

WASTE AND RECYCLING COMMITTEE

Date: 12th March 2020

Subject: Asset Management Plan Update – Part A

Report of: Head of Engineering and Asset Management – Waste and Resources

PURPOSE OF REPORT

To provide members with an update on the Waste and Resources asset management plan and current capital engineering projects.

RECOMMENDATIONS:

The Committee is recommended to:

- i) Note the contents of the report.

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Equalities Implications – Not Relevant to report

Risk Management – Contained in the body of report

Legal Considerations – Contained in the body of the report

Financial Consequences – Contained in the body of the report

Financial Consequences – Capital – See Appendix B

Number of attachments to the report: 2 Appendices

Asset Management Plan 2019-20 Action List Update Q4 2020 Part A Appendix A
Capital Programme 2018-22 Update Q4 2020 Part A Appendix B

BACKGROUND PAPERS:

Asset Update report, Waste and Resources Committee 14th November 2019

TRACKING/PROCESS		
Does this report relate to a major strategic decision, as set out in the GMCA Constitution		No
EXEMPTION FROM CALL IN		
Are there any aspects in this report, which means it should be considered to be exempt from call in by the relevant Scrutiny Committee on the grounds of urgency?		No
GM Transport Committee	Overview & Scrutiny Committee	
Not applicable	Not applicable	

1. INTRODUCTION

This report provides Members with updates relating to the Waste and Resources team asset portfolio. Updates are provided for key projects focusing on progress leading into quarter 4 between January and March 2020. Waste and Resources assets are managed by the Engineering team and fall into the following categories:

(A) - Operational Waste Facilities
<ul style="list-style-type: none">• WRMS Contract Facilities - Lot1 28 waste processing and reception facilities across 11 locations.• WRMS Contract – Lot 2 11 Household Waste Recycling Centers
(B) - Buildings and Land
<ul style="list-style-type: none">• Includes vacant land and building premises at 8 locations
(C) - Closed Landfill Sites
<ul style="list-style-type: none">• 4 Closed landfill sites managed by GMCA• 18 Closed landfill sites managed by POS Landcare

2. 2020 QUARTER (4) UPDATES

This section provides individual updates against selected projects across the Waste and Resources Asset categories.

2.1 Category (A) Updates

2.1.1 Bredbury and Cobden Street (MTR's)

2.1.2 Background

In 2016-17, the former GMWDA embarked on a budget saving proposal to simplify existing Mechanical Biological Treatment (MBT) facilities, converting the sites to Mechanical Treatment and Reception (MTR) facilities. The key principals of that review were to simplify the technologies by removing the Biological element of treatment, reduce operational costs, reduce maintenance requirements and increase throughput efficiencies. Works have subsequently been undertaken at Cobden Street, Salford and Bredbury Parkway, Stockport.

2.1.3 Bredbury - Update

Work at Bredbury commenced in May 2019 with the appointed civils contractor to demolish and erect new push wall arrangements internally. The Civil works at this site were more significant than Cobden Street and involved re-shaping the tipping hall floor, infilling of the sub-basement level and erection of a new push wall layout. At Bredbury, 2 new compactor units were procured and integrated with new conveyor installations. The existing shredder was retained, serviced and upgraded as part of the works.

Overall completion and handover to Suez was achieved on Monday the 10th of February 2020. Delays during warm commissioning were experienced in December and January delaying the final 5-day plant test until February. Delays encountered were due to failed sub-contracted components and software issues associated with the new compactors. All concerns were addressed prior to testing and daily plant performance during test was significantly in excess of the minimal contract requirements proving the functionality and performance output for the new installation. The new plant is capable of processing 120,000 tonnes of municipal waste per year for production of Refuse Derived Fuel (RDF).

2.1.4 Cobden Street - Update

Work at Cobden Street commenced in April 2019 with the appointed civils contractor to demolish and erect new push wall arrangements internally. Existing mechanical plant, such as the pre-shredder and 2 compactors were retained and serviced as part of the mechanical works package. Mechanical installation and handover of the new MTR was completed on Monday 16th of September 2019.

Since completion and handover to Suez the plant has consistently achieved its contractual availability at 90% each month. It is also consistently meeting an hourly throughput 31T/hour. The plant is capable of processing 100,000 tonnes of municipal waste per year for production of Refuse Derived Fuel (RDF).

2.2 Category (B) Updates

2.2.1 The following section provides individual updates on selected sites and associated capital projects.

2.2.2 Dunkirk Farm

The Dunkirk Farm site is located in Hyde adjacent to Dunkirk Lane closed landfill, which the former GMWDA sold to POS Landcare in 2012. The Farm and the associated buildings were retained by GMWDA as a potential development opportunity. In recent years, the site has had various offers to purchase fail. The most recent offer to buy the site was received in June 2019 by a local business proposing to retain the buildings and refurbish the site for the provision of a respite facility for fostered children and their families with the provision of a petting farm.

This offer was approved by GMCA's land and property team in September 2019. Actions to conclude the sale are delayed but currently ongoing.

2.2.3 Hardy Lane

Hardy Farm Pumping Station (PSTN) is located off Hardy Lane in Chorlton, it conveys treated leachate flows from the Barlow Hall closed landfill upstream to the local sewer network. Treated effluent from the PSTN is transferred up to Hardy Lane via a rising main that pumps leachate approximately 300 meters up to a local gravity sewer. Pumping from Barlow Hall

has been on hold since December 2019 due to a leak within the rising main. Initial investigations have uncovered a damaged section of rising main beneath the highway at Hardy Lane adjacent to the Metro Link service between Manchester and the Airport.

The engineering team are working with TFGM and MCC to plan further site investigations while also reviewing possible repair options. The rising main benefits from a standby line not currently connected to the PSTN and our preferred option is to adapt this line locally to the PSTN as this will reduce impact and disruption at Hardy Lane while reducing the risk of working directly adjacent to the Metro Line and Highway. A resolution to the issue is expected by the end of March 2020.

2.2.4 Other Assets

No significant works or capital projects are ongoing or planned at other category B locations.

2.3 Category (C) Updates

2.3.1 Waithlands

Waithlands closed landfill site (also referred to Chichester Street) is located in Rochdale. It does not contain on-site plant or infrastructure, gas and water monitoring is undertaken on a monthly basis from monitoring boreholes. The focus at the site in recent years has been to monitor a steep embankment located to the North of the landfill and adjacent to the River Roch. During 2018-19 site investigation (SI) works were undertaken to obtain geotechnical data on the slope area. Findings from those investigations have suggested the slope area is not at immediate risk of slippage, however it did recommend further monitoring and intrusive SI works should be undertaken to gain a better understanding of soil conditions and risk.

2.3.2 Waithlands Culvert

The site also contains a large buried culvert, which passes from South to North conveying combined water flows from an upper catchment area in Rochdale directly to the River Roch. A secondary link exists on the Western boundary with both lines linking within GMCA land prior to the culvert connection and outfall at the River Roch.

As the culvert passes beneath land owned by GMCA the risk for that section of Culvert is a GMCA responsibility, this is based on legislation, which defines a landowner as the Riparian Owner responsible for its condition and maintenance. An asset of this nature and size is a risk and the Engineering team have recently undertaken an initial condition survey of the culvert focusing on the western section. Findings from this survey confirm the main pipeline was in good condition and a second survey of the main line is now required. The other section could not be surveyed due to large silt deposits making access and observations impossible. Prior to the next survey, the culvert will be cleared by jetting and vacuumation,

this work will now take place in later in the year when weather conditions are more favorable.

2.3.3 Other GMCA Landfills

No significant works or capital projects are ongoing at other category C locations. Capital projects in the next financial period for 2020-21 are planned at Bredbury and Waithlands, please refer to Appendix B for further information.

2.3.4 POS Landcare Sites

Updates for POS landfills are provided as a separate Part B report due to commercially sensitive content.

3. ASSET MANAGEMENT PLAN 2019-20 UPDATE

Status updates against the 2019 -20 Asset Management Plan Action List are provided within Appendix A.

4. CAPITAL PROGRAMME UPDATE

Status updates against the 2018-22 capital programme are provided within Appendix B.