



Comhairle Ceantair  
**Lár Uladh**  
**Mid Ulster**  
District Council

6<sup>th</sup> September 2017

To: Councillor McAleer )  
Councillor McGinley )  
Councillor McGuigan ) Mid Ulster District Council  
Councillor Mulligan )  
Councillor Robinson )

Mr A Cassells

Councillor Clarke )  
Councillor Fitzgerald )  
Councillor Rainey ) Fermanagh & Omagh District  
Councillor Shields ) Council  
Councillor Thompson )

Mr B Hegarty

Dear Sir/Madam

**Re: Tullyvar Landfill Site Joint Committee Meeting**

A meeting of the Management Committee for the development of Tullyvar Landfill Disposal Site will be held in the Office at Tullyvar Landfill Site on **Wednesday 13<sup>th</sup> September 2017 at 10.30am.**

1. Confirmation of Minutes of AGM & Ordinary Meetings held on Tuesday 1<sup>st</sup> August 2017 (copies herewith)
2. Matters Arising from the Minutes
3. Financial Matters
  - 3.1 Statement of Payments dated August 2017 (copy herewith)
4. Update from Head of Environmental Services/Site Manager's Report
5. Any Other Business
6. Date of Next Meeting

Yours faithfully

***Andrew Cassells***

---

Director of Environment & Property

Copy:      A Tohill  
              K O'Gara  
              M McAdoo  
              A McIlwrath  
              K McGowan

**MINUTES OF TULLYVAR JOINT COMMITTEE AGM HELD ON TUESDAY 1<sup>ST</sup>  
AUGUST 2017 AT 10.30AM AT TULLYVAR LANDFILL SITE**

**PRESENT:**

**MID ULSTER COUNCIL:**

Councillor McGuigan (Chair)  
Councillors McAleer, Mulligan & Robinson

**FERMANAGH & OMAGH:**

Councillors Clarke, Fitzgerald, Rainey & Shields

**APOLOGIES:**

Councillor McGinley & B Hegarty

*Meeting commenced at 10.30am*

**1. OUTGOING CHAIRMAN'S REMARKS**

The outgoing Chair, Councillor Rainey, welcomed new Members, Councillors McAleer and Robinson to Tullyvar Joint Committee.

The outgoing Chair also thanked Members and Officers for their support and assistance throughout his term in Office. Councillor Rainey called for nominations for Chair.

**2. ELECTION OF CHAIR**

Proposed by Councillor Fitzgerald  
Seconded by Councillor Clarke and agreed

That Councillor McGuigan be elected Chair.

On taking the Chair, Councillor McGuigan thanked Members for his nomination and paid tribute to the outgoing Chair for his guidance and direction during the past year. Councillor Fitzgerald concurred with the remarks made and thanked Councillor Rainey for his leadership at Tullyvar.

**3. ELECTION OF VICE CHAIR**

Councillor McGuigan called for nominations for Vice Chair.

Proposed by Councillor Rainey  
Seconded by Councillor Clarke and agreed

That Councillor Shields be elected Vice Chair.

**4. OVERVIEW REPORT – SITE MANAGER**

The Site Manager delivered a brief presentation giving background detail to the site purchase, development and ongoing operational activities. Copy presentation attached as appendix one.

Following query from Councillor Rainey on tonnage input, the Site Manager confirmed that the site had accepted 1.1 million tonnes of waste to date, however, settlement did increase capacity. It was also noted that the black bin waste content had radically changed from when the business model was completed over 20 years ago and diversion from landfill of materials such as mixed dry recyclables and bio-degradable waste was significant.

Councillor Mulligan sought clarification on the level of gas production given the nature in the waste being landfilled, the Site Manager confirming that the gas production had been good over the past few years due to the intake of organic fines and it was anticipated that it should remain static over the next 2/3 years and reduce thereafter.

For the benefit of new Members, the Site Manager outlined the purpose and method behind the treatment of leachate via the integrated constructed wetlands, highlighting to Members the cost saving and biodiversity benefits derived from the project.

**5. ANNUAL REPORT – SITE MANAGER**

The Site Manager delivered a brief summary report outlining to Members the current financial status of Tullyvar, copy attached as appendix two.

***Meeting ended at 10.45am***

# TULLYVAR LANDFILL SITE

## OVERVIEW

### TULLYVAR LANDFILL SITE – OVERVIEW

#### Background

- Opened 1995
- Jointly owned and managed by Mid Ulster and Fermanagh & Omagh District Councils.
- Accepts a full range of household, inert, commercial and industrial waste each year.
- Tullyvar was one of the first fully engineered landfill sites to be built in Northern Ireland.
- Tullyvar was also one of the first sites in Northern Ireland to harness landfill gas to generate electricity
- Expected closure March 2018 without lining Cell 4.

TULLYVAR LANDFILL SITE – OVERVIEW



TULLYVAR LANDFILL SITE – OVERVIEW



TULLYVAR LANDFILL SITE – OVERVIEW



TULLYVAR LANDFILL SITE – OVERVIEW



## TULLYVAR LANDFILL SITE – OVERVIEW



## TULLYVAR LANDFILL SITE – OVERVIEW

## Void Space

April 2017

Cell	Capacity (M <sup>3</sup> )	Comments
1	36,000	Cell mostly filled with a small portion permanently capped, the remainder is to be filled and capped by 2019
2	0	Cell filled and mostly capped with the remainder is to be Capped in Autumn 2017
3	0	Cell filled and mostly capped with the remainder is to be Capped in Autumn 2017
4a	628,000	Not Constructed



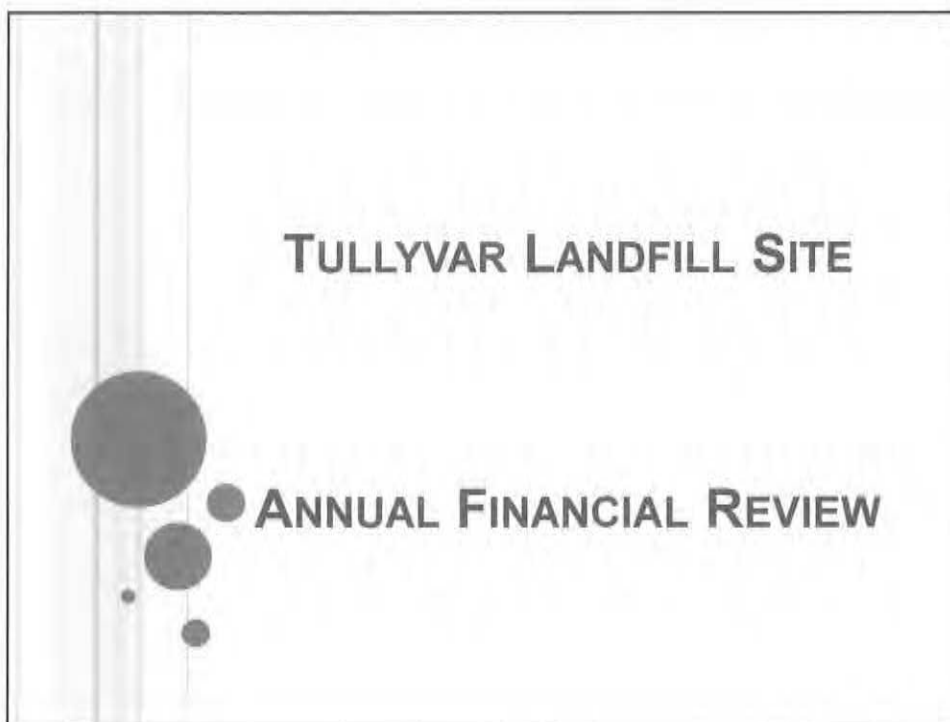
## TULLYVAR LANDFILL SITE – OVERVIEW



## TULLYVAR LANDFILL SITE – OVERVIEW

### Future Developments

- Permanent / Interim Capping of the remainder of Cells 2 & 3 covering approx. 14,000m<sup>2</sup> in Autumn 2017 at a cost of approx. £250,000
- Permanent / Interim Capping of the remainder of Cell 1 covering approx. 16,000m<sup>2</sup> in Summer 2019 at a cost of approx. £300,000
- Development of restoration scheme and investigating potential end uses for the site e.g.
  - Waste Treatment Facility
  - Light Industrial
  - Amenity / Sports



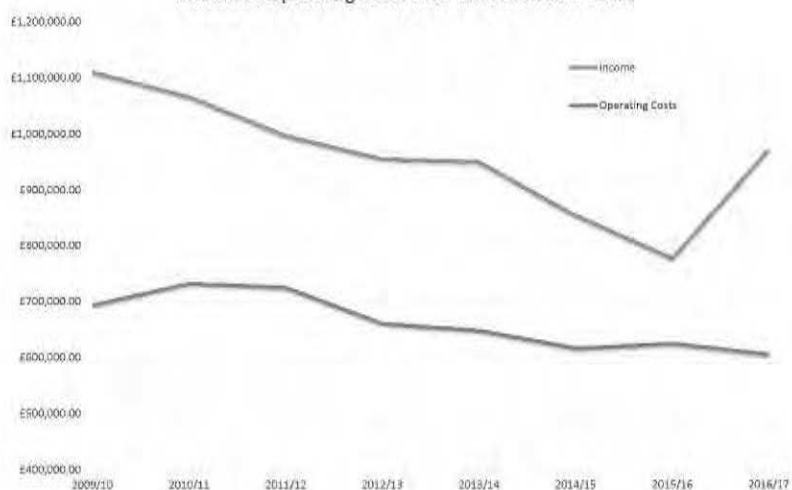
## TULLYVAR LANDFILL SITE – OVERVIEW

## Profit &amp; Loss Account

- Total Income for 2016/17 of approx. £970,000
- Operational expenses for 2016/17 of approx. £605,000
  - Leachate Treatment - £99,000
  - Salaries & Wages - £136,000
  - Plant Hire - £145,000
  - Stones & Cover - £20,000
  - Environmental Monitoring - £25,000

## TULLYVAR LANDFILL SITE – OVERVIEW

Income vs Operating Costs over the Previous 8 Years



## TULLYVAR LANDFILL SITE – OVERVIEW

**Balance Sheet**

▪ Current Assets	-	£3,672,799.63
▪ Current Liabilities	-	£1,743,562.81
▪ Net Current Assets / Liabilities	-	£1,929,236.82

*Other Items*

▪ Projected Discounted Gas Income	-	£1,395,331.41
▪ Projected Discounted C & A Costs	-	£2,226,801.57

**MINUTES OF TULLYVAR JOINT COMMITTEE MEETING HELD ON TUESDAY  
1<sup>ST</sup> AUGUST 2017 AT 10.30AM AT TULLYVAR LANDFILL SITE**

**PRESENT:**

<b>MID ULSTER COUNCIL:</b>	Councillor McGuigan (Chair) Councillors McAleer, Mulligan & Robinson
<b>FERMANAGH &amp; OMAGH:</b>	Councillors Clarke, Fitzgerald, Rainey & Shields
<b>APOLOGIES:</b>	Councillor McGinley & B Hegarty

***Meeting commenced at 10.45am***

**1. CONFIRMATION OF MINUTES – 10<sup>TH</sup> MAY 2017**

The minutes of the above meeting were adopted.

Proposed by Councillor Rainey  
Seconded by Councillor Mulligan and agreed.

**2. MATTERS ARISING**

As per agenda items.

**3. FINANCIAL MATTERS**

**3.1 Statement of Payments dated May, June & July 2017**

The Statement of Payments for the months of May, June and July were presented for approval.

Proposed by Councillor Clarke  
Seconded by Councillor Fitzgerald and agreed.

**4. UPDATE REPORT FROM SITE MANAGER**

The Site Manager's Report was circulated, copy attached as appendix three, reference being made to the undernoted:

**4.1 Treatment of Leachate**

It was noted that the integrated constructed wetlands had enabled diversion of 4750m<sup>3</sup> of leachate for on-site treatment and disposal, thereby, creating savings of £20,000 in tankering and disposal costs.

#### **4.2 Phase 3 Interim Capping**

Following discussion, Members agreed to proceed with the proposed project in line with the outlined project timetable and based on the pre-tender estimate of £250,000.

Proposed by Councillor Mulligan  
Seconded by Councillor McAleer and agreed.

#### **4.3 Adoption of Report**

The Site Manager's report was adopted.

Proposed by Councillor Rainey  
Seconded by Councillor McGuigan and agreed.

### **5. ANY OTHER BUSINESS**

#### **5.1 Fermanagh & Omagh Bio-diversity Committee**

Councillor Rainey sought approval of Tullyvar Joint Committee to accommodate the next F&O Bio-diversity Committee meeting to be hosted at Tullyvar Landfill Site. Members agreed to accommodate the meeting.

#### **5.2 Landfill Gas Claim**

The Site Manager updated Members on current gas claims, outlining the background to each case. It was noted that KPMG had recommended not to proceed any further on the gas element claim, however, a reverse fluff layer claim was pending with an estimated £2.35 million return for Tullyvar pending a successful outcome.

### **6. DATE OF NEXT MEETING**

It was agreed to convene the next meeting on **Wednesday 13<sup>th</sup> September 2017 at 10.30am at Tullyvar Landfill Site.**

***Meeting ended at 11.15am***

**TULLYVAR JOINT COMMITTEE – 1<sup>st</sup> AUGUST 2017****SITE MANAGER'S REPORT****1. Site Operational Update**

During May, June and July approx. 215 tonnes of leachate per week was discharged to Cookstown Sewage Treatment Works with an average Ammoniacal Nitrogen strength of 72.66 mg/l. Due to continuing issues at Moygashel Sewage Treatment Works leachate has not been discharged there since early January. Limited tankering was granted in February to Culmore Sewage Treatment Works and further dispensation was granted for additional loads to Cookstown Sewage Treatment Works. Leachate head levels have been reducing slowly across the site from the winter highs, aided by the drier than normal year to date. It is hoped that normal operation will resume in Moygashel before the winter as long term haulage to Culmore and/or Cookstown would increase haulage costs significantly.

Additionally during this period approx. 1270 m<sup>3</sup> of treated leachate has been discharged through the sites Integrated Constructed Wetlands (ICW). The wetlands has now been discharging to Haddens Burn for 1 full year and has enabled the diversion of 4,750m<sup>3</sup> of leachate to on-site treatment and disposal. Based on average prices for tankering / disposal over the last year, this represents a saving of approx. £20,000.

The electricity generation plant is currently operating at approx. 720kW (90% Capacity). The gas generation plant has now completed its 7<sup>th</sup> full year of operation and in the last year generated 5.75GWhrs. The Renewable Obligation Certificate (ROC) payment figures are not yet available for the full year but extrapolation from previous figures would indicate a payment of approx. £170k will be due in the coming months.

**2. Phase 3 Interim Capping**

Parts of Cells 2 & 3 will be available for capping in autumn 2017. The areas proposed are shown on the attached drawing, outlined in red. The area measures approx. 14,000m<sup>2</sup>, with approx. 3,000m<sup>2</sup> as final capping and restoration and the remainder as an interim cap.



Carrying out the final capping and restoration as soon as possible after the rapid phase of settlement has completed will have major benefits in terms of leachate reduction and visual impact. The interim cap while serving a similar purpose to the final cap is designed to be cheaper to install, utilise leftover geotextiles from the previous capping operation while still being able to be upgraded to a permanent cap with minimal additional works should Cell 4 not be developed.

The proposed project schedule is set out below:

Advertisement of Tenders	2 <sup>nd</sup> August 2017
Return of Tenders:	30 <sup>th</sup> August 2017
Assessment of Tenders:	31 <sup>st</sup> August 2017 – 1 <sup>st</sup> September 2017
Appointment of Contractor:	13 <sup>th</sup> October 2017
Start on Site:	30 <sup>th</sup> October 2017
Contract End Date:	19 <sup>th</sup> January 2018

Approval is therefore sought to proceed with the project, based on the pre-tender estimate cost of £250,000. The monies for this project are already provisioned for in the sites restoration and aftercare fund. Actual tender costs and appointed contractors shall be reported to the next Joint Committee Meeting.

### **3. Cessation of Commercial Waste Acceptance**

At the previous Joint Committee meeting it was agreed that commercial waste acceptance should be halted at the end of June 2017 to ensure sufficient space for the 2 Councils till the end of the financial year. This was to give the Councils sufficient time to ensure alternative arrangements are in place for waste treatment and disposal. Commercial waste acceptance, with the exception of waste that can be used as cover material, was ceased on the 1<sup>st</sup> July 2017. A further survey of the site and void calculation shall be undertaken, following the completion of the Phase 2 Interim Capping works, to ensure that sufficient space exists for the Councils needs.

### **4. Tour of Granville EcoPark Anaerobic Digestion Facility**

A number of Officers and Members attended a trip to Granville EcoPark following the previous Joint Committee Meeting. The trip was to inform members interested in Anaerobic Digestion, which has been a topic for discussion at previous meetings and a potential use for the site post closure. Granville EcoPark accepts around 90,000 tonnes of biowaste per annum and in addition to generating electricity is now producing a clean biogas for export to other facilities such as landfill sites and businesses for electricity generation. An informative talk on the site, its current operations and its plans for the future was given by the site Management prior to a guided tour of the facility.



## TULLYVAR TREASUREERS ADVICE LISTING

09/08/2017

CHEQUE NO	SUPPLIER NAME	£
583	Calvert Office Equipment	223.81
584	JB Plant Hire	240.00
585	Rea bros	440.04
586	Road Safety Contracts	2,867.28
587	Renewable Power NI	3,699.39
588	Pelsis Ltd	863.09
589	BES Solutions	1,313.40
590	PWT	222.00
591	WYG	2,047.19
592	Cootes BM	48.69
593	Cav Kelly	562.56
594	CRL	9,532.80
595	NI Water	9,212.09
596	EPL Hire	42.00
597	Hamilton Contracts	9,679.20

---

**40,993.54**

---