	2,4-Dimethylphenol		Annual	<10	<10	ug/l		no	
Annual	2-Chlorophenol		Annual	<10	<10	ug/l		no	
Annual	1,2,4-trichlorobenzene		Annual	<10	<10	ug/l		no	
Annual	1,2-dichlorobenzene		Annual	<10	<10	- 6		no	
Annual	1,3-dichlorobenzene		Annual	<10	<10	ug/l		no	
Annual	1,4-dichlorobenzene		Annual	<10	<10	ug/l		no	
Annual	2,4,5-Trichlorophenol		Annual	<10	<10	ug/l		no	no
Annual	2,4-Dinitrotoluene		Annual	<10	<10	ug/l		no	no
Annual	2,6-Dinitrotoluene		Annual	<10	<10	ug/l		no	no
Annual	2-Chloronaphthalene		Annual	<10	<10	ug/l		no	no
Annual	2-Methylnaphthalene		Annual	<10	<10	ug/l		no	no

Groundw	vater/Soil monitoring template		Lic No:	W0002-01		Year	2014		
Annual	2-Methylphenol	Annual	<10	<10	ug/l			no	no
Annual	2-Nitrophenol	Annual	<10	<10	ug/l			no	
			<10	<10					
Annual	4-Bromophenyl Phenyl Ether	Annual			ug/l			no	
Annual	4-Chloro-3-methylphenol	Annual	<10	<10	ug/l			no	no
Annual	4-Chlorophenyl phenyl ether	Annual	<10	<10	ug/l			no	no
Annual	4-Nitrophenol	Annual	<10	<10	ug/l			no	
Annual	Acenaphthene	Annual	<10	<10	ug/l			no	
Annual	Benzo(a)anthracene	Annual	<10	<10	ug/l			no	
Annual	Benzo(a)pyrene	Annual	<10	<10	ug/l			no	no
Annual	Benzo(b)fluoranthene	Annual	<10	<10	ug/l			no	no
Annual	Benzo(g,h,i)perylene	Annual	<10	<10	ug/l			no	no
Annual	Benzyl Butyl Phthalate	Annual	<10	<10	ug/l			no	
			<10	<10					
Annual	Bis(2-chloroethoxy)methane	Annual			ug/l			no	no
Annual	Bis(2-chloroethyl)ether	Annual	<10	<10	ug/l			no	
Annual	Bis(2-chloroisopropyl)ether	Annual	<10	<10	ug/l			no	
Annual	Bis(2-ethylhexyl)phthalate	Annual	<10	<10	ug/l			no	no
Annual	Dibenz(a,h)anthracene	Annual	<10	<10	ug/l			no	
Annual	Dibenzofuran	Annual	<10	<10	ug/l			no	
Annual	Diethylphthalate	Annual	<10	<10	ug/l			no	
Annual	di-n-Butylphthalate	Annual	<10	<10	ug/l			no	no
Annual	Di-n-octylphthalate	Annual	<10	<10	ug/l			no	
Annual	Diphenylamine	Annual	<10	<10	ug/l			no	
Annual	Hexachloroethane	Annual	<10	<10	ug/l			no	
Annual	Indeno(1,2,3-c,d)pyrene	Annual	<10	<10	ug/l			no	
Annual	Isophorone	Annual	<10	<10	ug/l			no	no
Annual	Nitrobenzene	Annual	<10	<10	ug/l			no	no
Annual	n-Nitrosodi-n-propylamine	Annual	<10	<10	ug/l			no	
Annual	Acetone	Annual	<10	<10	ug/l			no	
Annual	Dichloromethane	Annual	<10	<10	ug/l			no	
Annual	Tetrahydrofuran	Annual	<10	<10	ug/l			no	
Annual	Toluene	Annual	<10	<10	ug/l		10		
Annual	Xylene -o	Annual	<10	<10	ug/l		10		
Annual	Dichlorodifluoromethane	Annual	<10	<10	ug/l			no	
Annual	Chloromethane	Annual	<10	<10	ug/l			no	no
Annual	Ethyl Chloride/Chloroethane	Annual	<10	<10	ug/l			no	no
Annual	Vinyl Chloride	Annual	<10	<10	ug/l			no	
Annual	Bromomethane	Annual	<10	<10	ug/l			no	
		Aillida	<10	<10					
Annual	Trichloromonofluoromethane	Annual			ug/l			no	
Annual	Ethyl Ether/Diethyl Ether	Annual	<10	<10	ug/l			no	
Annual	11 Dichloroethene	Annual		<10	ug/l			no	no
Annual	Iodomethane/Methyl Iodide	Annual	<10	<10	ug/l			no	no
Annual	Carbon Disulphide	Annual	<10	<10	ug/l			no	
Annual	Allyl Chloride	Annual	<10	<10	ug/l			no	
Amidai	Chlormethyl	Annuai	<10	<10	ug/1			110	
Annual	Cyanide/Chloroacetonitrile	Annual	110	120	ug/l			no	no
Annual	Propanenitrile	Annual	<10	<10	ug/l			no	no
Annual	Trans-1,2 Dichloroethene	Annual	<10	<10	ug/l			no	no
Annual	MtBE	Annual	<10	<10	ug/l			no	no

Groundw	ater/Soil monitoring template		Lic No:	W0002-01		Year	2014		
Annual	1,1-dichloroethane	Annua	<10	<10	ug/l		30	no	no
Annual	2,2-dichloropropane	Annua	<10	<10	ug/l			no	no
Annual	cis-12 Dichloroethene	Annua	<10	<10	ug/l			no	no
Annual	2-Butanone	Annua	<10	<10	ug/l			no	no
Annual	Methyl Acrylate	Annua	<10	<10	ug/l			no	no
Annual	Bromochloromethane	Annua	<10	<10	ug/l			no	no
Annual	Methacrylonitrile	Annua	<10	<10	ug/l			no	no
Annual	1,1,1-trichloroethane	Annua	<10	<10	ug/l		500	no	no
Annual	1-Chlorobutane	Annua	<10	<10	ug/l			no	no
Annual	Carbon Tetrachloride	Annua	<10	<10	ug/l			no	no
Annual	11 Dichloropropene	Annua	<10	<10	ug/l			no	no
Annual	1,2 dicloroethane	Annua	<10	<10	ug/l			no	no
Annual	1,2-dichloropropane	Annua	<10	<10	ug/l			no	no
Annual	Dibromomethane	Annua	<10	<10	ug/l			no	no
Annual	Methyl Methacrylate	Annua	<10	<10	ug/l			no	no
Annual	13 Dichloropropene,cis	Annua	4.0	<10	ug/l			no	no
			<10	<10					
Annual	MIBK/4 Methyl 2 Pentanone	Annua	1		ug/l				no
Annual	13 Dichloropropene,trans	Annua		<10	ug/l				no
Annual	Ethyl Methacrylate	Annua		<10	ug/l				no
Annual	112 Trichloroethane	Annua		<10	ug/l				no
Annual	1,3-dichloropropane	Annua	<10	<10	- 5,				no
Annual	2-Hexanone	Annua		<10	ug/l				no
Annual	1,2-dibromoethane	Annua		<10	ug/l				no
Annual	Chlorobenzene	Annua		<10	ug/l		1		no
Annual	1,1,1,2-tetrachloroethane	Annua		<10	ug/l				no
Annual	Ethylbenzene	Annua	<10	<10	ug/l		10		no
Annual	Xylene P&M	Annua	<10	<10	ug/l				no
Annual	Styrene	Annua		<10	ug/l				no
Annual	Isopropylbenzene	Annua		<10	ug/l				no
Annual	Bromobenzene	Annua		<10	ug/l				no
Annual	1,1,2,2-tetrachloroethane	Annua	<10	<10	ug/l			no	
Annual	1,2,3-trichloropropane	Annua	<10	<10	ug/l			no	no
Annual	Trans 14 Dichloro 2 Butene, tran	Annua	<10	<10	ug/l			no	no
Annual	Propylbenzene	Annua	<10	<10	ug/l				no
Annual	2-chlorotoluene	Annua	<10	<10					no
Annual	4-chlorotoluene	Annua	` 	<10	ug/l				no
Annual	1,3,5-trimethylbenzene	Annua	10	<10	ug/l				no
Annual	Tert Butyl Benzene	Annua		<10	ug/l				no
Annual	1,2,4-trimethylbenzene	Annua	<10	<10	ug/l				no
Annual	sec-butylbenzene	Annua	<10	<10	ug/l				no
Annual	P Isopropyltoluene	Annua	<10	<10	ug/l				no
Annual	N Butyl Benzene	Annua	` 	<10	ug/l				no
Alliudi	is butyi berizene	Annua	<10	<10	ug/1			110	
Annual	1,2-dibromo-3-chloropropane	Annua			ug/l			no	no
Annual	1,2,3-trichlorobenzene	Annua	<10	<10	ug/l			no	no
			7.1						Upward trend in
									pollutant
									concentration over last
									5 years of monitoring
Quarterly	96 4D pH	Meter Quarterly		7			9.5	no	data

Groundw	ater/Soil monitoring template			Lic No:	W0002-01		Year 2014		
Quarterly	Temp	Meter	Quarterly	12.8	11.3		25	no	no
Quarterly	Elec.Conductivity	Meter	Quarterly	515	495		1000	no	no
	Chlorides	titration	Quarterly	18.07	15.9	mg/l	250	no	no
Quarterly	Ammoniacal Nitorgen	ISE	Quarterly	13.56	8.04	mg/l		no	no
Annual	Iron		Annual	577		ug/l	0.2	no	no
Annual	TON		Annual	<0.5		mg/l	No abnormal change	no	no
Quarterly	TOC	HACH	Quarterly	13.9	7.7		, and the second	no	
Annual	Cadmium		Annual	<20	<20	ug/l	0.005	no	no
Annual	Chromium (total)		Annual	<20	<20	ug/l	0.03	no	no
Annual	Copper		Annual	<20	<20	ug/l	0.03	no	no
Annual	Cyanide (Total)		Annual	35	35	ug/l	0.01	no	no
Annual	Lead		Annual	<20	<20		0.01		no
Annual	Mangnesium		Annual	18.7	18.7	mg/l	50	no	no
Annual	Manganese		Annual	380	380	ug/l	0.05		
Annual	Mercury		Annual	<1	<1		0.001		
Annual	Nickle		Annual	<20	<20		0.02		
Annual	Potassium		Annual	1.78	1.78	mg/l	0.02	no	
Annual	Sulphate		Annual	<2.5	<2.5	mg/l	200		
Annual	Total Alkalinity		Annual	250	250	mg/l	200	no	
Annual	Total Phosphorus		Annual	0.81	0.81	mg/l		no	
Annual	Phenols		Annual	<10	<10		0.5		
Annual	Acenaphthylene		Annual	<10	<10	ug/l	0.5	no	
Annual	Anthracene			-	<10			no	
Annual			Annual	<10	<10	-8/			
Annual	Benzene Bromodichloromethane		Annual	<10	<10	ug/l		no no	
			Annual	<10	<10	-8/			
Annual Annual	Bromoform Chloroform		Annual	<10	<10	- 0		no	
			Annual	<10	<10	ug/l	12		
Annual	Chrysene		Annual	<10	<10	-8/		no	
Annual	Dibromochloromethane		Annual	<10	<10	ug/l		no	
Annual	Fluoranthene		Annual	<10	<10	-8/		no	
Annual	Fluorene		Annual			- 0		no	
Annual	Naphthalene		Annual	<10 <10	<10 <10	ug/l		no	
Annual	Dibromochloromethane		Annual			ug/l		no	
Annual	Pentachlorophenol		Annual	<10	<10	- 0,	2	no	
Annual	Phenanthrene		Annual	<10 <10	<10 <10	ug/l		no	
Annual	Pyrene		Annual			-8/		no	
Annual	Tetrachloroethene		Annual	<10	<10	ug/l		no	
Annual	Trichloroethene		Annual	<10	<10	ug/.		no	
Annual	Hexachlorobenzene		Annual	<10	<10	- 0,	0.03		
Annual	Hexachlorobutadiene		Annual	<10	<10	ug/l	0.1		
Annual	2,4,6-Trichlorophenol		Annual	<10	<10	ug/l		no	
Annual	2,4-Dichlorophenol		Annual	<10	<10	ug/l		no	
Annual	2,4-Dimethylphenol		Annual	<10	<10	ug/l		no	
Annual	2-Chlorophenol		Annual	<10	<10	- 0,		no	
Annual	1,2,4-trichlorobenzene		Annual	<10	<10	ug/l		no	
Annual	1,2-dichlorobenzene		Annual		<10	ug/l		no	no
Annual	1,3-dichlorobenzene		Annual	<10	<10	ug/l		no	no
Annual	1,4-dichlorobenzene		Annual	<10	<10	ug/l		no	no
Annual	2,4,5-Trichlorophenol		Annual	<10	<10	ug/l		no	no
Annual	2,4-Dinitrotoluene		Annual	<10	<10	ug/l		no	no
Annual	2,6-Dinitrotoluene		Annual	<10	<10	ug/l		no	no

Groundw	rater/Soil monitoring template		Lic No:	W0002-01		Year	2014		
Annual	2-Chloronaphthalene	Annual	<10	<10	ug/l			no	no
Annual	2-Methylnaphthalene	Annual	<10	<10				no	no
Annual	2-Methylphenol	Annual	<10	<10	ug/l			no	no
Annual	2-Nitrophenol	Annual	<10	<10	ug/l			no	no
			<10	<10					
Annual	4-Bromophenyl Phenyl Ether	Annual			ug/l			no	
Annual	4-Chloro-3-methylphenol	Annual	<10	<10	ug/l			no	no
Annual	4-Chlorophenyl phenyl ether	Annual	<10	<10	ug/l			no	no
Annual	4-Nitrophenol	Annual	<10	<10				no	
Annual	Acenaphthene	Annual	<10	<10	ug/l			no	
Annual	Benzo(a)anthracene	Annual	<10	<10	ug/l			no	no
Annual	Benzo(a)pyrene	Annual	<10	<10	ug/l			no	no
Annual	Benzo(b)fluoranthene	Annual	<10	<10				no	
Annual	Benzo(g,h,i)perylene	Annual	<10	<10				no	no
Annual	Benzyl Butyl Phthalate	Annual	<10	<10				no	no
			<10	<10					
Annual	Bis(2-chloroethoxy)methane	Annual			ug/l			no	
Annual	Bis(2-chloroethyl)ether	Annual	<10	<10	- 3			no	no
Annual	Bis(2-chloroisopropyl)ether	Annual	<10	<10	-87			no	
Annual	Bis(2-ethylhexyl)phthalate	Annual	<10	<10	ug/l			no	
Annual	Dibenz(a,h)anthracene	Annual	<10	<10	- 3			no	
Annual	Dibenzofuran	Annual	<10	<10	-8/			no	no
Annual	Diethylphthalate	Annual	<10	<10	- 5,			no	
Annual	di-n-Butylphthalate	Annual	<10	<10	ug/l			no	no
Annual	Di-n-octylphthalate	Annual	<10	<10	ug/l			no	
Annual	Diphenylamine	Annual	<10	<10	ug/l			no	no
Annual	Hexachloroethane	Annual	<10	<10	ug/l			no	no
Annual	Indeno(1,2,3-c,d)pyrene	Annual	<10	<10	ug/l			no	no
Annual	Isophorone	Annual	<10	<10	-87			no	
Annual	Nitrobenzene	Annual	<10	<10	ug/l			no	no
Annual	n-Nitrosodi-n-propylamine	Annual	<10	<10	-87			no	
Annual	Acetone	Annual	<10	<10	ug/l			no	no
Annual	Dichloromethane	Annual	<10	<10	ug/l			no	no
Annual	Tetrahydrofuran	Annual	<10	<10	ug/l			no	no
Annual	Toluene	Annual	<10	<10	ug/l		10	no	no
Annual	Xylene -o	Annual	<10	<10	ug/l		10	no	
Annual	Dichlorodifluoromethane	Annual	<10	<10	-8/			no	no
Annual	Chloromethane	Annual	<10	<10	ug/l			no	no
Annual	Ethyl Chloride/Chloroethane	Annual	<10	<10	ug/l			no	no
Annual	Vinyl Chloride	Annual	<10	<10				no	
Annual	Bromomethane	Annual	<10	<10	- 01			no	
Allifudi	Bromomethane	Annual	<10	<10	dg/1			110	
Annual	Trichloromonofluoromethane	Annual	120	120	ug/l			no	no
Annual	Ethyl Ether/Diethyl Ether	Annual	<10	<10	ug/l			no	no
Annual	11 Dichloroethene	Annual	<10	<10	ug/l			no	no
			<10	<10					
Annual	Iodomethane/Methyl Iodide	Annual	<10	-40	ug/l			no	
Annual	Carbon Disulphide	Annual		<10	- 0,			no	
Annual	Allyl Chloride Chlormethyl	Annual	<10	<10	ug/l			no	no
Annual	Cyanide/Chloroacetonitrile	Annual	<10	<10	ug/l			no	no
Annual	Propanenitrile	Annual	<10	<10				no	

Groundy	rater/Soil monitoring template		Lic No:	W0002-01		Year	2014		
Annual	Trans-1,2 Dichloroethene		<10	VV0002-01 <10	ug/l	i cai	2014	no	no
Annual	MtBE	Annual Annual	<10	<10	ug/I			no	
Annual	1,1-dichloroethane		<10	<10	ug/l		30	no	
Annual	2,2-dichloropropane	Annual Annual	<10	<10	ug/l		30	no	
Annual	cis-12 Dichloroethene	Annual	<10	<10	ug/l			no	
Annual	2-Butanone	Annual	<10	<10	ug/l			no	
Annual	Methyl Acrylate	Annual	<10	<10	ug/l			no	
Annual	Bromochloromethane	Annual	<10	<10	ug/l			no	
Annual	Methacrylonitrile	Annual	<10	<10	ug/l			no	
Annual	1,1,1-trichloroethane	Annual	<10	<10	ug/l		500	no	
Annual	1-Chlorobutane	Annual	<10	<10	ug/l			no	
Annual	Carbon Tetrachloride	Annual	<10	<10	ug/l			no	
Annual	11 Dichloropropene	Annual	<10	<10	ug/l			no	no
Annual	1,2 dicloroethane	Annual	<10	<10	ug/l			no	no
Annual	1,2-dichloropropane	Annual	<10	<10	ug/l			no	no
Annual	Dibromomethane	Annual	<10	<10	ug/l			no	no
Annual	Methyl Methacrylate	Annual	<10	<10	ug/l			no	no
Annual	13 Dichloropropene,cis	Annual	<10	<10	ug/l			no	no
			<10	<10					
Annual	MIBK/4 Methyl 2 Pentanone	Annual	<10	<10	ug/l			no	
Annual	13 Dichloropropene,trans	Annual	<10	<10	ug/l			no	
Annual Annual	Ethyl Methacrylate 112 Trichloroethane	Annual	<10	<10	ug/l			no no	
Annual	1,3-dichloropropane	Annual	<10	<10	ug/l ug/l			no	
Annual	2-Hexanone	Annual	<10	<10	ug/l			no	
Annual	1,2-dibromoethane	Annual Annual	<10	<10	ug/l			no	
Annual	Chlorobenzene	Annual	<10	<10	ug/l		1	no	
Annual	1,1,1,2-tetrachloroethane	Annual	<10	<10	ug/l		1	no	
Annual	Ethylbenzene	Annual	<10	<10	ug/l		10	no	
Annual	Xylene P&M	Annual	<10	<10	ug/l		10	no	
Annual	Styrene	Annual	<10	<10	ug/l			no	
Annual	Isopropylbenzene	Annual	<10	<10	ug/l			no	
Annual	Bromobenzene	Annual	<10	<10	ug/l			no	
Annual	1,1,2,2-tetrachloroethane	Annual	<10	<10	ug/l			no	no
Annual	1,2,3-trichloropropane	Annual	<10	<10	ug/l			no	no
Annual	Trans 14 Dichloro 2 Butene, tran	Annual	<10	<10	ug/l			no	no
Annual	Propylbenzene	Annual	<10	<10	ug/l				no
Annual	2-chlorotoluene	Annual	<10	<10	ug/l				no
Annual	4-chlorotoluene	Annual	<10	<10	ug/l				no
Annual	1,3,5-trimethylbenzene	Annual	<10	<10	ug/l			no	no
Annual	Tert Butyl Benzene	Annual	<10	<10	ug/l			no	no
Annual	1,2,4-trimethylbenzene	Annual	<10	<10	ug/l			no	no
Annual	sec-butylbenzene	Annual	<10	<10	ug/l			no	no
Annual	P Isopropyltoluene	Annual	<10	<10	ug/l			no	no
Annual	N Butyl Benzene	Annual	<10	<10	ug/l			no	no
Annual	1,2-dibromo-3-chloropropane	Annual	<10	<10	ug/l			no	no
Annual	1,2,3-trichlorobenzene	Annual	<10	<10	ug/l			no	no

roundwater/Soil monitoring template					Lic No:	W0002-01		Year	2014			
	,	3			7.4						Upward trend in pollutant concentration over last 5 years of monitoring	
Quarterly	96 58	рН	Meter	Quarterly		6.7			9.5	no	data	
Quarterly		Temp	Meter	Quarterly	15.5	12.5			25	no	no	
Quarterly		Elec.Conductivity	Meter	Quarterly	487	460			1000	no	no	
		Chlorides	titration	Quarterly	56.81	50.8	mg/l		250	no	no	
Quarterly		Ammoniacal Nitorgen	ISE	Quarterly	2.24	0.912	mg/l			no	no	
Annual		Iron		Annual	37		ug/l		0.2	no	no	
Annual		TON		Annual	<0.5		mg/l		No abnormal change	no	no	
Quarterly		TOC	HACH	Quarterly	7.8	5.25	mg/l			no	no	
Annual		Cadmium		Annual	<20	<20	ug/l		0.005	no	no	
Annual		Chromium (total)		Annual	<20	<20	ug/l		0.03	no	no	
Annual		Copper		Annual	<20	<20	ug/l		0.03	no	no	
Annual		Cyanide (Total)		Annual	81	81	ug/l		0.01	no	no	
Annual		Lead		Annual	<20	<20	ug/l		0.01	no	no	
Annual		Mangnesium		Annual	9.93	9.93	mg/l		50	no	no	
Annual		Manganese		Annual	5662	5662	ug/l		0.05	no	no	
Annual		Mercury		Annual	<1	<1	ug/l		0.001	no	no	
Annual		Nickle		Annual	<20	<20	ug/l		0.02	no	no	
Annual		Potassium		Annual	1.21	1.21	mg/l		5	no	no	
Annual		Sulphate		Annual	<2.5	<2.5	mg/l		200	no	no	
Annual		Total Alkalinity		Annual	157.5	157.5	mg/l			no	no	
Annual		Total Phosphorus		Annual	0.03	0.03	mg/l			no		
Annual		Phenols		Annual	<10	<10	ug/l		0.5	no		
Annual		Acenaphthylene		Annual	<10	<10	ug/l			no		
Annual		Anthracene		Annual	<10	<10	ug/l			no	no	
Annual		Benzene		Annual	<10	<10	ug/l		1	no		
Annual		Bromodichloromethane		Annual	<10	<10	ug/l			no	no	
Annual		Bromoform		Annual	<10	<10	ug/l			no	no	
Annual		Chloroform		Annual	<10	<10	ug/l		12	no		
Annual		Chrysene		Annual	<10	<10	ug/l			no	no	
Annual		Dibromochloromethane		Annual	<10	<10	ug/l			no		
Annual		Fluoranthene		Annual	<10	<10	ug/l			no		
Annual		Fluorene		Annual	<10	<10	ug/l			no		
Annual	İ	Naphthalene		Annual	<10	<10	ug/l			no		
Annual		Dibromochloromethane		Annual	<10	<10	ug/l			no		
Annual		Pentachlorophenol		Annual	<10	<10	ug/l		2	no		
Annual		Phenanthrene		Annual	<10	<10	ug/l			no		
Annual		Pyrene		Annual	<10	<10	ug/l			no		
Annual		Tetrachloroethene		Annual	<10	<10	ug/l			no	no	
Annual		Trichloroethene		Annual	<10	<10	ug/l			no		
Annual		Hexachlorobenzene		Annual	<10	<10	ug/l		0.03	no		
Annual		Hexachlorobutadiene		Annual	<10	<10	ug/l		0.1	no		
Annual		2,4,6-Trichlorophenol		Annual	<10	<10	ug/l		**-	no		
Annual		2,4-Dichlorophenol		Annual	<10	<10	ug/l			no		
Annual	+	2,4-Dimethylphenol		Annual	<10	<10	ug/l			no		
Annual		2-Chlorophenol		Annual	<10	<10	ug/l			no		
Annual		1,2,4-trichlorobenzene		Annual	<10	<10	ug/l			no		
		1,2-dichlorobenzene		Annual	<10	<10	ug/l			no		

Groundw	ater/Soil monitoring template		Lic No:	W0002-01		Year	2014		
Annual	1,3-dichlorobenzene	Annual	<10	<10	ug/l			no	no
Annual	1,4-dichlorobenzene	Annual	<10	<10	ug/l			no	no
Annual	2,4,5-Trichlorophenol	Annual	<10	<10	ug/l			no	no
Annual	2,4-Dinitrotoluene	Annual	<10	<10	ug/l			no	no
Annual	2,6-Dinitrotoluene	Annual	<10	<10	ug/l			no	no
Annual	2-Chloronaphthalene	Annual	<10	<10	ug/l			no	no
Annual	2-Methylnaphthalene	Annual	<10	<10	ug/l			no	no
Annual	2-Methylphenol	Annual	<10	<10	ug/l			no	no
Annual	2-Nitrophenol	Annual	<10	<10	ug/l			no	no
			<10	<10	_				
Annual	4-Bromophenyl Phenyl Ether	Annual	<10	<10	ug/l			no	
Annual	4-Chloro-3-methylphenol	Annual	<10	<10	ug/l			no	no
Annual	4-Chlorophenyl phenyl ether	Annual			ug/l			no	no
Annual	4-Nitrophenol	Annual	<10	<10	ug/l			no	no
Annual	Acenaphthene	Annual	<10	<10	ug/l			no	no
Annual	Benzo(a)anthracene	Annual	<10	<10	ug/l			no	no
Annual	Benzo(a)pyrene	Annual	<10	<10	ug/l			no	no
Annual	Benzo(b)fluoranthene	Annual	<10	<10	ug/l			no	no
Annual	Benzo(g,h,i)perylene	Annual	<10	<10	ug/l			no	no
Annual	Benzyl Butyl Phthalate	Annual	<10	<10	ug/l			no	no
Annual	Bis(2-chloroethoxy)methane	Annual	<10	<10	ug/l			no	no
Annual	Bis(2-chloroethyl)ether	Annual	<10	<10	ug/l			no	
Annual	Bis(2-chloroisopropyl)ether	Annual	<10	<10	ug/l			no	
Annual	Bis(2-ethylhexyl)phthalate	Annual	<10	<10	ug/l			no	
Annual	Dibenz(a,h)anthracene	Annual	<10	<10	ug/l			no	
Annual	Dibenzofuran	Annual	<10	<10	ug/l			no	
Annual	Diethylphthalate	Annual	<10	<10	ug/l			no	
Annual	di-n-Butylphthalate	Annual	<10	<10	ug/l			no	
Annual	Di-n-octylphthalate	Annual	<10	<10	ug/l			no	
Annual	Diphenylamine	Annual	<10	<10	ug/l			no	
Annual	Hexachloroethane	Annual	<10	<10	ug/l			no	
Annual	Indeno(1,2,3-c,d)pyrene	Annual	<10	<10	ug/l			no	
Annual	Isophorone	Annual	<10	<10	ug/l			no	
Annual	Nitrobenzene	Annual	<10	<10	ug/l			no	
Annual	n-Nitrosodi-n-propylamine	Annual	<10	<10	ug/l			no	
Annual	Acetone	Annual	<10	<10	ug/l			no	
Annual	Dichloromethane	Annual	<10	<10	ug/l			no	
Annual	Tetrahydrofuran	Annual	<10	<10	ug/l			no	
Annual	Toluene	Annual	<10	<10	ug/l		10	no	
Annual	Xylene -o	Annual	<10	<10	ug/l		10		
Annual	Dichlorodifluoromethane	Annual	<10	<10	ug/l		10	no	
Annual	Chloromethane	Annual	<10	<10	ug/l			no	
	Ethyl Chloride/Chloroethane		<10	<10					
Annual Annual	Vinyl Chloride	Annual	<10	<10	ug/l ug/l			no no	
Annual	Bromomethane	Annual Annual	<10	<10	ug/l			no	
		Alliqui	<10	<10	36/1				
Annual	Trichloromonofluoromethane	Annual			ug/l			no	
Annual	Ethyl Ether/Diethyl Ether	Annual	<10	<10	ug/l			no	
Annual	11 Dichloroethene	Annual	<10	<10	ug/l			no	no

Annual		ring template Lic No: W0002-01 Year 2014							
	Iodomethane/Methyl Iodide	Annual	<10	<10	ug/l			no	no
Annual	Carbon Disulphide	Annual	<10	<10	ug/l			no	
Annual	Allyl Chloride	Annual	<10	<10	ug/l			no	
	Chlormethyl		<10	<10	<u> </u>				
Annual	Cyanide/Chloroacetonitrile	Annual			ug/l			no	
Annual	Propanenitrile	Annual	<10	<10	ug/l			no	
Annual	Trans-1,2 Dichloroethene	Annual	<10	<10	ug/l			no	
Annual	MtBE	Annual	<10	<10	ug/l			no	
Annual	1,1-dichloroethane	Annual	<10	<10	ug/l		30	no	
Annual	2,2-dichloropropane	Annual	<10	<10	ug/l			no	no
Annual	cis-12 Dichloroethene	Annual	<10	<10	ug/l			no	no
Annual	2-Butanone	Annual	<10	<10	ug/l			no	no
Annual	Methyl Acrylate	Annual	<10	<10	ug/l			no	no
Annual	Bromochloromethane	Annual	<10	<10	ug/l			no	no
Annual	Methacrylonitrile	Annual	<10	<10	ug/l			no	no
Annual	1,1,1-trichloroethane	Annual	<10	<10	ug/l		500	no	no
Annual	1-Chlorobutane	Annual	<10	<10	ug/l			no	no
Annual	Carbon Tetrachloride	Annual	<10	<10	ug/l			no	no
Annual	11 Dichloropropene	Annual	<10	<10	ug/l			no	no
Annual	1,2 dicloroethane	Annual	<10	<10	ug/l			no	no
Annual	1,2-dichloropropane	Annual	<10	<10	ug/l			no	no
Annual	Dibromomethane	Annual	<10	<10	ug/l			no	no
Annual	Methyl Methacrylate	Annual	<10	<10	ug/l			no	no
Annual	13 Dichloropropene,cis	Annual	<10	<10	ug/l			no	no
Annual	MIBK/4 Methyl 2 Pentanone	Annual	<10	<10	ug/l			no	no
Annual	13 Dichloropropene,trans	Annual	<10	<10	ug/l			no	no
Annual	Ethyl Methacrylate	Annual	<10	<10	ug/l			no	no
Annual	112 Trichloroethane	Annual	<10	<10	ug/l			no	no
Annual	1,3-dichloropropane	Annual	<10	<10	ug/l			no	no
Annual	2-Hexanone	Annual	<10	<10	ug/l			no	no
Annual	1,2-dibromoethane	Annual	<10	<10	ug/l			no	no
Annual	Chlorobenzene	Annual	<10	<10	ug/l		1	no	no
Annual	1,1,1,2-tetrachloroethane	Annual	<10	<10	ug/l			no	no
Annual	Ethylbenzene	Annual	<10	<10	ug/l		10	no	no
Annual	Xylene P&M	Annual	<10	<10	ug/l			no	
Annual	Styrene	Annual	<10	<10	ug/l			no	
Annual	Isopropylbenzene	Annual	<10	<10	ug/l			no	
Annual	Bromobenzene	Annual	<10	<10	ug/l			no	
Annual	1,1,2,2-tetrachloroethane	Annual	<10	<10	ug/l			no	
Annual	1,2,3-trichloropropane	Annual	<10	<10	ug/l			no	
Annual	Trans 14 Dichloro 2 Butene, tran	Annual	<10	<10	ug/l			no	
Annual	Propylbenzene	Annual	<10	<10	ug/l			no	
Annual	2-chlorotoluene	Annual	<10	<10	ug/l			no	
Annual	4-chlorotoluene	Annual	<10	<10	ug/l			no	
Annual	1,3,5-trimethylbenzene	Annual	<10	<10	ug/l			no	
Annual	Tert Butyl Benzene	Annual	<10	<10	ug/l			no	
Annual	1,2,4-trimethylbenzene	Annual	<10	<10	ug/l			no	
Annual	sec-butylbenzene		<10	<10					
Annual	P Isopropyltoluene	Annual Annual	<10	<10	ug/l ug/l			no no	

Groundw	ater/Soil m	onitoring template			Lic No:	W0002-01		Year 2014	1	
Annual		N Butyl Benzene		Annual	<10	<10	ug/l		no	no
Annual		1.2 dibromo 2 abloronronono		A	<10	<10				no
Annual		1,2-dibromo-3-chloropropane 1,2,3-trichlorobenzene		Annual	<10	<10	ug/l ug/l			no
Ailliuai		1,2,3-tricilloroberizerie		Annual	7.7		ug/i		110	Upward trend in
										pollutant
										concentration over last
										5 years of monitoring
Quarterly	96 5D	рН	Meter	Quarterly		7.2		9.	no no	data
Quarterly		Temp	Meter	Quarterly	13.9	13.9		2!		no
Quarterly		Elec.Conductivity	Meter	Quarterly	434	432		1000		no
,		Chlorides	titration	Quarterly	14.61	14.34	mg/l	25(
Quarterly		Ammoniacal Nitorgen	ISE	Quarterly	0.09	0.042	mg/l			no
Annual		Iron		Annual	1525		ug/l	0.:	2 no	no
Annual		TON		Annual	,0.5		mg/l	No abnormal change	e no	no
Quarterly		тос	HACH	Quarterly	7.6	3.2	mg/l			no
Annual		Cadmium		Annual	<20	<20	ug/l	0.00	5 no	no
Annual		Chromium (total)		Annual	<20	<20	ug/l	0.0	no no	no
Annual		Copper		Annual	<20	<20	ug/l	0.03	3 no	no
Annual		Cyanide (Total)		Annual	102	102	ug/l	0.0:	1 no	no
Annual		Lead		Annual	<20	<20	ug/l	0.0:	1 no	no
Annual		Mangnesium		Annual	9.3	9.3	mg/l	50) no	no
Annual		Manganese		Annual	3595	3595	ug/l	0.09	no no	no
Annual		Mercury		Annual	<1	<1	ug/l	0.00	no no	no
Annual		Nickle		Annual	<20	<20	ug/l	0.03	2 no	no
Annual		Potassium		Annual	1.71	1.71	mg/l	!	5 no	no
Annual		Sulphate		Annual	<2.5	<2.5	mg/l	200	no no	no
Annual		Total Alkalinity		Annual	173.8	173.8	mg/l		no	no
Annual		Total Phosphorus		Annual	0.8	0.8	mg/l			no
Annual		Phenols		Annual	<10	<10	ug/l	0.9		no
Annual		Acenaphthylene		Annual	<10	<10	ug/l			no
Annual		Anthracene		Annual	<10	<10	ug/l		no	
Annual		Benzene		Annual	<10	<10	ug/l			no
Annual		Bromodichloromethane		Annual	<10 <10	<10 <10	ug/l			no
Annual		Bromoform		Annual	<10	<10	ug/l			no
Annual		Chloroform		Annual	<10	<10	ug/l	1:		
Annual		Chrysene		Annual	<10	<10	ug/l		no	
Annual		Dibromochloromethane Fluoranthene		Annual	<10	<10	ug/l ug/l			no no
Annual Annual		Fluorantnene		Annual Annual	<10	<10				no
Annual		Naphthalene			<10	<10	ug/l ug/l			no
Annual		Dibromochloromethane		Annual	<10	<10	ug/l		no	
Annual		Pentachlorophenol		Annual Annual	<10	<10	ug/l			no
Annual		Phenanthrene		Annual	<10	<10	ug/l			no
Annual		Pyrene		Annual	<10	<10	ug/l			no
Annual		Tetrachloroethene		Annual	<10	<10	ug/l		no	
Annual		Trichloroethene		Annual	<10	<10	ug/l			no
Annual		Hexachlorobenzene		Annual	<10	<10	ug/l	0.0:		no
Annual		Hexachlorobutadiene		Annual	<10	<10	ug/l	0.:		no
Annual		2,4,6-Trichlorophenol		Annual	<10	<10	ug/l	0		no
Annual		2,4-Dichlorophenol		Annual	<10	<10	ug/l			no

Groundw	ater/Soil monitoring template	Lic No:	W0002-01		Year				
Annual	2,4-Dimethylphenol	Annual	<10	<10	ug/l			no	no
Annual	2-Chlorophenol	Annual	<10	<10	ug/l			no	no
Annual	1,2,4-trichlorobenzene	Annual	<10	<10	ug/l			no	no
Annual	1,2-dichlorobenzene	Annual	<10	<10				no	no
Annual	1,3-dichlorobenzene	Annual	<10	<10				no	
Annual	1,4-dichlorobenzene	Annual	<10	<10	ug/l			no	
Annual	2,4,5-Trichlorophenol	Annual	<10	<10	ug/l			no	
Annual	2,4-Dinitrotoluene	Annual	<10	<10				no	
Annual	2,6-Dinitrotoluene	Annual	<10	<10	ug/l			no	no
Annual	2-Chloronaphthalene	Annual	<10	<10	ug/l			no	no
Annual	2-Methylnaphthalene	Annual	<10	<10	ug/l			no	
Annual	2-Methylphenol	Annual	<10	<10	ug/l			no	
Annual	2-Nitrophenol	Annual	<10	<10	ug/I			no	
		7411133	<10	<10	3				
Annual	4-Bromophenyl Phenyl Ether	Annual			ug/l			no	no
Annual	4-Chloro-3-methylphenol	Annual	<10	<10	ug/l			no	no
Annual	4-Chlorophenyl phenyl ether	Annual	<10	<10	ug/l			no	no.
Annual	4-Chlorophenyl phenyl ether		<10	<10	ug/l			no	
Annual	Acenaphthene	Annual	<10	<10	ug/l			no	
		Annual	<10	<10					
Annual	Benzo(a)anthracene	Annual	<10	<10	ug/l			no	
Annual	Benzo(a)pyrene	Annual	<10	<10	ug/l			no	
Annual	Benzo(b)fluoranthene	Annual	<10	<10	-0/-			no	
Annual	Benzo(g,h,i)perylene	Annual	<10	<10	-8/-			no	
Annual	Benzyl Butyl Phthalate	Annual			ug/l			no	no
Annual	Bis(2-chloroethoxy)methane	Annual	<10	<10	ug/l			no	no
Annual	Bis(2-chloroethyl)ether	Annual	<10	<10	ug/l			no	no
Annual	Bis(2-chloroisopropyl)ether	Annual	<10	<10				no	
Annual	Bis(2-ethylhexyl)phthalate	Annual	<10	<10	ug/l			no	
Annual	Dibenz(a,h)anthracene	Annual	<10	<10	ug/l			no	
Annual	Dibenzofuran	Annual	<10	<10				no	
Annual	Diethylphthalate	Annual	<10	<10				no	
Annual	di-n-Butylphthalate	Annual	<10	<10				no	
Annual	Di-n-octylphthalate	Annual	<10	<10	ug/l			no	
Annual	Diphenylamine	Annual	<10	<10	ug/l			no	
Annual	Hexachloroethane	Annual	<10	<10				no	
Annual	Indeno(1,2,3-c,d)pyrene	Annual	<10	<10	ug/l			no	
Annual	Isophorone	Annual	<10	<10				no	
Annual	Nitrobenzene	Annual	<10	<10	ug/l			no	
Annual	n-Nitrosodi-n-propylamine	Annual	<10	<10	ug/l			no	
Annual	Acetone	Annual	<10	<10	ug/l			no	
Annual	Dichloromethane	Annual	<10	<10	ug/l			no	
Annual	Tetrahydrofuran	Annual	<10	<10				no	
Annual	Toluene		<10	<10	-8/				
		Annual	<10	<10	-8/-		10		
Annual Annual	Xylene -o	Annual	-	<10	-8/	 	10		
	Dichlorodifluoromethane	Annual	<10	<10	ug/l			no	
Annual	Chloromethane	Annual	<10	<10	ug/l			no	III
Annual	Ethyl Chloride/Chloroethane	Annual	<10	<10	ug/l			no	no
Annual	Vinyl Chloride	Annual	<10	<10	ug/l			no	
Annual	Bromomethane	Annual	<10	<10				no	

Groundy	vater/Soil monitoring template		Lic No:	W0002-01		Year	2014		
Annual	Trichloromonofluoromethane	Annual	<10	<10	ug/l			no	no
Annual	Ethyl Ether/Diethyl Ether	Annual	<10	<10	ug/l			no	no
Annual	11 Dichloroethene	Annual	<10	<10	ug/l			no	no
A	1-d		<10	<10					
Annual Annual	lodomethane/Methyl lodide Carbon Disulphide	Annual	<10	<10	ug/l			no	
		Annual	<10	<10	ug/l			no	
Annual	Allyl Chloride Chlormethyl	Annual	<10	<10	ug/l			no	no
Annual	Cyanide/Chloroacetonitrile	Annual	\10		ug/l			no	no
Annual	Propanenitrile	Annual	<10	<10	ug/l			no	no
Annual	Trans-1,2 Dichloroethene	Annual	<10	<10	ug/l			no	no
Annual	MtBE	Annual	<10	<10	ug/l			no	no
Annual	1,1-dichloroethane	Annual	<10	<10	ug/l		30	no	no
Annual	2,2-dichloropropane	Annual	<10	<10	ug/l			no	no
Annual	cis-12 Dichloroethene	Annual	<10	<10	ug/l			no	no
Annual	2-Butanone	Annual	<10	<10	ug/l			no	no
Annual	Methyl Acrylate	Annual	<10	<10	ug/l			no	no
Annual	Bromochloromethane	Annual	<10	<10	ug/l			no	no
Annual	Methacrylonitrile	Annual	<10	<10	ug/l			no	no
Annual	1,1,1-trichloroethane	Annual	<10	<10	ug/l		500	no	no
Annual	1-Chlorobutane	Annual	<10	<10	ug/l			no	no
Annual	Carbon Tetrachloride	Annual	<10	<10	ug/l			no	no
Annual	11 Dichloropropene	Annual	<10	<10	ug/l			no	no
Annual	1,2 dicloroethane	Annual	<10	<10	ug/l			no	
Annual	1,2-dichloropropane	Annual	<10	<10	ug/l			no	no
Annual	Dibromomethane	Annual	<10	<10	ug/l			no	
Annual	Methyl Methacrylate	Annual	<10	<10	ug/l			no	
Annual	13 Dichloropropene, cis	Annual	<10	<10	ug/l			no	
Annual	MIBK/4 Methyl 2 Pentanone	Annual	<10	<10	ug/l			no	
Annual	13 Dichloropropene, trans	Annual	<10	<10	ug/l			no	
Annual	Ethyl Methacrylate	Annual	<10	<10	ug/I			no	
Annual	112 Trichloroethane	Annual	<10	<10	ug/l			no	
Annual	1,3-dichloropropane	Annual	<10	<10	ug/l			no	
Annual	2-Hexanone	Annual	<10	<10	ug/l			no	
Annual	1,2-dibromoethane	Annual	<10	<10	ug/l			no	
Annual	Chlorobenzene	Annual	<10	<10	ug/l		1	no	
Annual	1,1,1,2-tetrachloroethane	Annual	<10	<10	ug/l			no	
Annual	Ethylbenzene	Annual	<10	<10	ug/l		10	no	
Annual	Xylene P&M	Annual	<10	<10	ug/l		10	no	
Annual	Styrene	Annual	<10	<10	ug/l			no	
Annual	Isopropylbenzene	Annual	<10	<10	ug/l			no	
Annual	Bromobenzene		<10	<10	ug/l			no	
Annual	1,1,2,2-tetrachloroethane	Annual Annual	<10	<10	ug/l			no	
Annual	1,1,2,2-tetrachioroethane 1,2,3-trichloropropane	Annual	<10	<10	ug/I			no	
			<10	<10					
Annual	Trans 14 Dichloro 2 Butene, tran	Annual	<10	<10	ug/l			no	
Annual	Propylbenzene	Annual			ug/l			no	
Annual	2-chlorotoluene	Annual	<10	<10	ug/l			no	
Annual	4-chlorotoluene	Annual	<10	<10	ug/l			no	
Annual	1,3,5-trimethylbenzene	Annual	<10	<10	ug/l			no	
Annual	Tert Butyl Benzene	Annual	<10	<10	ug/l			no	no

Groundy	vater/Soil mo	initoring template Lic No: W0002-01 Year 20				2014	14			
Annual		1,2,4-trimethylbenzene		Annual	<10	<10	ug/l			no no
Annual		sec-butylbenzene		Annual	<10	<10	ug/l			no no
Annual		P Isopropyltoluene		Annual	<10	<10	ug/l			no no
Annual		N Butyl Benzene		Annual	<10	<10	ug/l			no no
					<10	<10				
Annual		1,2-dibromo-3-chloropropane		Annual	-40	-10	ug/l			no no
Annual		1,2,3-trichlorobenzene		Annual	<10	<10	ug/l			no no
Quarterly	99 1s	рн	Meter	Quarterly	7.1	,			9.5	Upward trend in pollutant concentration over last 5 years of monitoring data
Quarterly	33 13	Temp	Meter	Quarterly	13.6	10			25	
Quarterly		Elec.Conductivity	Meter	Quarterly	363	350			1000	
Quarterry		Chlorides	titration	Quarterly	14	13.4	mg/l		250	
Quarterly		Ammoniacal Nitorgen	ISE	Quarterly	7.33	6.12	mg/l		230	no no
Annual		Iron		Quarterly	71		ug/l		0.2	
Annual		TON		Quarterly	0.53		mg/l	No abnorr		
Quarterly		TOC	HACH	Quarterly	3.9	2.8	mg/l	140 abil011	criarige	no no
Annual		Cadmium		Annual	<20	<20	ug/l		0.005	
Annual		Chromium (total)		Annual	<20	<20	ug/l		0.03	
Annual		Copper		Annual	<20	<20	ug/l		0.03	
Annual		Cyanide (Total)		Annual	65	65	ug/l		0.01	
Annual		Lead		Annual	<20	<20	ug/l		0.01	
Annual		Mangnesium		Annual	11	11	mg/l		50	
Annual		Manganese		Annual	4458	4458	ug/l		0.05	
Annual		Mercury		Annual	<1	<1	ug/l		0.001	
Annual		Nickle		Annual	<20	<20	ug/l		0.02	
Annual		Potassium		Annual	1.1	1.1	mg/l		5	no no
Annual		Sulphate		Annual	1.31	1.31	mg/l		200	no no
Annual		Total Alkalinity		Annual	212.52	212.52	mg/l			no no
Annual		Total Phosphorus		Annual	0.3	0.3	mg/l			no no
Annual		Phenols		Annual	<10	<10	ug/l		0.5	no no
Annual		Acenaphthylene		Annual	<10	<10	ug/l			no no
Annual		Anthracene		Annual	<10	<10	ug/l			no no
Annual		Benzene		Annual	<10	<10	ug/l		1	no no
Annual		Bromodichloromethane		Annual	<10	<10	ug/l			no no
Annual		Bromoform		Annual	<10	<10	ug/l			no no
Annual		Chloroform		Annual	<10	<10	ug/l		12	no no
Annual		Chrysene		Annual	<10	<10	ug/l			no no
Annual		Dibromochloromethane		Annual	<10	<10	ug/l			no no
Annual		Fluoranthene		Annual	<10	<10	ug/l			no no
Annual		Fluorene		Annual	<10	<10	ug/l			no no
Annual		Naphthalene		Annual	<10	<10	ug/l			no no
Annual		Dibromochloromethane		Annual	<10	<10	ug/l			no no
Annual		Pentachlorophenol		Annual	<10	<10	ug/l		2	no no
Annual		Phenanthrene		Annual	<10	<10	ug/l			no no
Annual		Pyrene		Annual	<10	<10	ug/l			no no
Annual		Tetrachloroethene		Annual	<10	<10	ug/l			no no
Annual		Trichloroethene		Annual	<10	<10	ug/l			no no
Annual		Hexachlorobenzene		Annual	<10	<10	ug/l		0.03	no no

Groundw	rater/Soil monitoring template	Lic No:	W0002-01		Year	2014			
Annual	Hexachlorobutadiene	Annual	<10	<10	ug/l		0.1	no	no
Annual	2,4,6-Trichlorophenol	Annual	<10	<10	ug/l			no	no
Annual	2,4-Dichlorophenol	Annual	<10	<10	ug/l			no	no
Annual	2,4-Dimethylphenol	Annual	<10	<10	ug/l			no	no
Annual	2-Chlorophenol	Annual	<10	<10	ug/l			no	no
Annual	1,2,4-trichlorobenzene	Annual	<10	<10	ug/l			no	no
Annual	1,2-dichlorobenzene	Annual	<10	<10	ug/l			no	no
Annual	1,3-dichlorobenzene	Annual	<10	<10	ug/l			no	no
Annual	1,4-dichlorobenzene	Annual	<10	<10	ug/l			no	no
Annual	2,4,5-Trichlorophenol	Annual	<10	<10	ug/l			no	no
Annual	2,4-Dinitrotoluene	Annual	<10	<10	ug/l			no	no
Annual	2,6-Dinitrotoluene	Annual	<10	<10	ug/l			no	no
Annual	2-Chloronaphthalene	Annual	<10	<10	ug/l			no	no
Annual	2-Methylnaphthalene	Annual	<10	<10	ug/l			no	no
Annual	2-Methylphenol	Annual	<10	<10	ug/l			no	no
Annual	2-Nitrophenol	Annual	<10	<10	ug/l			no	no
			<10	<10					
Annual	4-Bromophenyl Phenyl Ether	Annual			ug/l			no	
Annual	4-Chloro-3-methylphenol	Annual	<10	<10	ug/l			no	no
Annual	4-Chlorophenyl phenyl ether	Annual	<10	<10	ug/l			no	no
Annual	4-Nitrophenol	Annual	<10	<10				no	
Annual	Acenaphthene	Annual	<10	<10	ug/l			no	
Annual	Benzo(a)anthracene	Annual	<10	<10				no	
Annual	Benzo(a)pyrene	Annual	<10	<10	ug/l			no	
Annual	Benzo(b)fluoranthene	Annual	<10	<10	ug/l			no	
Annual	Benzo(g,h,i)perylene	Annual	<10	<10	ug/l			no	
Annual	Benzyl Butyl Phthalate	Annual	<10	<10	ug/l			no	
71111001	Benzyi Bucyi i minulate	Ailiuai	<10	<10				110	110
Annual	Bis(2-chloroethoxy)methane	Annual			ug/l			no	no
Annual	Bis(2-chloroethyl)ether	Annual	<10	<10	ug/l			no	no
Annual	Bis(2-chloroisopropyl)ether	Annual	<10	<10	ug/l			no	no
Annual	Bis(2-ethylhexyl)phthalate	Annual	<10	<10	ug/l			no	no
Annual	Dibenz(a,h)anthracene	Annual	<10	<10	ug/l			no	no
Annual	Dibenzofuran	Annual	<10	<10	ug/l			no	no
Annual	Diethylphthalate	Annual	<10	<10	ug/l			no	no
Annual	di-n-Butylphthalate	Annual	<10	<10	ug/l			no	no
Annual	Di-n-octylphthalate	Annual	<10	<10	ug/l			no	no
Annual	Diphenylamine	Annual	<10	<10	ug/l			no	no
Annual	Hexachloroethane	Annual	<10	<10	ug/l			no	no
Annual	Indeno(1,2,3-c,d)pyrene	Annual	<10	<10	ug/l			no	no
Annual	Isophorone	Annual	<10	<10	ug/l			no	no
Annual	Nitrobenzene	Annual	<10	<10	ug/l			no	no
Annual	n-Nitrosodi-n-propylamine	Annual	<10	<10	ug/l			no	no
Annual	Acetone	Annual	<10	<10	ug/l			no	no
Annual	Dichloromethane	Annual	<10	<10	ug/l			no	no
Annual	Tetrahydrofuran	Annual	<10	<10	ug/l			no	no
Annual	Toluene	Annual	<10	<10	ug/l		10	no	no
Annual	Xylene -o	Annual	<10	<10	ug/l		10	no	no
Annual	Dichlorodifluoromethane	Annual	<10	<10	ug/l			no	no
Annual	Chloromethane	Annual	<10	<10	ug/l			no	no

Groundwa	ater/Soil monitoring template		Lic No:	W0002-01		Year	2014				
Annual	Ethyl Chloride/Chloroethane	Annual	<10	<10	ug/l			no	no		
Annual	Vinyl Chloride	Annual	<10	<10	ug/l			no			
Annual	Bromomethane	Annual	<10	<10	ug/l			no			
74111441	Bromometriane.	Ailluai	<10	<10	ч,						
Annual	Trichloromonofluoromethane	Annual			ug/l			no	no		
Annual	Ethyl Ether/Diethyl Ether	Annual	<10	<10	ug/l			no	no		
Annual	11 Dichloroethene	Annual	<10	<10	ug/l			no	no		
Annual	Iodomethane/Methyl Iodide	Annual	<10	<10	ug/l			no	no		
Annual	Carbon Disulphide	Annual	<10	<10	ug/l				no		
Annual	Allyl Chloride	Annual	<10	<10	ug/l			no			
74111441	Chlormethyl	Aimui	<10	<10	од, .				10		
Annual	Cyanide/Chloroacetonitrile	Annual			ug/l			no	no		
Annual	Propanenitrile	Annual	<10	<10	ug/l			no	no		
Annual	Trans-1,2 Dichloroethene	Annual	<10	<10	ug/l			no	no		
Annual	MtBE	Annual	<10	<10	ug/l			no	no		
Annual	1,1-dichloroethane	Annual	<10	<10	ug/l		30	no	no		
Annual	2,2-dichloropropane	Annual	<10	<10	ug/l			no	no		
Annual	cis-12 Dichloroethene	Annual	<10	<10	ug/l			no	no		
Annual	2-Butanone	Annual	<10	<10	ug/l			no	no		
Annual	Methyl Acrylate	Annual	<10	<10	ug/l			no	no		
Annual	Bromochloromethane	Annual	<10	<10	ug/l			no	no		
Annual	Methacrylonitrile	Annual	<10	<10	ug/l			no	no		
Annual	1,1,1-trichloroethane	Annual	<10	<10	ug/l		500	no	no		
Annual	1-Chlorobutane	Annual	<10	<10	ug/l			no	no		
Annual	Carbon Tetrachloride	Annual	<10	<10	ug/l			no	no		
Annual	11 Dichloropropene	Annual	<10	<10	ug/l			no	no		
Annual	1,2 dicloroethane	Annual	<10	<10	ug/l			no	no		
Annual	1,2-dichloropropane	Annual	<10	<10	ug/l			no	no		
Annual	Dibromomethane	Annual	<10	<10	ug/l			no	no		
Annual	Methyl Methacrylate	Annual	<10	<10	ug/l			no	no		
Annual	13 Dichloropropene, cis	Annual	<10	<10	ug/l			no	no		
Annual	MIDI/A Manhail 2 Danahari		<10	<10				no			
Annual	MIBK/4 Methyl 2 Pentanone 13 Dichloropropene,trans	Annual Annual	<10	<10	ug/l				no		
Annual	Ethyl Methacrylate		<10		ug/l ug/l			no			
Annual	112 Trichloroethane	Annual	<10	<10	ug/l			no			
Annual	1,3-dichloropropane	Annual Annual	<10	<10					no		
Annual	1,3-dichioropropane 2-Hexanone	Annual	<10	<10	ug/l ug/l				no		
Annual	1,2-dibromoethane		<10	<10	ug/l						
Annual	1,2-dibromoetnane Chlorobenzene	Annual Annual	<10		ug/l						
Annual	1,1,1,2-tetrachloroethane		<10	<10	ug/I		1	no			
Annual	Ethylbenzene	Annual	<10	<10	ug/l						
Annual	Xylene P&M	Annual Annual	<10	<10			10		no		
Annual	Styrene		<10	<10	ug/l ug/l						
Annual	Isopropylbenzene	Annual	<10		ug/l						
Annual	Bromobenzene	Annual	<10	<10							
Annual	1,1,2,2-tetrachloroethane	Annual	<10	<10	ug/l ug/l			no no			
Annual	1,2,3-trichloropropane	Annual	<10	<10	ug/l			no			
Ailliudi	1,2,3-tricinoropropane	Annual	<10	<10	ug/i			no	10		
Annual	Trans 14 Dichloro 2 Butene, tran	Annual			ug/l			no	no		
Annual	Propylbenzene	Annual	<10	<10	ug/l			no	no		

oundw	ater/Soil m	onitoring template			Lic No:	W0002-01		Year	2014		
Annual		2-chlorotoluene		Annual	<10	<10	ug/l			no	no
Annual		4-chlorotoluene		Annual	<10	<10	ug/l				no
Annual		1,3,5-trimethylbenzene		Annual	<10		ug/l				no
Annual		Tert Butyl Benzene		Annual	<10		ug/l				no
Annual		1,2,4-trimethylbenzene		Annual	<10		ug/l				no
Annual		sec-butylbenzene		Annual	<10		ug/l			no	
Annual		P Isopropyltoluene		Annual	<10		ug/l				no
Annual		N Butyl Benzene		Annual	<10		ug/l				no
Alliludi		N Butyl Belizelle		Annuai	<10		ug/i			110	110
Annual		1,2-dibromo-3-chloropropane		Annual	120	120	ug/l			no	no
Annual		1,2,3-trichlorobenzene		Annual	<10	<10	ug/l			no	no
					7.1	7					Upward trend in
											pollutant
											concentration over last
											5 years of monitoring
Quarterly	99 1D	рН	Meter	Quarterly					9.5	no	data
Quarterly		Temp	Meter	Quarterly	13.5	9			25		no
Quarterly		Elec.Conductivity	Meter	Quarterly	404	306			1000		no
,		Chlorides	titration	Quarterly	15.23	14.26	mg/l		250		no
Quarterly		Ammoniacal Nitorgen	ISE	Quarterly	1.53	0.54	mg/l		250		no
Annual		Iron		Annual	15.1		ug/l		0.2		no
Annual		TON		Annual	0.78		mg/l		No abnormal change		no
Quarterly		TOC	HACH	Quarterly	4.4	2	mg/l		No abilorniai change		no
Annual		Cadmium	HACH	Annual	<20		ug/l		0.005		no
Annual		Chromium (total)		Annual	<20		ug/l		0.003		no
Annual		Copper			<20		ug/l				no
Annual				Annual	97				0.03		no
		Cyanide (Total)		Annual	<20		ug/l		0.01		
Annual Annual		Lead		Annual	6.64		ug/l		0.01		no
-		Mangnesium		Annual	2609		mg/l		50		no
Annual		Manganese		Annual	<1		ug/l		0.05		no
Annual		Mercury		Annual	<20		ug/l		0.001		no
Annual		Nickle		Annual	1.01		ug/l		0.02		no
Annual		Potassium		Annual	<2.5		mg/l		5		no
Annual		Sulphate		Annual	286.03	286.03	mg/l		200		no
Annual		Total Alkalinity		Annual	1.07		mg/l				no
Annual		Total Phosphorus		Annual	1.07	1.07	mg/l		-		no
Annual		Phenols		Annual	<10		ug/l		0.5		no
Annual		Acenaphthylene		Annual	<10		ug/l		-		no
Annual		Anthracene		Annual			ug/l				no
Annual		Benzene		Annual	<10		ug/l		1		no
Annual		Bromodichloromethane		Annual	<10		ug/l			no	
Annual		Bromoform		Annual	<10		ug/l				no
Annual		Chloroform		Annual	<10		ug/l		12		no
Annual		Chrysene		Annual	<10		ug/l				no
Annual		Dibromochloromethane		Annual	<10		ug/l			no	no
Annual		Fluoranthene		Annual	<10		ug/l				no
Annual		Fluorene		Annual	<10		ug/l			no	no
Annual		Naphthalene		Annual	<10		ug/l			no	no
Annual		Dibromochloromethane		Annual	<10		ug/l			no	no
Annual		Pentachlorophenol		Annual	<10	<10	ug/l		2	no	no
Annual		Phenanthrene		Annual	<10	<10	ug/l			no	

Groundw	ater/Soil monitoring template		Lic No:	W0002-01		Year	2014		
Annual	Pyrene	Annual	<10	<10	ug/l			no	no
Annual	Tetrachloroethene	Annual	<10	<10	ug/l			no	no
Annual	Trichloroethene	Annual	<10	<10	ug/l			no	no
Annual	Hexachlorobenzene	Annual	<10	<10	ug/l		0.03	no	no
Annual	Hexachlorobutadiene	Annual	<10	<10	ug/l		0.1	no	no
Annual	2,4,6-Trichlorophenol	Annual	<10	<10	ug/l			no	no
Annual	2,4-Dichlorophenol	Annual	<10	<10	ug/l			no	no
Annual	2,4-Dimethylphenol	Annual	<10	<10	ug/l			no	no
Annual	2-Chlorophenol	Annual	<10	<10	ug/l			no	no
Annual	1,2,4-trichlorobenzene	Annual	<10	<10	ug/l			no	no
Annual	1,2-dichlorobenzene	Annual	<10	<10	ug/l			no	no
Annual	1,3-dichlorobenzene	Annual	<10	<10	ug/l			no	no
Annual	1,4-dichlorobenzene	Annual	<10	<10	ug/l			no	no
Annual	2,4,5-Trichlorophenol	Annual	<10	<10	ug/l			no	no
Annual	2,4-Dinitrotoluene	Annual	<10	<10	ug/l	l i		no	no
Annual	2,6-Dinitrotoluene	Annual	<10	<10	ug/l			no	no
Annual	2-Chloronaphthalene	Annual	<10	<10	ug/l			no	no
Annual	2-Methylnaphthalene	Annual	<10	<10	ug/l			no	no
Annual	2-Methylphenol	Annual	<10	<10	ug/l			no	no
Annual	2-Nitrophenol	Annual	<10	<10	ug/l			no	no
Annual	4-Bromophenyl Phenyl Ether	Annual	<10	<10	ug/l			no	no
Annual	4-Chloro-3-methylphenol	Annual	<10	<10	ug/l			no	no
Annual	4-Chlorophenyl phenyl ether	Annual	<10	<10	ug/l			no	no
Annual	4-Nitrophenol	Annual	<10	<10	-8/			no	no
Annual	Acenaphthene	Annual	<10	<10	-8/			no	no
Annual	Benzo(a)anthracene	Annual	<10	<10	ug/l			no	no
Annual	Benzo(a)pyrene	Annual	<10	<10	ug/l			no	no
Annual	Benzo(b)fluoranthene	Annual	<10	<10	u _B /.			no	no
Annual	Benzo(g,h,i)perylene	Annual	<10	<10	-8/			no	no
Annual	Benzyl Butyl Phthalate	Annual	<10	<10	ug/l			no	no
Annual	Bis(2-chloroethoxy)methane	Annual	<10	<10	ug/l			no	no
Annual	Bis(2-chloroethyl)ether	Annual	<10	<10	- 07			no	no
Annual	Bis(2-chloroisopropyl)ether	Annual	<10	<10	-8/			no	
Annual	Bis(2-ethylhexyl)phthalate	Annual	<10	<10	ug/l			no	
Annual	Dibenz(a,h)anthracene	Annual	<10	<10	ug/l			no	no
Annual	Dibenzofuran	Annual	<10	<10	ug/l			no	
Annual	Diethylphthalate	Annual	<10	<10	ug/l			no	no
Annual	di-n-Butylphthalate	Annual	<10	<10	ug/l			no	no
Annual	Di-n-octylphthalate	Annual	<10	<10	ug/l			no	no
Annual	Diphenylamine	Annual	<10	<10	ug/l			no	no
Annual	Hexachloroethane	Annual	<10	<10	ug/l			no	no
Annual	Indeno(1,2,3-c,d)pyrene	Annual	<10	<10	ug/l			no	no
Annual	Isophorone	Annual	<10	<10	ug/l			no	
Annual	Nitrobenzene	Annual		<10	ug/l			no	no
Annual	n-Nitrosodi-n-propylamine	Annual	<10	<10	ug/l			no	no
Annual	Acetone	Annual	<10	<10	ug/l			no	no
Annual	Dichloromethane	Annual	<10	<10	ug/l			no	no
Annual	Tetrahydrofuran	Annual	<10	<10	ug/l			no	no
Annual	Toluene	Annual	<10	<10	ug/l		10	no	no

Groundw	ater/Soil monitoring template		Lic No:	W0002-01		Year 201	4	
Annual	Xylene -o	Annual	<10	<10	ug/l		10 no	no
Annual	Dichlorodifluoromethane	Annual	<10	<10	ug/l			no
Annual	Chloromethane	Annual	<10	<10	ug/l			no
			<10	<10				
Annual	Ethyl Chloride/Chloroethane	Annual			ug/l			no
Annual	Vinyl Chloride	Annual	<10	<10	ug/l			no
Annual	Bromomethane	Annual	<10	<10	ug/l		no	no
Annual	Trichloromonofluoromethane	Annual	<10	<10	ug/l		no	no
Annual	Ethyl Ether/Diethyl Ether	Annual	<10	<10	ug/l			no
Annual	11 Dichloroethene	Annual	<10	<10	ug/l			no
			<10	<10	<u> </u>			
Annual	Iodomethane/Methyl Iodide	Annual			ug/l		no	no
Annual	Carbon Disulphide	Annual	<10	<10	ug/l			no
Annual	Allyl Chloride	Annual	<10	<10	ug/l		no	no
Annual	Chlormethyl Cyanide/Chloroacetonitrile	Annual	<10	<10	ug/l		no	no
Annual	Propanenitrile	Annual	<10	<10	ug/l			no
Annual	Trans-1,2 Dichloroethene	Annual	<10	<10	ug/l			no
Annual	MtBE	Annual	<10	<10	ug/l			no
Annual	1,1-dichloroethane	Annual	<10	<10	ug/l			no
Annual	2,2-dichloropropane	Annual	<10	<10	ug/l			no
Annual	cis-12 Dichloroethene	Annual	<10	<10	ug/l			no
Annual	2-Butanone	Annual	<10	<10	ug/l			no
Annual	Methyl Acrylate	Annual	<10	<10	ug/l			no
Annual	Bromochloromethane	Annual	<10	<10	ug/l			no
Annual	Methacrylonitrile	Annual	<10	<10	ug/l			no
Annual	1,1,1-trichloroethane	Annual	<10	<10	ug/l			no
Annual	1-Chlorobutane	Annual	<10	<10	ug/l			no
Annual	Carbon Tetrachloride	Annual	<10	<10	ug/l			no
Annual	11 Dichloropropene	Annual	<10	<10	ug/l			no
Annual	1,2 dicloroethane	Annual	<10	<10	ug/l			no
Annual	1,2-dichloropropane	Annual	<10	<10	ug/l			no
Annual	Dibromomethane	Annual	<10	<10	ug/l			no
Annual	Methyl Methacrylate	Annual	<10	<10	ug/l			no
Annual	13 Dichloropropene,cis	Annual	<10	<10	ug/l			no
		74	<10	<10	-87			
Annual	MIBK/4 Methyl 2 Pentanone	Annual			ug/l		no	no
Annual	13 Dichloropropene,trans	Annual	<10	<10	ug/l		no	no
Annual	Ethyl Methacrylate	Annual	<10	<10	ug/l		no	no
Annual	112 Trichloroethane	Annual	<10	<10	ug/l		no	
Annual	1,3-dichloropropane	Annual	<10	<10	ug/l		no	no
Annual	2-Hexanone	Annual	<10	<10	ug/l		no	no
Annual	1,2-dibromoethane	Annual	<10	<10	ug/l		no	no
Annual	Chlorobenzene	Annual	<10	<10	ug/l		1 no	no
Annual	1,1,1,2-tetrachloroethane	Annual	<10	<10	ug/l		no	no
Annual	Ethylbenzene	Annual	<10	<10	ug/l		10 no	no
Annual	Xylene P&M	Annual	<10	<10	ug/l		no	no
Annual	Styrene	Annual	<10	<10	ug/l		no	no
Annual	Isopropylbenzene	Annual	<10	<10	ug/l		no	no
Annual	Bromobenzene	Annual	<10	<10	ug/l		no	no
Annual	1,1,2,2-tetrachloroethane	Annual	<10	<10	ug/l		no	no
Annual	1,2,3-trichloropropane	Annual	<10	<10	ug/l		no	no

oundwater/	Soil monitoring template		Lic No:	W0002-01		Year	2014	
				<10	10			
Annual	Trans 14 Dichloro 2 Butene, tran		Annual		ug/		no	no
Annual	Propylbenzene	,	Annual	<10	10 ug/	I	no	no
Annual	2-chlorotoluene		Annual	<10 <	10 ug/	ı	no	no
Annual	4-chlorotoluene		Annual	<10 <	10 ug/	ı	no	no
Annual	1,3,5-trimethylbenzene		Annual	<10 <	10 ug/	ı	no	no
Annual	Tert Butyl Benzene		Annual	<10 <	10 ug/	ı	no	no
Annual	1,2,4-trimethylbenzene		Annual	<10 <	10 ug/	ı	no	no
Annual	sec-butylbenzene		Annual	<10 <	10 ug/	ı	no	no
Annual	P Isopropyltoluene		Annual	<10 <	10 ug/	ı	no	no
Annual	N Butyl Benzene		Annual	<10 <	10 ug/		no	no
				<10 <	10			
Annual	1,2-dibromo-3-chloropropane	4	Annual		ug/		no	no
Annual	1,2,3-trichlorobenzene		Annual	<10 <	10 ug/	ı	no	no

bease note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.

**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)

Surface Groundwater (private supply)
water EQS regulations GTV's standards

Table 3: Soil results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit
				3 4 14 19			SELECT
							SELECT

Interim Guideline

Values (IGV)

Environmental Liabilities template Lic No: W0002-01 Year 2014

Click here to access EPA guidance on Environmental Liabilities and Financial provision

			Commentary
1	ELRA initial agreement status		
		SELECT	
2	ELRA review status	SELECT	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	
4	Financial Provision for ELRA status	SELECT	
5	Financial Provision for ELRA - amount of cover	Specify	
_	51 11D 11 6 51D	051.505	
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	SELECT	
9	Closure plan review status	SELECT	
10	Financial Provision for Closure status	SELECT	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	SELECT	
13	Financial provision for Closure expiry date	Enter expiry date	

	Environmental Management Programme/Continuous Improvement Programme	template	Lic No:	W0002-01	Year	2014
	Highlighted cells contain dropdown menu click to view		Additional Information		_	
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	No		n/a		
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	SELECT				
	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance					
3	with the licence requirements	SELECT				
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	SELECT				

Environmental Management Programme	(EMP) report				
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT

	N	loise monitor	ing summary	report			Lic No:	W0002-01	Year	2014	
	•	ce requirement fo	•	?				No]		
	•	l out using the EP.		•	•	the	Noise Guidance note NG4	SELECT			
	"Checklist for noise measurement report" included in the guidance note as table 6? note Does your site have a noise reduction plan						SELECT				
•		n plan last update	ed?								
5 Have there b	een changes rel	evant to site noise	e emissions (e.g. survey?	plant or ope	rational cha	nges) since t	he last noise	SELECT			
Table N1: No	ise monitoring s	ummary									
Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
								SELECT	SELECT		SELECT
	1	+									
*Please ensure tha	at a tonal analysis has	been carried out as per	guidance note NG4. The	ese records must	be maintained o	nsite for future in	spection				
										SELECT	

	Ī
** please explain the reason for not taking action/resolution of noise issues?	
Any additional comments? (less than 200 words)	
Any additional comments? (less than 200 words)	

Resource Usage/Energy efficiency summary	Lic No:	W0002-01	Year	2014	

1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below

Network (LIEN)

Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information

Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in

additional information

SELECT	
SELECT	

Additional information

Table R1 Energy usag	e on site		
Energy Use	Previous year	Current year	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)			
Total Energy Generated (MWHrs)			
Total Renewable Energy Generated (N	/IWHrs)		
Electricity Consumption (MWHrs)			
Fossil Fuels Consumption:			
Heavy Fuel Oil (m3)			
Light Fuel Oil (m3)			
Natural gas (CMN)			
Coal/Solid fuel (metric tonnes)			
Peat (metric tonnes)			
Renewable Biomass			
Renewable energy generated on site			

^{*} where consumption of energy can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

Table R2 Water usage	e on site				Water Emissions	Water Consumption	
	Water extracted			consumption if it	Volume Discharged	Volume used i.e not discharged to environment e.g. released as steam	
Water use	Previous year m3/yr.	Current year m3/yr.	year**	production*	environment(m ³ yr):	m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply							
Recycled water							
Total							

^{*} where consumption of water can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

^{**} where site production information is available please enter percentage increase or decrease compared to previous year

Table R3 Waste Stream	n Summary				
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					

Resource Usage/Energy efficiency summary Lic No: W0002-01 Year 2014 Table R4: Energy Audit finding recommendations Description of Predicted energy Status and Measures proposed Origin of measures savings % Date of audit Recommendations Implementation date Responsibility Completion date comments SELECT SELECT SELECT

Table R5: Power Generation: Where power is		

	Unit ID	Unit ID	Unit ID	Unit ID	Station Total
Technology					
Primary Fuel					
Thermal Efficiency					
Unit Date of Commission					
Total Starts for year					
Total Running Time					
Total Electricity Generated (GWH)					
House Load (GWH)					
KWH per Litre of Process Water					
KWH per Litre of Total Water used on	Site				

Complaints and	Incidents summary templa	te			Lic No:	W0002-01		Year	2014	4		I		
		Complaints	•									_		
					Additional inform	ation								
Have you received a	ny environmental complaints in the	current reporting year? If yes	please complete summary											
	details of complaints rece	ived on site in table 1 below		no]								
Table :	1 Complaints summary													
	,		Brief description of					7						
İ			complaint (Free txt <20	Corrective action< 20			Further							
Date	Category	Other type (please specify)	words)	words	Resolution status	Resolution date	information							
	SELECT				SELECT									
	SELECT				SELECT									
	SELECT				SELECT									
i	SELECT				SELECT			_						
	SELECT				SELECT			_						
Total complaints														
open at start of	1													
reporting year	1				0									
Total new														
complaints														
received during														
reporting year					0									
Total complaints														
closed during														
reporting year					0									
Balance of														
complaints end of														
reporting year					0									
		Incidents				1								
		incidents			Additional inform	」 ation								
Have any incidents	occurred on site in the current repo	orting year? Please list all incid	ents for current reporting		, additional infollin	1								
nave any melacines		ble 2 below	ents for current reporting	SELECT										
	,		7			_								
**														
	on on how to report and what estitutes an incident	What is an incident												
CON	istitutes an incident	What is an incluent	_											
Table 2 Incidents sur	mmary		7											
			1			Other	Activity in				Preventativ	re	re	re l
	1		Incident category*please			cause(please	progress at	1	1	Corrective action<20	action <20			
Date of occurrence	Incident nature	Location of occurrence	refer to guidance	Receptor	Cause of incident			Communication	Occurrence	words	words			Resolution status date
or occurrence	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT				SELECT	
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT				SELECT	
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT				SELECT	
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT				SELECT	
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT				SELECT	
Total number of				•				•			•			
incidents current	1													
year	1													
Total number of														

incidents previous year % reduction/ increase

accepted numeration are find for your size (total onese). The filter personal state of the foliation of this operation are find out of this operation of thi	ACTE CLIPARA	av .											
TION E- WANTE ACCEPTED DATO DITE TO the COMMERTOD BY ALL IPPIC AND WANTE FACULTIES ABSOLUTE SECURITY CONTROL TO BE COMMERTOD BY ALL IPPIC AND WANTE FACULTIES ABSOLUTE SECURITY CONTROL TO BE COMMERTED BY ALL IPPIC AND WANTE FACULTIES Was seath or recovery of deposed of the advanced or other incomments of deposed of the advanced or other incomments of the passes plea about of special advanced or other incomments of the passes plea about of special advanced or other incomments of the passes plea about of special advanced or other incomments of the passes plea about of special advanced or other incomments of the passes plea about of special advanced or other incomments of the passes plea about of special advanced or other incomments of the passes plea about of special advanced or other incomments of the passes plea about of special advanced or other incomments of the passes plea about of special advanced or other incomments of the passes plea about of special advanced or other incomments of the passes plea about of special advanced or other incomments of the passes plea about of special advanced or other incomments of the passes plea about of special advanced or other incomments of the passes pleased or other incomments of the passes pleased or other incomments of the passes pleased or other incomments of the passes pleased or other incomments o			T AND WASTE TO ANGEED	C TAD TO DE COMPLI	ETED DV ALL IDDG AL								
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Are 1D Into Confession of Texas and approaching to a substant the surrent reporting year? Fig. pp places give a brief regularization in the additional information.								Additional Information	on T				
TON CTO BE COMPLETED BY ALL WASTE FACUTIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFUL SITES TON CTO BE COMPLETED BY ALL WASTE FACUTIES (waste transfer stations, Composters, Material recovery facilities etc) Except and inspect on the sign approach by the Agency in place? If no place is a waste processing infrastructure as required by your fixence and approved by the Agency in place? If no place is a waste processing infrastructure as required by your fixence and approved by the Agency in place? If no place is a waste processing infrastructure as required by your fixence and approved by the Agency in place? If no place is a waste processing infrastructure as required by your fixence and approved by the Agency in place? If no place is to waste processing infrastructure as required by your fixence and approved by the Agency in place? If no place is to waste processing infrastructure as required by your fixence and approved by the Agency in place? If no place is to waste processing infrastructure as required by your fixence and approved by the Agency in place? If no place is to waste processing infrastructure as required by your fixence and approved by the Agency in place? If no place is to waste processing infrastructure as required by your fixence and approved by the Agency in place? If no place is waste processing infrastructure required consists. **Waste type and tomospec-landfill only** **Beginning** **Be			sposal or treatment prior to reco	very or disposal within the l	boundaries of your facility	?; (waste generated within your							
The first law early rejected coregonests of vaste in the current reporting year? If yes please gave a first explaination in the solitional information. Was waste accepted onto your site that was generated outset the Republic of redord? If yes please state the quantity in torse is additional information. Was waste accepted onto your site that was generated outset the Republic of redord? If yes please state the quantity in torse is additional information. Was waste accepted onto your site that was generated outset the Republic of redord? If yes please state the quantity in torse is additional information. Was waste accepted onto your site that was generated outset the Republic of redord? If yes please state the quantity in torse is additional information. Certifician state of the Republic of International Certifician state of the Republic of International Certifician state of the Republic of International Certifician state of the Republic of International Certifician state of the Republic of International Certifician state of the Republic of International Certifician state of the Republic of International Certifician state of the Republic of International Certifician state of the Republic of International Certifician State of International Certifician S							no						
Was waste accepted onto your site that was generated outside the Republic of instanct of prescribed prescribed in the Republic of instanct of prescribed prescribed in the Republic of instanct of the Republic of the Republic of the Republic of the Republic of the Republic of the Republic of the Republic of the Republic of the Republic of the Republic of the Republic of the Republic of the Rep	s please enter deta	ails in table 1 below						I	7				
Was waste accepted onto your site that was generated outside the Republic of instanct of prescribed prescribed in the Republic of instanct of prescribed prescribed in the Republic of instanct of the Republic of the Republic of the Republic of the Republic of the Republic of the Republic of the Republic of the Republic of the Republic of the Republic of the Republic of the Republic of the Rep	vour site have anv	rejected consignments of waste in th	ne current reporting year? If yes p	lease give a brief explanation	on in the additional inforn	nation	no						
Set Details of watte accepted onto your site for recovery, disposal or treatment (do not include wastes generated by PWC code FWC code	,	,	7										
Set Details of watte accepted onto your site for recovery, disposal or treatment (do not include wastes generated by PWC code FWC code	Was wa	aste accepted onto your site that was	s generated outside the Republic	of Ireland? If yes please star	te the quantity in tonnes i	n additional information	no						
Source of wasted accepted of great price of the poor o							ur site. as th	ese will have b	een reported in v	our PRTR workbook)			
Processor and extending connection and connection and extending description which controlled the confidence of the controlled controlled the confidence of the controlled controlled the c	Licenced annual	EWC code		Description of waste	Quantity of waste	Quantity of waste accepted in		Reason for	Packaging Content (%)-	Disposal/Recovery or	Quantity of	Comments -	Ī
accurate and Marke Calabagea NUC. Licenses in Marke Licenses Lice		1				previous reporting year (tonnes)							
bursoes Waste Catalogue IWC. Codes					reporting year (tonnes)								
Catalogue EMC Code Code	cs, a.mumj						., - /0	reporting year	component	or and operation			
Area 1D Date laadfilling commenced Date laadfilling comm											year (tonnes)		ı
aste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required on site SELECT SELECT		codes		Catalogue EWC codes									ı
aste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required on site SELECT SELEC													_
aste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite SELECT SELECT												+	4
waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite SELECT SELECT													٦
aste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required on site SELECT SELEC													╝
SELECT SELECT							SELECT						
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le 2 Waste type and tonnage-landfill only Let types permitted for disposal in for disposal (tpa) Actual intake for disposal in reporting year (tpa) Remaining licensed capacity at end of reporting year (ms) For disposal (tpa) Date landfilling commenced Date landfilling ceased Currently landfilling Private or Public Operated Department of the private or Public Operated Date landfilling commenced Date landfilling commenced Date landfilling ceased Currently landfilling larea occupied by waste SELECT UNIT				-							•		
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SELECT UNIT SELECT UNIT	Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling		Inert or non-hazardous	to cease				area occupied by	area occupied by	
							landfilling				SELECT UNIT	SELECT UNIT	

WASTE SUMMARY	Lic No:	W0002-01	Year	2014

Table 4 Environmental monitoring-landfill onl Landfill Manual-Monitoring Standards

Tubic 4 Livinoillic	man monitoring landin on	Carioriii ivianuai ivionitoring Star	iuai us					
Was meterological								
monitoring in						Was	Has the statement	
compliance with			Was SW monitored in			topography of	under S53(A)(5) of	
Landfill Directive (LD)	Was leachate monitored in	Was Landfill Gas monitored in	compliance with LD			the site	WMA been	
standard in reporting	compliance with LD standard in	compliance with LD standard in	standard in reporting	Have GW trigger levels	Were emission limit values agreed with	surveyed in	submitted in	
year +	reporting year	reporting year	year	been established	the Agency (ELVs)	reporting year	reporting year	Comments

.+ please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

Table 5 Capping-Landfill only

Tubic o capping La						
				Area with waste that		
Area uncapped*	Area with temporary cap			should be permanently		
SELECT UNIT	SELECT UNIT	Area with final cap to LD		capped to date under		
SELECT CIVIT	SELECT CIVI	Standard m2 ha, a	Area capped other	licence	What materials are used in the cap	Comments

*please note this includes daily cover area

Table 6 Leachate-Landfill only

9 Is leachate from your site treated in a Waste Water Treatment Plant?

10 Is leachate released to surface water? If yes please complete leachate mass load information below

SELECT SELECT

						Specify type of	
Volume of leachate in	Leachate (BOD) mass load	Leachate (COD) mass load	Leachate (NH4) mass	Leachate (Chloride)		leachate	
reporting year(m3)	(kg/annum)	(kg/annum)	load (kg/annum)	mass load kg/annum	Leachate treatment on-site	treatment	Comments

Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns

Table 7 Landfill Gas-Landfill only

	J 201101111 01111			
			Was surface emissions monitoring performed	
Gas Captured&Treated			during the reporting	
by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	year?	Comments
			SELECT	