

7th October 2020



Comhairle Ceantair
Lár Uladh
Mid Ulster
District Council

To: Councillor Gildernew)
Councillor Graham)
Councillor McAleer)
Councillor McGuigan) Mid Ulster District Council
Councillor Robinson)

Mr A Cassells

Councillor Clarke)
Councillor Fitzgerald)
Councillor Garrity)
Councillor Rainey) Fermanagh & Omagh District
Councillor Thompson)

Ms A McCullagh

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 Tower Room, Ranfurly House, Market Square, Dungannon on **Wednesday 14th October 2020 at 10.30am**. The option to join the meeting remotely will also be made available. **A MS Teams link will be sent to Members to facilitate remote access.**

1. Confirmation of Minutes of the AGM and Ordinary Meeting held on Wednesday 24th June 2020 (copies herewith)
2. Matters Arising from the Minutes
3. Financial Matters
 - 3.1 Quarterly/6 monthly management report
4. Update from Head of Environmental Services/Site Manager's Report (copy herewith)
5. Any Other Business

6. Date of Next Meetings
- Wednesday 10th February 2021
 - Wednesday 9th June 2021
 - Wednesday 6th October 2021

Yours faithfully

Andrew Cassells

Director of Environment & Property

Copy: A McCreesh
M Smith
M McAdoo
A McIlwrath
K McGowan

**MINUTES OF TULLYVAR JOINT COMMITTEE AGM HELD ON WEDNESDAY 8TH
JULY 2020 AT 10.30AM IN MID ULSTER DISTRICT COUNCIL OFFICES,
CIRCULAR ROAD, DUNGANNON**

PRESENT:

FERMANAGH & OMAGH: Councillor Rainey (Chair)
Councillors Clarke & Thompson

MID ULSTER: Councillors Gildernew (MS Teams)
Councillors Graham, McAleer, McGuigan and Robinson

OFFICERS: A Cassells, M Kelso, M McAdoo, J McCullagh,
K McGowan & A McIlwrath

APOLOGIES: Councillors Fitzgerald & Garrity

Meeting commenced at 10.30am

1. OUTGOING CHAIR'S REMARKS

The outgoing Chair welcomed everyone to the meeting making reference to the impact of Covid-19 upon daily lives. Councillor Rainey, paid tribute to Members and Officers for their support and direction during his time in Office.

2. APOLOGIES

Noted and agreed.

3. ELECTION OF CHAIR

Following discussion it was agreed that Councillor Rainey remain in the Chair for a further term of office.

Proposed by Councillor Thompson
Seconded by Councillor Clarke and agreed.

4. ELECTION OF VICE CHAIR

Following discussion it was agreed that Councillor McAleer continue in the position of Vice Chair for a further term of office.

Proposed by Councillor McGuigan
Seconded by Councillor Graham and agreed.

5. ANNUAL FINANCIAL REVIEW

Report as circulated was outlined by the Site Manager.

Following query from Councillor McGuigan, it was confirmed the figures were accurate and correct at time of going to press.

The Chair sought clarification on the expected duration of the gas income, the Site Manager confirming that gas generation would decrease over the next few years as anticipated, this being the 10th year of the contract. The Site Manager indicated the estimated income for this year was £262,000. It was noted that as gas production fell, the contractor may reduce the size of the gas engine. Tullyvar could consider other options such as importing gas. A Cassells referred to the valuable grid connection on site.

The Chair thanked the Site Manager and Officers for their contributions to operations and effective site management.

Proposed by Councillor Thompson
Seconded by Councillor McAleer and agreed.

Meeting ended at 10.45am

MINUTES OF TULLYVAR JOINT COMMITTEE HELD ON WEDNESDAY 8TH JULY 2020 AT 10.30AM IN MID ULSTER DISTRICT COUNCIL OFFICES, CIRCULAR ROAD, DUNGANNON

PRESENT:

FERMANAGH & OMAGH: Councillor Rainey (Chair)
Councillors Clarke & Thompson

MID ULSTER: Councillors Gildernew (MS Teams)
Councillors Graham, McAleer, McGuigan and Robinson

OFFICERS: A Cassells, M Kelso, M McAdoo, J McCullagh,
K McGowan & A McIlwrath

APOLOGIES: Councillors Fitzgerald & Garrity

Meeting commenced at 10.45am

1. CONFIRMATION OF MINUTES – 12TH FEBRUARY 2020

The minutes of the above meeting were adopted.

Proposed by Councillor Thompson
Seconded by Councillor Rainey and agreed.

2. MATTERS ARISING

2.1 Memorial Request

The Site Manager confirmed progress had been deferred on above until a later date. Councillor Rainey confirmed that he had been contacted regarding the matter.

3. FINANCIAL MATTERS

As per the report previously tabled at the AGM.

4. UPDATE REPORT FROM SITE MANAGER

The Site Manager's report was considered, as previously circulated, reference being made to the undernoted:

4.1 Capping Contract

The Site Manager confirmed that seeding out of the capping contract should be completed prior to the end of the week.

4.2 Chemical Analysis (issues raised in Fermanagh & Omagh Council)

Councillor Clarke referred to issues being raised in F&O Council in relation to chemical analysis (lead, mercury etc.) on materials and any substantive impacts on landfill leachate/site operations. The Site Manager clarified that as Tullyvar was a non-hazardous waste site, predominantly accepting household waste, the impact of heavy metals on leachate with negligible. The Site Manager confirmed that he had provided a detailed analysis report to J McCullagh in F&O for responding to the issues raised.

4.3 Landfill Tax Reclaim

Following discussion and as per the Site Manager's report, Members agreed to move to the next stage in the process.

Proposed by Councillor McGuigan
Seconded by Councillor Thompson and agreed.

4.4 Wetlands Scheme

Following query, the Site Manager confirmed that over 10,000 reeds were planted in the two new ponds. The established wetlands were densely populated with flora, fauna and were working successfully. It was confirmed the existing ponds were treated, managed and monitored regularly.

4.5 Solar Panels

Councillor Robinson sought an update on the feasibility of solar panels/wind turbines on site. A Cassells confirmed the project would be considered in light of the outcome of the landfill tax reclaim if monies were available to invest in the project.

In a follow up query on tree planting, the Member was advised that MUDC had availed of a DAERA fully funded project for tree planting across its three landfill sites.

4.6 Adoption of Report

The Site Manager's Report was adopted.

Proposed by Councillor McGuigan
Seconded by Councillor Thompson and agreed.

5.0 ANY OTHER BUSINESS

5.1 Expression of Sympathy

Councillor McGuigan referred to the recent death of A McIlwrath's Mother and extended condolences to the Officer. The Chair on behalf of the Committee expressed sympathy to the Officer and family circle.

6.0 DATE OF NEXT MEETING

It was agreed that the next meeting be held on **Wednesday 14th October 2020 at 10.30am at Tullyvar Landfill Site.**

Meeting ended at 11.15am

TULLYVAR JOINT COMMITTEE – 14th OCTOBER 2020

SITE MANAGER'S REPORT

1. Site Operational Update

Between June and September 2020 approx. 220 tonnes of leachate per week was discharged to Cookstown Sewage Treatment Works. The NIWater compliance report for the first half of the year was received in August and Tullyvar was deemed compliant, the main results of which are detailed in the table below:

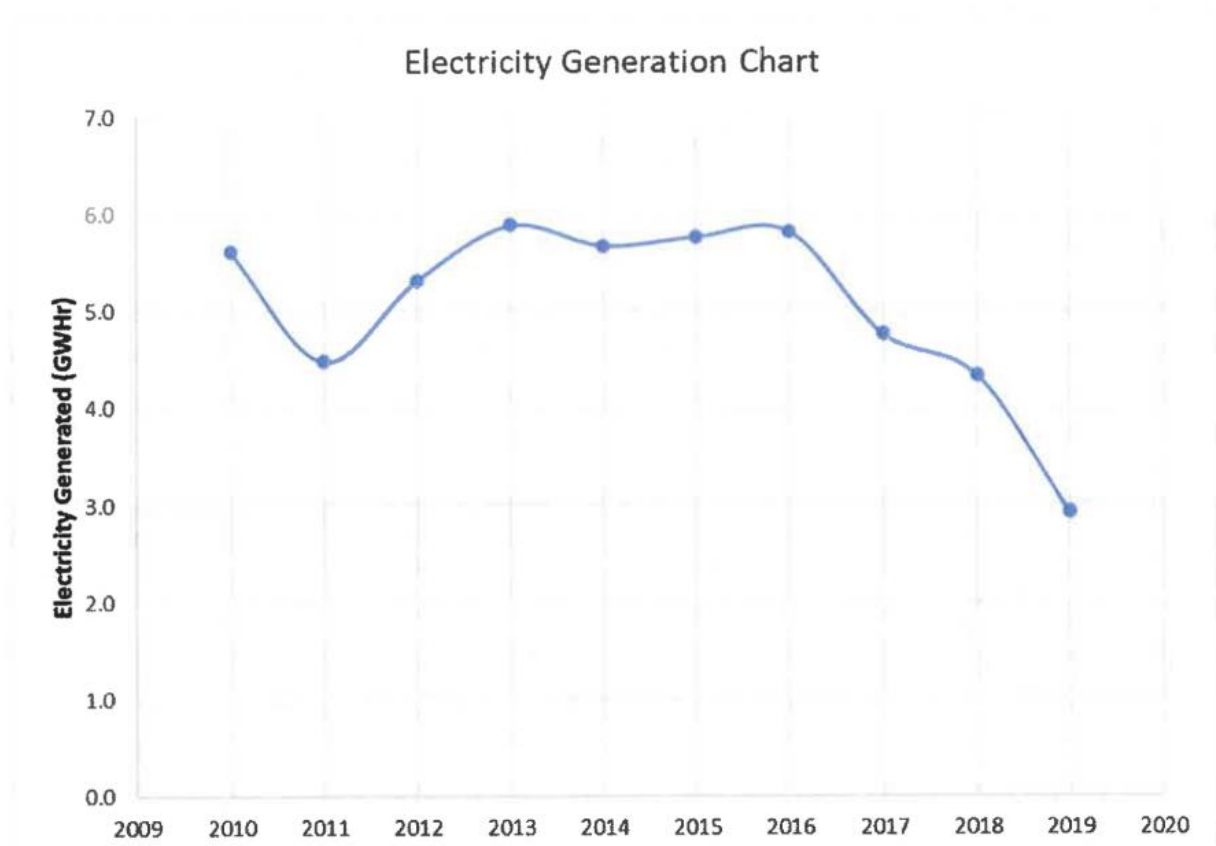
Parameter	Annual Average	Limit	Compliance Score
Ammoniacal Nitrogen	85 mg/l	400 mg/l	100%
Chemical Oxygen Demand	818 mg/l O ₂	2000 mg/l O ₂	100%
Suspended Solids	87 mg/l	500 mg/l	100%
pH	Min 5.40 / Max 6.89	Min 5 / Max 10	100%

Mothballing works completed over the last few months include further regrading works that will prepare Cell 4 for either lining or restoration while reducing erosion and eliminating any unsafe rock faces. Wildflower and wildgrass seed has now been sown by site staff on all newly capped areas. Other minor landscaping works to prepare the site for potential tree planting in May 2021 have also been started.

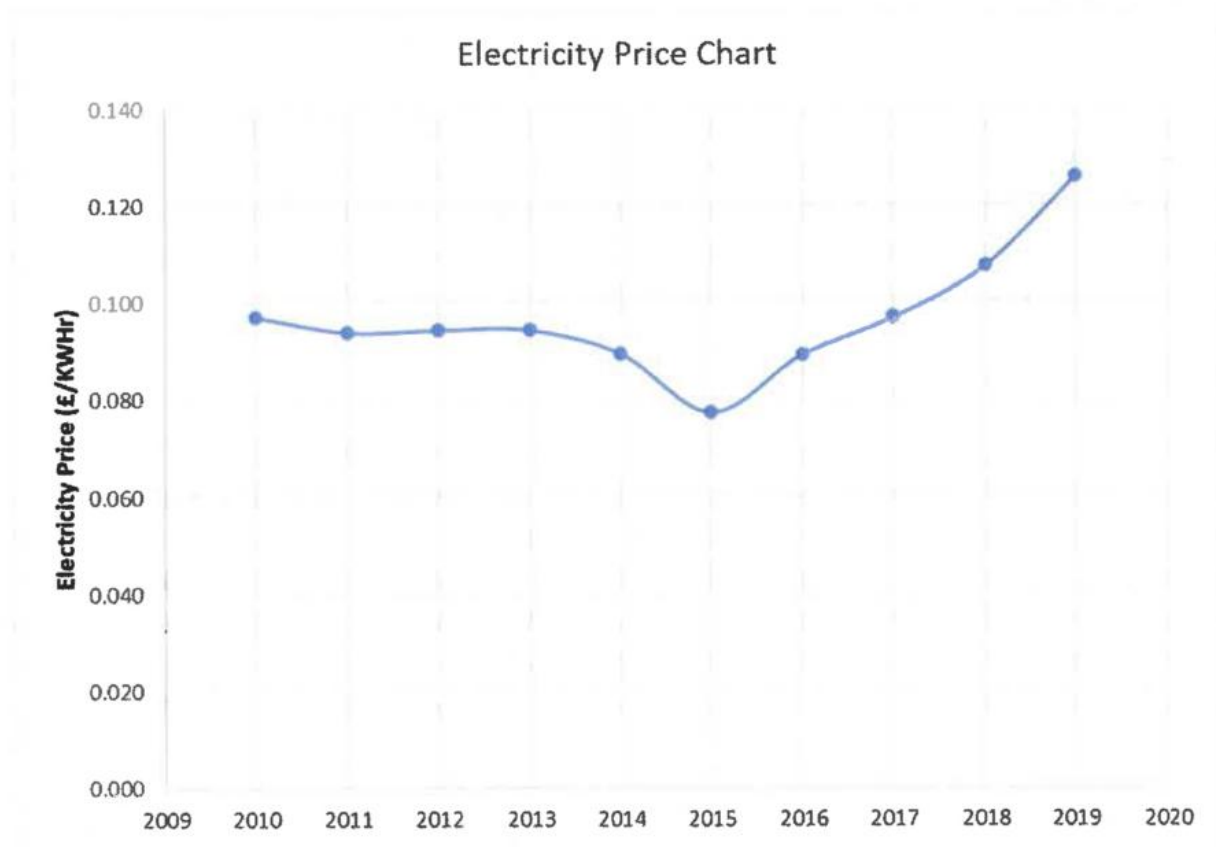
A contract has now been awarded for the crushing and screening of approx. 4,000 tonnes of stockpiled rock that was extracted during the capping and regrading works. These works were awarded at a cost of £9,920 to Contract Ground Services and the resulting aggregate shall be used on-site for the creation of site roads and paths to facilitate environmental aftercare monitoring and potential future public access to the proposed woodland. A further additional £9,950 may be spent on the regrading of the site slopes to facilitate the accelerated timescales of the Forest Expansion Scheme. These are works and expenditure brought forward from the 2021/22 financial year and will allow for planting in April and May 2021.

2. Gas Generation Annual Report

A further year of electricity generation was completed at the end of May 2020 and the annual generation statement has now been received. In the 2019/20 year the site generated 2.92 GWHrs of electricity, a fall of around 33% from the previous year. This can partially be attributed to the capping works which disrupted the gas collection system, however, a downward trend following the mothballing of the site in October 2018 was expected. The electricity generation plant is currently operating at approx. 480kW (60% Capacity). Electricity generation over the last 10 years is presented in the graph overleaf in which this downward trend is evident.



The trend in downward gas generation has been somewhat offset by an increasing electricity price which has been trending upwards since a low in 2015. Historical prices over the last 10 years are presented in the graph below:



Renewable power systems signed a 2 year contract for electricity in April 2020 for a fixed price within the all-island electricity market. This should insulate the site from any price fluctuations due to the COVID-19 disruptions until March 2022. Renewable Power Systems will now be invoiced for £222,568.68, bringing the total income to date from landfill gas to approx. £1,286M. Since it has now been 10 years since generation started this will be the final year in which back payments are made resulting in reduced payments in the future.

3. Tree Planting Grant Application

It was proposed at the previous Joint Committee meeting to create a new native broadleaf woodland at the site using approx. 6,000 locally sown and grown trees. The site has partnered with the consultants Indiwoods who prepared an application for funding under the Forest Expansion Scheme. This was submitted at the end of September and if successful the scheme provides up to 100% of the approved woodland creation costs in addition to a further 2 years of maintenance costs.

The woodland will comprise of just almost 4 Hectares of woodland running along the North, East and Southern boundaries of the site. The area adds to existing areas of forest already on-site and the Integrated Constructed Wetlands. The proposed woodland will predominantly be comprised of the following species; Downy Birch, Silver Birch, Alder, Rowan, Wild Cherry, Aspen, Hazel, Crab Apple, Guelder Rose, Willow, Scots Pine, and Oak. The trees have been specifically chosen to have shallow roots so as to prevent damage to the capping membranes. The only exception is the Oak will only be planted outside the cap, to avoid penetration by the deep tap roots.

At the request of Fermanagh & Omagh District Council the use of alternative bio-safe weed control sprays are currently being investigated in place of Glyphosate, which had previously been proposed.

4. Phase 4 Capping

Works were completed on the Phase 4 Capping of the site at the end of May 2020. The works consisted of the installation of a composite capping system over an area of approximately 17,000m², a set of Integrated Constructed Wetlands to increase leachate treatment capacity and a groundwater drainage line in the floor of Cell 4.

The works were awarded to CivCo for a total price of £488,810.50 plus VAT and contingency. Approval was granted at the Joint Committee Meeting in February to increase the contingency to allow for a total projected expenditure of £579,620.12. The final account has now been agreed at a sum of £544,005.83.

Pictures of the finished cap are presented in the Appendix.

Appendix – Phase 4 Capping Photos



Pictures showing a before (left) and after (right) comparison of the Western Flank of Cell 4 following capping and seeding with wild grasses.



Pictures showing a before (left) and after (right) comparison of the new wetlands following the planting of 10,000 reeds.



Pictures showing a before (left) and after (right) comparison of the finished cap following seeding with wild grasses on the Eastern flank of Cell 1 adjacent to the Site Office and Household Waste Recycling Centre.