

**Subject:** ENVIRONMENTAL OFFICER REPORT ON APPLICATION IP/0003/19 - Determination of application for the renewal of IP0007/13/A IPPC permit for the Malta North Waste Treatment Plant submitted by Wasteserv Malta Ltd., to operate a mechanical and biological waste treatment plant at the Magħtab Environmental Complex l/o Naxxar.

**Date:** 23rd July 2020

## Case Officer Report

### 1. Application details:

1.1	<b>Applicable Policy</b>	Environment Protection Act (CAP. 549)  S.L. 549.76 Industrial Emissions (Framework) Regulations  S.L. 549.77 Industrial Emissions (Integrated Pollution Prevention and Control) Regulations
1.2	<b>Press dates</b>	29th August 2020
1.3	<b>Application type</b>	Renewal of IPPC Permit
1.4	<b>Applicant</b>	WasteServ Malta Ltd.
1.5	<b>Date of receipt of (renewal/variation) request</b>	17 <sup>th</sup> May 2019
1.6	<b>Date of receipt of consolidated application</b>	24 <sup>th</sup> February 2020
1.7	<b>Documents being recommended for approval</b>	1) Mechanical Treatment Plant Layout Plan 2) Anaerobic Digestion Plant Layout Plan 3) CPD Conditions on Fire Safety
1.8	<b>Proposal</b>	Mechanical waste treatment plant with anaerobic digester
1.9	<b>Location</b>	Għallis, l/o Naxxar
1.10	<b>Site description and constraints</b>	Adjacent to the Għallis and Ta' Żwejra non-hazardous engineered landfills, treating most of the waste destined for landfill in Malta, thus serving to address the pre-treatment obligations of The Waste (Landfill) Regulations, S.L. 549.29.

	Various shared infrastructure such as the quarantine area, weighbridge, access roads and diesel storage area.
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## 2. Background

2.1	<b>Policy Context</b>	<p>Environment Protection Act (CAP. 549)</p> <p>S.L. 549.77 requires installations carrying out activities as listed in section 5.3(b)(i) of Schedule 1 to apply and obtain an IPPC permit prior to operations: “Recovery of non-hazardous waste with a capacity exceeding 75 tonnes per day involving biological treatment”</p> <p>S.L. 549.77 also requires installations carrying out the abovementioned activities to take all necessary actions aimed at the removal, control, containment and reduction of relevant hazardous substances, so that the site ceases to pose any significant risk to human health and the environment due to the contamination of soil and water as a result of the permitted activities.</p>																														
2.2	<b>Justification for Application</b>	Application for renewal of IPPC permit IP 0007/13/A.																														
2.3	<b>Permit History</b>	<p>A summary of the Permit process is indicated below</p> <table border="1" data-bbox="448 999 1412 1986"> <thead> <tr> <th>Detail</th> <th>Date</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Application 0007/13</td> <td>IP Received on 1 November 2013</td> <td>Not 'duly made'</td> </tr> <tr> <td>Response to request information</td> <td>Request dated 1 April for 2014</td> <td>Responses dated 30 September 2014 Not 'duly made'</td> </tr> <tr> <td>Response to request information</td> <td>Request dated 3 December 2014.</td> <td>Response received 3 February 2015 Not 'duly made'</td> </tr> <tr> <td>Response to request information</td> <td>Request dated 12 March for 2015</td> <td>Response received 1 April 2015 Not 'duly made'</td> </tr> <tr> <td>Response to request information</td> <td>Request dated 16 April for 2015</td> <td>Response received 23 April 2015.</td> </tr> <tr> <td>Response to request information</td> <td>Submission of Land and Ground Water Risk Assessment dated 6 November 2014</td> <td>Assessment accepted and request for baseline report dated 20 January 2015. Report Submitted 26 February 2015</td> </tr> <tr> <td>Response to request information</td> <td>Request for consolidated version dated 11 May 2015</td> <td>Consolidated version received 15 May 2015</td> </tr> <tr> <td>Public consultation</td> <td>Commenced on 30 May 2015</td> <td>Concluded on 29 June 2015</td> </tr> <tr> <td>Permit determined</td> <td>22<sup>nd</sup> October 2015</td> <td>Permit number: IP 0007/13/A Permit issued 13 November 2015 Permit expired on 13 November 2019</td> </tr> </tbody> </table>	Detail	Date	Comment	Application 0007/13	IP Received on 1 November 2013	Not 'duly made'	Response to request information	Request dated 1 April for 2014	Responses dated 30 September 2014 Not 'duly made'	Response to request information	Request dated 3 December 2014.	Response received 3 February 2015 Not 'duly made'	Response to request information	Request dated 12 March for 2015	Response received 1 April 2015 Not 'duly made'	Response to request information	Request dated 16 April for 2015	Response received 23 April 2015.	Response to request information	Submission of Land and Ground Water Risk Assessment dated 6 November 2014	Assessment accepted and request for baseline report dated 20 January 2015. Report Submitted 26 February 2015	Response to request information	Request for consolidated version dated 11 May 2015	Consolidated version received 15 May 2015	Public consultation	Commenced on 30 May 2015	Concluded on 29 June 2015	Permit determined	22 <sup>nd</sup> October 2015	Permit number: IP 0007/13/A Permit issued 13 November 2015 Permit expired on 13 November 2019
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		<p><i>Requested variation to extend hours of operation</i>      <i>Request dated 26<sup>th</sup> June 2017</i>      <i>Variation issued by Director of Environment &amp; Resources on 21<sup>st</sup> August 2017</i></p> <hr/> <p><i>Renewal application submitted</i>      <i>17<sup>th</sup> May 2019</i>      <i>Response dated 17<sup>th</sup> May 2019</i></p> <hr/> <p><i>Application considered as "duly made"</i>      <i>30<sup>th</sup> January 2020</i>      <i>Consolidated application received 27<sup>th</sup> February 2020</i></p> <hr/> <p><i>Public consultation</i>      <i>Commenced on 29<sup>th</sup> February 2020</i>      <i>Concluded on 14 March 2020</i></p> <hr/> <p><i>Regulatory Consultation on draft permit</i>      <i>Commenced on 7<sup>th</sup> May 2020</i>      <i>Concluded on 22 May 2020</i></p> <hr/> <p><i>Consultation with operator on draft permit conditions</i>      <i>Commenced on 25<sup>th</sup> May 2020</i>      <i>Concluded on 09 June 2020</i></p>
<b>2.4</b>	<b>Compliance History</b>	<p>Throughout the lifetime of the previous permit, 14 routine inspections were carried out on site, along with a further 4 inspections triggered by a specific non-compliance issue related to the monitoring of operations during the malfunctioning of part of the plant's conveyor belt system (all 4 carried out during the same week in September 2019). For a time, the AD Plant was also being used to carry out rudimentary sorting of black bag waste, however this activity ceased in 2018.</p> <p>The main recurring non-compliances on this site relate to fast-roller shutter doors and other side doors being left open (increasing the potential for escape of odorous emissions), some loose waste outdoors in the baled waste storage area, and the occasional lack of notification of breakdown of the plant which would lead to redirection of waste to landfill.</p> <p>The only pending IP Item is Item 7 (to obtain a Sewer Discharge Permit), however this was applied for in 2017. The AER for 2019 has been submitted to ERA accordingly.</p> <p>No complaints specifically indicating the Malta North MBT have been received; however 6 odour complaints were received between 2017-2019 related to the Magħtab Environmental Complex. Site was issued an administrative fine in relation to observation of doors to the MBT being left open hence allowing the escape of odours (IF2416/19-F SO0159) issued on 28th January 2020.</p>

### 3. Non Technical Summary of Activities

3.1	Proposed activities	Activity listed in Schedule 1 of the Industrial Emissions (IPPC) Regulations / Associated Activity	Description of specified activity	Limits of specified activity
		Section 5.3(b)(i): Recovery of non-hazardous waste with a capacity	Collection, sorting, preliminary treatment, baling and storage of	From receipt of raw waste to sorting, baling and storage

		exceeding 75 tonnes per day involving biological treatment	permitted non-hazardous wastes	of material for a temporary period.
		Operation of a Mechanical Treatment Plant (MTP)	Dry mechanical treatment of municipal and bulky waste— Collection, sorting, baling and storage of waste	From receipt of raw municipal and bulky non-hazardous waste to inspection, separation, baling and temporary storage of material.
		Operation of AD Plant	Wet mechanical treatment – production of biological waste suspension (slurry) through mixing, screening and sedimentation  Biological treatment – hydrolysis and digestion of the biological waste suspension (slurry) and animal manure	From receipt of raw waste fraction to treatment and production of biological waste suspension (slurry).  From receipt of the biological waste suspension (slurry) from MTP, liquid manure from cow farms and solid manure from chicken farms, to treatment (digestion) and production of the liquid digestion residue.
		Associated activity of general maintenance and repairs	Aerobisation – aeration of the liquid digestion residue, dewatering and compost storage	From receipt of the liquid digestion residue to aeration, dewatering and storage of the dewatered substrate.
			Maintenance and repair/s on equipment and/or machines within the installation (MTP/AD).	From maintenance/repair activity to appropriate recovery/disposal of any waste generated on site.

			Truck and wheel washing area for cleaning of vehicles	From cleaning of vehicles which exit the site to appropriate disposal of wash waters.														
		Associated activity of utilities	<p>Associated pipework linking the MTP and AD plant</p> <p>Associated activity of mitigation of emissions, including operation of the biofilter, fast-roller shutters and air curtains</p> <p>Associated activity of biogas production, handling and utilisation</p> <p>Associated activity of waste water treatment plant</p> <p>Associated activity of utilities including operation of boiler and 2 generators</p>	<p>Transport of process water from the MTP to the AD plant for processing, and associated bunding.</p> <p>Mitigation of emissions of odorous air from installation.</p> <p>From generation and storage of biogas to production of power and heat (CHP).</p> <p>From receipt of process water to production of clean water.</p> <p>From receipt of fuel to production of utility.</p>														
3.2	Applicable BREFs	Best available techniques (BAT) specified in the BREF for Waste Management Industries (published August 2018)																
3.3	Proposed emissions and mitigation	<p><b>Emissions to the Air</b></p> <p>The proposal includes the following emissions points from stationary sources.</p> <table border="1"> <thead> <tr> <th>Emission point references</th> <th>Source</th> </tr> </thead> <tbody> <tr> <td>PS 1</td> <td>MTP Emergency diesel generator</td> </tr> <tr> <td>PS 2</td> <td>AD Emergency diesel generator</td> </tr> <tr> <td>PS 3</td> <td>AD Emergency flare</td> </tr> <tr> <td>PS 4</td> <td>AD CHP Station 1</td> </tr> <tr> <td>PS 5</td> <td>AD CHP Station 2</td> </tr> <tr> <td>PS 6</td> <td>AD Boiler</td> </tr> </tbody> </table>			Emission point references	Source	PS 1	MTP Emergency diesel generator	PS 2	AD Emergency diesel generator	PS 3	AD Emergency flare	PS 4	AD CHP Station 1	PS 5	AD CHP Station 2	PS 6	AD Boiler
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		PS 7	MTP Biofilter
		PS 8	AD Biofilter
		PS 9	Compost shed
		<p><b>Emissions to the sewer</b></p> <p>Applicant has not yet applied for a Public Sewer Discharge Permit and below feedback from WSC refer.</p> <p>No discharges of trade effluent into the sewer (whether from off-site or on-site discharge points) are allowed, unless specifically permitted by the Water Services Corporation. Prior to any discharge of trade effluent, the Permit Holder must provide evidence of authorisation including the Public Sewer Discharge Permit from the Water Services Corporation to the Authority.</p> <p><b>Emissions to the surface and groundwater</b></p> <p>There are no permitted emission points to surface and groundwater.</p> <p><b>Emissions to land</b></p> <p>There are no permitted emission points to land.</p> <p><b>Noise and vibration</b></p> <p>Although the noise monitoring carried out as part of the past IPPC permits did not reveal any significant noise issues, the IPPC permit requires noise monitoring to be carried out annually according to the latest Environmental Monitoring Programme approved by the Authority.</p> <p><b>Waste Management</b></p> <p>The facility may accept non-hazardous waste as described in Section 3.1 above. Other unauthorised waste which inadvertently enters the site will be diverted to the quarantine area for off-site transfer to another permitted facility.</p> <p>Standard Operating Procedures covering the incoming waste process have been submitted as part of this application. All documentation regarding practices have been revised according to the Best Available Techniques for Waste Treatment Industries published in October 2018.</p>	

#### 4. Consultations

4.1	Internal	<p><b>Biodiversity and Water Unit (BWU):</b></p> <p>No comments since no surface water discharges are being proposed.</p> <p><b>Air Quality and Waste Unit (AQWU):</b></p>
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		<p><u>On application</u></p> <hr/> <p>Requested to monitor emissions to air from the anaerobic digester and present the resultant annual emission loads. Provided terms of reference for noise monitoring.</p> <p><u>On permit</u></p> <p>Requested annual reporting of waste amounts processed by anaerobic digester.</p> <p><b>Environmental Assessment Unit (EAU):</b></p> <p><u>On application</u></p> <p>Asked for confirmation that no variation is being proposed as otherwise an EIA update would be required.</p> <p><u>On permit</u></p> <p>No comments</p> <p><b>Compliance and Enforcement Directorate (CED):</b></p> <p>Provided comments and suggested amendments to various conditions from a CED perspective.</p>	
4.2	External	<p><b><i>Civil Protection Department</i></b></p> <hr/> <p><u>On application</u></p> <p>Provided Approved Document IP0003/19/DOC3 with various site-specific fire safety measures.</p> <p><u>On permit</u></p> <p>No feedback provided.</p> <p><b><i>Energy and Water Agency</i></b></p> <hr/> <p><u>On application</u></p> <p>No feedback provided.</p> <p><u>On permit</u></p> <p>Requested clarifications on certain conditions regarding groundwater. High Level Improvement Program items are still pending from IP 0007/13/A.</p> <p><b><i>Occupational Health and Safety Authority</i></b></p> <hr/> <p><u>On application</u></p>	

		<p>Requested confirmation that site is not within the scope of the Control of Major Accidents (COMAH) Regulations L.N. 179/2015 in view of biogas and other dangerous substances.</p> <p><u>On permit</u></p> <p>Contacted the operator and following submission of calculations and it was confirmed that the site is within scope of the COMAH Regulations.</p>	
		<p><b>Planning Authority</b></p> <p><u>On application</u></p> <p>Requested clarification on drawings showing circulation route and CHPs.</p> <p><u>On permit</u></p> <p>No feedback was provided.</p>	
		<p><b>REWS</b></p> <p><u>On application</u></p> <p>Require that applicant notifies and register any storages of petroleum products on site with the Regulator for Energy and Water Services (REWS).</p> <p><u>On permit</u></p> <p>Requested registration of generators and fuel storage areas. All petroleum-filling sites are to be authorized by REWS.</p>	
		<p><b>Environmental Health Directorate</b></p> <p><u>On application</u></p> <p>Suggested conditions on water runoff, litter, pest control, unpredictable impacts of development.</p> <p><u>On permit</u></p> <p>Requested clarifications and inclusion of conditions regarding pest control measures.</p>	
		<p><b>Malta Resources Authority</b></p> <p><u>On application</u></p> <p>No feedback provided.</p> <p><u>On permit</u></p> <p>No feedback provided.</p>	

		<p><b>Water Services Corporation</b></p> <p><u>On application</u></p> <p>Ongoing discussions with applicant on the Voluntary Undertaking agreement for Public Sewer Discharge Permit is achieved. Requested BOD and COD/BOD rates for wastewater generated by the Sequence Batch Reactor process.</p> <p><u>On permit</u></p> <p>Requested inclusion of further conditions concerning discharges to sewer, employed to obtain a Public Sewer Discharge Permit. Suggested the installation of an online wastewater monitoring system. Discussed the role of WSC and ERA in following up and enforcing certain conditions.</p> <p><b>Malta Competition and Consumer Affairs Authority</b></p> <p>No feedback provided</p>	
<b>4.3</b>	<b>Operator</b>	<p>The operator submitted updated layout plans for the Mechanical Treatment Plant (MTP) and Anaerobic Digester Plant (AD). It was explained that the site makes use of weighbridges and wheel washing equipment in other areas within the Magħtab Environmental Complex which are covered by separate IPPC permits, namely, the Għallis and Ta' Żwejra landfills. WasteServ Malta Ltd. clarified that the technical specifications of both Combined Heat and Power (CHP) plants indicate that the emission limit value for Oxides of Nitrogen stipulated in S.L. 549.122 cannot yet be reached. The existing petroleum-filling stations shall be decommissioned in accordance with any applicable requirements of the Regulator for Energy and Water Services.</p> <p>Operator also requested the inclusion of other EWC codes similar in nature to those already permitted. These include:</p> <ul style="list-style-type: none"> <li>• separated recyclable metal waste which enters the site for storage pending export,</li> <li>• wood and other treated waste destined for recycling which is processed in the Bulky waste line</li> <li>• street cleaning residues which is treated along with the mixed municipal waste.</li> </ul> <p>The plant's waste processing throughput and the plant's maximum capacity will remain unchanged. In view that the inclusion of these waste streams is considered to have negligible environmental effects and its consequences are limited to a modification of reporting procedures, such change was not considered as "substantial" according to S.L. 549.77 and thus an application for variation was not required.</p>	

## 5. Public consultation

<b>5.1</b>	<b>Public consultation</b>	Representations received: One submission was received and is available on the ERA website together with ERA's and the operator's replies
<b>5.2</b>	<b>Response</b>	Directorate's comments: No further comments from an environmental perspective.

## **6. Discussion**

<b>6.1</b>	<p>IPPC permit IP 0007/13/A to operate the Malta North Waste Treatment Plant covering activities related to waste mechanical treatment and anaerobic digestion was granted to Wasteserv Malta Ltd. (WSM) on 6<sup>th</sup> November 2015 for a period of four years. In order to enable WSM to complete the IPPC process and processing of the application by the Directorate, three extensions of the permit validity were granted by the ERA board on the 6<sup>th</sup> November 2019, 15<sup>th</sup> November 2019 and 15<sup>th</sup> May 2020. These extensions were also required due to the need to compile a BAT assessment for Waste Treatment Industries published in 2018 and subsequent reviews by the Authority. Thus, IP 0007/13/A expires on the 15<sup>th</sup> November 2020.</p> <p>The proposed activities fall within scope of the activity 5.3(b)(i) stipulated under Schedule 1 of S.L. 549.77:  "Recovery of non-hazardous waste with a capacity exceeding 75 tonnes per day involving biological treatment".</p> <p>No operational changes are being proposed through this application; however two combined heat and power plants are now being registered under the Medium Combustion Plants Regulations, S.L. 549.122. Following discussions with applicant all monitoring requirements are described through a separate process dealing with a consolidated Environmental Monitoring Programme for Magħtab Complex which holistically also covers the monitoring obligations of the Għallis (IP 001/06/C) and Ta' Żwejra (IP 001/05/C) non-hazardous landfills. Emission limit values arising from specific legal obligations including S.L. 549.77 and S.L. 549.122 are included as permit conditions.</p> <p>Most outstanding improvement program items have been duly addressed or are being revised to reflect the latest operational situation and regulatory constraints. These has been highlighted and discussed with various regulatory consultees throughout the whole application process.</p> <p>Treated waste with high-calorific value is currently being exported for disposal. The Improvement Programme will require the operator to submit and implement a plan so that such waste output is recovered locally or abroad. Such recovery may include waste incineration with energy recovery.</p> <p>Further EWC codes for the treatment of waste similar in nature to that already permitted is being proposed.</p>
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## **7. Recommendation**

IP 0003/19 is being recommended for approval subject to the conditions indicated in section 8 and to the bank guarantee in section 9 for a period of four (4) years.

**8. Conditions**

<p><b>8.1</b></p>	<p><b>Conditions General</b></p>	<p><b>Permitted Activities</b></p> <p>Conditions include which activities are permitted and any associated activities linked to operations.</p> <p><b>Overarching Management Condition</b></p> <p>Conditions in this section refer to Environment Management systems present on site.</p> <p><b>Operational Changes</b></p> <p>Conditions in this section refer to additional clearances required in case of:</p> <ul style="list-style-type: none"> <li>i. variations which could lead to significant impact on human health or the environment;</li> <li>ii. any change in the nature or functioning or an extension of an installation where the change or extension in itself reaches the capacity thresholds set out in Schedule 1 of the Industrial Emissions (IPPC) Regulations;</li> <li>iii. variations covered by the Environmental Impact Assessment Regulations;</li> <li>iv. aspects of the operations specifically prohibited by this permit;</li> <li>v. changes to emission limit values;</li> <li>vi. changes to fees;</li> <li>vii. renewal of the validity of this permit</li> </ul> <p>Application for renewal is to be within nine months prior to the expiry of the permit.</p> <p><b>General Conditions</b></p> <p>Conditions include provisions regarding saving third party rights and duty of care of the environment</p> <p><b>General Site Operations, Infrastructure and Security</b></p> <p>Includes conditions regarding site security, general cleanliness and upkeep of the site</p> <p><b>Operational Conditions</b></p> <p>The Permitted Installation shall, subject to the conditions of this Permit, be managed, controlled and operated using the techniques and in the manner described in the original IPPC application and in the subsequent applications for renewal and variation, or as otherwise agreed in writing by the Authority.</p>
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		<p><b>Improvement Programme</b></p> <p>Sets out the improvements to the plant and its operations with specific deadlines as described in Section 8.3 below.</p> <p><b>Emissions to Air</b></p> <p>Point sources have been identified and emission limit values set for various parameters.</p> <p>The Authority reserves the right to amend the limit for dust following the first submission of monitoring results.</p> <p><b>Discharges to sewers</b></p> <p>Conditions have been included so as to ensure compliance with the sewer discharge permit issued by the WSC.</p> <p><b>Discharges to groundwater</b></p> <p>Conditions have been included to prohibit any discharges to groundwater</p> <p><b>Fugitive emissions of substances to air</b></p> <p>Conditions have been included in relation to the application of BAT so as to prevent or where that is not practicable to reduce fugitive emissions of substances to air from the Permitted Installation, with particular reference to specific areas.</p> <p><b>Fugitive emissions of substances to water and sewer</b></p> <p>Conditions have been included in relation to the application of BAT so as to prevent or where that is not practicable to reduce fugitive emissions of substances to water (including to groundwater) and sewer from the Permitted Installation with particular reference to specific areas of the installation.</p> <p><b>Odour</b></p> <p>Conditions have been included in relation to the application of BAT so as to prevent or where that is not practicable to reduce odorous emissions from the Permitted Installation, in particular by:</p> <ol style="list-style-type: none"> <li>i. limiting the use of odorous materials;</li> <li>ii. restricting odorous activities;</li> <li>iii. controlling the storage conditions of odorous materials;</li> <li>iv. controlling processing parameters to minimise the generation of odour;</li> <li>v. optimising the performance of abatement systems;</li> <li>vi. timely monitoring, inspection and maintenance;</li> <li>vii. employing, where appropriate, an approved odour management plan</li> </ol>
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	<p><b>Emissions to land and groundwater</b></p> <p>Conditions have been included to prohibit any discharges to groundwater</p> <p><b>Noise and Vibration</b></p> <p>Conditions have been included in relation to the application of BAT so as to prevent or where that is not practicable to reduce emissions of noise and vibration from the Permitted Installation.</p> <p><b>Storage of materials</b></p> <p>Conditions regarding storage of non-hazardous and hazardous waste.</p> <p><b>Waste</b></p> <p>Conditions have been included to ensure the proper classification of waste and disposal utilising carriers and brokers permitted by ERA and at facilities which are permitted to accept wastes.</p> <p>Various conditions regarding the type of waste accepted on site, the volume of waste that can be accepted on site, measures to store and handle waste. Conditions regarding end of waste criteria of compost, disposal of waste originating from the operations and recovery of waste.</p> <p><b>Energy Efficiency</b></p> <p>As part of the Annual Environmental Report, the applicant has been requested to produce a report on the energy consumed at the Permitted Installation over the previous calendar year.</p> <p><b>Accident prevention and control</b></p> <p>In the case of an accident, the applicant is being required to follow the Emergency Plan, as approved by the Civil Protection Department.</p> <p><b>Monitoring</b></p> <p>The Applicant is required to maintain and implement an emissions monitoring programme that ensures that emissions are monitored as specified in this Permit, and the results of such monitoring shall be assessed. The programme shall ensure that monitoring is carried out under an appropriate range of operating conditions, and that measurements for the determination of concentrations of substances specified in this Permit shall be carried out representatively</p> <p><b>Notifications</b></p> <p>A notification system has also been set up so as to ensure that any exceedances from ELVs, incidents on site or fugitive emissions, particularly due to planned maintenance are reported within a specific timeframe and through a set process.</p>
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		<p><b>Closure and Decommissioning</b></p> <p>In the event of cessation of business activity on the site, all wastes (including machinery, tanks, equipment) and hazardous materials (including chemicals) must be removed from the site such that any pollution risk is avoided and the site is returned to a satisfactory state. The Applicant shall notify the Authority at least three months prior to taking actions, and shall submit a Site Closure plan to the Authority for approval. The Authority's approval is required prior to the commencement of the decommissioning works.</p> <p>When deemed necessary the Authority may require the permit holder to take such additional measures, as it considers necessary with respect to after care obligations in relation, but not limited to remedial action, rehabilitation and monitoring of the site.</p> <p>A finalised version of the Site Closure Plan shall be submitted to the Authority for approval not later than 10 days after the Authority is notified of the intention to decommission the site.</p> <p>The approved Site Closure Plan shall be implemented within 12 months of final cessation or decommissioning of the Permitted activities or part thereof or according to a timeframe as may be agreed with the Authority.</p> <p><b>Management of the facility</b></p> <p>Conditions have been included to address training of staff, maintenance of plant and equipment, incidents and complaints, and issues pertaining to the Technically Competent Person.</p> <p><b>Records, Reporting and Notification</b></p> <p>The Applicant is required to maintain records on several aspects of the permit and have these available for inspection by the Authority should the need arise.</p> <p>An Annual Environment Report and audit report has been included in the permit where the Applicant shall submit monitoring results and waste transfers for the previous calendar year.</p> <p>A notification system has also been set up so as to ensure that any exceedances from ELVs, incidents on site or fugitive emissions are reported within a specific timeframe and through a set process. This shall include notification for major maintenance works which may generate fugitive emissions outside the installation.</p>
8.2	Site-specific conditions	<p><b>Infrastructure and Access</b></p> <p>All waste carriers shall only be permitted to enter the site through the gate located at Triq il-Kosta, unless an emergency situation arises. Only waste</p>

carriers coming from the Magħtab Civic Amenity site shall be granted access through the Żwejra weighbridge gate. All gates on site shall either be kept closed or manned at all times in a manner to prevent unauthorised access. Such exceptions should be authorized by ERA after receiving a request in writing not less than five days before the desired date.

Any infrastructure related to waste management and record keeping referred to in this permit may be located at other adjacent permitted facilities managed by the same Permit holder.

Emission Limit values for emission points to air described in Section 3.3 are:

Emission point reference	Parameter	Limit
MTP Biofilter and AD Biofilter	TVOC	10 mg/Nm <sup>3</sup>
	Dust	5 mg/Nm <sup>3</sup>
	NH <sub>3</sub>	20 mg/Nm <sup>3</sup>
	Odour concentration	500 ouE /Nm <sup>3</sup>
CHP Station 1 & 2	Oxides of Nitrogen	489 mg/Nm <sup>3</sup>
	Oxides of Sulphur	60mg/Nm <sup>3</sup>
	Carbon Monoxide	-

**Anaerobic Digestion**

Various conditions prescribing the Best Available Techniques for this process in order to prevent and reduce diffuse emissions to air and odour.

**Maintenance Areas**

Conditions regarding maintenance of machinery and equipment on site.

**Closure and Decommissioning**

The Operator is required to maintain and operate the Permitted Installation so as to prevent or minimise any pollution and public health risk, including the generation of waste, on closure and decommissioning. The Operator is also required to notify the Authority immediately upon a decision being taken to decommission the site.

A finalised version of the Site Closure Plan shall be submitted to the Authority for approval not later than 10 days after the Authority is notified of the intention to decommission the site.

The approved Site Closure Plan shall be implemented within 12 months of final cessation or decommissioning of the Permitted activities or part thereof or according to a timeframe as may be agreed with the Authority.

**EWC codes:**

02 01 06 animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site

		<p>15 01 01 Paper and cardboard packaging</p> <p>15 01 02 Plastic packaging</p> <p>15 01 03 Wooden packaging</p> <p>15 01 04 Metallic packaging</p> <p>15 01 06 Mixed packaging</p> <p>15 01 07 Glass packaging</p> <p>19 12 01 paper and cardboard derived from other MTPs</p> <p>19 12 02 ferrous metal derived from other MTPs</p> <p>19 12 03 non-ferrous metal derived from other MTPs</p> <p>19 12 04 plastic and rubber derived from other MTPs</p> <p>19 12 12 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11</p> <p>20 01 01 Paper and cardboard</p> <p>20 01 02 Glass</p> <p>20 01 08 Biodegradable kitchen and canteen waste</p> <p>20 01 38 Wood other than that mentioned in 20 01 37</p> <p>20 01 39 Plastics</p> <p>20 01 40 Metals</p> <p>20 02 01 Biodegradable waste</p> <p>20 03 01 Mixed municipal waste</p> <p>20 03 07 Bulky waste</p> <p>20 03 02 Wastes from markets</p> <p>20 03 03 Street-cleaning residues</p>		
8.3	Improvement Programme	<b>Reference</b>	<b>Requirement</b>	<b>Deadline</b>
		6	Provision of consolidated proposal for monitoring of air, land, groundwater and noise covering the permitted facilities at the Maghtab	Within two months of issue of permit

			<p>Environmental Complex to the satisfaction of the Competent Authority.</p> <p>The monitoring proposal shall also include the land and groundwater monitoring proposal in conformity with Articles 16(2) and 22 of the Industrial Emissions Directive, 2010/75/EU.</p> <p>Commencement of monitoring in accordance with the approved consolidated monitoring proposal.</p>	<p>Within two months of approval of monitoring proposal.</p>
		7∞	<p>a) Plan with time-frames on how the effluent generated shall be in line with the requirements of the Sewer Discharge Control Regulations</p> <p>b) To obtain a Sewer Discharge Permit with the Water Services Corporation as per condition 2.4.31 of this permit.</p>	<p>a) Within six months of issue of the permit</p> <p>b) Within timeframes approved in (a) above.</p>
		8∞	<p>Registration of all generators and fuel storage areas with the Regulator for Energy and Water Services according to Subsidiary Legislation 545.22</p>	<p>Within six months of issue of permit.</p>
		9	<p>a. Decommissioning plan for the petroleum filling-stations-commercial sites at the gas plant and the car park.</p> <p>b. Submission of a decommission report according to the decommissioning plan approved by ERA in a.</p>	<p>a. Within three months of issue of permit.</p> <p>b. Within time frames agreed with the Authority through a.</p>
		10	<p>Proposal with time-frames on how the high-calorific value waste output from the mechanical treatment plant shall be of an acceptable quality for a waste recovery operation as defined by S.L. 549.63 according to the requirements</p>	<p>Within one year of issue of the permit</p>

			of actual permitted waste management installations locally and/or abroad.	
		11	Implementation of any operational changes required to address Item 10 above.	Within time-frames agreed by the Authority in Item 10.
		12 <sup>∞</sup>	Installation of an online wastewater effluent monitoring equipment	Within 18 months of issue of the permit
		13	Detailed proposal on how Oxides of Nitrogen emissions from both biogas combustion plant systems referred to as PS4 and PS5 in Table 2.4.1 below shall not exceed the emission limit value 190 mg/Nm <sup>3</sup> in accordance with S.L. 549.12 .	Within 36 months of issue of the permit

#### 9. Financial matters

<b>9.1</b>	<b>Financial guarantee</b>	A financial guarantee of €1,051,800 is being assigned to secure the obligations under this permit. Confirmation that this guarantee is covered by the Letter of Undertaking covering Government Projects ref MF35/05/160 has been provided by the Operator.
<b>9.2</b>	<b>Annual Fee</b>	Prior to issue of the permit, the applicant shall pay ERA the sum of €8,600 to cover the annual contribution until year 2020: (€1,000 for each year in the period 2016-2020) and the inspection fee covering 18 inspections carried out to date (rate of €200 per inspection).
<b>9.3</b>	<b>Medium Combustion Plant Registration fee.</b>	The fee for the renewal of two MCPs amounting to €250 has been duly settled by the Operator.
<b>9.4</b>	<b>Fines Due</b>	€ 2,300 related to the Administrative Fine IF2416/19-F SO0159

<b>This report to the ERA Board has been prepared and endorsed by:</b>	
<b>Case Officer:</b> Simon Farrugia	<b>Endorsed by:</b> Nathalie Ellul
Senior Officer (Permitting)	Team Manager
<b>Signature:</b>	<b>Signature:</b>
<b>Date:</b>	<b>Date:</b>