

**ANNUAL ENVIRONMENTAL REPORT.**

**Dingle Civic Amenity Site.**

**Licence ref. No W00225 – 1.**

**2009**

**March 2010**

1) **Reporting Period**            01/01/09-31/12/09

**2) Details of Activity**

The principal activities include recycling or reclamation of metals in accordance with Class 3 of the Fourth Schedule, recycling or reclamation of inorganic materials including domestic quantities of glass, plastic bottles, aluminium cans, domestic hazardous waste, car batteries, dry cell batteries, fluorescent tubes, oil based paints and varnishes, cardboard, rubble, timber, scrap metal and newspapers.

The secondary activity of the Civic Amenity Site include is the compaction of solid waste into 30cu. metre closed containers for subsequent disposal to landfill in accordance with Class 12 of the Third Schedule of the Waste Management Act, 1996.

**3) Volume and composition of waste received during the year.**

**the period from 01/01/09 to 31/12/09 the following quantities of waste were accepted at the transfer station;**

Public Domestic Waste Delivered to site	236.72
Fly Tipping	8.4
Commercial Waste delivered to site.	0.04
<b>Total Waste for Disposal</b>	<b>245.16</b>

The quantity of waste materials accepted for subsequent recycling/recovery was as follows:

Glass for recycling	12.2
Metals for recycling	30.28
Paper for recycling	
Cardboard	12.94
Aluminium Cans	0.25
Plastic Bottles	
WEEE	46.992
Steel Cans	1.3
Fluorescent Tubes	Minor quantities
Waste Oil	0.5
Batteries	1.9
Mixed Dry Recyclables	20.7
Wood	41.5
Textiles	5.9
Flat Glass	4.54

Green Waste	8.0
Rubble	14.2
Waste Cooking Oil	0.15
<b>TOTAL</b>	<b>212.75</b>

**4) Projections of the quantities to be accepted and percentages disposed and recycled/recovered for the coming year.**

KCC expect a modest increase in recycling in 2010 as the facility becomes better known.

**5) Summary report on Emissions, including wastes from silt traps and interception sumps.**

5.1) *Foul Water Emmissions*

5.2) *Surface Water Emmissions*

**6) Summary of results and interpretations of Environmental Monitoring.**

6.1 *Dust monitoring.*

6.2 *Noise monitoring.*

6.3 *Monitoring of surface water.*

6.4 *Foul Water*

**7) Resource Consumption Summary**

*Diesel*

Diesel usage during the period was approximately 220 litres.

*Electricity*

Electricity usage at the facility amounted to 13,580 units. The main power requirement on site is office heating, compactors, and on-site lighting.

### *Water*

Water supply to the site is from a mains supply. Water usage on site is mainly for power washing yards, hopper and washing of bins where required. While consumption is not metered it is estimated at 50,000 litres during the reporting period.

### **8) Development works undertaken during the period and timescale for proposed works.**

No further substantial works were undertaken on the site.

### **9a) Report on progress towards achievement of Environmental Objectives and Targets in previous years report.**

- a) Recycling increased by 285% over the year 2009. However this comparison is with 6 months of the previous year as the facility was opened in July of 2008.
- b) The facility was promoted during 2009 by radio adverts and leaflet drops, by word of mouth and insertions in local magazines.
- c) A new cardboard baler was successfully installed in 2009.
- d) All monitoring was initiated.

### **9) List of procedures developed by the licensee during the previous year.**

- a) The majority of environmental procedures were introduced during 2009.
- b) New safety procedures during 2009.
- c) New financial procedures were implemented during 2009.

### **10) Drum, Tank and Bund Testing.**

No bunds on site.

### **11) Reported Incidents and Complaints Summaries.**

No significant complaints were received during 2009. There were some minor verbal complaints about the cost of waste disposal and recycling.

**14) Report on financial provisions made under this licence, management and staffing structure of the facility and a programme for public information.**

Please see financial summary in Appendix A.

**List of APPENDICES.**

Appendix A lists the estimated cost of operation of the facility for the year 2008.

Appendix B shows the Management Structure.

Appendix C. Organisation Chart.

Appendix D. Communications Chart.

Appendix E. Environmental Objectives and Targets.

Appendix F. Foul & Surface Water Summary.

## Appendix A.

### The estimated cost of operation of the facility for the year 2009.

#### WASTE COSTS SUMMARY 2009.

Accelem(T)	Job	Job(T)	E
Wages	5111006D	An Daingean Civic Amenity	1
ER PRSI	5111006D	An Daingean Civic Amenity	
Overtime	5111006D	An Daingean Civic Amenity	
Arrears	5111006D	An Daingean Civic Amenity	
Annual Leave	5111006D	An Daingean Civic Amenity	
Bank Holiday Leave	5111006D	An Daingean Civic Amenity	
Travel/Subsistence	5111006D	An Daingean Civic Amenity	
Other Allowances	5111006D	An Daingean Civic Amenity	
Minor Contracts- Trade Services & other works	5111006D	An Daingean Civic Amenity	
Non-Capital Equip Purchase - Computers	5111006D	An Daingean Civic Amenity	
Non-Capital Equip Purchase - Other	5111006D	An Daingean Civic Amenity	1
Hire (Ext) - Plant/Transport/Machinery & Equipment	5111006D	An Daingean Civic Amenity	1
Repairs & Maint - Plant	5111006D	An Daingean Civic Amenity	
Materials	5111006D	An Daingean Civic Amenity	
Issues from Stores	5111006D	An Daingean Civic Amenity	
Staff Travelling & Subsistence Expenses	5111006D	An Daingean Civic Amenity	
Communication Expenses	5111006D	An Daingean Civic Amenity	
Postage	5111006D	An Daingean Civic Amenity	
Legal Fees and Expenses	5111006D	An Daingean Civic Amenity	
Consultancy/Professional Fees and Expenses	5111006D	An Daingean Civic Amenity	
Printing & Office Consumables	5111006D	An Daingean Civic Amenity	
Statutory Contributions to Other Bodies	5111006D	An Daingean Civic Amenity	
Rates & Other LA Charges	5111006D	An Daingean Civic Amenity	
Energy	5111006D	An Daingean Civic Amenity	
Miscellaneous Expenses	5111006D	An Daingean Civic Amenity	

#### RECYCLING COSTS SUMMARY 2009.

Accelem(T)	Job	Job(T)	E
Wages	5020006X	An Daingean Civic Amenity (Recycling)	
ER PRSI	5020006X	An Daingean Civic Amenity (Recycling)	
Overtime	5020006X	An Daingean Civic Amenity (Recycling)	
Travel/Subsistence	5020006X	An Daingean Civic Amenity (Recycling)	
Other Allowances	5020006X	An Daingean Civic Amenity (Recycling)	
Minor Contracts- Trade Services & other works	5020006X	An Daingean Civic Amenity (Recycling)	
Hire (Ext) - Plant/Transport/Machinery & Equipment	5020006X	An Daingean Civic Amenity (Recycling)	
Transfers from Machinery Yard	5020006X	An Daingean Civic Amenity (Recycling)	
Issues from Stores	5020006X	An Daingean Civic Amenity (Recycling)	
Courier	5020006X	An Daingean Civic Amenity (Recycling)	
Advertising	5020006X	An Daingean Civic Amenity (Recycling)	1

## **Appendix B. Management Structure.**

### **Responsibilities of Personnel**

Denis O Connor responsible for

- Overall implementation of Waste Management Plan for the county.
- Development of waste management infrastructure.
- Development of waste management policy for the county.
- Groundwater and Surface water protection.
- Allocation of responsibilities to staff
- Senior Budget Holder for the Department.

Malachy Walsh & Co. responsible for;

- Design of facility

David Lenihan responsible for;

- Carrying out of monitoring of surface water and groundwater for the parameters and at the frequency required by the licence and the interpretation of these results.

John Aherne responsible for;

- Overall implementation of the licence.
- Overseeing correspondence to the Agency in relation to the licence.
- Waste management throughout the county..
- Overall review of Licence implementation.
- Establishment of the Environmental Management Programme.
- Overall implementation of closure plan for old landfill.
- Senior Budget Holder for Waste Management.

Pat Phelan responsible for;

- Correspondence to the Agency required by the licence.
- Inspection of the site regularly to ensure compliance with licence.
- Organisation and provision of staff training.
- Preparation of procedures required by licence.
- Ensuring required monitoring is carried out in accordance with the licence.
- Ensuring appropriate reports are forwarded to EPA at the required intervals.
- Preparation of EMP and AER
- Ensuring accurate records are compiled and maintained by relevant staff.

Frank Doherty and/or Dep. Manager;

- Office file management
- Weighbridge records
- Control of waste accepted at the facility.
- Controlling traffic on site.

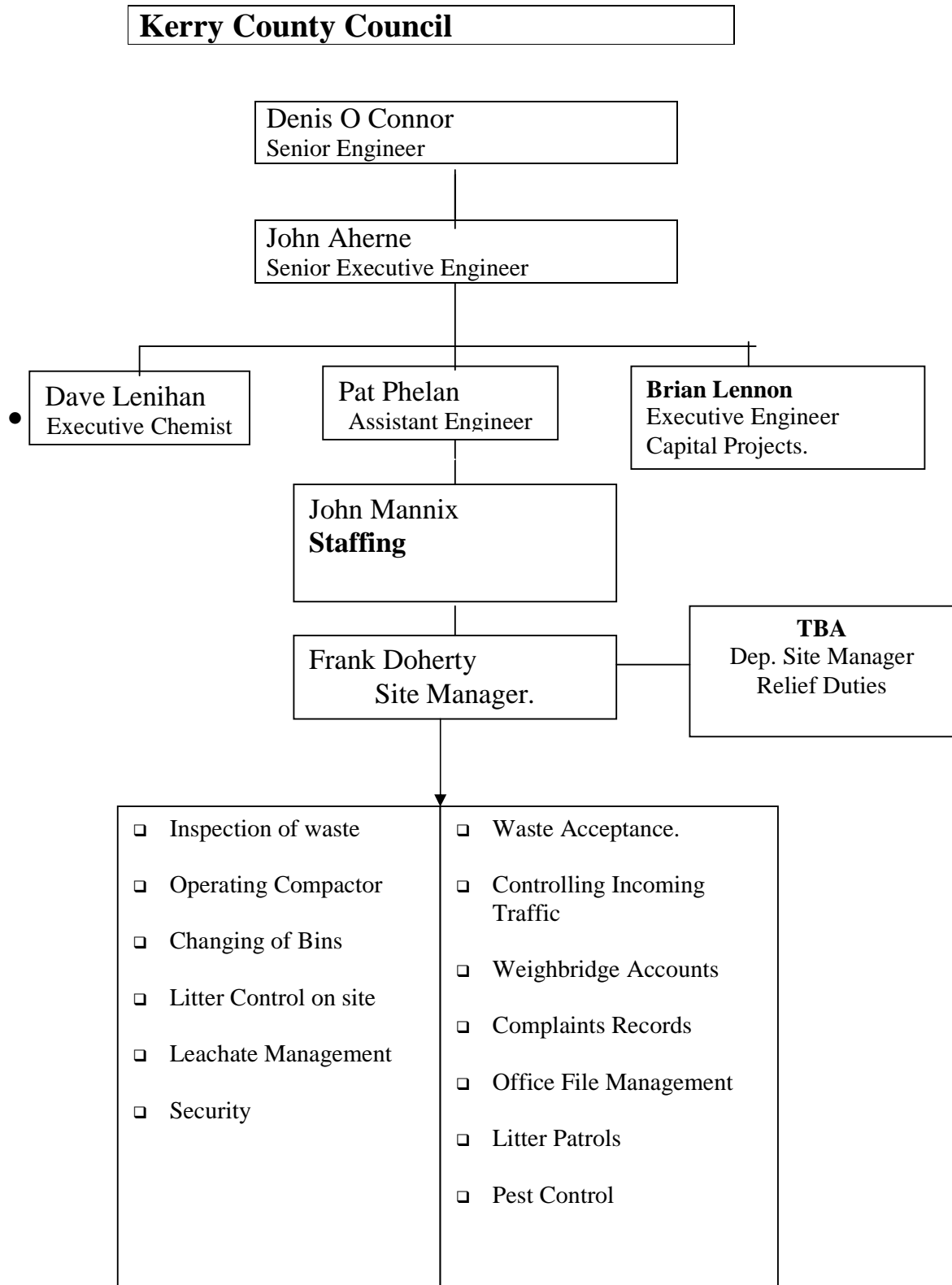
- Litter patrol
- Weekly inspection for nuisances, inspection of surface water drains and oil interceptors and records of same.
- Complaints records, incident records
- Organising regular removal of waste bins and materials from Civic Amenity area.
- operation of compactor
- site cleanliness
- foul water management
- security



## Appendix C.

### • KERRY COUNTY COUNCIL PROJECT ORGANISATION CHART

#### Dingle Civic Amenity Site



## **Dingle Civic Amenity Site..**

### **Site Manager.** Mr Frank Doherty

Mr Frank Doherty has been employed by Kerry Co. Council since 2008 as site manager. He is capable of managing and controlling a site and has shown his capabilities over quite a number of years. He is also capable of maintaining appropriate records as required.

He will also be provided with additional training on the proper management of the site as required. In the absence of formal training organised by FAS then the training will be provided by experienced Council personnel.

### **Staffing Supervisor** Mr. John Mannix.

Mr John Mannix as Environmental Services Supervisor has responsibility for regular supervision of refuse collection service and the transfer stations. He is responsible for ensuring that the transfer station is operated and maintained properly by the site operatives. He is also responsible for ensuring that the operatives are supplied with all necessary equipment, tools, safety gear, etc. and that relief staff are available to cater for absences of the site manager.

Mr Mannix was prior to this a litter warden for South Kerry from April '00. From June '94 to April '00 he worked in Castleisland as traffic warden and litter warden. He had been employed previously from Sept '82 as a roads foreman in the Killarney area.

His experience as litter warden ensures he has experience of implementing the Litter Act. He also understands the importance of keeping records and complying with legislation.

organised by FAS then the training will be provided by experienced Council personnel.

### **Senior Executive Engineer Environment Dept.** Mr. John Aherne .B.E.

Mr. Aherne worked extensively in Road Services for approximately 7 years. He has undergone the FAS Waste Management Certificate in 2008 and has a second degree in Environmental Engineering. He currently has overall frontline responsibility for Waste Management in the Environment Services section of KCC with direct responsibility for Refuse collection, Waste Transfer & Recycling, and the Landfill operation.

**Assistant Engineer Environment Dept.** Mr. Pat Phelan B.E. qualified in 1986 with a degree in Civil Engineering and a Diploma in Project Management. He has also completed the FAS Waste Management Training course between September 2004 and December 2004. He has previously worked in Construction & Civil Engineering in the UK and has spent 5 years in the Highways Agency working mainly in Environmental Research.

## Appendix D.

### **Dingle Civic Amenity Site**

Licence Ref. No 225-1

### **COMMUNICATIONS PROGRAMME**

Kerry County Council have the following files available for public inspection on request at the transfer station.

	Title of Report	Submitted to EPA	Agreed by EPA
1.	Waste Licence for Dingle Civic Amenity Site	Yes	Yes
2.	Corrective Action procedure.	Yes	pending
3.	Emergency response procedure.	pending	pending
4.	Communications Programme.	Yes	pending
5.	Awareness & Training Procedure	Yes	pending
6.	AER	Yes	pending
7.	EMP & EMS	Yes	pending

**Appendix E. Environmental Objectives and Targets.**

Objective	Target
1. Encourage the public to recycle their waste.	Increase the total quantity of waste recycled at the facility by 20% next year. a) Providing information leaflets at the site office on home composting b) Promote the facility in the local community.
2. Encourage more recycling.	Promotion county wide and locally
3. Initiate more intensive advertising to increase footfall to CA site.	Ongoing

**Responsibility.** The Supervising Engineer in charge will have responsibility for implementation of the objectives and targets. The Senior Engineer Environment Dept will have responsibility for allocating staff and resources to implement the objectives and targets.

## Appendix F. Foul & Surface Water Summary 2009.

Attn: Pat Phelan EE Waste Management

27/01/2010

Re: Surface water Results for Transfer stations : Jul to Dec 2009

Please see latest summary of results. Further samples are required for a proper assessment.

Dingle	S2		2009/5147	01-Oct-09	15:10	0.26	7.7	1.1	364
Dingle	S3		2009/5148	01-Oct-09	15:20	0.46	8.1	1.5	284
Dingle	S4		2009/5149	01-Oct-09	15:35	0.14	8.1	2.4	386
Dingle	S5		2009/5150	01-Oct-09	16:00	0.3	6.8	3.1	354
Dingle	Stream sample d/s of pipe		2009/1301	05-Mar-09	14:52	0.03	7.5	1.1	196
Dingle	Stream sample u/s of pipe		2009/1300	05-Mar-09	14:45	<	7	1.2	141
Dingle	Surface Water Sampling Point S1		2009/5146	01-Oct-09	16:05	0.22	8.9	< 1	302

Landfill	Location	Sample Reference	Sample Date	Sample Time	Ammonium (NH4)	pH	BOD (O2)	Conductivity @ 20 oC	Chemical Oxygen Demand (O2)	Suspended Solids	Temperature
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### Dingle

No significant impact was noted to date from two set of samples taken at this site. Further samples are required for proper assessment

*David Lenihan MSc*  
**Senior Executive Chemist**

**Attn: Pat Phelan, EE Waste Management**

**27 January 2010**

**Re: Foul Emission Results for Transfer stations: July to Dec 2009**

Please see summary of results so far at this facility. Further samples are needed for a full and proper assessment.

Landfill	Location	Sample Reference	Sample Date	Sample Time	Ammonium (NH4)	pH	BOD (O2)	Conductivity @ 20 oC	Chemical Oxygen Demand (O2)
Dingle	Leachate Sampling Point	2009/1298	05-Mar-09	14:35	0.02	9.4	1.2	166	17

*David Lenihan MSc*  
**Senior Executive Chemist**