

# ANNUAL ENVIRONMENTAL REPORT

Year End December 2014

## Dunmore Recycling & Waste Disposal Centre Dunmore County Kilkenny

Waste Licence Register Number

W0030-02



**Kilkenny County Council**  
County Hall  
John Street  
Kilkenny



Telephone – (056)7794470  
[environment@kilkennycoco.ie](mailto:environment@kilkennycoco.ie)

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## **1. Introduction**

Kilkenny County Council's Landfill Site at Dunmore received its first Waste Licence (30/1) from the Environmental Protection Agency on the 23<sup>rd</sup> November 1999. In March 2001 an application was made to review this Licence, to incorporate an enhanced entrance, better infrastructural features and a further four cells. The EPA granted the review of the licence in May 2002 register no. 30/2. The reporting period for this Annual Environmental Report is from 01/01/14 to the 31/12/14.

Dunmore landfill site reached its full capacity in mid March 2010 and ceased operation. Capping works commenced in September 2010 and were completed by December 2010 with the exception of top soiling and seeding which were completed in March/ April 2011.

## **2. Waste Acceptance**

### **2.1 Waste Activities**

Since the landfill closure waste from households and small commercial businesses is presented at the Recycling & Waste Disposal Centre where it is packed into 35cy skips and then taken off site by Greenstar to their waste facility in Kilkenny City.

Waste is categorised as Mixed Municipal Waste (Wet Waste) and Dry Bulk Waste (C&I Waste), Food Waste, Green Waste (garden waste for composting) and Recycling.

### **2.2 Recycling**

Many recycling streams are catered for at Dunmore such as:

- Mixed Paper



- Newsprint
- Cardboard
- Glass (Brown, Green, Clear)
- Batteries (Primary, Lead Acid, fence batteries)
- White Goods
- Household Hazardous waste
- Waste Oils/filters
- Steel/Aluminium Cans
- Mixed Metal
- Textiles
- Tetra Pack
- Plastics
- Reading Books/Magazines

All the above recycling streams with the exception of glass & aluminium cans (Glasco) and WEEE (WEEE Ireland) are taken off site by Greenstar who are contracted under a regional contract to service the facility.

In 2014 Dunmore Recycling and Waste Disposal Centre was awarded the Repak Civic Amenity/Recycling Centre of the Year Award having been shortlisted the previous two years.

### **2.3 Green Waste**

In 2012 approval was given by the EPA to use one of the Waste Quarantine areas as a Green Waste collection point. This area holds approx. 15 – 20 tonnes of green waste i.e. grass, hedge clipping, plants, leaves etc. 2014 saw an increase in the quantity of green waste accepted at the site with 140 Tonnes in 2013 and 294 Tonnes in 2014.

### **2.4 Quantity and Composition**

The quantities of the various waste streams accepted at Dunmore in 2014 and the categorised breakdown can be found in Appendix A.



## **2.5 Deposition Methods**

Waste presented at Dunmore Recycling and waste disposal centre for disposal is handled in the following ways: -

Waste brought to the site by householders, contractors, or small businesses is placed by them in the compactor skips located in the recycling and waste disposal centre. When this container is full, it is collected, weighed and transported by Greenstar to their facility in Kilkenny City for pre-treatment and disposal. All recyclables brought to the site are directed to the appropriate location and are placed in the appropriate receptacle for temporary storage on site. As soon as these receptacles are full, site staff arrange for the removal of the material to an authorised materials recycling facility. Greenstar (paper, plastic, cardboard, metal, tetra pak). KMK (all WEEE on behalf of WEEE Ireland). Enva (Hazardous, oils and oil filters).

## **3. Environmental Monitoring**

### **3.1 Landfill Gas**

Landfill gas migration results are submitted to the Agency every six months. Results for 2014 are available in Appendix B. All gas wells on the site are harnessed and the gas extracted and flared thus reducing the landfills contribution to ozone depleting gases by 90%, and also reduces landfill gas odours. No complaints relating to odour have been made since capping was completed in 2010

### **3.2 Surface Emissions Survey**

Kilkenny Co. Council commissioned Odour Monitoring Ireland to perform a landfill gas surface emissions survey of Dunmore Landfill Facility W0030-02, in order to ascertain any likely sources of landfill gas surface emissions from the closed landfill. The survey was carried out on the 18<sup>th</sup> Oct. 2012.



During the surface emissions survey the following tasks were performed on site:

1. Identification of the key mechanisms that lead to the release of landfill gas surface emissions from the site.
2. Identify geographically on a site map, the locations of landfill gas surface emissions in order to perform remediation of the identified emissions areas.

The following conclusions were drawn from the survey.

- There were no surface emissions zones greater than or equal to 50 ppm averaged over the capped area.

### **3.3 Surface Water, Groundwater and Leachate**

**Surface Water:** - Surface water is analysed quarterly and the results are submitted to the Agency. There were no surface water parameter trigger levels reached in 2013.

**Groundwater:** - Groundwater well quality is tested quarterly, and results are submitted to the Agency as set out in condition 9.1 and schedule F of the licence. Results throughout the year have shown no adverse effects to the ground water as a result of landfilling in the area, and a sample is available in Appendix C.

**Leachate:** - The composition of leachate is tested at leachate manholes and holding lagoons quarterly and results are submitted to the Agency as set out in condition 9.1 and schedule F of the licence. There were no Leachate parameter trigger levels reached in 2013.

### **3.4 Dust monitoring**

**Dust Monitoring:** - Dust Monitoring takes place three times a year and the results are submitted to the Agency. There were no exceedences of the 350mg/m<sup>2</sup>/day trigger



level in 2014. The results are shown in Appendix C:

## **4. Site Infrastructure and Development**

### **4.1 Resource and Energy Consumption**

**4.1.1 Diesel Fuel:** -The amount of fuel used on site in 2014 was approximately 400 litres, which has been used in the site forklift.

**4.1.2 Electricity:** -. Electricity is used in the following buildings; weighbridge office, main offices and recycling centre office. It is also used to operate the weighbridge computer, pumps, lights, and heating, CCTV cameras etc. A three phase supply was installed to meet the demands of the revised licence and supply the recycling centre, gas flare, pumps, SCADA system and extended office.

### **4.2 Development Works**

#### **4.2.1. Development Works over the Reporting Period**

Over the reporting period the following development works have been carried out at the facility:

- No development works were carried out over the reporting period due to financial constraints.

#### **4.2.2 Proposed Development Works**

It is proposed to carry out the following developments at Dunmore in the year 2014.

- Future works will be prioritised by necessity but will have to fall within a tight financial budget.





### **4.3 Leachate Lagoon Integrity Tests**

In respect of Condition 5.12.2, an integrity test on the leachate-holding lagoons was carried out. The objective of this survey was to determine the presence of defects within the lined containment area.

‘Geomembrane Testing Services Limited’, carried out an integrity test on the leachate holding lagoon which was submitted to the Agency in October 2012. This test is carried out using a Mobile Electrical Leak Location Survey (MELLS). The basic principle of MELLS involves impressing a high voltage DC supply across the geomembrane. The liner acts an electrical insulator between the cover material and the natural ground, and a uniformly potential field is distributed across the liner. If holes are present the current is channelled through the defects and the potential field is disturbed in these areas.

It was found that ‘the geomembrane liner was free of defects at the time of final inspection’. Detailed results of this integrity test were submitted to the agency in 2012. Testing will take place again in 2016

### **4.4 Site Survey**

The site topographical and slope stability survey is completed annually. These surveys are submitted to the Agency under condition 8.8.1 and 8.10.1. The Last topographical survey was carried out in Jan 2014 and was submitted to the Agency with the slope stability report in Q1 of 2014.

## **5. Procedures**

### ***5.1 Emergency Response Procedure***



Following an assessment of risk at the site in Dunmore, as part of our ongoing safety audits, procedures were put in place to deal with any emergency that may arise at the site.

The main risks identified at the site are explosion, fire, oil/leachate spillage and injury to persons. A tabled procedure and list of emergency contact details can be found in Appendix I.

## 6. Nuisance Control

**6.1 Vermin Control:** - 'Pestkill-Pest Control Services' visit the site on a monthly basis, to place bait for vermin control at the site. There are 12 no. specific and labelled locations at and surrounding the site where bait is placed in custom made boxes. Pestkill inspects these monitoring points monthly to see if the bait was taken or rodent activity if any are noted and bait is re-stocked if necessary. Monthly record sheets of the findings at the site are logged and kept on site..

**6.2 Fly Control:** - 'Pestkill-Pest Control Services' are also used if needed, for fly and wasp control in late Spring, Summer and early Autumn, and at other times if necessary.

## 7. Incidents and Complaints

### 7.1 Incident Reports

No incidents or complaints took place at Dunmore during the reporting period.



## **8. Staffing**

### **8.1 Staffing Structure**

Kilkenny County Council own and manage the landfill and recycling centre at Dunmore. The County Council with Philip O'Neill as Director of Service and Carol McCarthy as Senior Engineer are presently appointed as the project supervisors for design and construction phase.

The Environment Section manages the facility on behalf of Kilkenny County Council with Carol McCarty BA BAI, MIEI, as Senior Engineer of the Section.

On site Alan Rhatigan is the Facility Manager at the site. The operatives at the site also include a weighbridge operator and 2 C.A.S operators.

The site is open Monday – Friday, 8.00 to 4.30 and on Saturday from 8.00 to 12.00. The phone numbers at the site are 056-7761999 and 056 7767848. Any queries or complaints may be made to the site or to the Environment Section in County Hall (056-7794470). A flow chart outlining the management structure is attached in Appendix G.

## **9. Public Information**

### **9.1 Procedure for Public Consultation**

Dunmore Landfill is established since 1989 and good communication has developed between the site staff and the local community. The site staff in a spirit of good neighbourliness promptly deals with any issues arising locally.

During the development of proposals for an extension to the landfill site at Dunmore, intensive consultation has taken place especially with the immediate neighbours of the site and with other local residents. This consultation process commenced in



November 2000 and was ongoing during the development stage. Arising out of these consultations, Kilkenny County Council had set up a Community Liaison Group.

In 2012 the community fund generated from landfill gate receipts was handed over to the local community. The fund was used to develop the local community hall which was officially opened in 2013.

The full Council are briefed on all waste management issues on a regular basis including developments at Dunmore, pricing structure, staff changes etc. The facility was honoured by the council members at the October council meeting in 2013 in recognition of the excellent service that is provided.

The Strategic Policy Committee on Environment (SPC 3), which comprises of council officials elected representatives and community representatives are briefed on developments at the landfill site and policy decisions are drafted as a result of the meetings.

All environmental monitoring results are held in the Dunmore Landfill, Dunmore, Co. Kilkenny and any member of the public is free to inspect them at any time during normal office hours (08:00 to 16:30 hours). Arrangements can be made to view the information at an alternative location by prior arrangement.

There is a fax and phone located at the site where queries can be made during opening hours i.e. 08:00 to 16:30, or a message can be left on the answering machine and if required will be contacted as soon as the message is received.

## **9.2 Complaints**

A complaints register is located on site and any complaint regarding the operation of the facility is recorded and the action taken to address the complaint/observation. No complaints were received during 2014.



# Appendix A

## Waste & Recycling Quantities

## Waste Quantities 2014

	Weights In				Weights Out			
	Domestic	Commercial	Litter & Street Sweepings	Total	Mixed Municipal Waste	Dry Bulk Waste	Total	
Jan	91.58	7.80	19.10	118.48	201	18.54	219.54	
Feb	65.06	11.50	18.20	94.76	175.4	10.3	185.7	
Mar	90.34	11.98	22.80	125.12	173.08	36.34	209.42	
Apr	102.06	22.02	18.86	142.94	213.73	28.32	242.05	
May	86.54	16.72	26.50	129.76	202.5	10.94	213.44	
Jun	0.00	14.50	22.08	36.58	214.14	14	228.14	
Jul	104.98	20.62	22.80	148.40	216.04	20.04	236.08	
Aug	85.18	22.40	31.38	138.96	191.32	33.14	224.46	
Sep	87.78	10.88	24.24	122.90	168.96	35.9	204.86	
Oct	79.64	14.20	23.70	117.54	162.98	45.22	208.2	
Nov	81.16	12.28	27.10	120.54	150.14	37.64	187.78	
Dec	77.74	13.96	26.02	117.72	185.6	33.08	218.68	
<b>Subtotal</b>	<b>952.06</b>	<b>178.86</b>	<b>282.78</b>	<b>1413.70</b>	<b>2254.89</b>	<b>323.46</b>	<b>2578.35</b>	

The difference between IN and OUT represents the black sacks not weighed, but charged for by the bag.

### Recycling Quantities 2014

	Cardboard	Mixed Paper	Newsprint	Plastic	Metal Cans	Metal	Timber	Lead Acid Batteries	Alkaline Batteries	Textiles	Hazardous	Flourescent tubes	Glass	Mixed WEEE	tetra	Cooking Oil	Mineral Oil	Oil filters	Food waste	Green waste	Total	Total WEEE
Jan	6.02	13.40	2.86	5.56	0.80	4.44	6.62	0.00	0.06	0.60	0.00	0.00	8.10	21.60	0.50	0.00	0.90	0.00	0.00	22.50	93.96	21.60
Feb	3.32	7.70	0.00	3.90	0.40	5.52	5.60	0.00	0.32	1.14	0.00	0.40	3.78	10.64	1.44	0.00	0.00	0.00	0.10	14.76	59.02	10.64
Mar	3.50	12.30	4.69	4.58	0.60	3.94	7.46	0.00	0.24	0.38	0.00	0.20	3.84	12.20	1.04	0.00	0.00	0.00	0.14	26.70	81.81	12.20
Apr	4.36	12.58	1.92	5.20	0.50	10.36	7.32	0.00	0.46	0.54	0.00	0.40	7.18	17.58	0.52	0.40	0.00	0.10	0.32	31.22	100.96	17.58
May	4.24	12.28	2.20	4.50	0.80	4.81	6.68	0.00	0.58	1.78	0.14	0.20	4.46	13.76	0.66	0.00	1.10	0.00	0.18	27.08	85.45	13.76
Jun	4.54	13.04	0.00	6.54	0.60	8.42	9.30	0.50	0.40	1.40	0.04	0.20	7.34	16.10	0.60	0.00	0.00	0.00	0.00	0.00	69.02	16.10
Jul	6.68	20.40	4.00	7.42	0.80	8.78	6.60	0.00	0.38	1.96	0.00	0.00	7.20	24.22	0.58	0.00	0.00	0.00	0.10	27.48	116.60	24.22
Aug	5.68	12.80	2.42	4.54	0.60	6.76	10.40	0.00	0.22	1.12	0.00	0.40	3.04	17.12	0.84	0.00	0.00	0.00	0.12	30.80	96.86	17.12
Sep	4.18	12.52	2.60	4.40	0.80	5.48	6.68	0.00	0.60	1.66	0.20	0.20	6.26	15.30	0.46	0.00	0.00	0.00	0.12	22.34	83.80	15.30
Oct	4.96	11.90	2.10	4.18	0.60	9.38	3.74	0.46	0.20	0.86	0.20	0.10	3.66	18.60	0.48	0.00	0.68	0.10	0.14	30.98	93.32	18.60
Nov	4.58	11.54	2.74	4.26	0.60	10.08	3.06	0.30	0.30	1.56	0.20	0.10	4.04	15.54	0.76	0.34	0.00	0.00	0.24	32.74	92.98	15.54
Dec	4.78	12.34	2.88	4.54	0.82	7.12	10.78	0.30	0.20	1.02	0.00	0.10	6.84	16.50	0.86	0.00	0.60	0.00	0.10	27.24	97.02	16.50
<b>Subtotal</b>	<b>56.84</b>	<b>152.8</b>	<b>28.41</b>	<b>59.62</b>	<b>7.92</b>	<b>85.09</b>	<b>84.24</b>	<b>1.56</b>	<b>3.96</b>	<b>14.02</b>	<b>0.78</b>	<b>2.3</b>	<b>65.74</b>	<b>199.16</b>	<b>8.74</b>	<b>0.74</b>	<b>3.28</b>	<b>0.2</b>	<b>1.56</b>	<b>293.84</b>	<b>1070.8</b>	<b>199.16</b>

Quantities in Tonnes

# **Appendix B**

Gas Monitoring

&

Gas Migration

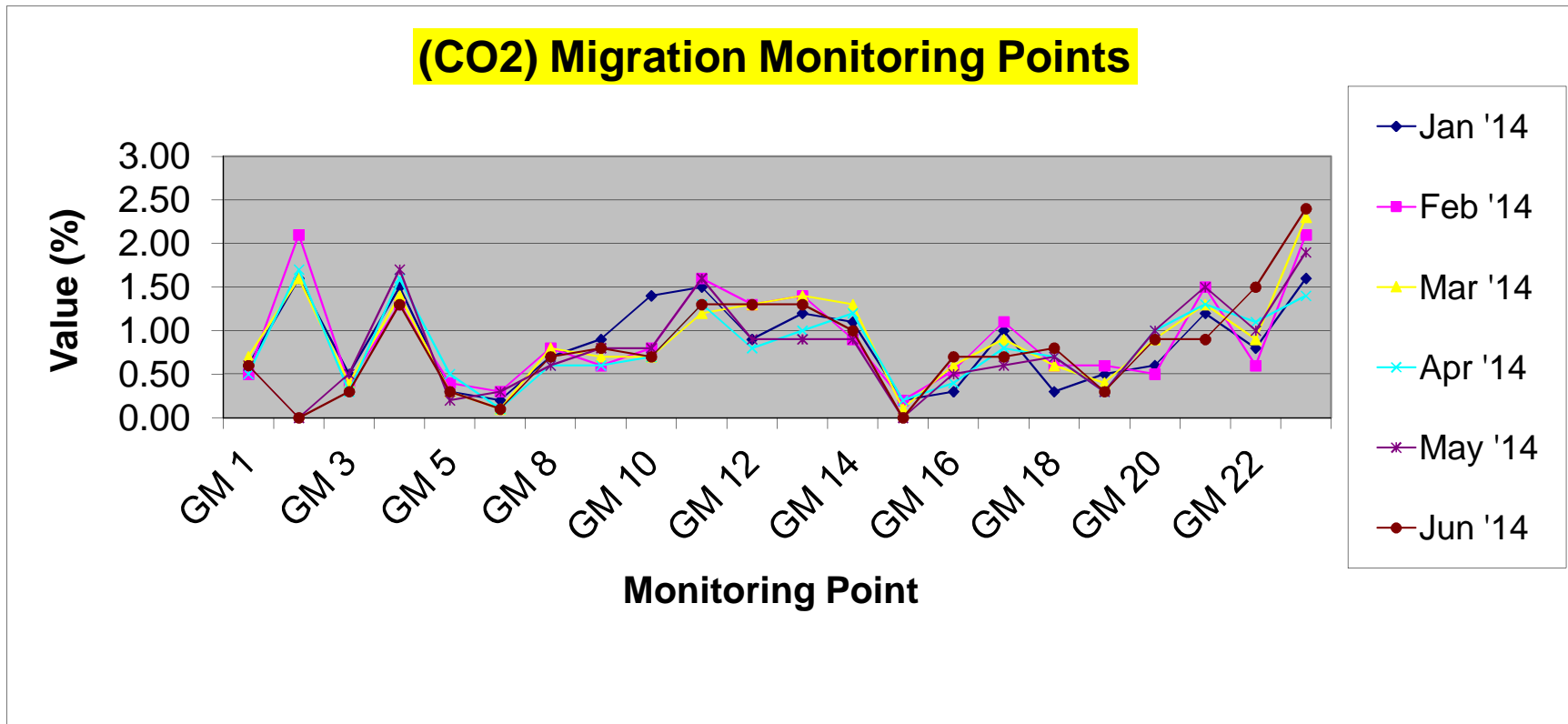


(CO2) Gas Migration Results for 2014 January - June

Red = values of <3% & >1.5%

Blue = values of >3%

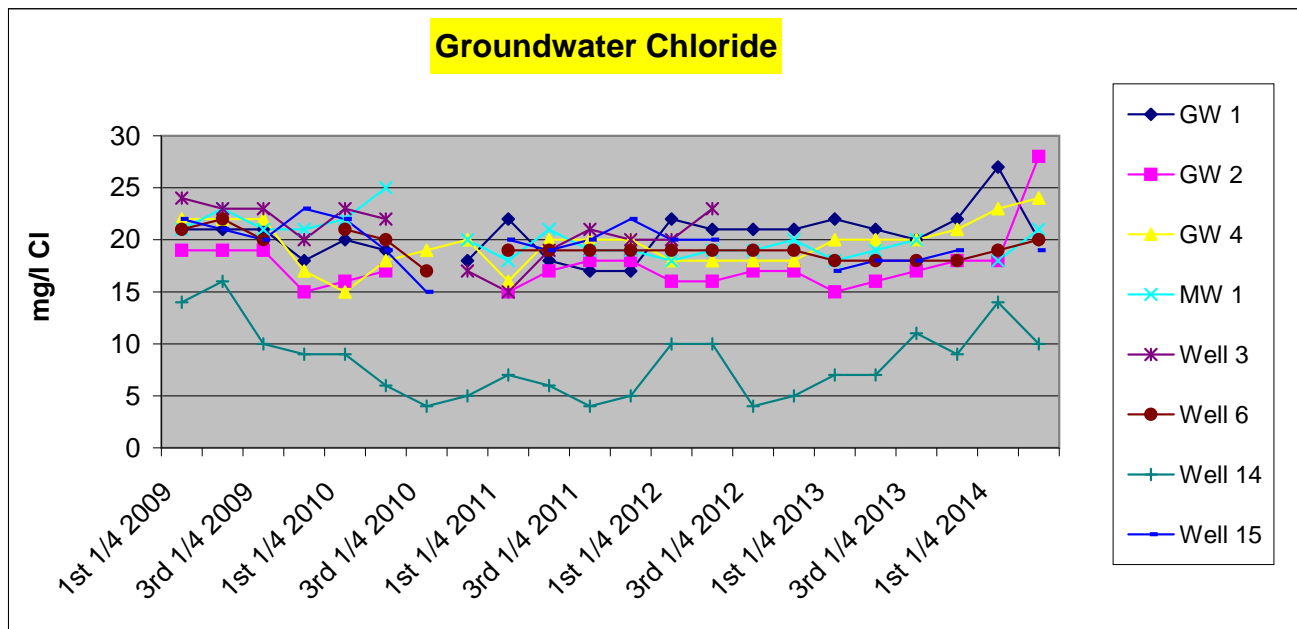
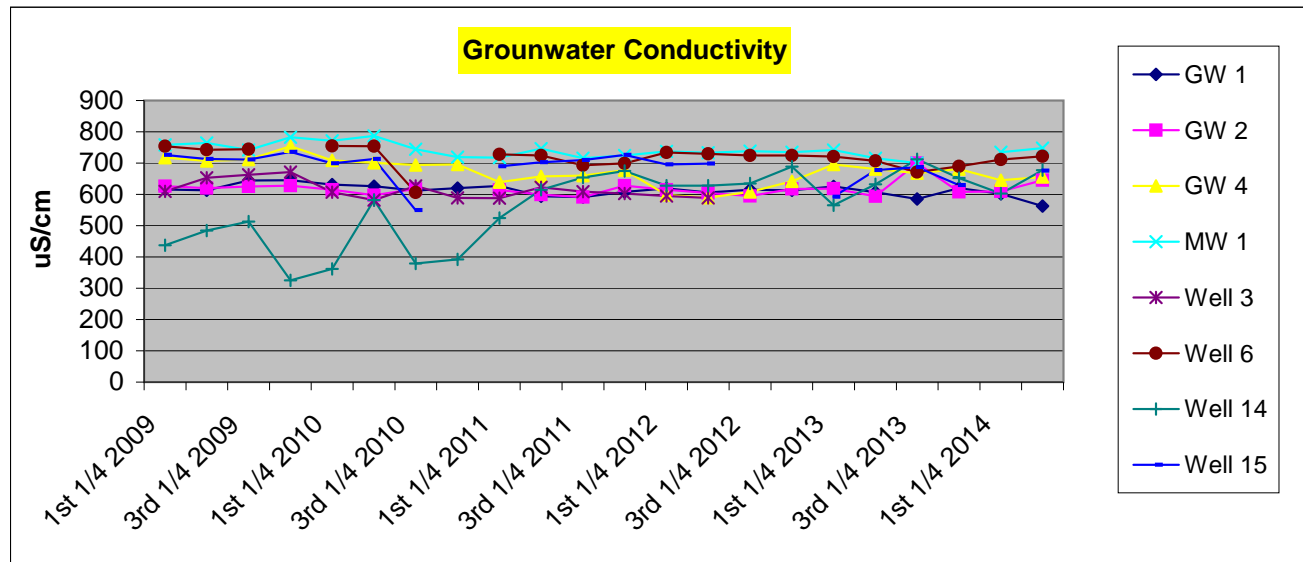
	GM 1	GM 2	GM 3	GM 4	GM 5	GM 7	GM 8	GM 9	GM 10	GM 11	GM 12	GM 13	GM 14	GM 15	GM 16	GM 17	GM 18	GM 19	GM 20	GM 21	GM 22	GM 23
Jan '14	0.60	1.60	0.50	1.50	0.30	0.20	0.70	0.90	1.40	1.50	0.90	1.20	1.10	0.20	0.30	1.00	0.30	0.50	0.60	1.20	0.80	1.60
Feb '14	0.50	2.10	0.40	1.30	0.40	0.30	0.80	0.60	0.80	1.60	1.30	1.40	0.90	0.20	0.54	1.10	0.60	0.60	0.50	1.50	0.60	2.10
Mar '14	0.70	1.60	0.40	1.40	0.30	0.10	0.80	0.70	0.70	1.20	1.30	1.40	1.30	0.10	0.60	0.90	0.60	0.40	0.90	1.30	0.90	2.30
Apr '14	0.50	1.70	0.30	1.60	0.50	0.10	0.60	0.60	0.70	1.30	0.80	1.00	1.20	0.20	0.40	0.80	0.70	0.30	1.00	1.30	1.10	1.40
May '14	0.60	nr	0.50	1.70	0.20	0.30	0.60	0.80	0.80	1.60	0.90	0.90	0.90	0.00	0.50	0.60	0.70	0.30	1.00	1.50	1.00	1.90
Jun '14	0.60	nr	0.30	1.30	0.30	0.10	0.70	0.80	0.70	1.30	1.30	1.30	1.00	0.00	0.70	0.70	0.80	0.30	0.90	0.90	1.50	2.40

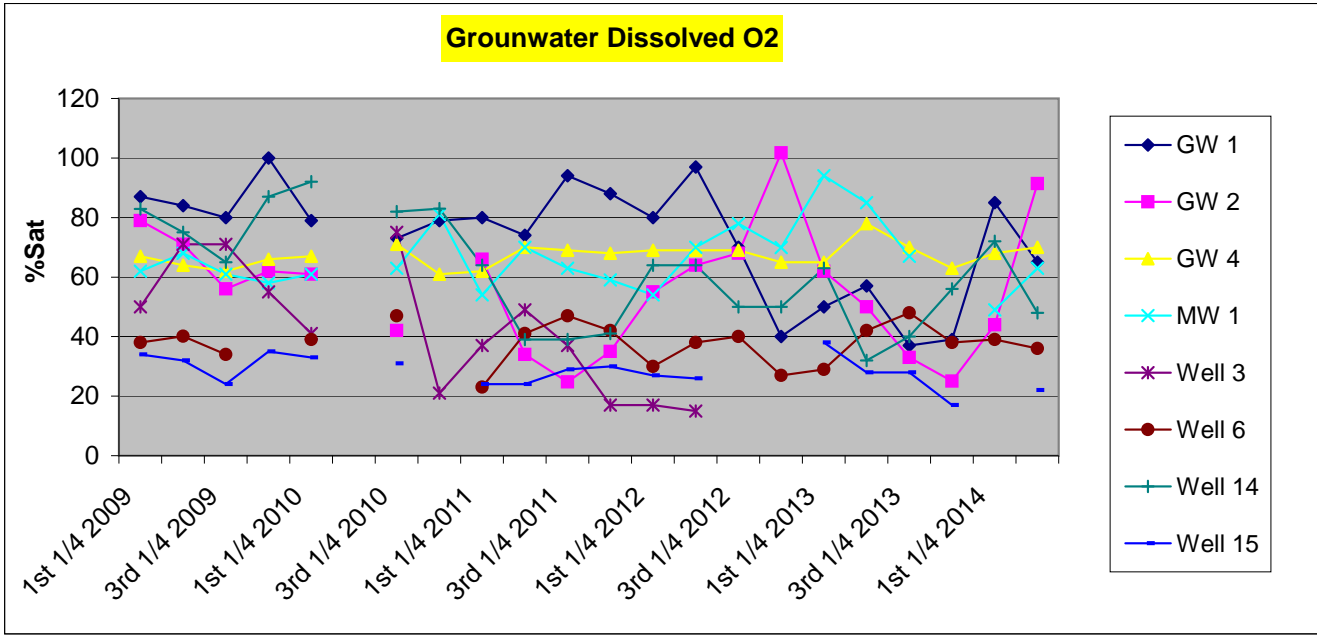
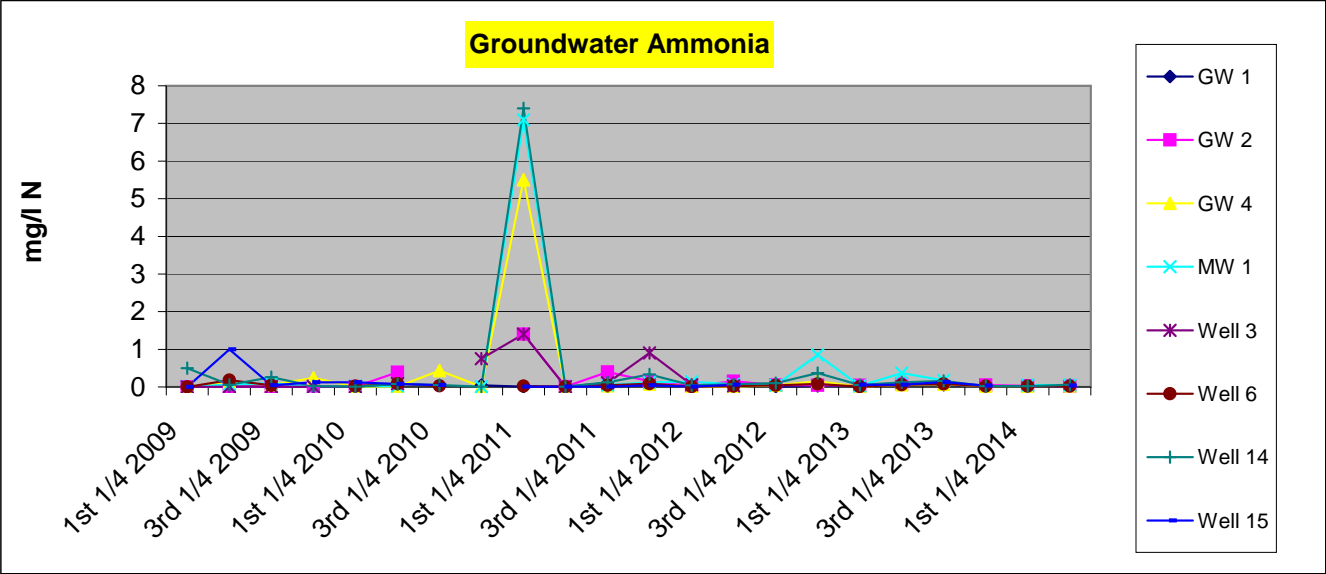




**Appendix C**  
Ground Water  
Monitoring  
&  
Dust Monitoring



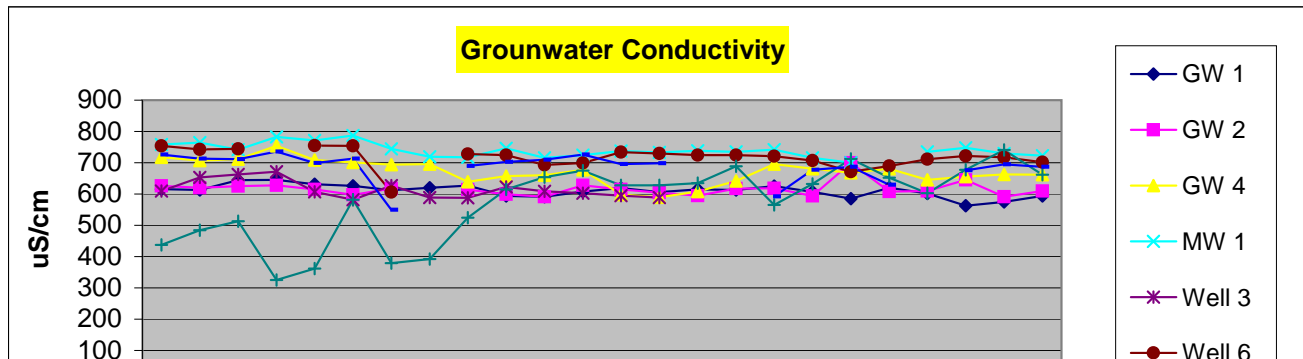
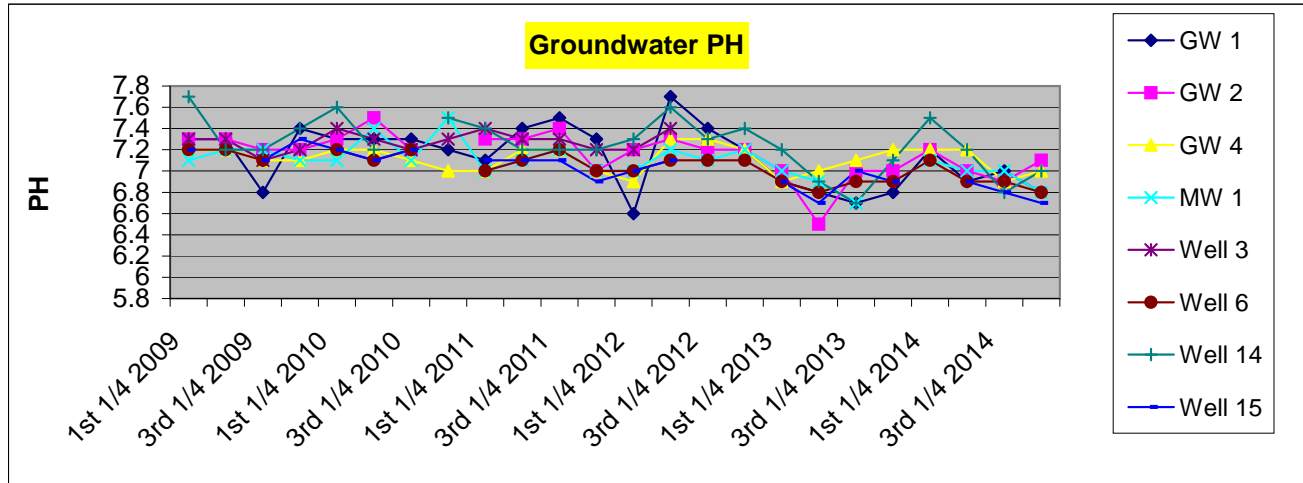




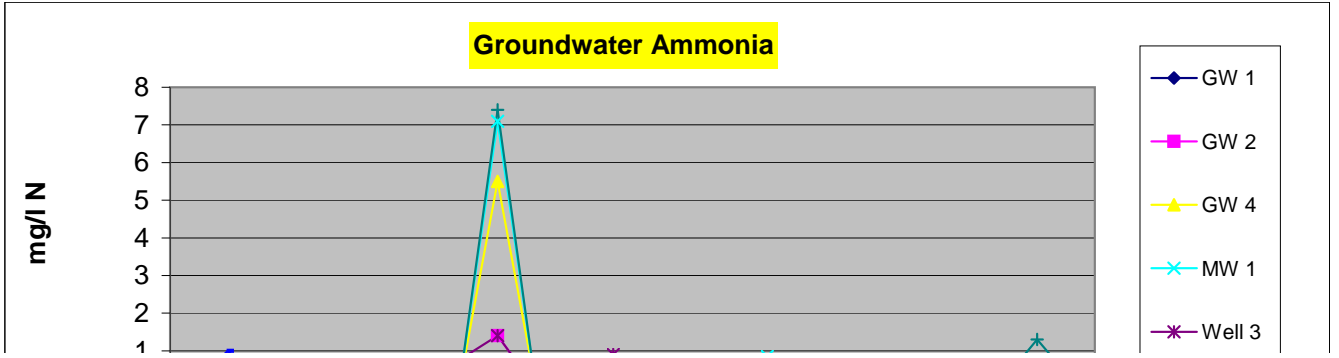
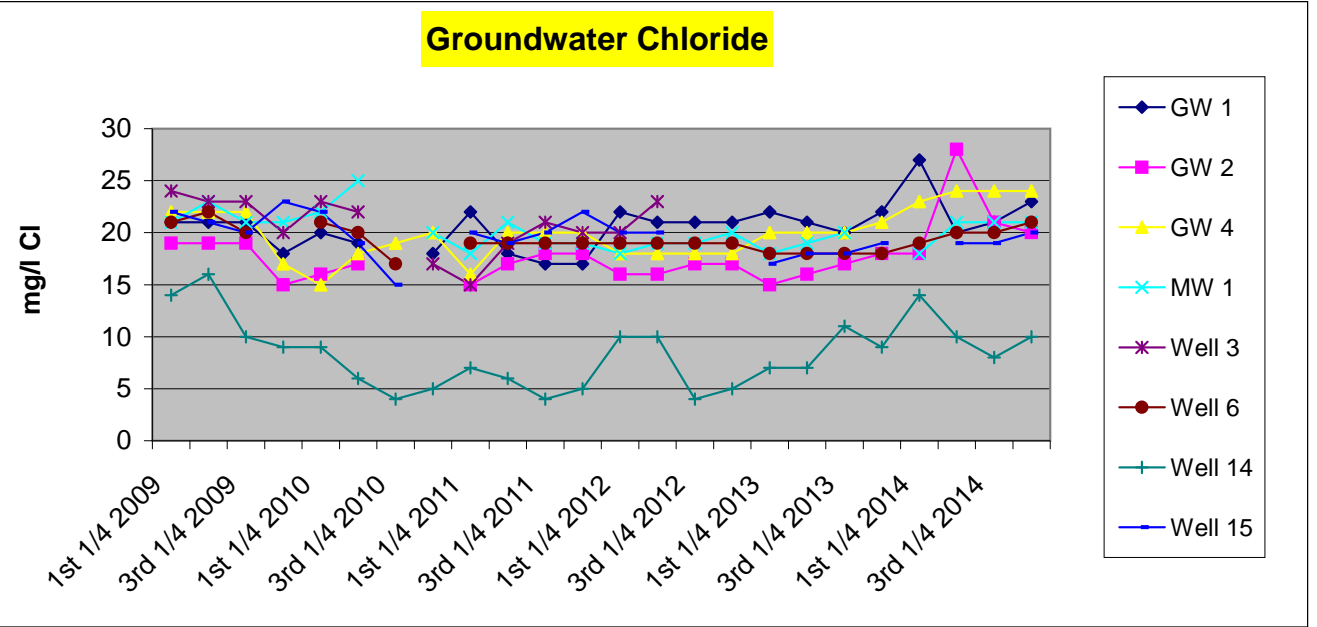
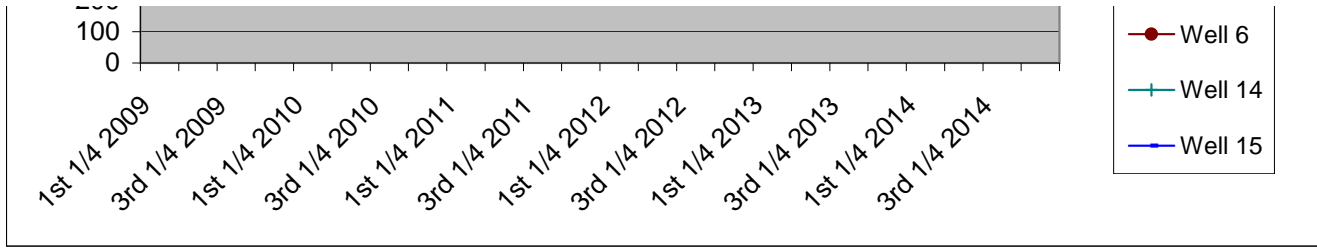


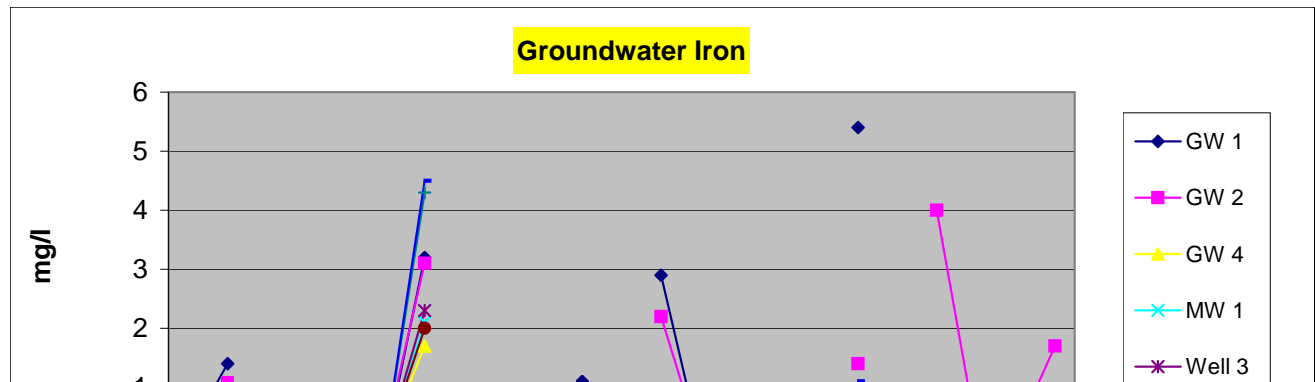
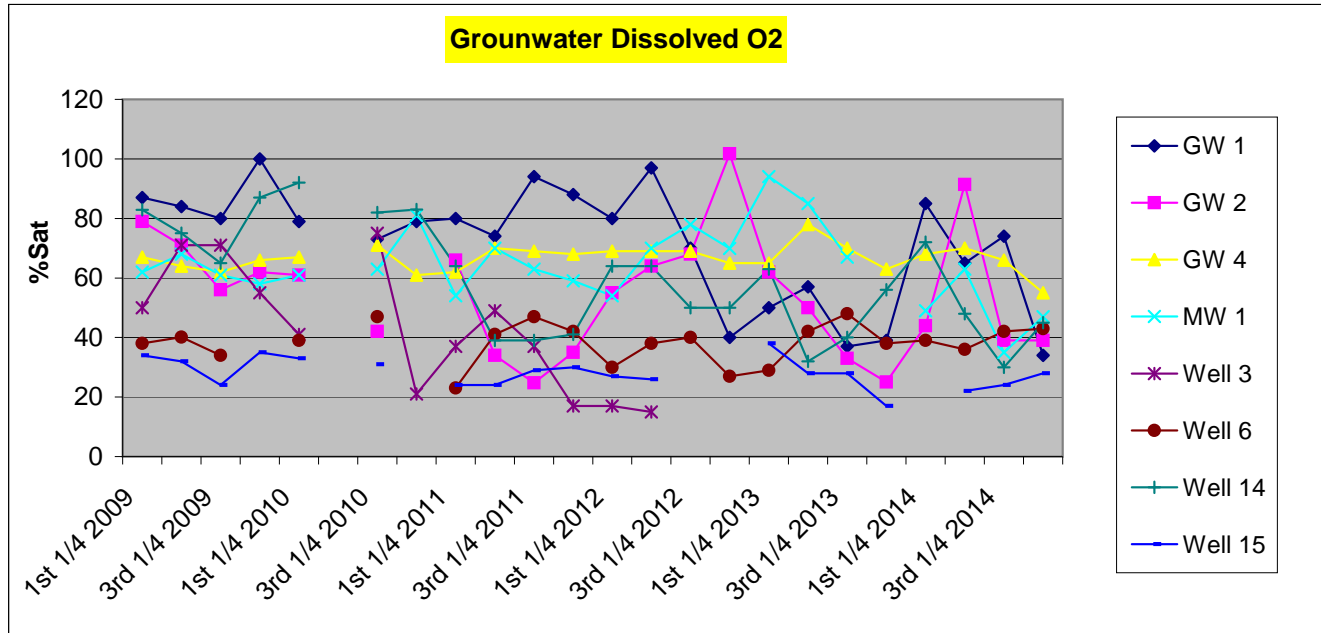
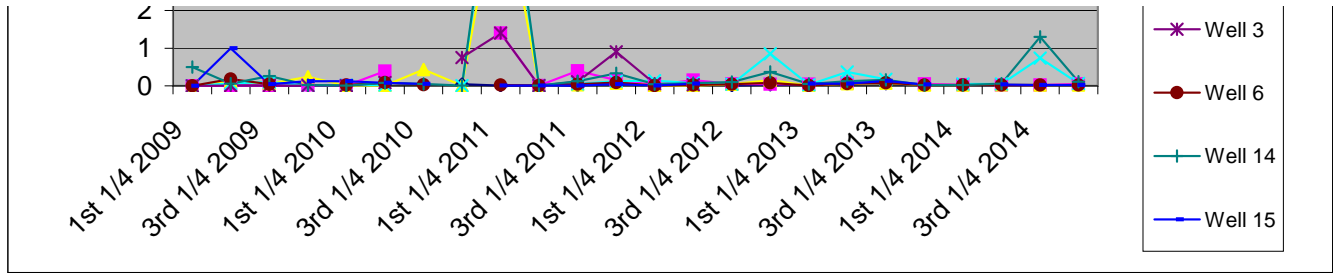
### Groundwater Analysis Q4 2014

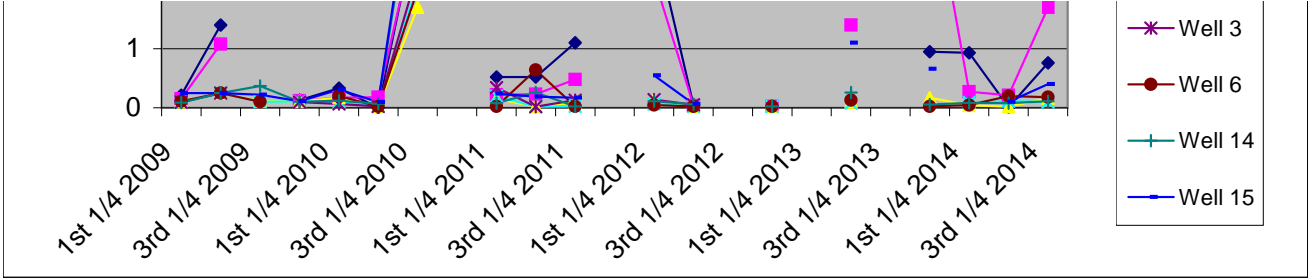
Parameter	Canteen DW	GW1	GW2	GW4	MW1	Well No.3	Well No.6	Well No.14	Well No.15
Depth of Borehole m	nm	18	18.4	18.8	15.5	DRY	nm	nm	5.5
Water Level m	nm	6.2	9.1	14.3	2.5	No	nm	nm	3.2
PH	7.2	6.8	7.1	7	6.8	SAMPLE	6.8	7	6.7
Temperature °C	16	11.5	11.2	11.5	12.2		14.2	14.7	14
Conductivity uS/CM 25°C	456	594	610	662	723		702	662	687
Ammonia mg/l N	0.25	0.02	0.054	<0.020	0.068		<0.020	0.11	<0.020
Dissolved Oxygen %sat	20	34	39	55	47		43	45	28
Chloride mg/l Cl	18	23	20	24	21		21	10	20
TOC mg/l C	<1.0	1.7	<1.0	1.2	1.8		1.3	3.6	2.1
TON mg/l N	<0.2	4.3	2	6.8	5		6	0.71	3.9
Total Coliforms/100ml	<10	550	<10	<10	7300		20	1100	31
e-coli/100ml	<10	<10	<10	<10	<10		<10	<10	<10











## Surface Water Analysis Q2 2014

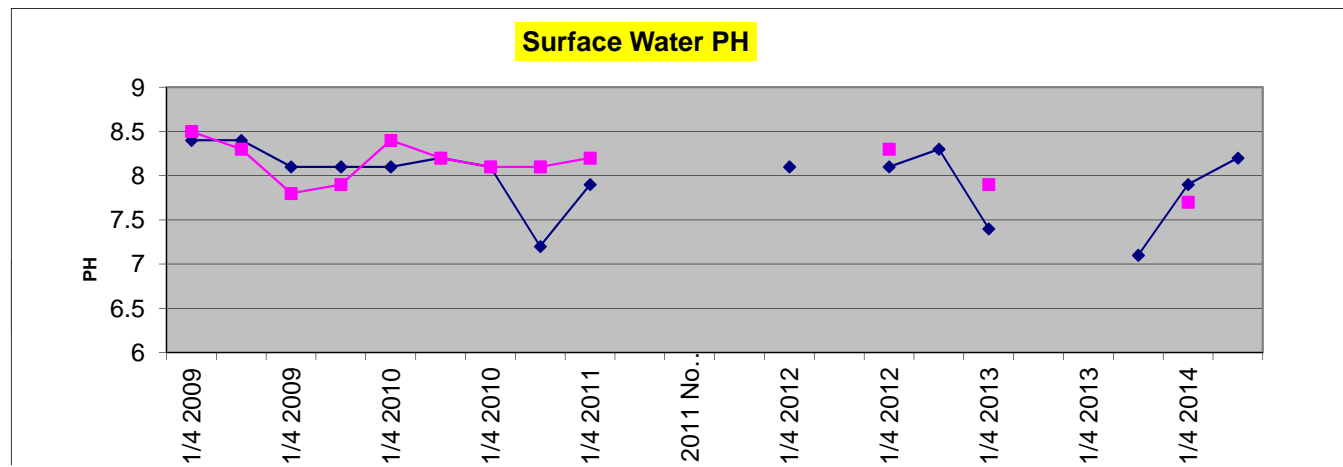
Q2	Up Stream	Down Stream
PH	8.2	Dry
Temperature °C	13.9	No
Conductivity uS/CM 25°C	399	Sample
Ammonia mg/l N	0.029	
Dissolved Oxygen %sat	113	
Total Oxidised Nitrogen mg/l No	2.5	
Chloride mg/l Cl	20	
Chemical Oxygen Demand mg/l O2	<20	
Biochemical Oxygen Demand mg/l O2	<1.0	
Suspended Solids ml/l	<4	

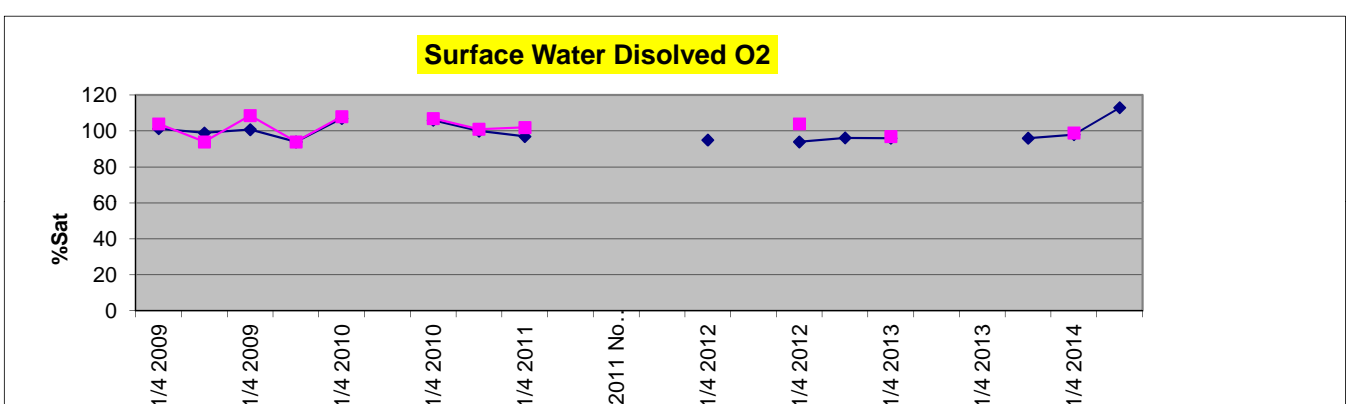
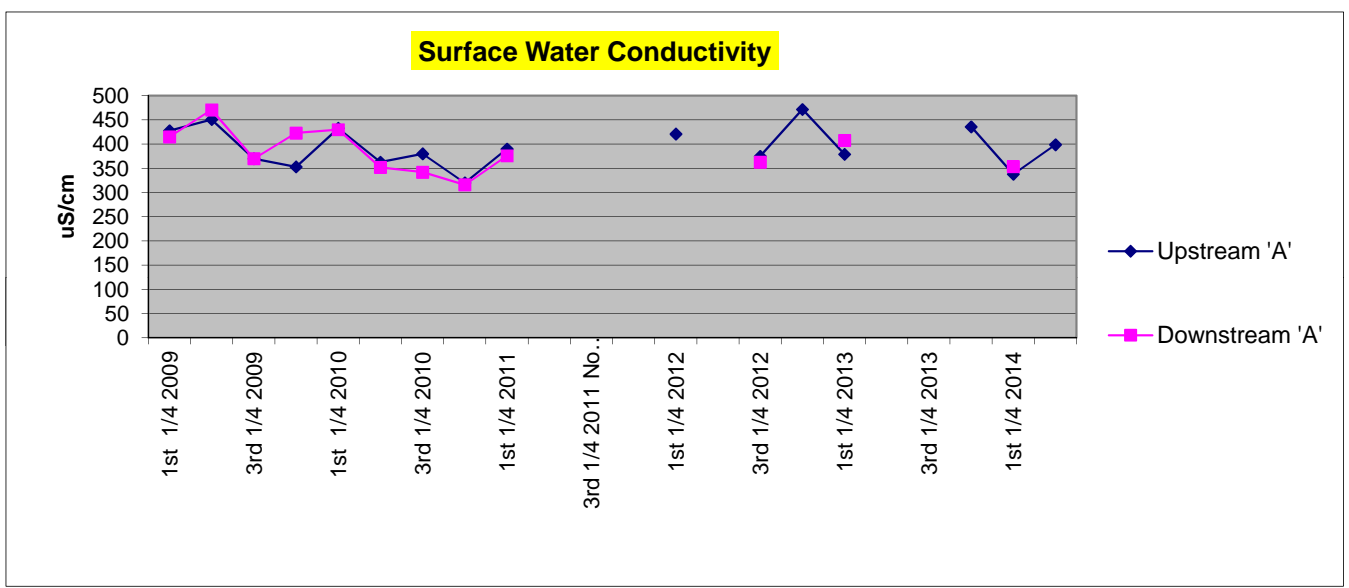
### Upstream 'A'

All parameters fall within the interim guideline values and there are no abnormal changes in values.

### Downstream 'A'

Dry, no sample taken

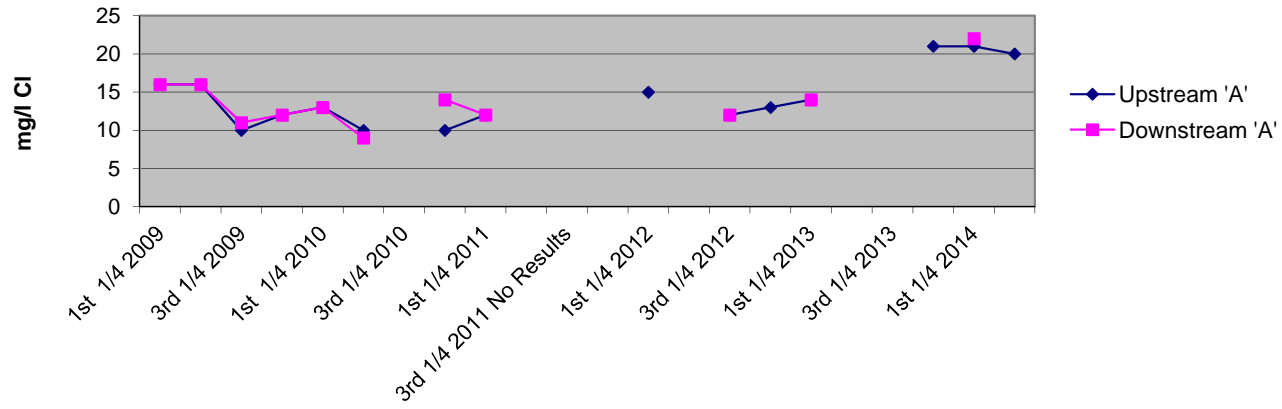




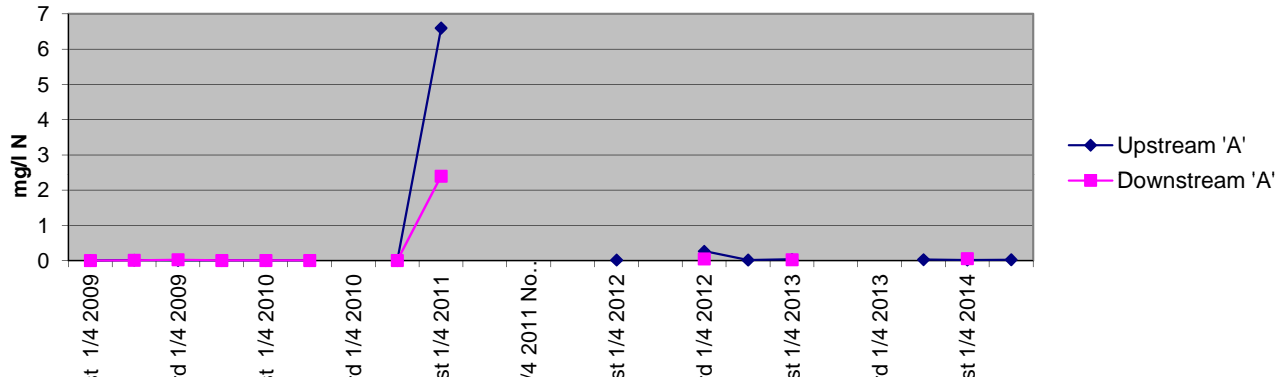
1st 1      3rd 1      1st 1      3rd 1      1st 1      3rd 1/4 ;      1st 1      3rd 1      1st 1      3rd 1      1st 1

◆ Upstream 'A'      ■ Downstream 'A'

**Surface Water Chloride**

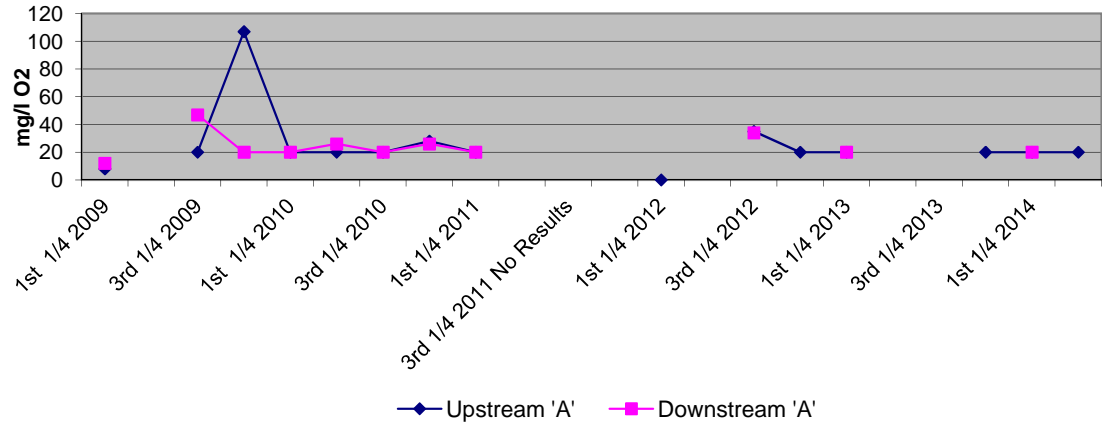


**Surface Water Ammonia**

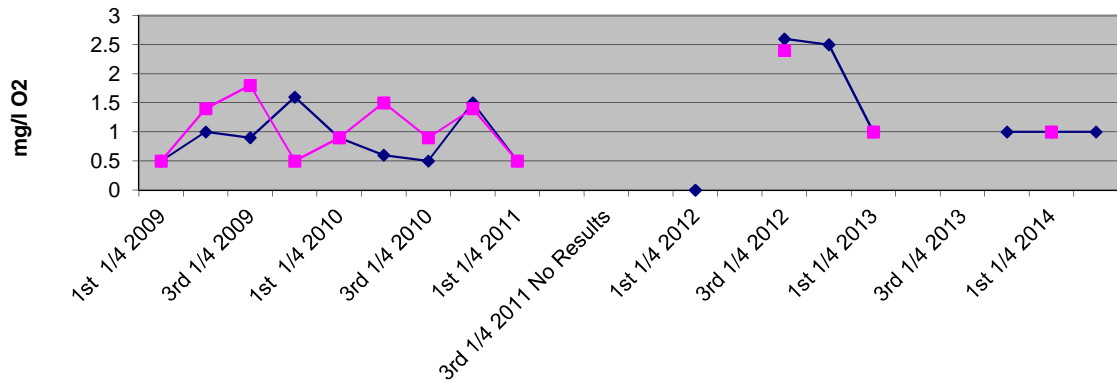


1s 3r 1s 3r 1s 3rd 1/ 1s 3r 1s 3r 1s

**Surface Water C.O.D**



**Surface Water B.O.D**



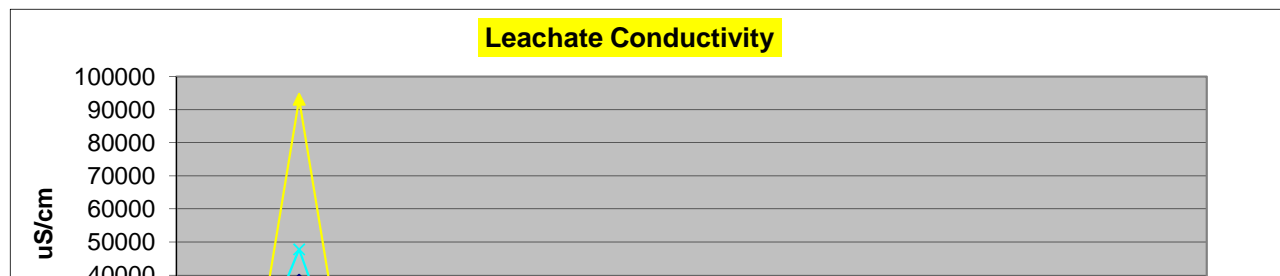
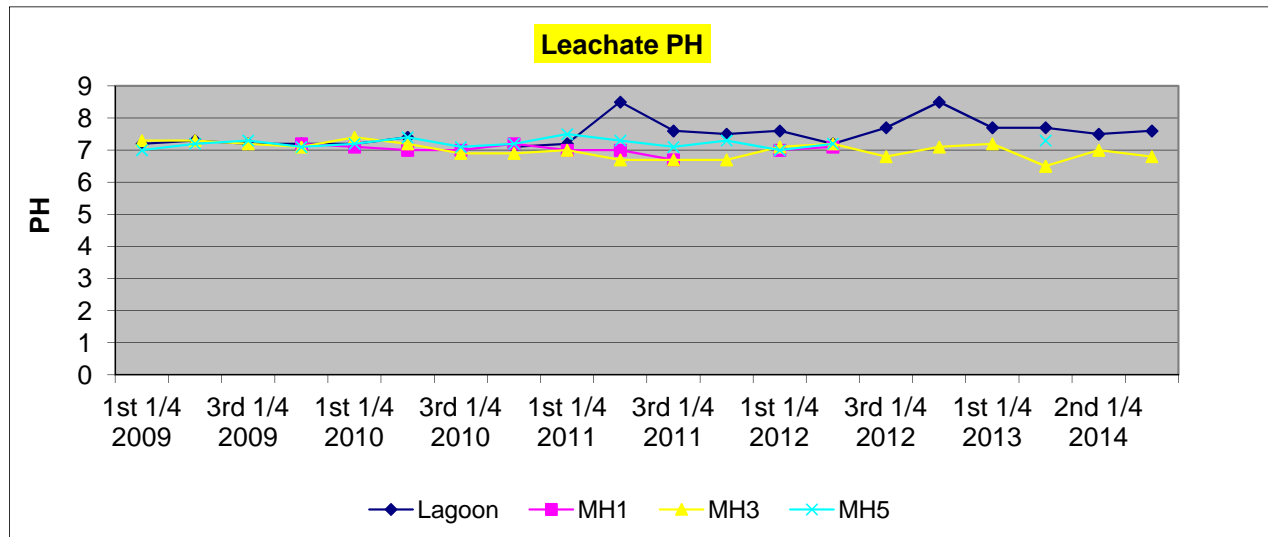
◆ Upstream 'A'    ■ Downstream 'A'

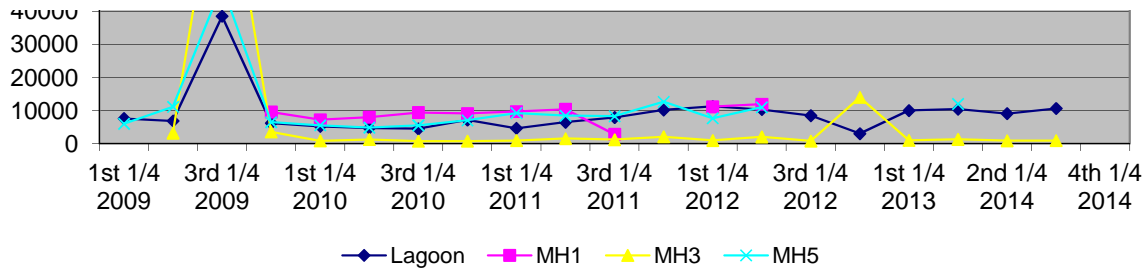


### Leachate Analysis Q3 2014

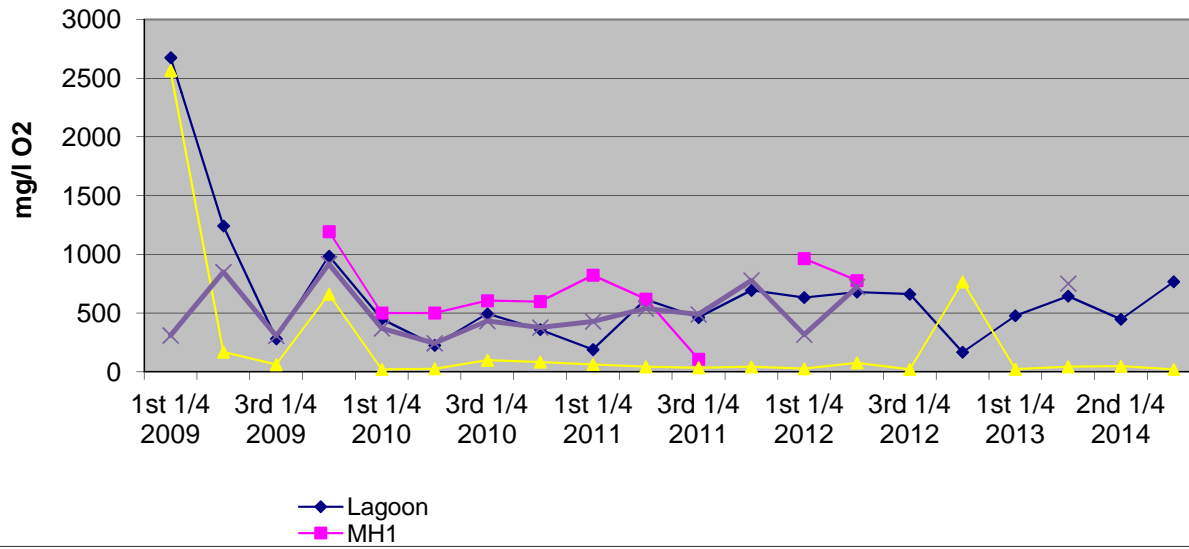
Parameter	Lagoon	MH1	MH3	MH2
Temperature °C	17.7	DRY	13.6	DRY
PH	7.6	No	6.8	No
Conductivity uS/CM 25°C	10640	Sample	934	Sample
Ammonia mg/l No	510		20	
Chloride mg/l Cl	1900		126	
TON mg/l N	<0.2		8	
Chemical Oxygen Demand mg/l O2	767		<20	
Biochemical Oxygen Demand mg/l O2	60		>7.3	

There has been no exceedence of trigger levels shown in Leachate composition analysis.

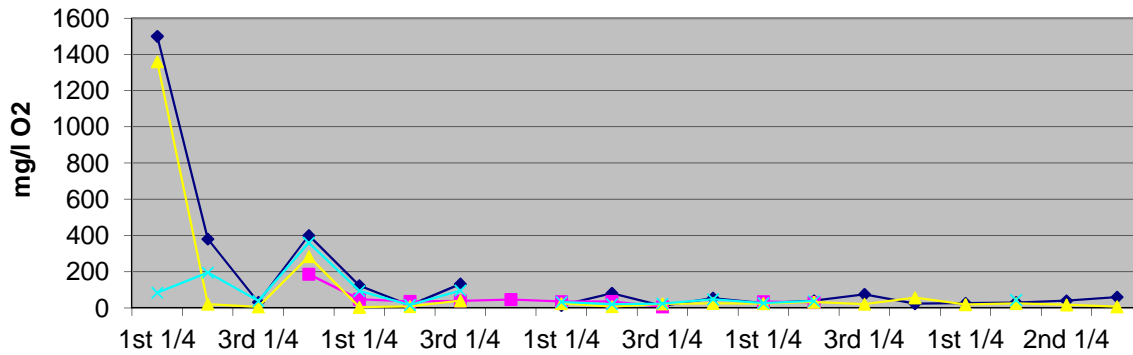




**Leachate C.O.D**



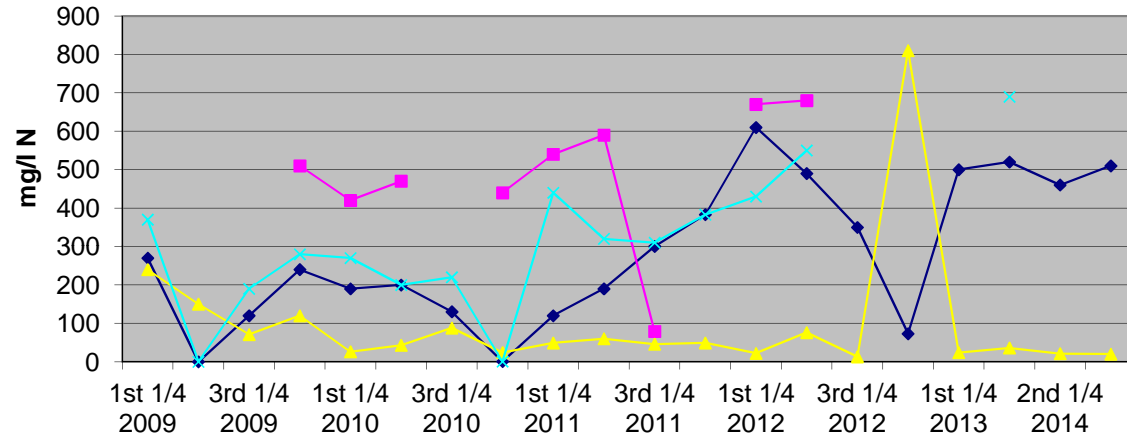
**Leachate B.O.D**



2009 2009 2010 2010 2011 2011 2012 2012 2013 2014

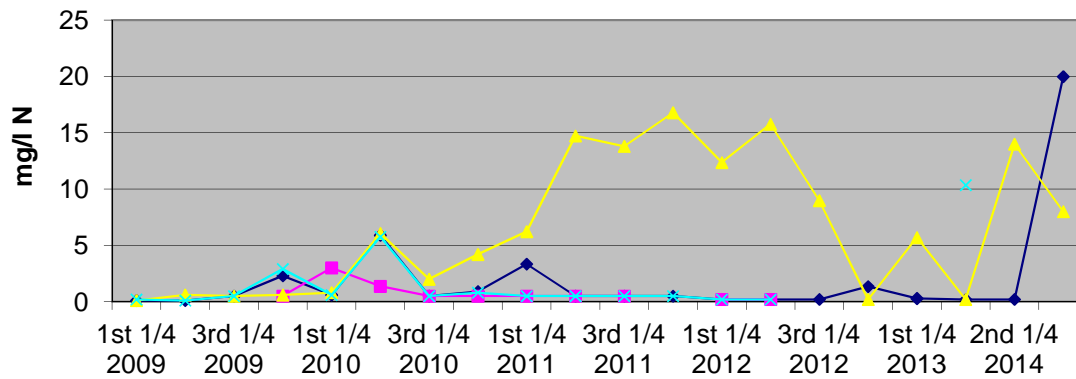
◆ Lagoon ■ MH1 ▲ MH3 ✕ MH5

### Leachate Ammonia



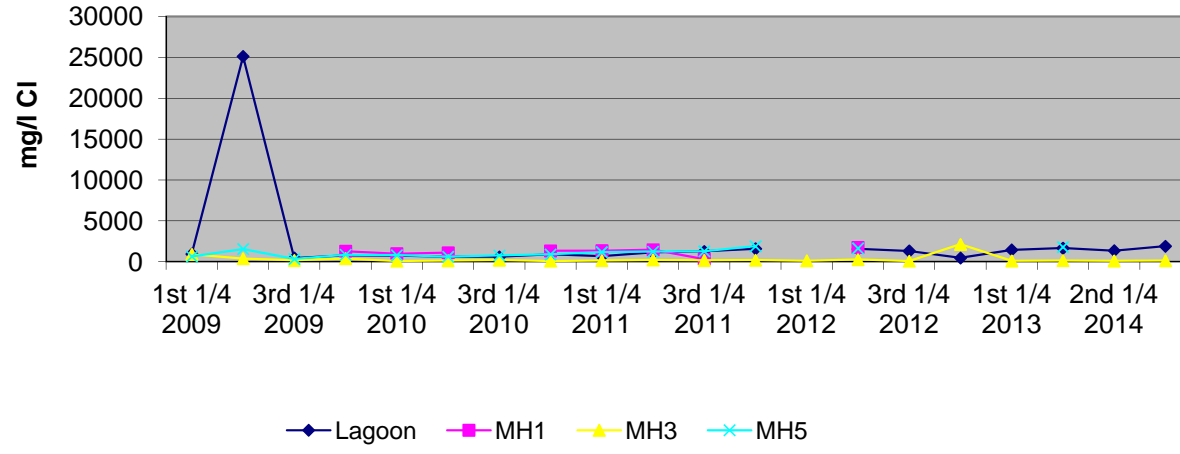
◆ Lagoon ■ MH1 ▲ MH3 ✕ MH5

### Leachate T.O.N



◆ Lagoon ■ MH1 ▲ MH3 ✕ MH5

### Leachate Chloride



## DUNMORE LANDFILL

### Dust Deposition Monitoring

Date		No. of Days
from	11/03/2014	31
to	11/04/2014	

Station Number	Location	Result (mg/m <sup>2</sup> /day)
<b>DG1</b>	Landfill SW boundary beside GW4(O'Neill's Gate)	Discontinued
<b>DG2</b>	South Cell Cell 13	Discontinued
<b>DG3</b>	Cell 8	83
<b>DG4</b>	East of Weighbridge	47
<b>DG5</b>	NE Boundary	Discontinued

DG1, DG2 & DG5 have been discontinued as approved in EPA correspondence W0030-02/AP01JF.

## DUNMORE LANDFILL

### Dust Deposition Monitoring

Date		No. of Days
from	21/05/2014	34
to	24/06/2014	

Station Number	Location	Result (mg/m <sup>2</sup> /day)
<b>DG1</b>	Landfill SW boundary beside GW4(O'Neill's Gate)	Discontinued
<b>DG2</b>	South Cell Cell 13	Discontinued
<b>DG3</b>	Cell 8	223

<b>DG4</b>	East of Weighbridge	<b>87</b>
<b>DG5</b>	NE Boundary	<b>Discontinued</b>

**DUNMORE LANDFILL**

**Dust Deposition Monitoring**

<b>Date</b>		<b>No. of Days</b>
from	21/07/2014	<b>30</b>
to	20/08/2014	

<b>Station Number</b>	<b>Location</b>	<b>Result (mg/m<sup>2</sup>/day)</b>
<b>DG1</b>	Landfill SW boundary beside GW4(O'Neill's Gate)	<b>Discontinued</b>
<b>DG2</b>	South Cell Cell 13	<b>Discontinued</b>
<b>DG3</b>	Cell 8	<b>49</b>
<b>DG4</b>	East of Weighbridge	<b>11</b>
<b>DG5</b>	NE Boundary	<b>Discontinued</b>

# **Appendix D**

## Site Drawing





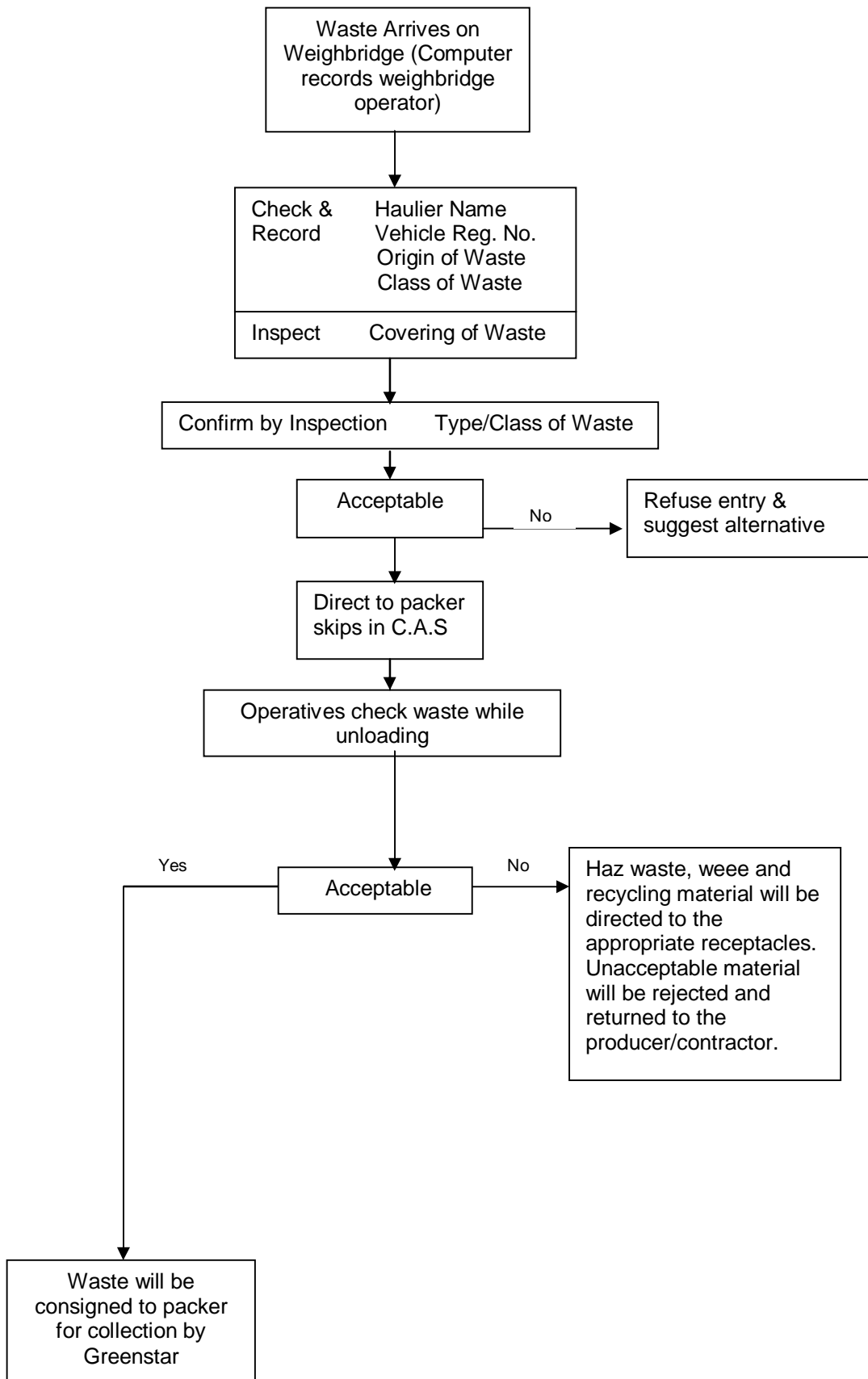


# **Appendix E**

## Waste Acceptance Procedure Flowchart

# DUNMORE RECYCLING & WASTE DISPOSAL CENTRE

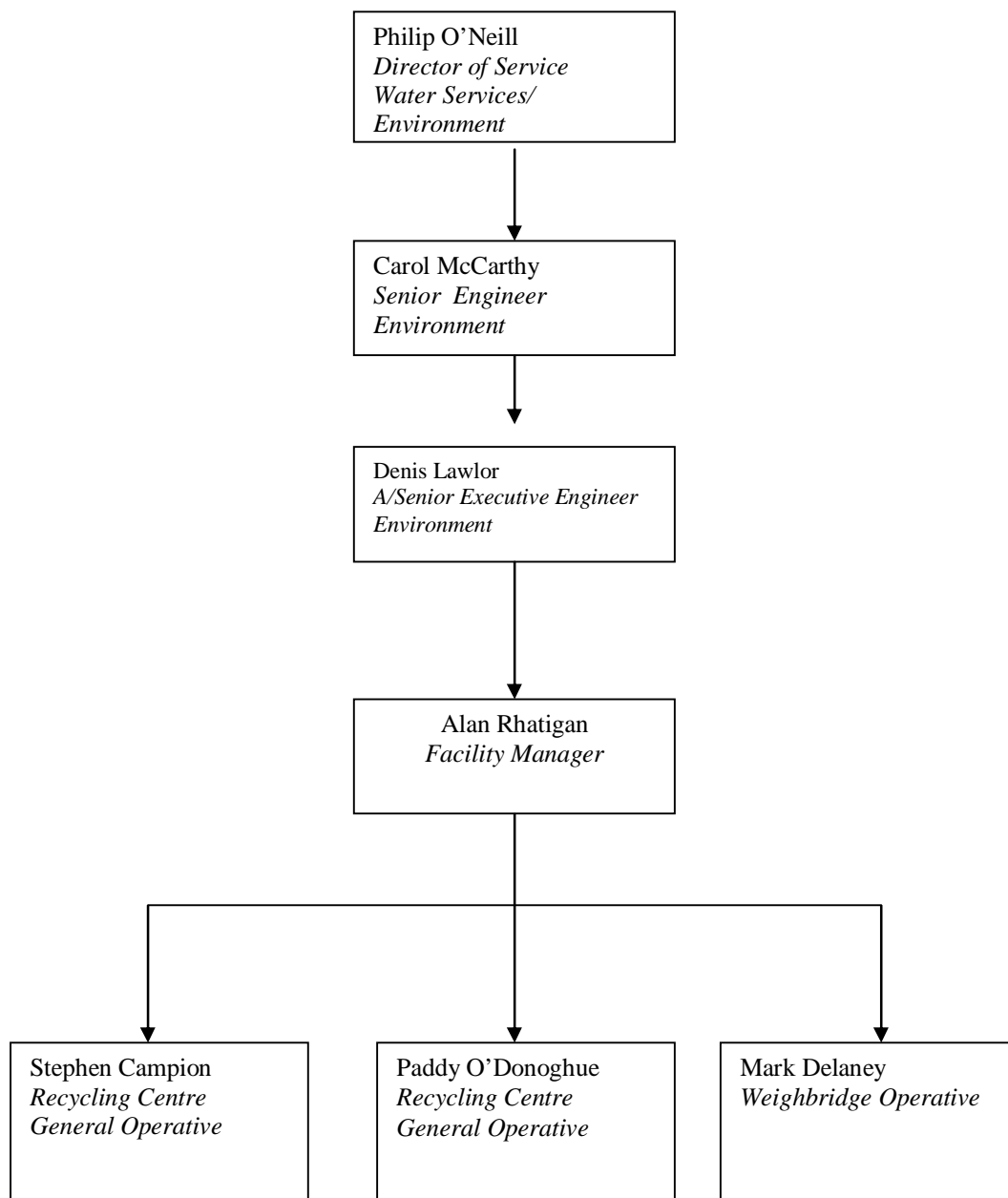
## WASTE ACCEPTANCE PROCEDURE



# **Appendix F**

## Management Structure

## Staff Structure – Dunmore Recycling & Waste Disposal Centre



# Appendix G

Emergency Response

Procedures

&

Contact Numbers

***Emergency Response Procedures:***

<p><b>Explosion</b></p>	<ol style="list-style-type: none"> <li>1. Call-out Fire Brigade</li> <li>2. Evacuate Site</li> </ol>	<p>Engineer in Charge Chief Fire Officer EPA</p>
<p><b>Fire-Vehicle</b></p>	<p>Control with Vehicle or site fire extinguishers. If unsafe or out of control, call out Fire Brigade</p>	<p>Machinery Yard Engineer Vehicle Owner Engineer in Charge</p>
<p><b>Fire-Site</b></p>	<ol style="list-style-type: none"> <li>1. Cover with Inert Material.</li> <li>2. If unsafe, or out of control evacuate site and call-out Fire Brigade.</li> </ol>	<p>Engineer in charge. EPA</p>
<p><b>Oil Spillage</b></p>	<p>Contain with oil sorbent material</p>	<p>Engineer in charge. EPA Southern Regional Fishery Board</p>
<p><b>Leachate Spillage</b></p>	<p>Contain with clay bunds, Dam watercourses, if necessary. Suction up spillage with Vacuum tanker or leachate Tanker.</p>	<p>Engineer in charge. EPA Southern Regional Fishery Board</p>
<p><b>Injury to Persons</b></p>	<ol style="list-style-type: none"> <li>1. Call Ambulance</li> <li>2. Apply First Aid</li> </ol>	<p>Trained First-aiders Engineer in charge.</p>

**Emergency Response Numbers: -**

**Gardai Station (056) 7775000**  
**Dominic St**  
**Kilkenny.**

**Fire Station (056) 7794400**  
**Gaol Rd**  
**Kilkenny.**

**Ambulance (056) 7751133**

**Environmental Protection Agency – OEE**  
**(053) 9160600**  
**LoCall 1890 335599**

**Southern Regional Fisheries Board (052) 80055**

# Appendix H

## PRTR Report



4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

POLLUTANT		METHOD			QUANTITY			
Name		M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
No. Annex II						0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

**SECTION B : REMAINING PRTR POLLUTANTS**

POLLUTANT		METHOD			QUANTITY			
Name		M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
No. Annex II						0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

**SECTION C : REMAINING POLLUTANT EMISSIONS (As required in your Licence)**

POLLUTANT		METHOD			QUANTITY			
Name		M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
Pollutant No.						0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

**Additional Data Requested from Landfill operators**

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill: Please enter summary data on the quantities of methane flared and / or utilised	Dunmore Landfill				
	T (Total) kg/Year	M/C/E	Method Code	Designation or Description	Facility Total Capacity m3 per hour
Total estimated methane generation (as per site model)	138073.0	M	Measured	Measured	N/A
Methane flared	138073.0	M	Measured	On-Site Data	500.0 (Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR#: W0030 | Facility Name: Dunmore Landfill | Filename: W0030\_2014.xls | Return Year: 2014 |

13/04/2015 08:57

Please enter all quantities on this sheet in Tonnes

10

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste: Name and Licence/Permit No of Next Destination Facility	Haz Waste: Address of Next Destination Facility	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer		M/C/E	Method Used		
Within the Country	19 07 03	No	1995.0	landfill leachate other than those mentioned in 19 07 02	D6	M	Weighed	Offsite in Ireland	Kilkenny County Council Purcellsinch waste water treatment plant,Purcellsinch waste water treatment plant	Purcellsinch waste water treatment plant,,Kilkenny,,Ireland		

\* Select a row by double-clicking the Description of Waste then click the delete button

[Link to previous years waste data](#)

[Link to previous years waste summary data & percentage change](#)

[Link to Waste Guidance](#)