



**Good Neighbours Group Meeting**

**Minutes of the 4<sup>th</sup> meeting held on the 20<sup>th</sup> September 2018**

| <b>Present</b>    |  | <b>Abbreviations</b> |
|-------------------|--|----------------------|
| Paul Carey        | Managing Director MEB  | PC                   |
| Ken Walsh         | MVV Head of Resources  | KW                   |
| Rob Bramhill      | Senior Site Manager  | RB                   |
| Pete Lawrence     | Contract Manager MEB   | PL                   |
| Oliver Kautz      | Project Director MEB   | OK                   |
| Andy Malcolm      | Service Manager, Waste Partnership DCC                             | AM                   |
| Allan Melville    | Good Neighbours Group (Hawick Drive Area)                          | AMel                 |
|                   | Good Neighbours Group (Balmoral Tenants and Residents Association) | YT                   |
| Yvonne Tosh       |  |                      |
| Christina Roberts | Bailie for City Council, DCC                                       | CR                   |
| Garvie Jamieson   | Balmoral Residents and Tenants Association                         | GJ                   |
| Mimi Mwasame      | Community Liaison Manager, MEB                                     | MM                   |
|                   | National Waste Incineration Lead & PPC Specialist,                 | TC                   |
| Tracey Curie      | SEPA   |                      |
|                   | Good Neighbours Group (Friends of the Earth                        | JM                   |
| Jackie McKay      | Tayside)   |                      |
| <b>Apologies</b>  |  |                      |
| Nicola Dobson     | Good Neighbours Group (Phoenix Group)                              | ND                   |
| Gregor McGhee     | QHSE Manager, MEB  | GM                   |
| Peter Knapp       | Head of Operation MEB  | PK                   |
|                   |  | Good neighbours -GN  |

| <b>Item</b> |  | <b>Action</b> |
|-------------|--|---------------|
| <b>1</b>    | <b>Review of the last meetings' minutes</b>  |               |
|             | Minutes of the 21 <sup>st</sup> June were approved.  |               |
| <b>2</b>    | <b>Discussions</b>   |               |
|             | <p>OK – See attached report about ongoing construction of the new EFW facility (appendix 1)</p> <ul style="list-style-type: none"> <li>- TC enquired of options around steam testing – OK explained that the LCITP agreed on using Michelin steam instead of using a mobile steam operator. In addition, there will be a silencer installed.</li> <li>- Notification prior to the steam pipeline commission will be distributed.</li> <li>- Tests will only be carried out during the day</li> </ul> <p>RB – Permits to work on weekends will be submitted to DCC</p> <ul style="list-style-type: none"> <li>- Pilling will begin on the week commencing 17<sup>th</sup> December,</li> <li>- Christmas shutdown is between 21<sup>st</sup> December – 4<sup>th</sup> January 2019</li> <li>- Investigation of a noise enquiry from Fiona Piggot, DCC, was found to have emanated from Michelin thus it was amicably resolved</li> </ul> |               |



|          |   |  |
|----------|---|--|
|          | <ul style="list-style-type: none"> <li>- Regarding the flood mitigation works, we've had 8 different meetings with Dighty connect regarding tree stumps, catchment nets for dragonflies and they are happy with our resolution.</li> <li>- We will have a consultation meeting on 27<sup>th</sup> November with residents of Balunie drive</li> <li>- PC- the council are asking for favours to clear shrub to make a car park for the residents on Balunie crescent.</li> </ul> <p>PL – Provided update on the outage. See attached report (appendix 2)</p> <ul style="list-style-type: none"> <li>- Approximately 3% of total waste received was sent to landfill to allow preventative maintenance and because of the high tonnage of waste we receive and are legally allowed to physical store onsite.</li> <li>- No significant injuries were reported throughout the outage</li> </ul> <p>MM – see attached report on community benefits activities (appendix 3)</p> |  |
| <b>3</b> | <b>AOB</b>  |  |
|          | Next meeting will be held on the 21 <sup>st</sup> February at 12.30pm at the site construction offices.   |  |

# Main Project D&A EfW CHP Facility



- Piling Works completed with exception of the tipping hall which will be piled early next year
- Main Staircase and lift shaft completed, first pour of waste bunker wall towards boiler house complete
- FGT slab – rebar in place

# Sub-Project Return Condensate Polishing Plant



- Commissioning completed
- Part 1 of the Performance Tests carried out
- Part 2 of the Performance Tests will follow in October, when condensate from Michelin will be available

# Sub-Project Michelin Steam and Condensate Pipe



- Foundations completed
- Steelwork in the field completed up to the RCPP
- Steelwork assembly under Michelin gantry ongoing
- Pipework assembly ongoing
- LCITP Tests scheduled for 2<sup>nd</sup> and 3<sup>rd</sup> week in October
- Residual works hereafter

MVV Environment Baldovie Ltd's planned autumn shutdown has just concluded on time. Much work was completed during the 21 day outage.

Major refurbishment works were carried out along with other routine tasks. The highlights of this are below:

- Refractory on both furnaces lower walls was removed by ultra-high pressure water jetting, new anchors were installed to hold the refractory and a new coating of refractory was applied.



Figure 1 - Boiler tubes after hydro demolition, MVV staff inspecting tubes and new refractory anchors in place ready to be coated.

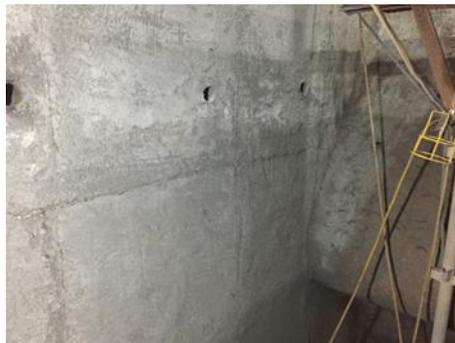


Figure 2 - New refractory (insulating layer) following application.

- The main chain conveyor which takes fuel to the fuel store was renewed. This conveyor chain had worn owing to the aggressive nature of the material it transports. The new chain installed should last a minimum of eighteen months.



Figure 3 - Worn chain, work inside the conveyor and new chain being installed.

- The main belt which carries fuel to the boilerhouse was replaced. The belt which was removed had been in service for over a decade.



Figure 4 - New belt being fitted

- Hammermill one's rotor (which weighs eleven tonnes) was replaced with a rotor which had been refurbished by a local engineering and fabrication company.
- The unserviceable secondary electromagnet which increases the removal efficiency for ferrous metals from 85% to 98% (in comparison to a single stage process) was removed from the top of the building, overhauled by a workshop in Falkirk and then reinstalled.



Figure 5 - Magnet reinstallation

- The economiser banks which are used to preheat the water before it enters the furnace were thoroughly cleaned by high pressure water jetting and inspected for any wear. Any weak areas found were repaired.



Figure 6 - Heat exchanger bundles after cleaning

- The heat exchangers which preheat the combustion air were washed through by MVV's waste attendants.



Figure 7 - MVV Waste Attendant inspecting air preheater

- Internal fuel conveyors had their wear parts replaced to ensure continued operation. In a plant which runs twenty four hours a day, seven days a week it is essential to maintain and replace wear parts such as chains to avoid costly downtime at a later date.



Figure 8 – MVV fitter welding a feed hopper, new chain before installation and an internal fuel conveyor with wear parts replaced.

- Additional pipework was installed to enable the boilers to be filled from different water supplies which will aid maintenance works in future.

- Both cooling water non-return valves were removed and overhauled off site by a company based in Inverkeithing before being craned back in.



Figure 9 - (from left to right) Valve removal followed by reinstallation

- The flue gas treatment plant was thoroughly inspected and any weak areas were replaced.



Figure 10 - Access to and upgrade of the flue gas treatment plant

- The steam turbine and generator had a minor service.

- Both stacks were inspected by steeplejacks and some minor painting works were carried out at both the top and base. This ensures there is no corrosion and that the lightning conductors and earths are in good order to ensure they are in a good state to operate for another twelve months.



Figure 11 - Steeplejacks inspecting and painting a stack

- Areas of plant not accessible during normal operation were inspected by MVV staff and contractors to ensure they were in a condition suitable for continued operation. Some of these as can be seen in the below photograph are very small to fit into or need other parts of the plant removed to gain access.

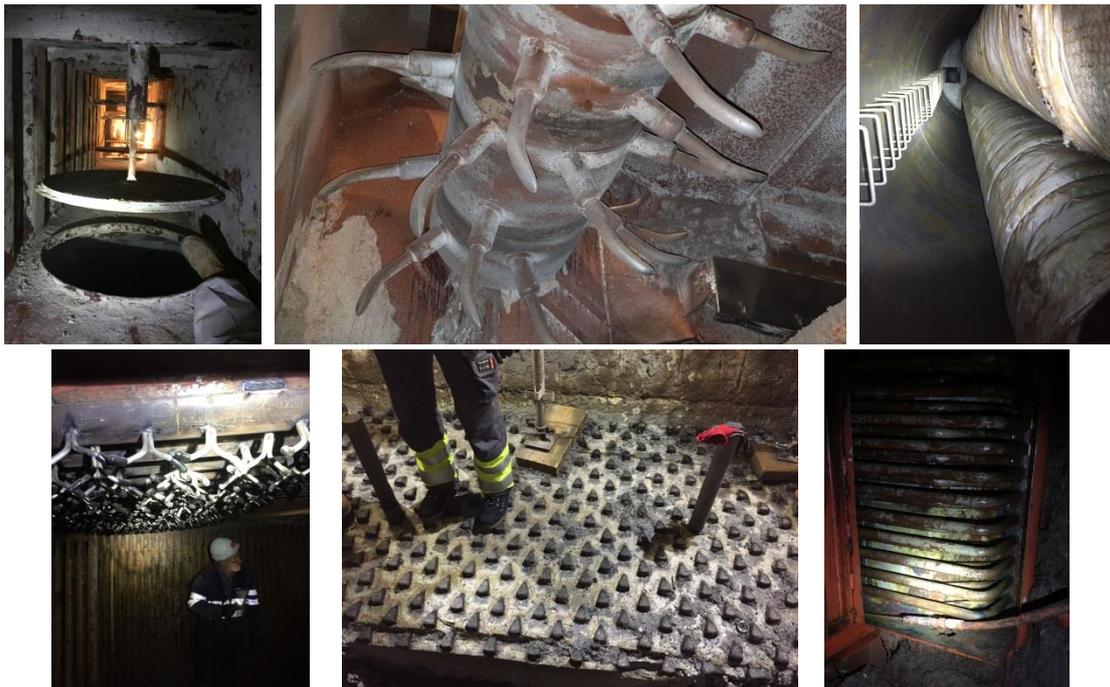


Figure 12 - Plant inspections

Both MVV team and their subcontractors put in a huge amount of time and effort to ensure that the project was completed safely and on time.

The work carried out should ensure trouble free operation of the plant until the next scheduled outage in March 2019.



**Figure 13 - Team photo of the staff and contractors remaining on site (from a peak of 90) during the final week of the shutdown**

## **Community Benefits and Activities**

### **The following took place in the month of June,**

- 14<sup>th</sup> June – As part of MEB's commitment to knowledge and information sharing, Peter Knapp (Head of Operations and Maintenance) provided an MEB EfW presentation to Dundee & Angus college and CEED.
- 18<sup>th</sup> June – MEB held a Tree planting ceremony / Ground breaking ceremony to celebrate the commencement of construction of the Residual Waste Treatment (RWT) facility. MVV Energie CEO Dr Muller, the leaders and Lord Provosts of Dundee City and Angus Councils and the Michelin Baldovie Plant Manager were in attendance along with key stakeholders from region including the Good Neighbours Group.
- 19<sup>th</sup> June – We hosted and provided a facility tour to a small delegation from Dundee's sister UNESCO City of Design, Geelong in Australia, including Mayor Harwood and Director of Economics Tim Ellis.
- 21<sup>st</sup> June – The quarterly Good Neighbours meeting was held at the site construction offices. This meeting saw the signing of the Good Neighbours Charter

### **The following community engagement activities occurred during the month of July:**

- 3<sup>rd</sup> July – MEB had its first two interns start from University of Dundee. Their placements finish at the end of August.
- 13<sup>th</sup> July – MEB distributed late night working notices to residents in Kilwinning Place, Maybole Place, Montpellier Gardens, Hawick Drive, Balumbie Road, Balunie Drive, Balmoral Avenue

### **The following community engagement activities occurred during the month of August:**

- 1<sup>st</sup> August – A MEng Chemical and Process Engineering student, began her internship working on the commissioning of the RCCP.
- 3<sup>rd</sup> August – Notice were issued to the adjacent scrapyard owner regarding the eradication of giant hogweed and concerns over speeding vehicles along the Forties Road.
- 23<sup>rd</sup> August – Mimi Mwasame, Community Liaison Manager spoke at the 'What does CSR really mean to business' event organised by the Dundee and Angus Chamber of commerce, hosted in partnership with The Circle Dundee and sponsored by Towergate.
- 31<sup>st</sup> August – MEB was the principal sponsor (£3000) for the Dundee Food and Flower festival Pocket Garden Competition.