

The Demolition of Delimara 1 Power Station

The Removal of Hazardous Materials

Plans of Work, General Method Statement, & Risk Assessments

5th July 2017

Prepared by:

PT Matic Environmental Services Ltd.

Version 4.0

The Demolition of Delimara 1 Power Station

The Removal of Hazardous Materials,

Plans of Work, General Method Statement, & Risk Assessments

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The Demolition of Delimara 1 Power Station

The Removal of Hazardous Materials,

Plans of Work, General Method Statement, & Risk Assessments

1. Introduction

PT Matic Environmental Services Ltd. (PTM), has been appointed by General Smontaggi S.p.A. to remove all wastes existing in the demolition areas at Delimara 1 Power Station, (DPS 1).

The hazardous wastes which have been identified as present in the demolition areas include, BUT ARE NOT NECESSARILY RESTRICTED TO THE FOLLOWING:

1. **Waste Oils** from various tanks, and including Lubricating Oils;
2. **HFO Sludge** - There is a considerable quantity of Heavy Fuel Oil Sludge arising from a number of pipelines;
3. **Waste Oils** from transformers;
4. **Fly Ash** – accumulated ashes will arise from a number of sites in the demolition area and will include fly ashes in hoppers/ducts and boiler residues/washings;
5. **Mineral Wool** – known colloquially as “Rockwool”;
6. **Calcium Silicate**;
7. **Waste Electrical and Electronic Equipment (WEEE).**

The materials summarised above are all hazardous and great care is required in their removal and proper disposal. PTM therefore sets out below:

- The general plan of works setting out the overall principles which PTM will adopt in handling the various hazardous materials;
- The detailed plans of work setting out the specific approaches which PTM will adopt for handling the various different hazardous materials
- The general method statement for the project, and
- The risk assessments for the project.

These are presented as discrete sets of documents for each type of material and/or area so that they can be examined and used individually.

The Demolition of Delimara 1 Power Station

PLANS OF WORK, GENERAL METHOD STATEMENT, & RISK ASSESSMENTS

FOR THE

The Removal of Hazardous Materials

General Plan of Works

The Demolition of Delimara 1 Power Station

The Removal of Hazardous Materials,

Plans of Work, General Method Statement, & Risk Assessments

General Plan of Work – 5th July 2017

1. Introduction

PT Matic Environmental Services Ltd., (PTM), has been appointed by General Smontaggi S.p.A. for the removal of all hazardous materials from the demolition areas of the Delimara 1 Power Station. These works will be undertaken immediately. This document sets out our proposed plans for removal works

2. General Approaches to Works Involving Hazardous Materials

1. There are a number of locations within the demolition area where different forms of hazardous materials are present. Depending on the exact nature of the material, the methods of demolition and disposal vary. However, for all types of hazardous material, PTM adopts some basic principles and these include the following:
2. All hazardous materials will be dismantled, packed, transported and disposed of in full compliance with all relevant local and international regulations and guidelines and, in particular the requirements of the OHSA and ERA;
3. The time-scales for all the processes involved will be minimised in order to reduce exposures to the hazardous materials;
4. PTM will assume full ownership of and responsibility for all hazardous materials and any arising contaminated materials. These responsibilities assumed by PTM will include proper dismantling, packing, transport, disposal and the preparation of all necessary local and international documentation;
5. All PTM's disposal operations for hazardous materials are carried in strict compliance with recommended international procedures and guidelines and the requirements of the relevant local legislation.
6. All arising hazardous materials and any associated contaminated material will be shipped from site in sealed containers for proper disposal in the EU. This process will be carried in strict compliance with the requirements of the Basel Convention and copies of all "Movement Forms" confirming the movement and proper disposal of all materials will be provided to the client. Examples of recently completed movement forms for HFO and fly ash are included in Schedule 1;
7. All vehicles used in providing the services required by the project will be a minimum of EURO IV compliant. Documentation confirming this can be provided if required. Engineer certificates for all equipment to be used on this project are reproduced in ;
8. PTM has comprehensive insurances specifically covering works involving hazardous materials and covering public liability, employer's liability and marine cargo;

9. PTM has already in place all the necessary permits and authorisations for the conduct of the works and including, inter-alia:

- Our Waste Broker's Permit number GBR 0699/09 – see Schedule 2;
- Our Waste Carrier's Permit number GBR 00026/2013 – see Schedule 3;
- Valid permit for the export of Waste Oils - Notification numbers MT17/000026 – see Schedule 4.
- Valid permit for the export of Fly Ash - Notification numbers MT17/000019 – see Schedule 5.

TFS export permits are not required for mineral wool and calcium silicate since these are classified as non-hazardous waste and will be disposed of locally.

Copies of the relevant schedules are attached to this general Plan of Works.

3. Description of Site

The site is Delimara Power Station 1.

4. Broad Scope of Works

The broad scope of works includes:

- The removal and packing of all hazardous materials;
- The ownership of hazardous material to be removed from the site, its management and appropriate disposal at an authorised site overseas as detailed in the specifications, and
- The thorough cleaning of the sites following the removal of any hazardous material.

5. Risk Assessment

The level of risk associated with these works has been assessed in separate Risk Assessments, (copies attached). The precautions to be taken will therefore be commensurate with the perceived risks. In preparing this plan of works, due note has been taken of the relevant legislation, and such other international legislation and codes of practice as specified in the Method Statement/Risk Assessment, (MS/RA).

6. Relevant Legislation

The legislation and codes of practice relevant to these works includes, but is not restricted to the following:

- Occupational Health and Safety Authority Act XXVII of 2,000 (CAP424)
- Environment Protection Act, 2001 (Act No. XX of 2001)
- LN 228 of 2001, and LN 281 of 2004;

7. Overall Plan of Works

In general terms the following principles will be adopted.

1. PPE appropriate to the individual areas will be provided to each employee engaged in the hazardous material removal works – this will include, as appropriate, full disposal overalls, both full and half face respiratory protection masks, disposable overshoes, safety boots and gloves – any such equipment will be regarded as contaminated and will be disposed of/cleaned accordingly;

2. All employees will be briefed on the correct procedures to be adopted. Written instructions in Maltese and English will be provided to all employees. Only trained employees will be engaged on the dismantling works and any employee found to be in breach of the correct procedures will be removed from the site immediately, (copies of the training and medical certificates are available) - all employees will be asked to sign the site code which will be a part of their conditions of employment - transgressions will be a dismissible offence;
3. Welfare facilities will be provided to employees including decontamination and shower facilities, locations for personal possessions and eating areas. Employees will not be permitted to eat or smoke in working areas.
4. A Safety and Testing Officer will be appointed for the project to advise on the conduct of the works. A copy of the terms of reference for this post is attached to this Plan of Works and Dr. R Cortis has been appointed for this project.
5. Working areas will, as far as is practical and is considered necessary by the appointed safety officer, be enclosed by "general enclosures". Features of these enclosures will include the following:
 - a. The entire working area will be protected with suitable warning tapes restricting access to all but authorised persons;
 - b. Hazardous material warning signs will be placed at numerous points around the working area;
 - c. Areas within the enclosure will be identified as hazardous material storage points;
 - d. The hazardous material storage and transport container/s will be placed within the enclosure wherever practical;
 - e. Suitable transport routes for demolished and packed hazardous materials will be defined in full consultation with the client and Safety Officer;
 - f. Following the completion of the hazardous material demolition works, the working area will be given an environmental clean;
 - g. The independent testing officer will carry out testing in order to confirm that the area is free of hazardous material contamination, and
 - h. Following the completion of dismantling works in any area the following 4 stage "completion procedure" will be carried out by the independent safety officer:
 - 1.) A preliminary check of job completeness and the absence of any contamination;
 - 2.) A thorough visual inspection inside the enclosure to confirm that all hazardous material has been removed and that surfaces are clean;
 - 3.) A final visual inspection prior to removal of the enclosure to confirm that all hazardous material has been removed, and
 - 4.) Following clearance the enclosure materials will be removed and the area returned to the client.
6. All work at heights will be conducted in accordance with the procedures identified in the separate risk assessments. This will involve the use of specially erected scaffolds, scissor lifts, full safety equipment, and "cherry pickers".

7. All hazardous materials will be exported to authorised disposal sites in the EU for proper disposal. PTM has all the necessary approvals for this process from the relevant competent authorities and is already successfully undertaking shipment and disposal of the hazardous materials which are present in DPS 1.
8. In the event that works are conducted at night, adequate lighting will be provided in order to ensure safe working conditions.

PT Matic Environmental Services Ltd (PTM)
The Demolition of Delimara 1 Power Station
The Removal of Hazardous Materials,
Plans of Work, General Method Statement, & Risk Assessments
General Proposed Terms of Reference for the
Safety & Testing Officer

1. To examine all proposed methods of working and to advise PTM on the most appropriate approaches to be used in each situation;
2. As appropriate, to liaise with the relevant authorities, (OHSA and ERA) in respect of the works in conjunction with PTM;
3. To devise, implement and conduct any testing regime which he considers necessary for the works and to advise PTM on any results of the tests taken;
4. To provide any testing equipment and laboratory facilities to enable any recommended testing regime to be implemented;
5. To provide general advice to PTM on the conduct of the works.

The Demolition of Delimara 1 Power Station

PLAN OF WORKS, GENERAL METHOD STATEMENT, & RISK ASSESSMENT

FOR THE

The Removal of Hazardous Materials

General Plan of Works

Schedules

The Demolition of Delimara 1 Power Station

PLAN OF WORKS, GENERAL METHOD STATEMENT, & RISK ASSESSMENT

FOR THE

The Removal of Hazardous Materials

General Plan of Works

Schedule 1

Example Recent Completed Movement Forms for Heavy Fuel Oils & Fly Ash

1636276
1627565/1627566/1627567
612 612 612

2017020055

TRANSFRONTIER MOVEMENT OF WASTE - Movement / Tracking Form

EUROPEAN COMMUNITY (a)

1. Corresponding to notification No: MT 16/000025		2. Serial/total number of shipments 131 35	
3. Exporter - notifier Registration No: C-17720 Name: PT MATIC ENVIRONMENTAL SERVICES LIMITED Address: SAN GWAKIN ROAD, MREHEMEL BKR3000, MALTA Contact person: OLIVER FENECH Tel: +356 2144 3538 Fax: +356 2148 4073 E-mail: operations@ptmatic.com.mt		4. Importer - consignee Registration No: 057-05/AA ICV Name: SITA SPE IBERICA, S.L.U Address: Prologacion Calle Piedad s/n, POLIGONO INDUSTRIAL ARTANA, 12540 VILA-REAL (Castellón) SPAIN Contact person: Alicia Canoves Tel: +34 964 532 833 Fax: +34 964 52 21 19 E-mail: alicia.canoves@sitasppe.es	
5. Actual quantity: Tonnes (Mg): 14 7. Packaging Type(s) (1): 1. BULK, 3. JERRICAN 9. IBCs No of packages: 14 Special handling requirements: (2) 12. 215 T. Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>		6. Actual date of shipment: 25.01.2017 FCIU 4455986	
8(a) 1st Carrier (3): Registration No: MIKSONS TRANSPORT CO LTD Name: MIKSONS TRANSPORT CO LTD Address: 11/3 CHURCH WHARF, MARSA, MRS 1570 Tel: 00356 21654930 Fax: 00356 21654930 E-mail: frankie@miksons.com		8(b) 2nd Carrier: Registration No: CIMA CGM Name: MARSEILLE HEAD OFFICE Address: 4, QUAI DI ARENC, 13225, MARSEILLE, CEDEX FRANCE Tel: 33 225 13225 Fax: 33 225 13225 E-mail: FRANCE	
8(c) Last Carrier: LOPITRANS SL Registration No: AVENIDA INGENIERO Name: MANUEL SOTTO 154 B Address: 460241, ADEMUZ, VALENCIA, SPAIN Tel: 0034 96 02160571 Fax: 0034 96 02160571 E-mail: 0034 96 02160571		9. Waste generator(s) - producer(s) (4,5,6): Registration No: SALV BEZZINA + SONS. Name: 1/3 CHURCH WHARF, MARSA, MRS 1570 Address: MARSA, MRS 1570 Contact person: GEORGE FARRUGIA Tel: 00356 2144613 Fax: 00356 2144613 E-mail: gfarrugia@bezzinagroup.com Site of generation (2): MARSA POWER STATION	
10. Disposal facility <input type="checkbox"/> or recovery facility <input type="checkbox"/> Registration No: 057-06/AAICV Name: SITA SPE IBERICA, S.L.U Address: Prologacion Calle Piedad s/n, POLIGONO INDUSTRIAL ARTANA, 12540 VILA-REAL (Castellón) SPAIN Contact person: Alicia Canoves Tel: +34 964 532 833 Fax: +34 964 52 21 19 E-mail: alicia.canoves@sitasppe.es Actual site of disposal/recovery (2): Large Cementos		12. Designation and composition of the waste (2): WASTE CONTAINING OIL (SLUDGE)	
11. Disposal/recovery operation(s) D-code / R-code (1): R13		13. Physical characteristics (1): 4 - Sludge 14. Waste identification (fill in relevant codes) (i) Basel Annex VIII (or IX if applicable): N/A (ii) OECD code (if different from (i)): N/A (iii) EC list of wastes: 160708* (iv) National code in country of export: 160708* (v) National code in country of import: 160708* (vi) Other (specify): N/A (vii) Y-code: Y8 (viii) H-code (1): H12 (ix) UN class (1): 9 (x) UN number: 3082 - 3077 (xi) UN shipping name: 3082 - Environmentally hazardous liquid substance N.A.S. 3077 - Environmentally hazardous solid substance N.A.S. (xii) Customs code(s) (HS): 2710190000	
15. Exporter's - notifier's / generator's - producer's (4) declaration: I hereby declare that the above information is complete and correct to my best knowledge. I also certify that legally enforceable written contractual obligations have been entered into that any applicable insurance or other financial guarantee is in force covering the transboundary movement and that all necessary consents have been received from the competent authorities of the countries concerned. Name: PTMATIC Date: 12/01/2017 Signature: [Signature]			
16. For use by any person involved in the transboundary movement in case additional information is required			
17. Shipment received by importer - consignee (if not facility): Date: 12/01/2017 Name: PTMATIC Signature: [Signature]			
18. Shipment received at disposal facility <input type="checkbox"/> or recovery facility <input type="checkbox"/> Date of reception: 7/12/17 Accepted: <input type="checkbox"/> Rejected: <input type="checkbox"/> Quantity received: 12,296 Tonnes (Mg): m³ <input type="checkbox"/> immediately <input type="checkbox"/> contact competent authorities Approximate date of disposal/recovery: 9 Disposal/recovery operation (1): SITA SPE IBERICA Name: Prologacion C/ Piedad, s/n, P.I. ARTANA, 12540 VILA-REAL (Castellón) Tel: 964 532 833 Date: 3/10/2017 Signature: [Signature]			
19. I certify that the disposal/recovery of the waste described above has been completed Name: Alicia Canoves Torres Date: 3/10/2017 Signature: [Signature]			

(1) See list of abbreviations and codes on the next page

(2) Attach details if necessary

(3) If more than three carriers, attach information as required in blocks 8 (a,b,c)

(4) Required by the Basel Convention

(5) Attach list if more than one

(6) If required by national legislation

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TRANSFRONTIER MOVEMENT OF WASTE – Movement / Tracking Form EUROPEAN COMMUNITY (a)

1. Corresponding to notification No: MT 16/000028		2. Serial/total number of shipments: 20 / 100	
3. Exporter - notifier Name: PT MATIC ENVIRONMENTAL SERVICES LIMITED Address: SAN GWAKKIN ROAD MRIEHEL BKR3000 PTNE014118 MALTA Contact person: OLIVER FENECH Tel: +356 2144 3538 Fax: +356 2145 4077 E-mail: oliver.fenech@ptmatic.com.mt		4. Importer - consignee Name: SITA SPE IBERICA S.L.U Address: CAMI CAN BROS NO 6 08760 MARTRELL - BARCELONA, SPAIN Contact person: MILA ABAD Tel: +34 93 776 6700 Fax: +34 93 776 65 80 E-mail: T.abad@sitaspain.es	
5. Actual quantity Tonnes (Mg): 21.7 m³: 80		6. Actual date of shipment: 02-02-2017	
7. Packaging Type(s) (1): 5 - BAGS; 6 - BULK'S - IBCs Number of packages: 80		Container/Trailer Number: TCLU 7385812	
Special handling requirements: (2) Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>			
8. (a) 1st Carrier (3) Registration No: MIKSONS TRANSPORT CO LTD Name: UAL FAR INDUSTRIAL ESTATE Address: UAL FAR Tel: 00356 21654930 Fax: 00356 21650118 E-mail: frankie@miksons.com		8. (b) 2nd Carrier Registration No: YPRESS FEEDERS Name: AYDA DE LES DRESSIANES Address: 6-8 PLANTA 14 03001 Tel: SPAIN Fax: 00349 33435692 E-mail: 00349 33435692	
8. (c) Last Carrier Registration No: COPITRANS SL Name: AVENIDA INGENIERO Address: MANUEL SOTO, 154B Tel: 46024, ADEM42 Fax: VALENCIA, SPAIN E-mail: VALENCIA, SPAIN		More than three carriers (2) <input type="checkbox"/>	
Means of transport (1): ROAD		Means of transport (1): SEA	
Date of transfer: 08 FEB 2017		Date of transfer: 08 FEB 2017	
Signature: GEORGE FARRUGIA		Signature: AYDA DE LES DRESSIANES	
9. Waste generator(s) - producer(s) (4;5;6) Registration No: SALV BEZZINA Name: 1/3 CHURCH WHARF Address: MARSA, MRS 1570 Contact person: GEORGE FARRUGIA Tel: +356 21244613 Fax: 08 FEB 2017 E-mail: 08 FEB 2017		12. Designation and composition of the waste (2) Y ASHES FROM COMBUSTION PROCESS OR RESIDUES FROM SCRUBBING TREATMENT, FILTER CAKE FROM GAS TREATMENT, BOILER WASHINGS	
10. Disposal facility Registration No: 235/07/IA/1 Name: BEFESA GESTION DE RESIDUOS INDUSTRIALES Address: CTRA. NERVA EL MADRONO KM0,800 21670 NERVA (HUELVA) SPAIN Contact person: JACOBO DEL BARCO GALVAN Tel: +34 959947045 Fax: +34 968167022 E-mail: jacobo.delbarco@befesa.com		13. Physical characteristics (1): POWDER	
11. Disposal/recovery operation(s) D-code / R-code (1): D9		14. Waste identification (fill in relevant codes) (i) Basel Annex VIII (or IX if applicable): A4110 (ii) OECD code (if different from (i)): 1 (iii) EC list of wastes: 180118-180185-180115-180104 (iv) National code in country of export: 180118-180185-180115-180104 (v) National code in country of import: 180118-180185-180115-180104 (vi) Other (specify): N/A (vii) Y-code: Y23,Y31,Y43,Y44 (viii) H-code (1): H12-Ecotoxic (ix) UN class (1): 9 (x) UN number: 3077 (xi) UN shipping name: Environmentally hazardous substance, solid N.O.S (xii) Customs code (HS): 28210000	
15. Exporter's - notifier's / generator's - producer's (4) declaration: I certify that the above information is complete and correct to my best knowledge. I also certify that legally enforceable written contractual obligations have been entered into, that any applicable insurance or other financial guarantees in force covering the transboundary movement and that all necessary consents have been received from the competent authorities of the countries concerned. Name: CLAUDIA BUNAGIAR Date: 01-02-2017 Signature: CLAUDIA BUNAGIAR		16. For use by any person involved in the transboundary movement in case additional information is required	
17. Shipment received by importer - consignee (if not facility):		Date Name Signature	
TO BE COMPLETED BY DISPOSAL / RECOVERY FACILITY			
18. Shipment received at disposal facility Date of reception: 29/3/2017 Quantity received: 21.7 Tonnes (Mg) Approximate date of disposal/recovery: 2017 Disposal/recovery operation (1): D09 Name: Nereida Pascual Date: 20103/2017 Signature: Nereida Pascual		or recovery facility I certify that the disposal/recovery of the waste described above has been completed. Accepted by: Nereida Pascual Date: 20103/2017 Signature and stamp: BEFESA Befesa Gestión de Residuos Industriales, S.L.	

(1) See list of abbreviations and codes on the next page

(2) Attach details if necessary

(3) If more than three carriers, attach information as required in blocks 8 (a,b,c)

(4) Required by the Basel Convention

(5) Attach list if more than one

(6) If required by national legislation

The Demolition of Delimara 1 Power Station

PLAN OF WORKS, GENERAL METHOD STATEMENT, & RISK ASSESSMENT

FOR THE

The Removal of Hazardous Materials

General Plan of Works

Schedule 2

Waste Broker's Permit

Number GBR0699/09

To:

Mr. Oliver Fenech
PT Matic Environmental Services Ltd
San Gwakkin Road
Mrieħel Industrial Estate
Mrieħel BKR 3000
Malta

Date: 30th May 2017
Our Ref: GBR 0699/09

Application Number: GBR 0699/09
Date Received: 22 May 2017

Registration of Waste Broker (Renewal)

Dear Mr. Oliver Fenech,

Reference is being made to your application form dated 22 May 2017, for your renewal of the registration as a Waste Broker.

The Environment and Resources Authority (ERA) is hereby granting you the requested renewal of the registration as listed under Activity 39 of schedule 1 of the Waste Management (Activity Registration) Regulations, 2007 (Subsidiary Legislation 549.63) and the Waste Regulations, 2011 (S.L. 549.45), under the following conditions:-

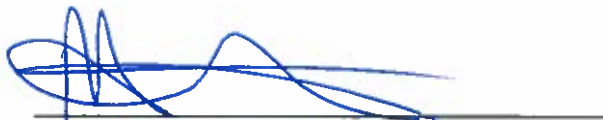
1. Broker, is defined under Directive 2008/98/EC as any undertaking arranging for the recovery or disposal of waste on behalf of others, including such activities which do not take physical possession of the waste. Activities include but are not limited to, the arranging for the collection, recycling, recovery or disposal of waste on behalf of another person;
2. The Registration Holder refers to the waste broker registered to carry out waste brokerage activities as defined by Directive 2008/98/EC, under this registration confirmation;
3. The Registration Holder is permitted to carry out transactions on all wastes, as listed in the European Waste Catalogue (EWC) as per Commission Decision 2014/955/EU and having hazardous codes (if applicable) as listed under Schedule 3 of the Waste Regulations 2011;
4. This Registration is issued saving any third party civil rights;
5. The obligations and conditions deriving from this Registration are without prejudice to any other legislation or regulations, codes of practice, conditions or requirements imposed by the ERA or any other competent authorities, including, but not limited to the Planning Authority, the Occupational Health and Safety Authority, Transport Malta, the Department of Environmental Health and the Civil Protection Department;

6. This registration does not exempt the holder from obtaining any other authorizations, registrations or permits which may be necessary;
7. The Registration Holder shall ensure that waste transfers and shipments carried outside Maltese territories are covered with the necessary permits as required under Council Regulation (EC) No 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste which will apply on the 12 July 2007 and subsequent amendments, and shall also ensure that such waste transfers and shipments abide by the legal obligations listed under the Motor Tractors Regulations 1979 (S.L. 65.08)
8. The Registration Holder shall maintain adequate records at the registered office of each waste management activity/ transaction. Such a record shall include:
 - a) Details of the waste producers;
 - b) A description of the waste;
 - c) Its equivalent EWC code as per Commission Decision 2014/955/EU;
 - d) Its pertaining H code (if applicable) as listed under Schedule 3 of the Waste Regulations 2011;
 - e) The waste quantities as per EWC code;
 - f) The originating source of the waste;
 - g) Information on waste handling, packaging, containment and storage undertaken;
 - h) Information on the frequency and method of transportation and details of the waste carriers engaged;
 - i) Information on the waste management facilities to which such waste was consigned and details of the waste managers engaged; and
 - j) Associated dates when the above listed activities were carried out.
9. The Registration Holder shall inform the ERA of her/his intention to export waste as described under condition 7 above, at least one week prior to which such waste is packaged and exported. This notice shall include the following information:
 - a. Type of waste (including EWC Code);
 - b. Waste generators;
 - c. Number of containers to be loaded;
 - d. Address of the loading depot; and
 - e. Date and time of loading.Such notification shall be sent by e-mail on the following address: contact.shipments@era.org.mt. Failure to do so may result to result in the shipment being objected to;
10. The waste brokers shall submit to the Competent Authority the shipment notification at least 3 working days prior to the shipment taking place on contact.shipments@era.org.mt. Failure to do so may result in the shipment being objected to;
11. The Registration Holder is bound to keep the records listed under condition 8 for a minimum period of 5 years. These records must be made available for inspection upon request by an authorized ERA Official;
12. The Registration Holder is to submit the data of the total amount of waste collected as per condition 8 above of the previous calendar year (January - December) to the ERA by not later than the 31st March of the subsequent year. Not applying for a renewal of this permit does not exonerate the Permit holder from providing this data;

13. The Registration Holder shall ensure that hazardous wastes transferred within Maltese territory or waters are accompanied by a hazardous waste consignment note and a valid hazardous waste consignment permit issued by the ERA. The Permit holder is also bound to ensure that the waste is adequately described on the waste consignment note;
14. The Registration Holder is bound to retain this registration confirmation in the premises from where s/he operates at all times and available for inspection;
15. The Registration Holder shall recognize that s/he has a duty of care to protect the environment. The operator is bound to be familiar with and to abide by the legal obligations defined under the Waste Management (Activity Registration) Regulations 2007 and the Waste Regulations 2011 and is to engage in good environmental practice;
16. The Registration Holder is responsible for the proper management of the waste before, during and after its transfer;
17. The Registration Holder shall ensure that waste is safely stored and presented for collection in appropriate and secure containment or packaging, and labeled in accordance with international and national standards. The holder of this permit shall ensure that waste is safely contained during transportation and shall further prevent the escape of this waste from his control or that of any other person;
18. The Registration Holder shall ensure that there is no mixing of different categories of waste under her/his control, and that there is no mixing of hazardous with non-hazardous wastes under her/his control, unless prior approval has been issued in writing from the ERA;
19. The Registration Holder shall ensure that engaged local and foreign waste management/processing/disposal facilities/sites are authorized and are in possession of a valid Environmental Permit or Waste Management Permit to receive and manage the particular waste under consideration. No temporary interim storage of waste on any site shall be allowed unless this site is already covered by an Environment Permit or a Waste Management Permit issued by the Authority;
20. In the case of the export of waste, the Registration Holder shall ensure that the waste is loaded onto containers at the site of generation and is transported directly to port.
21. The Registration Holder shall keep ERA updated with change in details of the Company and any brokerage activity, when such a situation arises;
22. The Registration Holder shall not use this Registration inappropriately or fraudulently;
23. The Registration holder shall ensure that at least one member of staff is suitably certified to possess the minimum qualification requirements in accordance to Regulation 20 of the Waste Regulations, 2011 (S.L. 504.37) during the whole duration of this registration;
24. The Registration Holder shall inform the ERA of her/his intention to cease brokerage operations by a period of at least three months prior to which s/he is to cease such operations;
25. The Registration Holder shall apply for a renewal with the ERA of this registration not later than 30 days prior to the expiry of this registration. Application is only validated provided that the information as requested above is submitted;

26. The ERA reserves the right to withdraw this registration in the event of the breach of any of the conditions of this permit or amend the conditions of this permit during the validity of this permit provided that the holder is informed in sufficient time of the change;
27. Any aggrieved person may appeal from this decision before the Environment and Review Tribunal within 30 days in terms of Article 63 of the Environment Protection Act."
28. This Registration is not transferable.

This registration is valid **until and including 31/05/18.**


Mark O'Neill

Mark O'Neill
Senior Officer
(Environmental Permitting)

f/ Director Environment & Resources

The Demolition of Delimara 1 Power Station

PLAN OF WORKS, GENERAL METHOD STATEMENT, & RISK ASSESSMENT

FOR THE

The Removal of Hazardous Materials

General Plan of Works

Schedule 3

Waste Carrier's Permit

Number GBR00026/13

Mr Derek Broadley
Alberta Head Office
San Gwakkinn Road
Mriehel BKR 3000

Date: 17th March 2017
Our Ref: GBR 26/13

Application Number: GBR 26/13
Activity: Registration of Waste Carrier Class D3 – ABW 161

Registration of Waste Carriers

Dear Sir/Madam,

Reference is being made to your application form for the renewal of registration of a waste carrier vehicle registration number ABW 161 as Class D3 Carrier.

The Environment and Resources Authority is hereby granting you the requested renewal of the registration under the Activity 38 of Schedule 1 of the Waste Management (Activity Registration) Regulations 2007 (L.N. 106 of 2007, Subsidiary Legislation 549.45) and the Waste Regulations 2011 (L.N. 184 of 2011 as amended, S.L. 549.63), under the following conditions:-

The waste carrier is only authorised to transport the waste categories listed below and is to strictly comply with the GBR conditions issued as part of the last renewal Registration issued by the Authority.

06 01 01* sulphuric acid and sulphurous acid
06 01 02* hydrochloric acid
06 01 03* hydrofluoric acid
06 01 04* phosphoric and phosphorous acid
06 01 05* nitric acid and nitrous acid
06 01 06* other acids

07 01 01* aqueous washing liquids and mother liquors

07 05 01* aqueous washing liquids and mother liquors
07 05 03* organichalogenated solvents, washing liquids and mother liquors
07 05 04* other organicsolvents, washing liquids and mother liquors
07 05 13* solid wastes containing dangerous substances

07 07 01* aqueous washing liquids and mother liquors
07 07 03* organichalogenated solvents, washing liquids and mother liquors
07 07 04* other organicsolvents, washing liquids and mother liquors

08 01 11* waste paint and varnish containing organic solvents or other dangerous substances
08 01 13* sludges from paint or varnish containing organic solvents or other dangerous substances

08 03 12* waste ink containing dangerous substances

14 06 03* other solvents and solvent mixtures

15 01 10* packaging containing residues of or contaminated by dangerous substances

15 02 02* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

16 03 05* organic wastes containing dangerous substances

16 05 06* laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals

16 05 07* discarded inorganic chemicals consisting of or containing dangerous substances

16 05 08* discarded organic chemicals consisting of or containing dangerous substances

16 06 02* Ni-Cd batteries

16 06 03* mercury-containing batteries

16 07 08* wastes containing oil

16 10 03* aqueous concentrates containing dangerous substances

17 06 01* insulation materials containing asbestos

17 06 05* construction materials containing asbestos (7)

18 01 01 sharps (except 18 01 03)

18 01 02 body parts and organs including blood bags and blood preserves (except 18 01 03)

18 01 03* wastes whose collection and disposal is subject to special requirements in order to prevent infection

18 01 04 wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)

18 01 06* chemicals consisting of or containing dangerous substances

18 01 07 chemicals other than those mentioned in 18 01 06

18 01 08* cytotoxic and cytostatic medicines

18 01 09 medicines other than those mentioned in 18 01 08

18 02 01 sharps (except 18 02 02)

18 02 03 wastes whose collection and disposal is not subject to special requirements in order to prevent infection

18 02 06 chemicals other than those mentioned in 18 02 05

18 02 08 medicines other than those mentioned in 18 02 07

20 01 19* pesticides

20 01 27* paint, inks, adhesives and resins containing dangerous substances

20 01 31* cytotoxic and cytostatic medicines

20 01 32 medicines other than those mentioned in 20 01 31

20 01 33* batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries

12 01 10* synthetic macerating oils

13 01 10* mineral based non-chlorinated hydraulic oils

13 01 11* synthetic hydraulic oils

13 02 05* mineral-based non-chlorinated engine, gear and lubricating oils

13 02 06* synthetic engine, gear and lubricating oils

13 03 07* mineral-based non-chlorinated insulating and heat transmission oils
13 05 07* oily water from oil/water separators
13 07 03* other fuels (including mixtures)

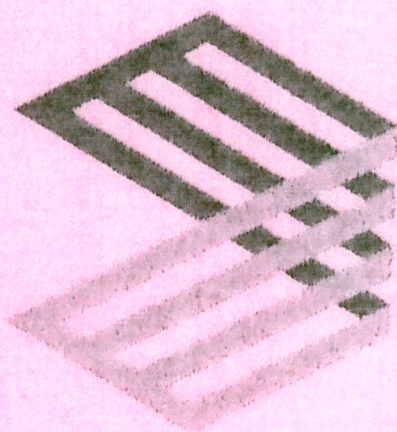
The obligations and conditions deriving from this Registration are without prejudice to any other regulations, codes of practice, conditions or requirements imposed by the ERA or any other competent authority.

The renewal of this Registration is issued saving any third party civil rights and this Registration is not transferable.

This renewal of the original registration is valid **until and including 13.02.18**



f/Director of Environment



ERA

Environment & Resources
Authority

Vehicle Registration No:

ABW 161

A handwritten signature in blue ink, located to the left of the 'Class D3' text. The signature is stylized and appears to be a cursive or semi-cursive script.

Class D3

GBR 26/13

13-Feb-18

The Demolition of Delimara 1 Power Station

PLAN OF WORKS, GENERAL METHOD STATEMENT, & RISK ASSESSMENT

FOR THE

The Removal of Hazardous Materials

General Plan of Works

Schedule 4

TFS Export Permit for Waste Oils

MT17/000026

5th June 2017

Ing. Oliver Fenech
PT Matic Environmental Services Limited
San Gwakkin Road
Mriehel BKR 3000
MALTA

Subject: *Transfrontier Movement of Waste consisting of waste containing oil (EWC 16 07 08*) to Spain in terms of Regulation (EC) No 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste (hereinafter referred to as the Waste Shipment Regulation)*

Approval of Application No MT 17/000026

Dear Sir / Madam,

The Environment and Resources Authority, as competent authority of dispatch, approves the above-mentioned Notification Document (hereinafter referred to as your application) for the transfrontier movement of waste (here: **export**) with number **MT 17/000026** in terms of article 9 of the Waste Shipment Regulation and national legislation Legal Notice 285 of 2011 on Waste management (Shipment of Waste) Regulations, 2011.

This letter shall be classified as a written decision (approval) in terms of article 9 of the Regulation and article 6 of the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal adopted by the Conference of the Plenipotentiaries on 22 March 1989 (hereinafter referred to as the Basel Convention).

This approval is only granted for the movement of waste according to the particulars given in your application and in terms of the requirements of Legal Notice 285 of 2011 on Waste management (Shipment of Waste) Regulations, 2011.

1. General Conditions

- 1.1 This approval shall be limitedly granted until **14th April 2018** (General Notification) with the reservation of subsequent revocation.
- 1.2 This approval shall not be transferable.
- 1.3 The data given in your application shall be a component of this approval. In instances of differences with this approval (including the incidental provisions and possible amendments to your application), the latter shall have priority over the data in your application.
- 1.4 A copy of this approval (including the incidental provisions and possible amendments to your application) or copies thereof, together with a copy of the Notification Document (including its annexes) signed and stamped by the Environment and Resources Authority, as competent authority of dispatch, as well as the completed Movement Document shall accompany all means of conveyance used for the movement of the waste.
- 1.5 The movement of the waste shall only commence if you also have the written consents of the competent authorities of destination and transit (signed and stamped Notification Documents, where applicable).
- 1.6 A copy of the Letter of Acceptance from the competent authorities of destination and transit (where applicable) together with a copy of the signed and stamped Notification Document by the competent authorities of destination and transit (where applicable), shall accompany all means of conveyance used for the movement of the waste.
- 1.7 The personnel entrusted with the movement of the waste shall be familiar to deal with dangers arising from the waste. In case of accidents through which hazardous substances are released, they shall be able to take the necessary precautions and steps regarding the waste that is being transported, especially to inform the responsible bodies (police, fire brigade, maritime authority, transport authority, environmental protection authority).
- 1.8 The carriers shall be informed by the notifying person about these incidental provisions.
- 1.9 The waste shall only transit via the specific points of entry and exit as indicated in the Notification Document (see **Annex I** to your application).



- 1.10 The route of transport quoted in your application (see **Annex I** to your application) is declared as binding. Amendments to the route of transport shall be notified to the Environment and Resources Authority, as competent authority of dispatch.
- 1.11 Except for the handling of the waste onto other means of transport in the harbours indicated above, the waste shall be transported directly – without disposal, recovery or interim storage – from the producer of the waste to the waste disposal facility indicated in the Notification Document. It is not permitted to mix with other waste.
- 1.12 The transport of the waste on the road shall only be done with vehicles, licensed and roadworthy for the transport, for the carriers that are listed in your application. In the case of waste that requires particular monitoring, the vehicles which are used shall have a third party motor insurance.
- 1.13 This approval shall terminate if the insurance coverage stops. It shall also terminate with the withdrawal of the transport authorisation in terms of and the withdrawal or time lapse of the relative waste disposal facility authorisation. The safe execution of the transport shall be the sole responsibility of the holder of this approval and of the carriers. It shall not be permitted to sub-contract the transport to carriers that are not listed in your application.
- 1.14 The transport vehicles and the transport containers shall be suitable for the waste that is transported. The containers shall be leak-proof, shatterproof and resistant against the type of waste that is transported. The transport shall be done in such a way that the well being of the community is not affected. Observance of the international transport agreements especially the European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR) and the Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) is especially underlined.
- 1.15 The provisions of the international transport agreements, especially the International Convention for the Safety of Life at Sea (SOLAS) including the International Maritime Dangerous Goods (IMDG) Code, shall be observed.
- 1.16 A financial guarantee or equivalent insurance satisfying the requirements of Article 6 of the Regulation shall be in force in respect of the shipment(s) referred to in the Notification Document at the time the waste is shipped out of Malta. Shipments under the Notification Document shall only commence when the Environment and Resources Authority certifies that, as competent authority of dispatch, it is satisfied that there is in force in respect of the shipment(s) referred to in the Notification Document a financial guarantee or equivalent insurance satisfying the requirements of Article 6 of the Regulation.



- 1.17 To release the financial guarantee or equivalent insurance, the confirmation of recovery from the waste recovery facility has to be presented to the Environment and Resources Authority, as competent authority of dispatch, with a copy to the competent authorities of destination and transit (where applicable), as soon as possible and not later than 180 days following the receipt of the maximum amount of waste covered by the financial guarantee or equivalent insurance in transit or in storage awaiting recovery at any one time.
- 1.17.1 During the period when the financial guarantee or equivalent insurance is exhausted and no certificate of disposal about the actual disposal of the above-mentioned partial amount is presented, any further movement of the waste shall be prohibited and no further order by the competent authorities concerned shall be required for informing of this. Any movement of the waste affected in spite of this is considered to be illegal in terms of article 2 (35) of the Regulation and article 9 of the Basel Convention.
- 1.17.2 This approval shall expire if the financial guarantee or equivalent insurance is terminated.
- 1.18 The Environment and Resources Authority, as competent authority of dispatch, reserves the right to supplement, to amend or to later include incidental provisions in this approval.
- 1.19 The harmlessness of the vehicle carrying the waste shall not be assumed anymore if there are changes in the factual and legal circumstances. The Environment and Resources Authority, as competent authority of dispatch, shall be notified instantly about changes in the circumstances.
- 1.20 Any accident and/or environmental pollution occurring during shipment shall be reported to the Environment and Resources Authority, as competent authority of dispatch, and in such an eventuality the exporter shall be obliged to accomplish remediation at his expense.
- 1.21 If the movement of the waste cannot be completed in accordance with the terms of this approval, the notifying person shall assume responsibility to ensure that the waste is disposed of / recovered in an environmentally acceptable manner.
- 1.22 Any aggrieved person may appeal from this decision before the Environment and Review Tribunal within 30 days in terms of Article 63 of the Environment Protection Act.



2. Additional Conditions

- 2.1 The holder of this permit shall prevent escape of the waste covered by this notification from his control or that of any other person engaged to manage this waste under this permit.
- 2.2 The holder of this permit is to ensure that waste is safely loaded, stored and transported in a safe manner to the treatment facility indicated in the Notification document.
- 2.3 This permit does not exempt the holder from obtaining any additional permits which may be required.
- 2.4 The holder of this permit shall ensure that all possible measures are taken to avoid any harm to the environment as a result of the loading and transport of the waste covered by this notification.
- 2.5 The holder of this permit is responsible for any damage to the environment resulting from operations linked to this permit, including any operations linked to the loading of the waste.
- 2.6 Should any operations covered by this permit cause damage to the Environment that was not anticipated when the permit was granted, or if the conditions of this permit are not adhered to, the Competent Authority of Dispatch reserves the right to temporarily suspend all operations linked to this permit. If the damage is not remedied or if the conditions of this permit or rules are not complied with, the Environment and Resources Authority reserves the right to withdraw the permit.

3. Reasons

- 3.1 The Environment and Resources Authority is the competent authority of dispatch as regards the subject in caption (Legal Notice 285 of 2011 on Waste management (Shipment of Waste) Regulations, 2011).
- 3.2 **The Consejería de Medio Ambiente y Ordenación del Territorio, Dirección General de Prevención y Calidad Ambiental, Servicio de Residuos y Calidad del Suelo, Avda. Manuel Siurot, 50.41013, Sevilla, Spain, is the competent authority of destination as regards the subject in caption.**

- 3.3 The procedure of general notification can be revoked by the Environment and Resources Authority if the composition of the waste does not correspond with the details in your application or if the conditions for the recovery / disposal are not kept.
- 3.4 The export could be accepted for the following reasons:
- 3.4.1 A copy of the acknowledgment of receipt from the **Consejería de Medio Ambiente y Ordenación del Territorio, Dirección General de Prevención y Calidad Ambiental, Servicio de Residuos y Calidad del Suelo, Avda. Manuel Siurot, 50.41013, Sevilla, Spain**, as competent authority of destination, dated 16 May 2017 was received on 26 May 2017.
- 3.4.2 The **Consejería de Medio Ambiente y Ordenación del Territorio, Dirección General de Prevención y Calidad Ambiental, Servicio de Residuos y Calidad del Suelo, Avda. Manuel Siurot, 50.41013, Sevilla, Spain**, as competent authority of destination, has not raised any concerns regarding the compliance of the waste disposal facility at **Befesa Gestión de Residuos Industriales S.L., Nerva – Huelva Ctra. Nerva-El Madroño, km 0,800, 21670 Nerva (Huelva), Spain**, on behalf of **PT Matic Environmental Services Limited, San Gwakkın Road, Mriehel BKR 3000, Malta**, that seems to be ensured.
- 3.4.3 The letter of Acceptance from **Consejería de Medio Ambiente y Ordenación del Territorio, Dirección General de Prevención y Calidad Ambiental, Servicio de Residuos y Calidad del Suelo, Avda. Manuel Siurot, 50.41013, Sevilla, Spain**, as competent authority of destination, has not been received.

4. Order for payment of costs

- 4.1 The order for payment of costs is based on article 29 of the Regulation and provision 4 of Legal Notice 285 of 2011 on Waste management (Shipment of Waste) Regulations, 2011.



5. Notices

- 5.1 This approval shall only permit the export of the waste for safe treatment and disposal with the means of conveyance quoted in your application and of the waste producer(s) or collection area(s) mentioned therein to each designated disposal facility. Permission for amendment shall be applied for if there are changes of the details made in your application especially regarding amendments to the notifying person, type of waste, waste producer(s), collection area(s) and/or means of conveyance, which shall require the filling-in of a new Notification Document (if applicable).
- 5.2 This approval can be cancelled or withdrawn especially if the details in your application are wrong or incomplete, in case of breach of the conditions or other infringements of the provisions of Legal Notice 285 of 2011 on Waste management (Shipment of Waste) Regulations, 2011, and any other relevant legislation. Furthermore infringements against these provisions can be punished as criminal offence or administrative offence as the case may be.
- 5.3 This approval does not include the permits, licences or other requirements necessary according to other regulations (especially in terms of national or international traffic law regarding the transport of dangerous goods including the Motor Vehicles (Carriage of Dangerous Goods by Road) Regulations, 2003, as published by Legal Notice 211 of 2003). For these, a separate application with the responsible authorities shall be done. This approval moreover shall not affect other requirements that the Motor Vehicles (Carriage of Dangerous Goods by Road) Regulations, 2003, as published by Legal Notice 211 of 2003, demand – especially regarding the substances transported, the means of conveyance, the transport personnel and accompanying documents. It is to be pointed out that the waste that is to be disposed can be considered as dangerous good according to the Motor Vehicles (Carriage of Dangerous Goods by Road) Regulations, 2003, as published by Legal Notice 211 of 2003, and that, according to these regulations, the means of conveyance shall be labelled accordingly.
- 5.4 The procedures established by the Environment and Resources Authority regarding the preparation of the Movement Document prior to every shipment, should be abided to.
- 5.5 The delivery terms and conditions of acceptance of the waste recovery facility shall be met.

A copy of this approval should be sent by the Notifier to the competent authorities of destination and transit (where applicable) for their information.

Best regards,

Prepared by:



Mr Chalie Debrincat
Asst. Environment Protection Officer
Tel: +356 2292 3580
E-mail: chalie.debrincat@era.org.mt

Checked by:



Mr Mark O'Neill
Senior Officer Environmental Permitting
Tel: +356 2292 3713
E-mail: mark.oneill@era.org.mt

Approved by:



Mr Anthony Aquilina
Unit Manager
Tel: +356 2292 3702
E-mail: anthony.j.aquilina@era.org.mt

Attached: Approved Notification Document MT 17/000026
Approved sample of Movement Document for MT 17/000026

TRANSFRONTIER MOVEMENT OF WASTE – Notification Form

EUROPEAN COMMUNITY (a)

1. Exporter - Notifier C17720 Registration No: Name: PT MATIC ENVIRONMENTAL SERVICES LIMITED Address: SAN GWAKIN ROAD MRIEHEL BKR3000 MALTA Contact person: OLIVER FENECH Tel: +356 2144 3538 Fax: +356 2148 4077 E-mail: oliver.fenech@ptmatic.com.mt		3. Notification No: MT17/000026 Notification concerning A.(i) Individual shipment: <input type="checkbox"/> (ii) Multiple shipments: <input checked="" type="checkbox"/> B.(i) Disposal (1): <input checked="" type="checkbox"/> (ii) Recovery: <input type="checkbox"/> C. Pre-consented recovery facility (2,3) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 4. Total intended number of shipments: 20 5. Total intended quantity (4): Tonnes (Mg): 1500 m ³ : 800 6. Intended period of time for shipment(s) (4): 15 th April 2017 Last departure: 14 th April 2018 7. Packaging type(s) (5): 1 – Drums, 3 – Jerrican, 8 – Bulk, 9 – IBCs, Special handling requirements (6): Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> 11. Disposal / recovery operation(s) (2) D-code / R-code (5): D09 Technology employed (6): Stabilization and safety deposit Reason for export (1,6): NO FACILITIES AVAILABLE LOCALLY 12. Designation and composition of the waste (6): WASTE CONTAINING OIL 13. Physical characteristics (5): 1 – SOLID / LIQUID 14. Waste identification (fill in relevant codes) (i) Basel Annex VIII (or IX if applicable): N/A (ii) OECD code (if different from (i)): / (iii) EC list of wastes: 16 07 08* (iv) National code in country of export: 16 07 08* (v) National code in country of import: 16 07 08* (vi) Other (specify): N/A (vii) Y-code: Y08 (viii) H code: H12 Ecotoxic (ix) UN class (5): 9 (x) UN number: 3082, 3077 (xi) UN Shipping name: 3082 – Environmentally hazardous substance, liquid, n.o.s., 3077- Environmentally hazardous substance, solid, n.o.s. (xii) Customs code(s) (HS): 26210000													
2. Importer - consignee Registration AN-0032/GRU-0116 Name: BEFESA GESTION DE RESIDUOS INDUSTRIALES S.L. Address: CTRA. NERVA – EL MADRONO, KM 0,800 21.670 – NERVA (HUELVA) SPAIN Contact person: Nereida Pascual Tel: +34 959 58 00 43 E-mail: nereida.pascual@befesa.com		8. Intended carrier(s) Registration No: Name(7): SEE ANNEX 1 (NOTIFICATION PACKAGE) Contact person: Tel: Fax: E-mail: Means of transport (5): R/S/R 9. Waste generator(s) - producer(s) (1,7,8) Registration No: Name: See Annex 2 (NOTIFICATION PACKAGE) Address: Contact person: Tel: Fax: E-mail: Site and process of generation (6) 10. Disposal facility (2): <input checked="" type="checkbox"/> or recovery facility (2): <input type="checkbox"/> Registration No: AN-0032/GRU-0116 Name: BEFESA GESTION DE RESIDUOS INDUSTRIALES S.L. Address: CTRA. NERVA – EL MADRONO, KM 0,800 21.670, NERVA (HUELVA), SPAIN Contact person: Nereida Pascual Tel: +34 959 58 00 43 E-mail: nereida.pascual@befesa.com													
15. (a) Countries/states concerned, (b) code No. of competent authorities where applicable, (c) specific points of exit or entry (border crossing or port) <table border="1"> <thead> <tr> <th>State of export - dispatch</th> <th>State(s) of transit (entry and exit)</th> <th>State of import - destination</th> </tr> </thead> <tbody> <tr> <td>(a) MALTA</td> <td></td> <td>SPAIN</td> </tr> <tr> <td>(b) MT01</td> <td></td> <td>ES</td> </tr> <tr> <td>(c) MARSAXLOKK</td> <td></td> <td>'Refer to Annex I'</td> </tr> </tbody> </table>				State of export - dispatch	State(s) of transit (entry and exit)	State of import - destination	(a) MALTA		SPAIN	(b) MT01		ES	(c) MARSAXLOKK		'Refer to Annex I'
State of export - dispatch	State(s) of transit (entry and exit)	State of import - destination													
(a) MALTA		SPAIN													
(b) MT01		ES													
(c) MARSAXLOKK		'Refer to Annex I'													
16. Customs offices of entry and/or exit and/or export (European Community): Entry: Exit: Export:															
17. Exporter's - notifier's / generator's - producer's (1) declaration: I certify that the information is complete and correct to my best knowledge. I also certify that legally enforceable written contractual obligations have been entered into and that any applicable insurance or other financial guarantee is or shall be in force covering the transboundary movement. Exporter's - notifier's name: CLAUDIA BUHAGIAR Date: 12/6/2017 Signature: Generator's - producer's name: ANNEX II (Notification package) Date: Signature:															
18. Number of annexes attached 3															
FOR USE BY COMPETENT AUTHORITIES 19. Acknowledgement from the relevant competent authority of the countries of import - destination / transit (1) / export - dispatch (1): Country: ESPAÑA Notification received on: 16/05/2017 Acknowledgement sent on: 26/05/2017 Name of competent authority: Stamp and/or signature:															
20. Written consent (1,8) to the movement provided by the competent authority of (country): MALTA Consent given on: 05/06/2017 Consent valid from: Specific conditions: No <input type="checkbox"/> Name of competent authority: ERA Stamp and/or signature:															
21. Specific conditions on consenting to the movement or reasons for objecting This Permit is subject to the conditions laid down in our Permit dated 5 th June 2017.															

(1) Required by the Basel Convention.

(2) In the case of an R12/R13 or D13-D15 operation, also attach corresponding information on any subsequent R12/R13 or D13-D15 facilities and on the subsequent R1-R11 or D1-D12 facility(ies) when required

(3) To be completed for movements within the OECD area and only if B(ii) applies

(4) Attach detailed list if multiple shipments

(5) See list of abbreviations and codes on the next page

(6) Attach details if necessary

(7) Attach list if more than one

(8) If required by national legislation

(9) If applicable under the OECD Decision

LIST OF ABBREVIATIONS AND CODES USED IN THE NOTIFICATION DOCUMENT

DISPOSAL OPERATIONS (block 11)			
D1	Deposit into or onto land (e.g. landfill, etc.)		
D2	Land treatment (e.g., biodegradation of liquid or sludgy discards in soils, etc.)		
D3	Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)		
D4	Surface impoundment (e.g. placement of liquid or sludge discards into pits, ponds or lagoons, etc.)		
D5	Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)		
D6	Release into a water body except seas/oceans		
D7	Release into seas/oceans including sea-bed insertion		
D8	Biological treatment not specified elsewhere in this list which results in final compounds or mixtures which are discarded by means of any of the operations in this list		
D9	Physico-chemical treatment not specified elsewhere in this list which results in final compounds or mixtures which are discarded by means of any of the operations in this list (e.g. evaporation, drying, calcination, etc.)		
D10	Incineration on land		
D11	Incineration at sea		
D12	Permanent storage (e.g. emplacement of containers in a mine, etc.)		
D13	Blending or mixing prior to submission to any of the operations in this list		
D14	Repackaging prior to submission to any of the operations in this list		
D15	Storage pending any of the operations in this list		
RECOVERY OPERATIONS (block 11)			
R1	Use as a fuel (other than in direct incineration) or other means to generate energy (Basel/OECD) - Use principally as a fuel or other means to generate energy (EU)		
R2	Solvent reclamation/regeneration		
R3	Recycling/reclamation of organic substances which are not used as solvents		
R4	Recycling/reclamation of metals and metal compounds		
R5	Recycling/reclamation of other inorganic materials		
R6	Regeneration of acids or bases		
R7	Recovery of components used for pollution abatement		
R8	Recovery of components from catalysts		
R9	Used oil re-refining or other reuses of previously used oil		
R10	Land treatment resulting in benefit to agriculture or ecological improvement		
R11	Uses of residual materials obtained from any of the operations numbered R1-R10		
R12	Exchange of wastes for submission to any of the operations numbered R1-R11		
R13	Accumulation of material intended for any operation in this list.		
PACKAGING TYPES (block 7)		H-CODE AND UN CLASS (block 14)	
1. Drum		UN Class	H-code Characteristics
2. Wooden barrel			
3. Jerrican			
4. Box		1	H1 Explosive
5. Bag		3	H3 Flammable liquids
6. Composite packaging		4.1	H4.1 Flammable solids
7. Pressure receptacle		4.2	H4.2 Substances or wastes liable to spontaneous combustion
8. Bulk		4.3	H4.3 Substances or wastes which, in contact with water, emit flammable gases
9. Other (specify)			
MEANS OF TRANSPORT (block 8)		5.1	H5.1 Oxidizing
R = Road		5.2	H5.2 Organic peroxides
T = Train/rail		6.1	H6.1 Poisonous (acute)
S = Sea		6.2	H6.2 Infectious substances
A = Air		8	H8 Corrosives
W = Inland waterways		9	H10 Liberation of toxic gases in contact with air or water
PHYSICAL CHARACTERISTICS (block 13)		9	H11 Toxic (delayed or chronic)
1. Powdery/powder		9	H12 Ecotoxic
2. Solid		9	H13 Capable, by any means, after disposal of yielding another material, e. g., leachate, which possesses any of the characteristics listed above
3. Viscous/paste			
4. Sludgy			
5. Liquid			
6. Gaseous			
7. Other (specify)			

Further information, in particular related to waste identification (block 14), i.e. on Basel Annexes VIII and IX codes, OECD codes and Y-codes, can be found in a Guidance/Instruction Manual available from the OECD and the Secretariat of the Basel Convention."

The Demolition of Delimara 1 Power Station

PLAN OF WORKS, GENERAL METHOD STATEMENT, & RISK ASSESSMENT

FOR THE

The Removal of Hazardous Materials

General Plan of Works

Schedule 5

TFS Export Permit for Fly Ash

MT17/000019

5th June 2017

Ing. Oliver Fenech
PT Matic Environmental Services Limited
San Gwakkinn Road
Mriehel BKR 3000
MALTA

Subject: *Transfrontier Movement of Waste consisting of fly ash from combustion process or residues from scrubbing treatment, filter cake from gas treatment and boiler washings (EWC 10 01 18*, 19 01 05*, 19 01 15* and 10 01 04*) to Spain in terms of Regulation (EC) No 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste (hereinafter referred to as the Waste Shipment Regulation)*

Approval of Application No MT 17/000019

Dear Sir / Madam,

The Environment and Resources Authority, as competent authority of dispatch, approves the above-mentioned Notification Document (hereinafter referred to as your application) for the transfrontier movement of waste (here: **export**) with number MT 17/000019 in terms of article 9 of the Waste Shipment Regulation and national legislation Legal Notice 285 of 2011 on Waste management (Shipment of Waste) Regulations, 2011.

This letter shall be classified as a written decision (approval) in terms of article 9 of the Regulation and article 6 of the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal adopted by the Conference of the Plenipotentiaries on 22 March 1989 (hereinafter referred to as the Basel Convention).

This approval is only granted for the movement of waste according to the particulars given in your application and in terms of the requirements of Legal Notice 285 of 2011 on Waste management (Shipment of Waste) Regulations, 2011.



1. General Conditions

- 1.1 This approval shall be limitedly granted until 14th April 2018 (General Notification) with the reservation of subsequent revocation.
- 1.2 This approval shall not be transferable.
- 1.3 The data given in your application shall be a component of this approval. In instances of differences with this approval (including the incidental provisions and possible amendments to your application), the latter shall have priority over the data in your application.
- 1.4 A copy of this approval (including the incidental provisions and possible amendments to your application) or copies thereof, together with a copy of the Notification Document (including its annexes) signed and stamped by the Environment and Resources Authority, as competent authority of dispatch, as well as the completed Movement Document shall accompany all means of conveyance used for the movement of the waste.
- 1.5 The movement of the waste shall only commence if you also have the written consents of the competent authorities of destination and transit (signed and stamped Notification Documents, where applicable).
- 1.6 A copy of the Letter of Acceptance from the competent authorities of destination and transit (where applicable) together with a copy of the signed and stamped Notification Document by the competent authorities of destination and transit (where applicable), shall accompany all means of conveyance used for the movement of the waste.
- 1.7 The personnel entrusted with the movement of the waste shall be familiar to deal with dangers arising from the waste. In case of accidents through which hazardous substances are released, they shall be able to take the necessary precautions and steps regarding the waste that is being transported, especially to inform the responsible bodies (police, fire brigade, maritime authority, transport authority, environmental protection authority).
- 1.8 The carriers shall be informed by the notifying person about these incidental provisions.
- 1.9 The waste shall only transit via the specific points of entry and exit as indicated in the Notification Document (see **Annex I** to your application).



- 1.10 The route of transport quoted in your application (see **Annex I** to your application) is declared as binding. Amendments to the route of transport shall be notified to the Environment and Resources Authority, as competent authority of dispatch.
- 1.11 Except for the handling of the waste onto other means of transport in the harbours indicated above, the waste shall be transported directly – without disposal, recovery or interim storage – from the producer of the waste to the waste disposal facility indicated in the Notification Document. It is not permitted to mix with other waste.
- 1.12 The transport of the waste on the road shall only be done with vehicles, licensed and roadworthy for the transport, for the carriers that are listed in your application. In the case of waste that requires particular monitoring, the vehicles which are used shall have a third party motor insurance.
- 1.13 This approval shall terminate if the insurance coverage stops. It shall also terminate with the withdrawal of the transport authorisation in terms of and the withdrawal or time lapse of the relative waste disposal facility authorisation. The safe execution of the transport shall be the sole responsibility of the holder of this approval and of the carriers. It shall not be permitted to sub-contract the transport to carriers that are not listed in your application.
- 1.14 The transport vehicles and the transport containers shall be suitable for the waste that is transported. The containers shall be leak-proof, shatterproof and resistant against the type of waste that is transported. The transport shall be done in such a way that the well being of the community is not affected. Observance of the international transport agreements especially the European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR) and the Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) is especially underlined.
- 1.15 The provisions of the international transport agreements, especially the International Convention for the Safety of Life at Sea (SOLAS) including the International Maritime Dangerous Goods (IMDG) Code, shall be observed.
- 1.16 A financial guarantee or equivalent insurance satisfying the requirements of Article 6 of the Regulation shall be in force in respect of the shipment(s) referred to in the Notification Document at the time the waste is shipped out of Malta. Shipments under the Notification Document shall only commence when the Environment and Resources Authority certifies that, as competent authority of dispatch, it is satisfied that there is in force in respect of the shipment(s) referred to in the Notification Document a financial guarantee or equivalent insurance satisfying the requirements of Article 6 of the Regulation.

- 1.17 To release the financial guarantee or equivalent insurance, the confirmation of recovery from the waste recovery facility has to be presented to the Environment and Resources Authority, as competent authority of dispatch, with a copy to the competent authorities of destination and transit (where applicable), as soon as possible and not later than 180 days following the receipt of the maximum amount of waste covered by the financial guarantee or equivalent insurance in transit or in storage awaiting recovery at any one time.
- 1.17.1 During the period when the financial guarantee or equivalent insurance is exhausted and no certificate of disposal about the actual disposal of the above-mentioned partial amount is presented, any further movement of the waste shall be prohibited and no further order by the competent authorities concerned shall be required for informing of this. Any movement of the waste affected in spite of this is considered to be illegal in terms of article 2 (35) of the Regulation and article 9 of the Basel Convention.
- 1.17.2 This approval shall expire if the financial guarantee or equivalent insurance is terminated.
- 1.18 The Environment and Resources Authority, as competent authority of dispatch, reserves the right to supplement, to amend or to later include incidental provisions in this approval.
- 1.19 The harmlessness of the vehicle carrying the waste shall not be assumed anymore if there are changes in the factual and legal circumstances. The Environment and Resources Authority, as competent authority of dispatch, shall be notified instantly about changes in the circumstances.
- 1.20 Any accident and/or environmental pollution occurring during shipment shall be reported to the Environment and Resources Authority, as competent authority of dispatch, and in such an eventuality the exporter shall be obliged to accomplish remediation at his expense.
- 1.21 If the movement of the waste cannot be completed in accordance with the terms of this approval, the notifying person shall assume responsibility to ensure that the waste is disposed of / recovered in an environmentally acceptable manner.
- 1.22 Any aggrieved person may appeal from this decision before the Environment and Review Tribunal within 30 days in terms of Article 63 of the Environment Protection Act.



2. Additional Conditions

- 2.1 The holder of this permit shall prevent escape of the waste covered by this notification from his control or that of any other person engaged to manage this waste under this permit.
- 2.2 The holder of this permit is to ensure that waste is safely loaded, stored and transported in a safe manner to the treatment facility indicated in the Notification document.
- 2.3 This permit does not exempt the holder from obtaining any additional permits which may be required.
- 2.4 The holder of this permit shall ensure that all possible measures are taken to avoid any harm to the environment as a result of the loading and transport of the waste covered by this notification.
- 2.5 The holder of this permit is responsible for any damage to the environment resulting from operations linked to this permit, including any operations linked to the loading of the waste.
- 2.6 Should any operations covered by this permit cause damage to the Environment that was not anticipated when the permit was granted, or if the conditions of this permit are not adhered to, the Competent Authority of Dispatch reserves the right to temporarily suspend all operations linked to this permit. If the damage is not remedied or if the conditions of this permit or rules are not complied with, the Environment and Resources Authority reserves the right to withdraw the permit.

3. Reasons

- 3.1 The Environment and Resources Authority is the competent authority of dispatch as regards the subject in caption (Legal Notice 285 of 2011 on Waste management (Shipment of Waste) Regulations, 2011).
- 3.2 The **Consejería de Medio Ambiente y Ordenación del Territorio, Dirección General de Prevención y Calidad Ambiental, Servicio de Residuos y Calidad del Suelo, Avda. Manuel Siurot, 50.41013, Sevilla, Spain**, is the competent authority of destination as regards the subject in caption.



- 3.3 The procedure of general notification can be revoked by the Environment and Resources Authority if the composition of the waste does not correspond with the details in your application or if the conditions for the recovery / disposal are not kept.
- 3.4 The export could be accepted for the following reasons:
- 3.4.1 A copy of the acknowledgment of receipt from the **Consejería de Medio Ambiente y Ordenación del Territorio, Dirección General de Prevención y Calidad Ambiental, Servicio de Residuos y Calidad del Suelo, Avda. Manuel Siurot, 50.41013, Sevilla, Spain**, as competent authority of destination, dated 16 May 2017 was received on 26 May 2017.
 - 3.4.2 The **Consejería de Medio Ambiente y Ordenación del Territorio, Dirección General de Prevención y Calidad Ambiental, Servicio de Residuos y Calidad del Suelo, Avda. Manuel Siurot, 50.41013, Sevilla, Spain**, as competent authority of destination, has not raised any concerns regarding the compliance of the waste disposal facility at **Befesa Gestión de Residuos Industriales S.L., Nerva – Huelva Ctra. Nerva-El Madroño, km 0,800, 21670 Nerva (Huelva), Spain**, on behalf of **PT Matic Environmental Services Limited, San Gwakkın Road, Mriehel BKR 3000, Malta**, that seems to be ensured.
 - 3.4.3 The letter of Acceptance from **Consejería de Medio Ambiente y Ordenación del Territorio, Dirección General de Prevención y Calidad Ambiental, Servicio de Residuos y Calidad del Suelo, Avda. Manuel Siurot, 50.41013, Sevilla, Spain**, as competent authority of destination, has not been received.

4. Order for payment of costs

- 4.1 The order for payment of costs is based on article 29 of the Regulation and provision 4 of Legal Notice 285 of 2011 on Waste management (Shipment of Waste) Regulations, 2011.



5. Notices

- 5.1 This approval shall only permit the export of the waste for safe treatment and disposal with the means of conveyance quoted in your application and of the waste producer(s) or collection area(s) mentioned therein to each designated disposal facility. Permission for amendment shall be applied for if there are changes of the details made in your application especially regarding amendments to the notifying person, type of waste, waste producer(s), collection area(s) and/or means of conveyance, which shall require the filling-in of a new Notification Document (if applicable).
- 5.2 This approval can be cancelled or withdrawn especially if the details in your application are wrong or incomplete, in case of breach of the conditions or other infringements of the provisions of Legal Notice 285 of 2011 on Waste management (Shipment of Waste) Regulations, 2011, and any other relevant legislation. Furthermore infringements against these provisions can be punished as criminal offence or administrative offence as the case may be.
- 5.3 This approval does not include the permits, licences or other requirements necessary according to other regulations (especially in terms of national or international traffic law regarding the transport of dangerous goods including the Motor Vehicles (Carriage of Dangerous Goods by Road) Regulations, 2003, as published by Legal Notice 211 of 2003). For these, a separate application with the responsible authorities shall be done. This approval moreover shall not affect other requirements that the Motor Vehicles (Carriage of Dangerous Goods by Road) Regulations, 2003, as published by Legal Notice 211 of 2003, demand – especially regarding the substances transported, the means of conveyance, the transport personnel and accompanying documents. It is to be pointed out that the waste that is to be disposed can be considered as dangerous good according to the Motor Vehicles (Carriage of Dangerous Goods by Road) Regulations, 2003, as published by Legal Notice 211 of 2003, and that, according to these regulations, the means of conveyance shall be labelled accordingly.
- 5.4 The procedures established by the Environment and Resources Authority regarding the preparation of the Movement Document prior to every shipment, should be abided to.
- 5.5 The delivery terms and conditions of acceptance of the waste recovery facility shall be met.

A copy of this approval should be sent by the Notifier to the competent authorities of destination and transit (where applicable) for their information.

Best regards,

Prepared by:



Mr Charlie Debrincat
Asst. Environment Protection Officer
Tel: +356 2292 3580
E-mail: charlie.debrincat@era.org.mt

Checked by:



Mr Mark O'Neill
Senior Officer Environmental Permitting
Tel: +356 2292 3713
E-mail: mark.oneill@era.org.mt

Approved by:



Mr Anthony Aquilina
Unit Manager
Tel: +356 2292 3702
E-mail: anthony.j.aquilina@cra.org.mt

Attached: Approved Notification Document MT 17/000019
Approved sample of Movement Document for MT 17/000019

TRANSFRONTIER MOVEMENT OF WASTE – Notification Form

EUROPEAN COMMUNITY (a)

1. Exporter - Notifier Registration No: C17720 Name: PT MATIC ENVIRONMENTAL SERVICES LIMITED Address: SAN GWAKKIN ROAD MRIEHEL BKR3000 MALTA Contact person: OLIVER FENECH Tel: +356 2144 3538 Fax: +356 2148 4077 E-mail: oliver.fenech@ptmatic.com.mt		3. Notification No: MT17/000019 Notification concerning A.(i) Individual shipment: <input type="checkbox"/> (ii) Multiple shipments: <input checked="" type="checkbox"/> B.(i) Disposal (1): <input checked="" type="checkbox"/> (ii) Recovery: <input type="checkbox"/> C. Pre-consented recovery facility (2,3) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
2. Importer - consignee Registration No: AN-0032/GRU-0116 Name: BEFESA GESTION DE RESIDUOS INDUSTRIALES S.L Address: CTRA. NERVA -EL MADRONO, KM 0,800 21.670 - NERVA (HUELVA) SPAIN Contact person: Nereida Pascual Tel: +34 959 58 00 43 E-mail: nereida.pascual@befesa.com		4. Total intended number of shipments: 55 5. Total intended quantity (4): Tonnes (Mg): 1600 m³: 2200 6. Intended period of time for shipment(s) (4): 15th April 2017 Last departure: 14th April 2018	
8. Intended carrier(s) Registration No: Name(7): SEE ANNEX 1 (NOTIFICATION PACKAGE) Contact person: Tel: Fax: E-mail: Means of transport (5): R/S/R		7. Packaging type(s) (5): 5 - BAGS, 8 - BULK, 9 - IBCs Special handling requirements (6): Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> 11. Disposal / recovery operation(s) (2) D-code / R-code (5): D09 Technology employed (6): Stabilization and safety deposit Reason for export (1,6): NO FACILITIES AVAILABLE LOCALLY	
9. Waste generator(s) - producer(s) (1;7;8) Registration No: Name: See Annex 2 (NOTIFICATION PACKAGE) Address: Contact person: Tel: Fax: E-mail: Site and process of generation (6)		12. Designation and composition of the waste (6): FLY ASHES FROM COMBUSTION PROCESS OR RESIDUES FROM SCRUBBING TREATMENT, FILTER CAKE FROM GAS TREATMENT, BOILER WASHINGS	
10. Disposal facility (2): <input checked="" type="checkbox"/> or recovery facility (2): <input type="checkbox"/> Registration No: AN-0032/GRU-0116 Name: BEFESA GESTION DE RESIDUOS INDUSTRIALES S.L Address: CTRA. NERVA -EL MADRONO, KM 0,800 21.670 - NERVA (HUELVA), SPAIN Contact person: Nereida Pascual Tel: +34 959 58 00 43 E-mail: nereida.pascual@befesa.com		13. Physical characteristics (5): 1 - POWDER 14. Waste identification (fill in relevant codes) (i) Basel Annex VIII (or IX if applicable): A4110 (ii) OECD code (if different from (i)): / (iii) EC list of wastes: 100118*, 190105*, 190115*, 100104* (iv) National code in country of export: 100118*, 190105*, 190115*, 100104* (v) National code in country of import: 100118*, 190105*, 190115*, 100104* (vi) Other (specify): N/A (vii) Y-code: Y23, Y31, Y43, Y44 (viii) H code: H12 Ecotoxic (ix) UN Number: 3077 (x) Class: 9 (xi) shipping name Environmentally hazardous substance, solid, n.o.s (xii) Customs code(s) (HS): 26210000	
Actual site of disposal/recovery (2) YES			
15. (a) Countries/states concerned, (b) code No. of competent authorities where applicable, (c) specific points of exit or entry (border crossing or port)			
State of export - dispatch (a) MALTA (b) MT01 (c) MARSAXLOKK		State(s) of transit (entry and exit) State of import - destination SPAIN ES Refer to Annex 1	
16. Customs offices of entry and/or exit and/or export (European Community):			
Entry: Exit: Export:			
17. Exporter's - notifier's / generator's - producer's (1) declaration: I certify that the information is complete and correct to my best knowledge. I also certify that legally enforceable written contractual obligations have been entered into and that any applicable insurance or other financial guarantee is or shall be in force covering the transboundary movement.			
Exporter's - notifier's name: CLAUDIA BUHAGIAR Date: 03.05.2017 Signature:		18. Number of annexes attached: 3	
Generator's - producer's name: ANNEX II (Notification package) Date: Signature:			
FOR USE BY COMPETENT AUTHORITIES			
19. Acknowledgement from the relevant competent authority of countries of import - destination / transit (1) / export - dispatch (2): Country: ESPAÑA Notification received on: 16/05/2017 Acknowledgement sent on: 26/05/2017 Name of competent authority: Stamp and/or signature:		20. Written consent (1;8) to the movement provided by the competent authority of (country): MALTA Consent given on: 05/06/2017 Consent valid from: Specific conditions: No: <input type="checkbox"/> Name of competent authority: ERA Stamp and/or signature:	
21. Specific conditions on consenting to the movement or reasons for objecting This Permit is subject to the conditions laid down in our Permit dated 5th June 2017.			

(1) Required by the Basel Convention.

(2) In the case of an R12/R13 or D13-D15 operation, also attach corresponding information on any subsequent R12/R13

or D13-D15 facilities and on the subsequent R1-R11 or D1-D12 facility(ies) when required

(3) To be completed for movements within the OECD area and only if B(ii) applies

(4) Attach detailed list if multiple shipments

(5) See list of abbreviations and codes on the next page

(6) Attach details if necessary

(7) Attach list if more than one

(8) If required by national legislation

(9) If applicable under the OECD Decision

LIST OF ABBREVIATIONS AND CODES USED IN THE NOTIFICATION DOCUMENT

DISPOSAL OPERATIONS (block 11)			
D1	Deposit into or onto land (e.g. landfill, etc.)		
D2	Land treatment (e.g., biodegradation of liquid or sludgy discards in soils, etc.)		
D3	Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)		
D4	Surface impoundment (e.g. placement of liquid or sludge discards into pits, ponds or lagoons, etc.)		
D5	Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)		
D6	Release into a water body except seas/oceans		
D7	Release into seas/oceans including sea-bed insertion		
D8	Biological treatment not specified elsewhere in this list which results in final compounds or mixtures which are discarded by means of any of the operations in this list		
D9	Physico-chemical treatment not specified elsewhere in this list which results in final compounds or mixtures which are discarded by means of any of the operations in this list (e.g. evaporation, drying, calcination, etc.)		
D10	Incineration on land		
D11	Incineration at sea		
D12	Permanent storage (e.g. emplacement of containers in a mine, etc.)		
D13	Blending or mixing prior to submission to any of the operations in this list		
D14	Repackaging prior to submission to any of the operations in this list		
D15	Storage pending any of the operations in this list		
RECOVERY OPERATIONS (block 11)			
R1	Use as a fuel (other than in direct incineration) or other means to generate energy (Basel/OECD) - Use principally as a fuel or other means to generate energy (EU)		
R2	Solvent reclamation/regeneration		
R3	Recycling/reclamation of organic substances which are not used as solvents		
R4	Recycling/reclamation of metals and metal compounds		
R5	Recycling/reclamation of other inorganic materials		
R6	Regeneration of acids or bases		
R7	Recovery of components used for pollution abatement		
R8	Recovery of components from catalysts		
R9	Used oil re-refining or other reuses of previously used oil		
R10	Land treatment resulting in benefit to agriculture or ecological improvement		
R11	Uses of residual materials obtained from any of the operations numbered R1-R10		
R12	Exchange of wastes for submission to any of the operations numbered R1-R11		
R13	Accumulation of material intended for any operation in this list.		
PACKAGING TYPES (block 7)		H-CODE AND UN CLASS (block 14)	
1. Drum		UN Class	H-code Characteristics
2. Wooden barrel			
3. Jerrican			
4. Box		1	H1 Explosive
5. Bag		3	H3 Flammable liquids
6. Composite packaging		4.1	H4.1 Flammable solids
7. Pressure receptacle		4.2	H4.2 Substances or wastes liable to spontaneous combustion
8. Bulk		4.3	H4.3 Substances or wastes which, in contact with water, emit flammable gases
9. Other (specify)			
MEANS OF TRANSPORT (block 8)		5.1	H5.1 Oxidizing
R = Road		5.2	H5.2 Organic peroxides
T = Train/rail		6.1	H6.1 Poisonous (acute)
S = Sea		6.2	H6.2 Infectious substances
A = Air		8	H8 Corrosives
W = Inland waterways		9	H10 Liberation of toxic gases in contact with air or water
PHYSICAL CHARACTERISTICS (block 13)		9	H11 Toxic (delayed or chronic)
1. Powdery/powder		9	H12 Ecotoxic
2. Solid		9	H13 Capable, by any means, after disposal of yielding another material, e. g., leachate, which possesses any of the characteristics listed above
3. Viscous/paste			
4. Sludgy			
5. Liquid			
6. Gaseous			
7. Other (specify)			

Further information, in particular related to waste identification (block 14), i.e. on Basel Annexes VIII and IX codes, OECD codes and Y-codes, can be found in a Guidance/Instruction Manual available from the OECD and the Secretariat of the Basel Convention. *

The Demolition of Delimara 1 Power Station

PLAN OF WORKS, GENERAL METHOD STATEMENT, & RISK ASSESSMENT

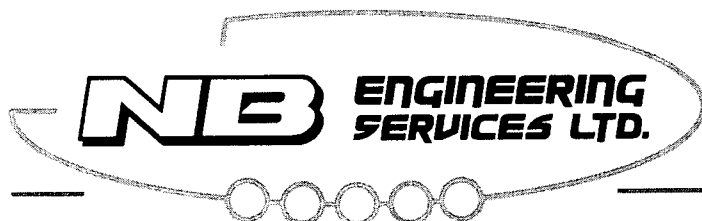
FOR THE

The Removal of Hazardous Materials

General Plan of Works

Schedule 6

Engineer Certificates for Equipment to be used in Project



Flat1, Block 4 , St. Peter's Court
J.G. Baldacchino Street,
Zabbar, ZBR 2243

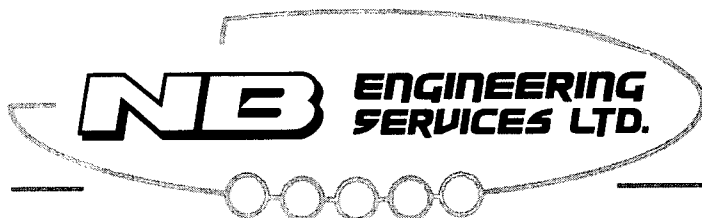
Mob: +356 9980 4748
Tel: +356 2180 5046 Fax: +356 2180 6853

Email: nikibel@onvol.net Vat: MT1580-8323

Certification of Test & Examination of a Forklift Truck
LN 293/2016
Work Equipment (Minimum Safety & Health Requirements)
Regulations
2016
Certificate No.: NB/FL / 099 / 2017

General Information			
<i>Responsible Person</i> <i>Address</i>		The Director Miksons Transport Co.Ltd Hal Far Industrial Estate Hal Far	
<i>Manufacturer</i> <i>Manufacturing Date</i> <i>Model</i> <i>Serial Number</i> <i>Registration Number</i> <i>Safe Working Load</i> <i>Height</i> <i>Type of forklift</i> <i>Power</i> <i>Maintained by</i>		TCM To be advised FD18Z6 46700195 IHQ 049 1150 kg @ 500mm 3 mast Normal Fork Lifter Diesel In – house	
1. Visual Inspection			
<i>Slides</i>	Acceptable	<i>Chains</i>	Acceptable
<i>Hydraulic Cylinders</i>	Acceptable	<i>Forks</i>	Acceptable
<i>Body Structure</i>	Acceptable	<i>Tyres</i>	Acceptable
2. Manoeuvrability			
<i>Footbrake</i>	See Section 5	<i>Steering</i>	Acceptable
<i>Handbrake</i>	See Section 5		
3. Hydraulic System			
<i>Valves</i>	Acceptable	<i>Fittings/engagement</i>	Acceptable
<i>Hoses/lines</i>	Acceptable	<i>Lubrication system & pts</i>	Acceptable
4. Safety Working Features			
<i>Light-front/brake/beacon</i>	See Section 5	<i>Indicators</i>	Acceptable
<i>Horn</i>	See Section 5	<i>Authorized key start</i>	Acceptable
<i>Reverse acoustic sound</i>	Acceptable	<i>Working acoustic sound</i>	Acceptable
<i>Gauges</i>	Acceptable	<i>Mirrors</i>	Acceptable
<i>Safety switches</i>	Acceptable	<i>Seat Belt</i>	See Section 5
<i>Driver seat</i>	Acceptable	<i>Seat safety switch</i>	None or Not applicable
<i>Guards/cages</i>	Acceptable	<i>Speed controllers</i>	Acceptable
<i>Labels/Markings</i>	Acceptable	<i>Fire Extinguisher</i>	Acceptable
5. Repairs (if any) required			
Seat belt to install			
6. Other Observations			
Lifter should be repaired before use is continued.			
I certify that on the 02.06.2017 I/ we have tested the above stacking device and that careful examination of the said stacker after the test, showed that it had withstood the proof load (1150kg @ per load label) without injury or permanent deformation; and the safe working load of the said forklift truck is as per load label.			
Ing. Nicholas Bellizzi B.Mech.Eng., M.Sc., Eur. Ing Warrant Number: 213			
		Signature	
Issue Date: 05.06.2017		Next Inspection: June, 2018	

VAT No 1580-8323

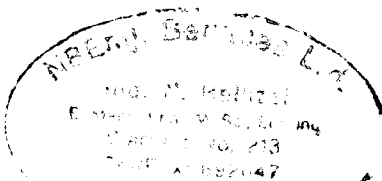
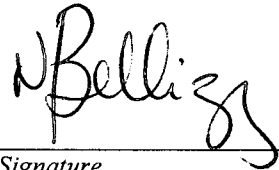


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Email: nikibel@onvol.net Vat: MT1580-8323

Certification of Test & Examination of a Forklift Truck
LN 293/2016
Work Equipment (Minimum Safety & Health Requirements)
Regulations
2016
Certificate No.: NB/FL / 100 / 2017

General Information			
Responsible Person Address		The Director Miksons Transport Co.Ltd Hal Far Industrial Estate Hal Far	
Manufacturer Manufacturing Date Model Serial Number Registration Number Safe Working Load Height Type of forklift Power Maintained by		Hyster E1.75XM D114A03616X None 1710 kg @ 500mm 3 mast - 3270mm height Normal Fork Lifter Battery operated In – house	
1. Visual Inspection			
Slides	Acceptable	Chains	Acceptable
Hydraulic Cylinders	Acceptable	Forks	Acceptable
Body Structure	Acceptable	Tyres	Acceptable
2. Manoeuvrability			
Footbrake	Acceptable	Steering	Acceptable
Handbrake	Acceptable		
3. Hydraulic System			
Valves	Acceptable	Fittings/engagement	Acceptable
Hoses/lines	Acceptable	Lubrication system & pts	Acceptable
4. Safety Working Features			
Light-front/brake/beacon	Acceptable	Indicators	Acceptable
Horn	Acceptable	Authorized key start	Acceptable
Reverse acoustic sound	See Section 5	Working acoustic sound	Acceptable
Gauges	Acceptable	Mirrors	Acceptable
Safety switches	Acceptable	Seat Belt	Acceptable
Driver seat	Acceptable	Seat safety switch	None or Not applicable
Guards/cages	Acceptable	Speed controllers	Acceptable
Labels/Markings	Acceptable	Fire Extinguisher	Acceptable
5. Repairs (if any) required			
Filter not to be used after darkness To repair reverse sounder			
6. Other Observations			
Fire extinguishers available inside factory / site			
I certify that on the 02.06.2017, I/ we have tested the above stacking device and that careful examination of the said stacker after the test, showed that it had withstood the proof load (1710kg @ per load label) without injury or permanent deformation; and the safe working load of the said forklift truck is as per load label.			
Ing. Nicholas Bellizzi B.Mech.Eng., M.Sc., Eur. Ing Warrant Number: 213		 <div style="text-align: right; margin-top: 10px;">  Signature </div>	
Issue Date: 05.06.2017		Next Inspection: June, 2018	



Burmarrad Road, Burmarrad SPB 9060 - Malta
+356 2157 3261 +356 2157 7286

info@bc.com.mt

www.bc.com.mt

Mr. Oliver Fenech
PT Matic Environmental Services Ltd.
Alberta Head Office,
San Gwakkin Road,
Mrieħel BKR3000

11.01.2013

We confirm that vehicle with registration number **ABW 161**, bearing chassis number JAAN1R75T67100230 complies with the EURO 4 standard according to the European emission standards. [Euro 4 (2005) for any vehicle - 98/69/EC (& 2002/80/EC)]

Thank You,

A handwritten signature in black ink, appearing to read 'Mario Gauci, Jr.', with a stylized flourish at the end.

Mario Gauci, Jr. | Director

Mario Magri B.Eng. (Hons.)
 "Qawsalla"
 Pawlu Inguanez street,
 Rabat, Malta.
 Tel: 21 451228 - 9949 0618

Date: 24th APRIL 2013

REF: ISUZU 01-040413

TO WHOM IT MAY CONCERN

Subject : Emissions of EURO IV Isuzu

This is to confirm that the following vehicle has been manufactured in 2006 and complies to EURO IV emission standards as indicated below.

Details of truck:

Reg. No.:	ABW-161
Make:	ISUZU
Axles:	TWO
Gross vehicle weight:	7500kg
Chassis No.:	JAAN1R75T671002370
Engine No.:	279650
Engine cc:	5193cc
Cylinders:	Four
Colour:	WHITE
Year of manufacture:	2006
Owner:	BURMARRAD COMMERCIALS

The following vehicle has been manufactured in order to comply to the following exhaust emissions. The vehicle has been inspected and all exhaust components are present and functioning.

b) Exhaust Emissions - EURO IV as per details on Log Book.

EU Emission Standards for HD Diesel Engines, g/kWh (smoke in m⁻¹)

Tier	Date	Test cycle	CO	HC	NO _x	PM	Smoke
------	------	------------	----	----	-----------------	----	-------

Euro IV	October 2005	ESC & ELR	1.5	0.46	3.5	0.02	0.5
---------	--------------	-----------	-----	------	-----	------	-----

NAME AND SURNAME OF PERSON
 PERFORMING INSPECTION

MARIO MAGRI B.Eng. Hons.
 Tel: 21 451 228 Mob: 9949 0618
 Warrant No.: 550

The Demolition of Delimara 1 Power Station

PLAN OF WORKS, GENERAL METHOD STATEMENT, & RISK ASSESSMENT

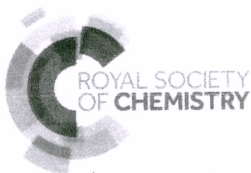
FOR THE

The Removal of Hazardous Materials

General Plan of Works

Schedule 7

Training & Medical Certificates for Operatives



Member of the Royal Society of Chemistry N^o.: 440777

Dr. Robert Cortis
B.Sc. (Hons.) *Melit.* M.Sc. *Melit.* Ph.D. (Strathclyde) MRSC
Industrial & Environmental Chemist

7, Little Danny Fl. 2,
Dun Xand Cortis Street,
Birkirkara, BKR 1530,
Malta, EU.
VAT N^o.: MT 1852-1917

Tel N^o.: +356 21440144

Mob N^o.: +356 79069621

E-mail: robert.cortis.02@um.edu.mt

CERTIFICATE OF TRAINING

This document certifies that the attendee has actively participated and successfully completed the training course delivered.

Name of Attendee:

PAUL MICALLEF

Course Contents:

Chemical Hazard Categories
General and Specific Health & Safety
The Chemistry of Asbestos – Uses, Health Risks and Removal
Disposal of Waste

Course Date:

19th July 2016

Certificate Issued On:

19th July 2016

**Name of Consultant Delivering
Lectures and Training:**

Dr. Robert Cortis
B.Sc. (Hons.) M.Sc. Ph.D. MRSC

Signed:- _____



Chamber of
Engineers

Licence No.226 MALTA

in collaboration with



AWTORITÀ GĦAS-SAĦĦA U S-SIGURTÀ FUQ IL-POST TAX-XOĠĦOL
OCCUPATIONAL HEALTH & SAFETY AUTHORITY

This is to certify that

Paul Micallef

ID Nr: 536364M

has successfully completed a 15 hour course on

Principles of Safe Forklift Operation

held during the month of March 2016

Certificate number 0071816 valid for 3 years

Ing. Norman Zammit
President, Chamber of Engineers

Ing. Jonathan Cutajar
Tutor

ADR DRIVER TRAINING CERTIFICATE

M



1. 536364M
2. Paul
3. Micallef
4. 10/21/1964
5. Maltese
- 6.

7.  Transport
Malta
8. VALID TO:



VALID FOR CLASS(ES) OR UN Nos.:

TANKS

OTHER THAN TANKS

CLASS 3

CLASS 6

CLASS 9

PAUL MICALLEF
RESPIRATORY ASSESSMENT

30th June 2016

Mr. Paul Micallef is a 51 year-old employee who underwent respiratory assessment as he is currently working in asbestos. He has worked in asbestos for the past three years.

He is currently well and denies any respiratory symptoms. He has been working with asbestos for the past three years, however he has always taken the necessary precautions when it comes to safety equipment.

He suffers from hypertension and hypercholesterolaemia. He is on amlodipine 5mg and simvastatin 20mg as treatment started about 5 months ago by his GP. He has no surgical history.

He is a current lifelong smoker (20 cigarettes daily) since the age of 12 years.

Clinical examination was normal with no evidence of lung or pleural pathology. Cardiovascular examination revealed normal heart sounds.

Investigations:

1. Chest x-ray was reported as normal with no evidence of asbestos-related disease.
2. Spirometry was within normal limits with a FEV1 of 3.79 L (130% predicted), FVC 4.67 L (132% predicted) and normal PEF. This is normal despite his smoking history.

Conclusion:

Mr. Paul Micallef is a healthy 51 year-old employee at PTMatic who denies any respiratory symptoms. He is a smoker but has no evidence of asbestos-related lung disease to date. He has been strongly advised to stop smoking and has been given the necessary precautionary advice related to asbestos exposure.

I hope you find this respiratory assessment useful.

Yours sincerely,

Josef Micallef

Dr. Josef Micallef MD FRCP(Lond.)
Consultant Respiratory Physician



Member of the Royal Society of Chemistry N°.: 440777

Dr. Robert Cortis
B.Sc. (Hons.) *Melit.* M.Sc. *Melit.* Ph.D. (Strathclyde) MRSC
Industrial & Environmental Chemist

7, Little Danny Fl. 2,
Dun Xand Cortis Street,
Birkirkara, BKR 1530,
Malta, EU.

VAT N°.: MT 1852-1917

Tel N°.: +356 21440144

Mob N°.: +356 79069621

E-mail: robert.cortis.02@um.edu.mt

CERTIFICATE OF TRAINING

This document certifies that the attendee has actively participated and successfully completed the training course delivered.

Name of Attendee:

RAYMOND AZZOPARDI

Course Contents:

Chemical Hazard Categories
General and Specific Health & Safety
The Chemistry of Asbestos – Uses, Health Risks and Removal
Disposal of Waste

Course Date:

26th October 2016

Certificate Issued On:

26th October 2016

**Name of Consultant Delivering
Lectures and Training:**

Dr. Robert Cortis
B.Sc. (Hons.) M.Sc. Ph.D. MRSC

Signed:-



This is to certify that:

Raymond Azzopardi

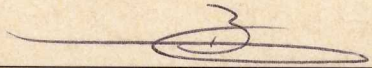
Successfully completed a:

Fork Lift Operator Course
(Ref: 61.000)

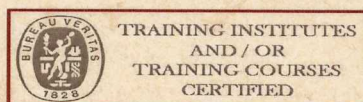
Held on: 24th May 2017

Certificate No. : 33810

Validity: 3 years / Expiry: 23rd May, 2020


International Safety Training College (Malta) Ltd.
Hal Far Road, Hal Far BBG 3000, Malta.
Tel. No. +356-21658281/2 Fax No. +356-21658283
E-Mail: info@istcollege.com.mt Website: www.istcollege.com.mt

Private School Licence No. 230 issued by the Ministry of Education – Malta.



ADR DRIVER TRAINING CERTIFICATE

M



1.0048362M

2.Raymond

3.Azzopardi

4.08/12/1961

5.MALTESE

6.

7.  Transport
Malta



8. VALID TO: 20/12/2021

VALID FOR CLASS(ES) OR UN Nos.:

TANKS

OTHER THAN TANKS

CLASS 3

CLASS 6

CLASS 9

RE- Raymond Azzopardi
48362M

7th December 2016

Mr. Raymond Azzopardi is a 55 year-old employee who underwent respiratory assessment as he is currently working in asbestos.

He is currently well and denies any respiratory symptoms. He has been working at PTmatic with asbestos for the past two months, however he has always taken the necessary precautions when it comes to safety equipment. He participated in an introductory course on asbestos.

He has no relevant medical or surgical history. He is a current lifelong smoker: 10 cigarettes daily. His previous occupations included plasterer, barman and fireplace installation.

Clinical examination was normal with no respiratory pathology.

Investigations:

1. Chest x-ray was reported as normal with no evidence of asbestos-related disease.
2. Spirometry was normal: FEV1 of 3.25 L (103% predicted), FVC of 3.84L (98% predicted) and PEFR of 541L/min (111% predicted).

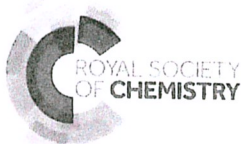
Conclusion:

Mr. Raymond Azzopardi is a healthy 55 year-old employee at PTMatic who denies any respiratory symptoms. He is a smoker with normal chest examination. He has no evidence of asbestos-related lung disease to date. He has been strongly advised to stop smoking and has been given the necessary precautionary advice related to asbestos exposure.

I hope you find this respiratory assessment useful.

Yours sincerely,
Josef Micallef
Dr. Josef Micallef MD FRCP (Lond.)
Consultant Respiratory Physician
Reg. No 2511
Email: josefmic@maltanet.net





Dr. Robert Cortis
B.Sc. (Hons.) *Melit.* M.Sc. *Melit.* Ph.D. (Strathclyde) MRSC
Industrial & Environmental Chemist

Member of the Royal Society of Chemistry N°.: 440777

7, Little Danny Fl. 2,
Dun Xand Cortis Street,
Birkirkara, BKR 1530,
Malta, EU.

VAT N°.: MT 1852-1917

Tel N°.: +356 21440144

Mob N°.: +356 79069621

E-mail: robert.cortis.02@um.edu.mt

CERTIFICATE OF TRAINING

This document certifies that the attendee has actively participated and successfully completed the training course delivered.

Name of Attendee:

RANDELL FELONIA

Course Contents:

The Chemistry of Asbestos – Uses & Health Risks
The Importance of Air Monitoring for Asbestos Microfibres
Proper Procedures for Safely Handling ACM
Proper Procedures for Disposing of ACM

Course Date:

12th August 2015

Certificate Issued On:

12th August 2015

**Name of Consultant Delivering
Lectures and Training:**

Dr. Robert Cortis
B.Sc. (Hons.) M.Sc. Ph.D. MRSC

Signed:-



Chamber of
Engineers

Licence No.226 MALTA

in collaboration with



AWTORITÀ GĦAS-SAĦĦA U S-SIGURTÀ FUQ IL-POST TAX-XOGĦOL
OCCUPATIONAL HEALTH & SAFETY AUTHORITY

This is to certify that

Randell Felonia

ID Nr: 0102069A

has successfully completed a 15 hour course on

Principles of Safe Forklift Operation

held during the month of March 2016

Certificate number 0072116 valid for 3 years

Ing. Norman Zammit
President, Chamber of Engineers

Ing. Jonathan Cutajar
Tutor

ADR DRIVER TRAINING CERTIFICATE

1. 102069A
2. Radell
3. Felonia
4. 8/14/1977
5. Philippines
- 6.

M



Transport
Malta

8. VALID TO: 8/27/2020



VALID FOR CLASS(ES) OR UN Nos.:

TANKS

OTHER THAN TANKS

CLASS 3

CLASS 6

CLASS 9



RE- Randell Felonia

24th March 2016

SAINT JAMES
HOSPITAL

Saint James Hospital Ltd
George Borg Olivier Street,
Sliema SLM 1807
Malta
Tel: (356) 2329 1000
Fax: (356) 2133 0226
info@stjameshospital.com
www.stjameshospital.com
Company Reg. No. C14713

Mr, Randell Felonia is a 38 year-old employee who underwent respiratory assessment as he is currently working in asbestos.

He is currently well and denies any respiratory symptoms. He has been working with asbestos for the past four years, however he has always taken the necessary precautions when it comes to safety equipment.

He underwent appendicectomy but otherwise has no other relevant medical or surgical history. He is a current lifelong smoker.

Clinical examination was normal apart from some rhonchi on chest auscultation related to his smoking habits.

Investigations:

1. Chest x-ray was reported as normal with no evidence of asbestos related disease.
2. Spirometry showed a mild obstructive defect due to smoking with a FEV1 of 2.51 L (72% predicted) but normal PEF.

Conclusion:

Mr Randell Felonia is a healthy 38 year-old employee at PTMatic who denies any respiratory symptoms. He is a smoker with some wheezing on chest examination. He has no evidence of asbestos-related lung disease to date. He has been strongly advised to stop smoking and has been given the necessary precautionary advice related to asbestos exposure.

I hope you find this respiratory assessment useful.

Yours sincerely,

Josef Micallef

St. James Hospital
George Borg Olivier Street,
Sliema SLM 12.
Tel: (356) 2133 5235
Fax: (356) 2133 0226

Dr. Josef Micallef MD FRCP(Lond)
Consultant Respiratory Physician
Reg. No 2511
Email: josefmic@maltanet.net



SAINT JAMES
HOSPITAL

Because our family cares...

Saint James Hospital Ltd
George Borg Olivier Street,
Sliema SLM 1807
Malta
Tel: (356) 2329 1000
Fax: (356) 2133 0226
info@stjameshospital.com
www.stjameshospital.com
Company Reg. No. C14713

24th March 2016

Patient : Mr. Randell FELONIA

ID : 211015S

CHEST X-RAY (PA view)

The diaphragm appears smooth and the costophrenic sinuses are clear.

The heart appears normal in size and morphology.

The lungs are clear.

The hilar and mediastinal shadows appear within normal limits.

CONCLUSION

Normal chest X-Ray.

Dr. Salvina Zrinzo MD FA für Radiologie
CONSULTANT RADIOLOGIST



Member of the Royal Society of Chemistry N°.: 440777

Dr. Robert Cortis
B.Sc. (Hons.) *Melit.* M.Sc. *Melit.* Ph.D. (Strathclyde) MRSC
Industrial & Environmental Chemist

7, Little Danny Fl. 2,
Dun Xand Cortis Street,
Birkirkara, BKR 1530,
Malta, EU.

VAT N°.: MT 1852-1917

Tel N°.: +356 21440144

Mob N°.: +356 79069621

E-mail: robert.cortis.02@um.edu.mt

CERTIFICATE OF TRAINING

This document certifies that the attendee has actively participated and successfully completed the training course delivered.

Name of Attendee:

REINER XUEREB

Course Contents:

Chemical Hazard Categories
General and Specific Health & Safety
The Chemistry of Asbestos – Uses, Health Risks and Removal
Disposal of Waste

Course Date:

26th October 2016

Certificate Issued On:

26th October 2016

**Name of Consultant Delivering
Lectures and Training:**

Dr. Robert Cortis
B.Sc. (Hons.) M.Sc. Ph.D. MRSC

Signed:-

ADR DRIVER TRAINING CERTIFICATE

M



1.0037438M

2.Reiner

3.Xuereb

4.04/07/1987

5.MALTESE

6.

7.  Transport
Malta



8. VALID TO: 20/12/2021

VALID FOR CLASS(ES) OR UN Nos.:

TANKS

OTHER THAN TANKS

CLASS 3

CLASS 6

CLASS 9



This is to certify that:

Reiner Xuereb

Successfully completed a:

Fork Lift Operator Course
(Ref: 61.000)

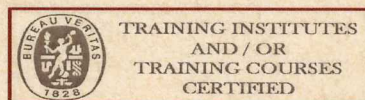
Held on: 24th May 2017

Certificate No. : 33812

Validity: 3 years / Expiry: 23rd May, 2020

International Safety Training College (Malta) Ltd.
Hal Far Road, Hal Far BBG 3000, Malta.
Tel. No. +356-21658281/2 Fax. No. +356-21658283
E-Mail: info@istcollege.com.mt Website: www.istcollege.com.mt

Private School Licence No. 230 issued by the Ministry of Education – Malta.



RE- Ranier Xuereb
374387M

17th November 2017

Mr, Ranier Xuereb is a 29 year-old employee who underwent respiratory assessment as he is currently working in asbestos.

He is currently well and denies any respiratory symptoms. He has been working with asbestos for the past two months, however he has always taken the necessary precautions when it comes to safety equipment. He participated in an introductory course on asbestos.

He has no relevant medical or surgical history. He is a current lifelong smoker 20 cigarettes daily. His previous occupations included driver and lifter driver.

Clinical examination was normal with no respiratory pathology. His blood pressure was 140/95mmHg, which is borderline high and needs follow up at his GP.

Investigations:

1. Chest x-ray was reported as normal with no evidence of asbestos related disease.
2. Spirometry showed an FEV1 of 3.94 L (97% predicted), FVC of 4.57L (95% predicted) and PEF of 554L/min.

Conclusion:

Mr Ranier Xuereb is a healthy 29 year-old employee at PTMatic who denies any respiratory symptoms. He is a smoker with normal chest examination. His isolated blood pressure reading was borderline high. He has no evidence of asbestos-related lung disease to date. He has been strongly advised to stop smoking and has been given the necessary precautionary advice related to asbestos exposure.

I hope you find this respiratory assessment useful.

Yours sincerely,

Josef Micallef
Dr. Josef Micallef MD FRCP (Lond.)
Consultant Respiratory Physician
Reg. No 2511
Email: josefmic@maltanet.net



The Demolition of Delimara 1 Power Station

The Removal of Hazardous Materials

Detailed Plans of Work for:

- **Waste Oils including Lubricating Oils**
- **Heavy Fuel Oil Sludge**
- **Waste Oils from Transformers**
- **Flyash including Boiler Residues**
- **Mineral Wool**
- **Calcium Silicate**
- **Waste Electrical & Electronic Equipment (WEEE)**

The Demolition of Delimara 1 Power Station

PLAN OF WORKS, GENERAL METHOD STATEMENT, & RISK ASSESSMENT

FOR THE

The Removal of Hazardous Materials

**Plan of Work for the Removal of Waste Oils
including Lubricating Oil**

The Demolition of Delimara 1 Power Station

The Removal of Hazardous Materials,

Plans of Work, General Method Statement, & Risk Assessments

Plan of Work for the Removal of Waste Oils

1. Introduction

There are various potential sources of waste oils etc. within the demolition areas. These include, but are not necessarily restricted to:

1. Waste oil following its removal from storage tanks;
2. Waste oil following its removal from operating machinery such as turbines, and
3. Contaminated and oily water following its use in cleaning operations.

PT Matic has substantial experience of handling all these types of waste and the methods to be adopted are set out below.

2. Waste Oils

Waste oil from storage tanks including that from turbines and other machinery will be handled as follows:

1. Depending on the method of storage and quantities involved the methods of handling will be either via suitable road tankers or IBC's.
2. Where the quantities require, the oils will be pumped into road tankers and taken either to a local facility or exported for recovery – the choice of disposal will be dictated principally by the quantities involved and the prevailing economics;
3. Where relatively small quantities are involved, these will be pumped into IBC's;
4. Filled IBC's will be wrapped in shrink wrap and then transported to the disposal facility for recovery;
5. Whichever approach is required, the working areas will be given a full environmental clean-up following the oil removal process.

The Demolition of Delimara 1 Power Station

PLAN OF WORKS, GENERAL METHOD STATEMENT, & RISK ASSESSMENT

FOR THE

The Removal of Hazardous Materials

Plan of Work for the Removal of Heavy Fuel Oils

The Demolition of Delimara 1 Power Station

The Removal of Hazardous Materials,

Plans of Work, General Method Statement, & Risk Assessments

Plan of Work for the Removal of Heavy Fuel Oils

1. Introduction

There could be substantial quantities of Heavy Fuel sludge arising on site from the demolition of HFO storage tanks.

2. HFO Sludge

The method which we will adopt for the collection, removal and disposal of heavy fuel oil sludge will be as follows:

1. New 220 ltr. Drums/IBC's will be placed on site to receive the material and these containers will be placed on euro pallets;
2. The waste material will be placed in the supplied containers manually as required and the drums placed onto a pallet (4 drums per pallet);
3. The pipe lines will be isolated by closing the isolation valves present and cut at specific discharge points;
4. The pipes will be discharged into IBCs/Drums via gravity flow;
5. All pipes will be thoroughly cleaned and certified prior to handling over for demolition;
6. The filled containers will be wrapped in pallet wrapping and the filled pallets will be placed in a steel 40' container for onward shipment;
7. The filled containers will be taken directly from site to the port for shipment. NB there will be No interim storage of the containers prior to shipment;
8. The containers will be shipped to the disposal facility where the material will be disposed of in an energy recovery facility, and
9. All the necessary disposal documentation will be supplied to Enemalta confirming the proper disposal of the material.

The Demolition of Delimara 1 Power Station

PLAN OF WORKS, GENERAL METHOD STATEMENT, & RISK ASSESSMENT

FOR THE

The Removal of Hazardous Materials

Plan of Work for the Removal of Flyash

The Demolition of Delimara 1 Power Station

The Removal of Hazardous Materials,

Plans of Work, General Method Statement, & Risk Assessments

Plan of Work for the Removal of Flyash/Boiler Washings

1. Introduction

PT Matic is the leading contractor in Malta for the disposal of all kinds of flyash. PTM has exported many thousands of tonnes of this material including:

- All the flyash material from Marsa Power Station since 2009;
- All the flyash material from the desulphurisation plant at the new Delimara Power Station;
- All the boiler washings from Delimara Power Station, and
- All the filter cake from the WasteServ Malta, Marsa Thermal Treatment Facility since 2008.

Flyash could well arise from a number of locations within the dismantling area. PTM has the experience to properly handle and dispose of the material wherever it arises.

2. Method of Loading and Treatment of Flyash

The method which we will adopt for the disposal of any flyash arising in the demolition area is summarised below:

- Any area where fly ash arises will be generally enclosed using barriers and, where practical, thick gauge plastic secured to a scaffold or similar framework;
- Where boiler hoppers are being emptied, the material will be emptied directly into UN approved jumbo bags from the hopper exit valves;
- Where flyash material is loose or in skips etc. the material will be manually placed into jumbo bags;
- The filled jumbo bags will be placed in 40' shipping containers until full;
- During the repacking, cleaning and removal works, monitoring of the particulate matter in the air surrounding the working area will be carried out by an independent analyst using the appropriate EU Directive, (2008/50/EC), as the guideline for the levels to be achieved;
- The working area will be decontaminated using mechanical/manual means and vacuums fitted with HEPA filtration;
- Following the decontamination process the independent safety officer will carry out clearance tests on the levels of PM 10's to confirm that the working area is safe;
- The full containers will be moved directly to port for shipping;

- The full containers will be shipped by road, sea and road to the disposal site;
- The material will be subjected to physico-chemical treatment to render it inert;
- The inert material will be placed into land fill, and
- The disposal documentation will be completed and presented to Enemalta and the appropriate authorities.

The Demolition of Delimara 1 Power Station

PLAN OF WORKS, GENERAL METHOD STATEMENT, & RISK ASSESSMENT

FOR THE

The Removal of Hazardous Materials

Plan of Work for the Removal of Mineral Wool

The Demolition of Delimara 1 Power Station

The Removal of Hazardous Materials,

Plans of Work, General Method Statement, & Risk Assessments

Plan of Work for Removal of Mineral Wool

1. Introduction

Whilst not officially classified as hazardous, mineral wool is an extremely unpleasant material to handle and to dispose of. Care therefore needs to be taken wherever it needs to be removed.

2. Method of Handling Mineral Wool

The procedures which PTM adopts for handling mineral wool are as follows:

- The operatives involved will be required to wear appropriate PPE including half face masks;;
- The material will be sprayed with PVA glue solution;
- The material will be placed manually in approved “jumbo bags” which have been placed on euro pallets;
- Full bags will be placed in the PTM approved vehicle;
- The full bags will be transported to a local disposal site,
- The area from which the material was removed will be cleaned using HEPA vacuums.

The Demolition of Delimara 1 Power Station

PLAN OF WORKS, GENERAL METHOD STATEMENT, & RISK ASSESSMENT

FOR THE

The Removal of Hazardous Materials

Plan of Work for the Removal of Calcium Silicate

The Demolition of Delimara 1 Power Station

The Removal of Hazardous Materials,

Plans of Work, General Method Statement, & Risk Assessments

Plan of Work for Removal of Calcium Silicate

1. Introduction

At various points in the plant there are quantities of Calcium Silicate, (EWC: 060314). This material is non- hazardous. It must however be treated with care and disposed of accordingly.

2. Method of Disposal

For the disposal of the calcium silicate the following procedure will be adopted:

- The operatives involved will be required to wear appropriate PPE including half face masks;;
- The material will be sprayed with PVA glue solution;
- The material will be placed manually in approved big bags which have been placed on euro pallets;
- Full bags will be placed in the PTM approved vehicle;
- The full bags will be transported to a local disposal site,
- The area from which the material was removed will be cleaned using HEPA vacuums.

The Demolition of Delimara 1 Power Station

PLAN OF WORKS, GENERAL METHOD STATEMENT, & RISK ASSESSMENT

FOR THE

The Removal of Hazardous Materials

Plan of Work for the Removal of Waste Electrical and Electronic Equipment (WEEE)

The Demolition of Delimara 1 Power Station

The Removal of Hazardous Materials,

Plans of Work, General Method Statement, & Risk Assessments

Plan of Work for Removal of Waste Electrical and Electronic Equipment (WEEE)

1. Introduction

At various points in the plant there are quantities of WEEE, (EWC: 160213*). This material is inherently hazardous, requires appropriate handling and it therefore must be treated as hazardous and handled and disposed of accordingly.

2. Method of Disposal

For the disposal of WEEE the following procedure will be adopted;

- All locations containing WEEE will be identified;
- All electrical services to any of the equipment will be isolated and this will be confirmed by the issue of a “permit to work” by the client’s Health & Safety Inspector;
- ONLY IF SUSPECT RADIATION HAZARDS EXIST – NONE IDENTIFIED THUS FAR - The areas where the equipment is located will be checked for the presence of any radiation. These checks will be conducted by a person authorised by the OHSA to carry out such checks. In this case, Mr. Aldo Busuttill will conduct the tests;
- ONLY IF SUSPECT PCBs HAZARDS EXIST - NONE IDENTIFIED THUS FAR - Oils will be sampled and analysed for the presence of PCB’s by a suitably qualified analytical chemist. In this case, Dr. R. Cortis will conduct this work. Dr. Cortis is fully authorised by the ERA for this work;
- ONLY IF SUSPECT ACM HAZARDS EXIST – NONE IDENTIFIED THUS FAR - Suspect materials will be sampled and analysed for the presence of asbestos fibres by a suitably qualified analytical chemist. In this case, Dr. R. Cortis will conduct this work. Dr. Cortis is fully authorised by the ERA for this work;
- All WEEE will be removed from site and stored in the waste marshalling area on site until sufficient volumes are generated (truck loads or container loads) for their transportation off site;
- All loads will be weighed;

All wastes generated from the above activity shall be separated according to the different waste streams as per EWC codes as defined in Commission Decision 2000/532 /EC and disposed of at sites permitted by ERA or equivalent facilities abroad permitted to accept such wastes. Should local facilities not be permitted to accept the identified waste, this shall be exported utilising the applicable export procedures as defined by the applicable legislation.

The table below provides information about all waste materials resulting from the above activity:

Type of waste	EWC code	Waste Broker/Carrier GBR number	TFS/CP number (if applicable)	Disposal facility permit number
Discarded equipment containing hazardous components other than those in 160209*, 160212*	160213*	GBR0699/09, GBR35/13	CP 11008	EP009/10
Fluorescent tubes and other mercury containing waste	200121*	GBR0699/09, GBR35/13	CP 11010	EP009/10
Waste Containing Oil	160708*	GBR0699/09	MT17/000026	057-06/AAI/CV

The Demolition of Delimara 1 Power Station

PLANS OF WORK, GENERAL METHOD STATEMENT, & RISK ASSESSMENTS

FOR THE

The Removal of Hazardous Materials

General Method Statement

CONTENTS

1.0	PROJECT SUMMARY
1.1	Project Title & Job No.
1.2	Full Site Address
1.3	Location of Works
1.4	Survey Details
1.5	Client & Contact
1.6	Enforcing Authority
1.7	If Work is Subject to CDM
1.8	Plan of work prepared by
1.9a	Analysts and Contact
1.9b	Analysts appointed by
1.10	Logistics
1.11	Senior Personnel
1.12	Emergency Contact Numbers
1.13	Client Emergency Contact
1.14	Nearest Hospital with A&E Dept
1.15	Other Project Specific Information
2.0	SCOPE OF WORKS INVOLVED IN THIS CONTRACT
2.1	Anticipated Exposure Levels and Respiratory Protective Equipment
3.0	TASK-SPECIFIC INFORMATION
3.1	ITEM NO. AND DETAILS
	Removal of Hazardous Materials
3.1.1	Hazardous Materials Present
3.1.2	Condition of Materials
3.1.3	Surface Characteristics (affects the means used to wet the material)
3.1.4	Quantity Involved
3.1.5	Persons Potentially Exposed to Dust
3.1.6	Air Monitoring Strategy
3.1.7	Control Measures for Dust
3.1.8	Equipment Schedule: Fibre Suppression & Control Equipment
3.1.9	Material Schedule: Fibre Suppression, Resealing and Encapsulation
3.1.10	Identification of Other Workplace Hazards
3.1.11	Equipment Schedule: Access Equipment
3.1.12	Risks from Activities in the Premises
4.0	VERIFICATION OF METHOD STATEMENT
	APPENDIX 1: AMENDMENTS SHEET
	APPENDIX 2: STATUTORY REGULATIONS

1.0 PROJECT SUMMARY

1.1 Project Title & Job No.	Removal of hazardous material from Delimara 1 Power Station					
	Job No:			1062/2017		
1.2 Full Site Address	Enemalta plc, Delimara Power Station 1, (DPS1)					
1.3 Location of Works <i>For detailed info refer to Section 2</i>	Demolition areas of DPS 1					
1.4 Survey Details <i>If known</i>	Carried out by: Ing. Oliver Fenech					
	Type 1		Type 2	✓	Type 3	
1.5 Client & Contact	General Smontaggi S.p.A.					
1.6 Sub Contractor	Dr. Robert Cortis: +356 79069621					
1.7 If Work is Subject to CDM	Name of Planning Supervisor: Ing. Oliver Fenech Name of Principal Contractor:					
1.8 Plan of work prepared by	Name	Ing. Oliver Fenech				
	Position	General Manager				
	Date	20/02/17				
1.9a Analyst	Dr. Robert Cortis					
1.9b Analyst appointed by	PT Matic					
1.10 Logistics	Estimated start date:		September 2017			
	Estimated total duration:		6 no Weeks			
	Working days/hours:		0800 – 1800/ 7 days per week			
	No. of operatives:		3 operatives			
1.11 Senior Personnel	General Manager:	Ing Oliver Fenech			Tel: 9977 2070	
	Operations Manager	Mr. Brian Pace			Tel: 9913 3907	
	Site Supervisor:	Mr Paul Micallef			Tel: 9982 2852	

1.12 Emergency Contact Numbers	
Name: Ing. Oliver Fenech Position: General Manager	Tel: 25490468 Fax: 21484077 Mobile: 9977 2070
Name: Mr G Barbaro Sant Position: Managing Director	Tel: 21440420 Fax: 21484077 Mobile: 9947 1749
1.13 Client Emergency Contact	Tel: 21484358 Fax: 21484077 Mobile: 9977 2070
1.14 Nearest Hospital with A&E Dept	Hospital: Mater Dei
1.15 Other Project Specific Information	<ul style="list-style-type: none"> • All electrical services to be isolated prior to works commencing. • PTM to supply plant, equipment, tools, consumables, 1 no 40' container and the transport to Disposal site. • 1 man for independent monitoring and 1 man for overall supervision to be supplied • Disposal of H M's to licensed sites in the EU. • Liaise with and approvals from the relevant competent authorities. • Client to provide power, water and connections to mains drainage

2.0 SCOPE OF WORKS INVOLVED IN THIS CONTRACT

Item No.	Details of Work to be Undertaken, Quantity, Location, Duration	Applicable Standard Procedures (SP)
<i>ALL SITES</i>		<i>SP01 to SP10 inc.</i>
01	<p>Removal of various hazardous materials from DPS 1 demolition areas</p> <p>Materials to be removed with minimum disruption, a dust suppressant is to be sprayed to material to further minimise any dust.</p> <p>Upon completion of removal works to each area an environmental clean.</p> <p>All waste to be double wrapped in 1000-gauge polythene, then loaded into appropriate containers for disposal within a licensed landfill site in the EU.</p>	

2.1 Anticipated Exposure Levels and Respiratory Protective Equipment

The anticipated fibre levels during the works are as detailed within the table below. All operatives on site will be under medical surveillance and will wear protective clothing and respirators as indicated:

Task	Anticipated Dust Levels	RPE *	Task	Anticipated Fibre Levels	RPE *
Pre-cleaning works	<0.02	HM			
Dust suppression of hazardous materials	<0.02	HM			
Removal of hazardous materials	<0.02	HM			
* Respirator (RPE) to be used (0 = None, HM = Half Mask, FM = Full Mask, BA = Self-contained breathing apparatus/fixed air line)					

3.0 TASK-SPECIFIC INFORMATION

3.1 <i>From Section 2</i>	01	Removal of Hazardous Materials - ACM NOT PRESENT
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3.1.1 Asbestos Present

Asbestos Insulation Board		Asbestos Cement		Asbestos Insulation		Sprayed Coating	
Debris		Textured Coating		Gasket		Other (please specify)	

Chrysotile		OR Assumed NOT Chrysotile Alone	
Amosite			
Crocidolite			

3.1.2 Condition of Materials

Good		Fair	✓	Poor	
------	--	------	---	------	--

3.1.3 Surface Characteristics (affects the means used to wet the material)

Porous (e.g. unsealed sprayed coating)		Non-Porous (e.g. sealed insulating board)	
--	--	---	--

3.1.4 Quantity Involved

1 X 40' containers		Linear metres
--------------------	--	---------------

3.1.5 Persons Potentially Exposed to Hazardous Dust

Number of workers	3
If premises still in use, approx. number of people nearby	

3.1.6 Air Monitoring Strategy – Fly Ash Only

4-Stage Clearance		Interim Clearance	
Backgrounds/Leaks	✓	Personal (RPE compliance testing)	✓
Reassurance	✓		

3.1.7 Control Measures for Hazardous Dust

Pre-Clean (see section SP09)	✓
Fibre Suppression - Spraying	✓

3.1.8 Equipment Schedule: Fibre Suppression & Control Equipment

TYPE	REQ'D	No.
Vacuum units (large)		
Vacuum units (medium)		
Killspray	✓	2

3.1.9 Material Schedule: Dust Suppression, Resealing and Encapsulation

ACTIVITY	REQ'D	WHAT TO USE
Fibre Suppressant	✓	Single Point
Other (please specify)		

3.1.10 Identification of Other Workplace Hazards

Hazardous Substances (e.g. spray adhesive, filler, suppressant, paints)	✓
Access/Egress/Safe Place of Work	✓
Demolition Area	

3.1.11 Equipment Schedule: Access Equipment

TYPE	REQ/D	No.	Height
Stepladders			
Alloy Tower Scaffolds			
"Cherry Pickers"			
Scissor Lifts			

3.1.12 Risks from Activities in the Premises

RISK	Precautions to be taken and safety measures to be adopted
HEIGHTS	USE OF CHERRY PICKERS AND SCAFFOLDS AS APPROPRIATE

4.0 VERIFICATION OF METHOD STATEMENT

Plan of Work

Approved By

Name	Signature	ID Number
Ing Oliver Fench		464982M
Mr Brian Grech		0170072M

Position: General Manager
 Date 05-July-2017
 Issue No. 1

We have read and fully understand the Plan of Work and this has been explained to the site operatives. Any amendments to the plan of work will be agreed with the contracts manager and documented in the Plan of Work.

Supervisor:

Name	Signature	ID Number
Paul Micallef		536364M

Operatives

Name	Signature	ID Number
Randell Fellonia		102069A
Raymond Azzopardi		0048362M
Reiner Xuereb		0374387M

APPENDIX 1: AMENDMENTS SHEET

No.	DATE	TASK No.	AMENDMENT	REASON	AUTHORISED BY		POSITION
					NAME	SIGNATURE	
01							
02							
03							
04							
05							
06							
07							
08							

No amendments are to be made or departures from the agreed Plan of Work are permitted unless authorised above by the Site Supervisor or Contracts Manager.

APPENDIX 2: STATUTORY REGULATIONS

All work on site will be carried out in line with all relevant Regulations and Codes of Practice including:

- Occupational Health and Safety Authority Act XXVII of 2,000 (CAP424)
- Environment Protection Act, 2001 (Act No. XX of 2001)
- LN 228 of 2001
- LN 281 of 2004

The Demolition of Delimara 1 Power Station

Risk Assessments

for

**The Removal of Hazardous Materials
from Delimara 1 Power Station, (DPS 1)**

The Risk Assessment for the above tender follows and is built on the following procedure :

Identify the area of assessment. List the tasks on the Summary sheet. Plan target dates for assessment.

Is the task unique to this area or does apply to all, or several, areas (generic). Allocate generic tasks to nominated assessors to avoid duplication.

For each task :

Identify the hazards. Identify the people at risk (groups, numbers, special needs)

Establish the existing control measures relating to each hazard. Obtain any supporting information, e.g. inspection sheets, test records, training records, other assessment records (Manual Handling, COSHH etc), Safe Working Practices.

Decide, at this stage, whether a more detailed assessment needs to be done for a specific hazard e. g noise, COSHH, Manual Handling, and record this as a recommendation.

Evaluate the risk (from likelihood and severity, number of people exposed and control measures in place.)

Decide suitable control measures to remove or reduce risk (use hierarchy). Discuss proposed control measures with the Supervisor, Safety Representative and employee to ensure they are practical and will control the hazard.

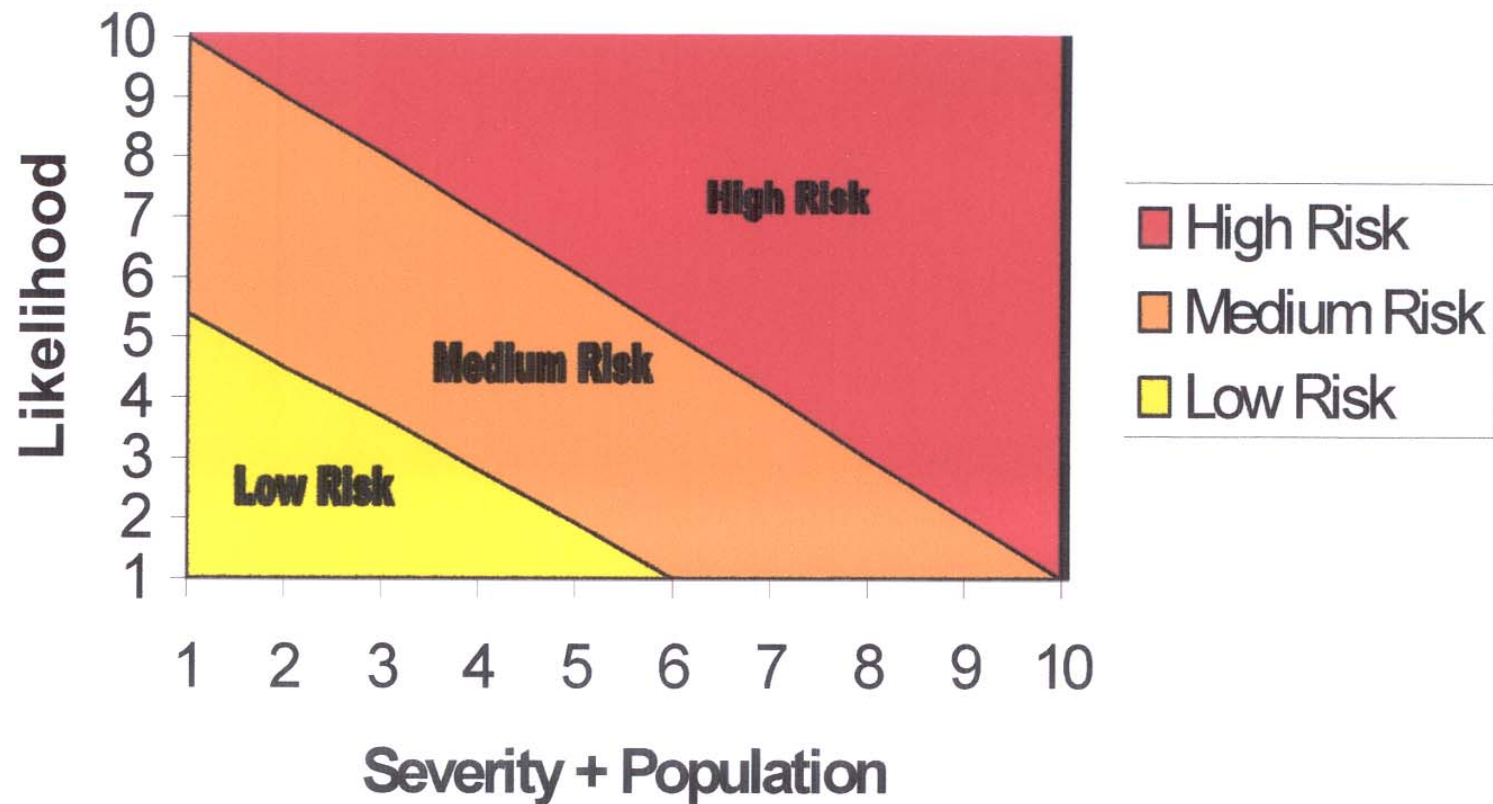
Make recommendations of additional control measures to further reduce risk.

Provide sufficient detail with the recommendations to clearly indicate what is required, giving rough estimates of cost if possible.

Record each task assessment on a separate sheet: sign and date all records, keep on file, arrange date for review.

Identify all tasks to be assessed	Identify how tasks are done	Health and Safety Hazards	Control Measures
<p>Identify boundaries of area under assessment. Include any off-site' locations</p> <p>Agree with tasks to be assessed. Using number for each.</p> <p>List all tasks to be assessed. Using unique logical reference number for each.</p> <p>Break larger jobs down into manageable tasks</p> <p>Ensure all jobs are covered, e.g. those done twice a year, routine out of normal hours, if machine fails, in an emergency etc.</p> <p>Include any cleaning (end of shift or 'clean as you go') tasks or any repair work carried out:</p> <p>Who disposes of waste ?</p> <p>Include any off- site work – driving, delivery, work on customer's premises.</p> <p>Re-check final list with Manager / Supervisor</p>	<p>Involve employee and Supervisor, question any differences. Is it a generic task?</p> <p>Progress logically through task, ask for demonstration.</p> <p>Note details of machinery, tools, substances used. Is there a written Operating Procedure?</p> <p>How many people carry out this task? How often is it done? How long does it last on each occasion. When is it done (normal hours, weekends, night, day, rush hour)?</p> <p>Are there any restrictions on operators ? Skills/ qualifications required? Authorisation required? Restrictions on when done, or for how long?</p>	<p>Machinery – Moving parts, sharp edges, stored energy (movement after power disconnected)</p> <p>Electricity – Electric shock, burns fires, secondary accidents (through being startled – e.g. falls from ladders)</p> <p>Chemicals – Toxic, corrosive, harmful: flammable; skin or eye contact with chemical, inhaling vapour/dust, swallowing. (Has a COSHH assessment been carried out?)</p> <p>Handling - Manually handling loads, stacking, loading, rapid repeated hand/arm movements. Have Manual Handling assessments been done?</p> <p>Vehicles - Fork lifts, Cranes, mobile platforms.</p> <p>Working at height – Falls, integrity of scaffolds/ ladders, falling objects, windy/wet conditions.</p> <p>Confined Spaces – toxic or suffocating gases, inrush of liquid or solid, temperature/humidity, availability of assistance, retrieving injured person.</p> <p>Welding – Fumes, burns, 'arc eye', fire, explosion.</p> <p>Public Places – Violence, distraction, interference with equipment, dogs, disregard of signs.</p> <p>Underfoot Conditions – Slippery or damaged floors, obstacles or protruding items, other trip hazards, e.g. trailing cables, edges of mats. Deep steps, steep slopes.</p> <p>Lighting – Poorly lit areas, e.g. stairs, yards, stores. Poor lighting maintenance/repair service, rapid changes in lighting levels for truck drivers, bright lighting obscuring vision.</p> <p>Temperature – Effects of temperature extremes.</p> <p>Ventilation – preventing build up of fumes/ gases, condensation.</p> <p>Noise - do people have to communicate in raised voices ? Are any machines / tools particularly noisy? Have noise surveys been done?</p> <p>Vulnerable Persons – special needs catered for? e. g pregnant women, young persons, disabled persons.</p>	<p>Elimination – does the task have to be done? Can it be contracted out?</p> <p>Substitution – can a safer method/ substance be used?</p> <p>Enclosure/Isolation/Extraction – can hazard be screened off, guard/trip/alarm fitted? Can persons be separated from hazard or reduce duration exposure? (job rotation) Is extraction of flushing required to remove harmful agents?</p> <p>Personal Protection – always as a last resort.</p> <p>What type is needed? What grade is needed? Assess with advice from suppliers.</p> <p>Training – is special training required. Do signs need to be posted?</p> <p>Other Considerations : Welfare facilities, First Aid facilities</p> <p>Emergency Procedures</p> <p>Is a more detailed assessment required ?</p> <p>e.g. COSHH, Noise</p>

Likelihood of Incident Occurring (L)			Severity of Incident (S)		
Score	Example Time-scales		Score	Example Injuries	
10	Inevitable	Every shift	10	Multiple Fatalities	Fatalities
9	Almost Certain	Once a week	9	Permanent/total incapacity/fatality	Brain damage/disability
8	Very probable	Twice a month	8	Permanent, severe incapacity	Loss of limb or eye/part disability
7	Probable	Once a month	7	Permanent slight incapacity	Permanent limp/back injury
6	More than even chance	Once a quarter	6	Off work for more than 3 weeks with subsequent recurring incapacity	Limp/repetitive strain injuries
5	Even chance	Twice a year	5	Off work for more than 3 weeks with subsequent complete recovery	Broken bone/trap injuries/respiratory problems
4	Less than even chance	Once a year	4	Off work more than 3 days, less than 3 weeks with subsequent complete recovery	Head injuries/concussion/sprains/pulled muscles/serious burns/dermatitis/eye contamination
3	Improbable	Once in two years	3	Off work for less than 3 days with complete recovery	Minor burns/stitches/ exposure to fumes/foreign bodies in eyes/skin
2	Very improbable	Once in five years	2	Minor injury. no lost time	Bruises/small cuts, blisters/grazes/bumps
1	Almost impossible	Once in ten years	1	No significant injury	Very minor cut/graze



Plot value of Severity + population from assessment against value of Likelihood from assessment.

The point of intersection of these two values gives the risk level

Employer: PT Matic		Site: DPS 1	
Assessor Name:		Assessment Serial Number: AL/GSS	
Is more Assessment needed: No		Assessment Date: 20th February 2017	
		Related Risk Assessments: all DPS	
1. Activity/Process Being Assessed		2. Regulations/Codes/Guidance	
General Site Safety		LN 323 of 2006 LN 281 of 2004	
3. Significant Hazards:		4. People at Risk	
1. Dangerous site due to: Loose overhead materials in all areas; Loose materials over all floors; Very wet and slippery floors; Hazardous Materials in all areas;		Operatives Other workers close to dismantling site	
		5. Frequency and Duration of Exposure to the Risk	
		8 hours per day of work including breaks	
6. Control Measures:			
1. Strict application of Site Code with dismissal for any transgressions; 2. Strict application of all H M precautions; 3. Continuous monitoring of fly ash operations; 4. Strict Security on site; 5. Use of PPE at all times; 6. Rigorous control of site access; 7. Briefing and Training of all staff.			
7. Risk Rating with Precautions: Med./high		Likelihood: 6 Severity + Pop. 5	
8. Management Action:		9. Priority For Action (Date)	
1. Preparation and Strict enforcement of Site code.		Immediate	
10. Assessor's Signature:		11. Next Formal Review Date:	
		December 2017	

Employer: PT Matic		Site: DPS 1	
Assessor Name:		Assessment Serial Number: AL/MH	
Is more Assessment needed: No		Assessment Date: 20th February 2017	
		Related Risk Assessments: Slips, Trips & Falls	
1. Activity/Process Being Assessed		2. Regulations/Codes/Guidance	
Manual Handling on Site		LN 323 of 2006 LN 281 of 2004	
3. Significant Hazards:		4. People at Risk	
1. Back strain, slipped disc 2. Hernias 3. Lacerations, crushing of hands or fingers 4. Tenosynovitis 5. Bruised or broken toes or feet 6. Various sprains, strains etc.		Operatives	
		5. Frequency and Duration of Exposure to the Risk	
		8 hours per day of work including breaks	
6. Control Measures:			
1. Ensure materials are handled as far as possible by machine 2. Sufficient labour to be made available for awkward or heavy loads 3. All operatives to receive manual handling training 4. Safety footwear to be worn at all times 5. Suitable gloves to be worn when handling sharp/abrasive loads			
7. Risk Rating with Precautions: Med.		Likelihood: 5 Severity + Pop. 3	
8. Management Action:		9. Priority For Action (Date)	
1. Task, load, working environment and the individuals' capabilities to be assessed prior to manual handling operations. 2. Supervision to ensure that precautions are taken and control measures followed 3. Audit accident statistics to see if any trends exist on specific regular tasks		Immediate	
10. Assessor's Signature:		11. Next Formal Review Date:	
		December 2017	

Employer: PT Matic		Site: DPS 1	
Assessor Name:		Assessment Serial Number: AL/cs	
Is more Assessment needed: No		Assessment Date: 20th February 2017	
		Related Risk Assessments:	
1. Activity/Process Being Assessed		2. Regulations/Codes/Guidance	
Entry into Confined Spaces		LN 281 of 2004	
3. Significant Hazards:		4. People at Risk	
1. Asphyxiation due to oxygen depletion 2. Poisoning by toxic substances or fumes 3. Explosions due to gases, fumes, dust 4. Fire due to flammable liquids, oxygen enrichment 5. Electrocution from unsuitable equipment 6. Fumes from plant or processes entering confined spaces		Operatives	
		5. Frequency and Duration of Exposure to the Risk	
		Permit to work to specify	
6. Control Measures:			
1. Determine if entry is really necessary 2. Test atmosphere – probable / possible 3. Permit to work system to be enforced 4. Supply all necessary PPE/RPE for operatives and rescue teams 5. Emergency procedures to be devised 6. Full training to be given to supervisor			
7. Risk Rating with Precautions: Low		Likelihood: 2 Severity + Pop. 2	
8. Management Action:		9. Priority For Action (Date)	
1. Draw up Health & Safety method statement 2. Obtain and cascade information to all parties on ventilation equipment, breathing apparatus, ropes, harnesses and monitoring equipment/ 3. Supervision to ensure that precautions are taken and method statement followed		Immediate	
10. Assessor's Signature:		11. Next Formal Review Date:	
		December 2017	

Continuation/Site Specific Information (Assessment Serial Number: AL/cs)

Continued From Item Number	Overleaf:
Signed:	Date:
Continued From Item Number	Overleaf:
Signed:	Date:
Supplementary Note No. 1	
Signed:	
Date:	
Supplementary Note No. 1	
Signed:	
Date:	

Employer: PT Matic		Site DPS 1	
Assessor Name:		Assessment Serial Number: AL/UL	
Is more Assessment needed: No		Assessment Date: 20th February 2017	
		Related Risk Assessments: Manual Handling, Slips, Trips & Falls	
1. Activity/Process Being Assessed		2. Regulations/Codes/Guidance	
Use of Ladders		LN 281 of 2004	
3. Significant Hazards:		4. People at Risk	
1. Falls of Persons 2. Not securing ladder properly 3. Unsafe use of ladder e. g. over reaching 4. Using ladder with defect 5. Unsuitable base for ladder 6. Insufficient handhold at top of ladder or stepping off position. 7. Insufficient foothold at each rung 8. Using ladders near overhead electrical cables etc. 9. Ladder at unsuitable angle. 10. Insufficient overhang of extension ladders 11. Objects dropped by ladder user.		Operatives and third parties	
		5. Frequency and Duration of Exposure to the Risk	
		Infrequent	
6. Control Measures:			
1. Operatives trained in safe use 2. Ladders inspected before use 3. Ladders footed by second operative where required. 4. Ladders fitted with slip feet 5. Area around ladder to be segregated by suitable barriers. 6. Strict enforcement of site code			
7. Risk Rating with Precautions: Med.		Likelihood: 4 Severity + Pop. 5	
8. Management Action:		9. Priority For Action (Date)	
1. Ladders to be periodically examined and records kept. 2. Examine accident/near miss books for significant trends.		Immediate	
10. Assessor's Signature:		11. Next Formal Review Date:	
		December 2017	

Continuation/Site Specific Information (Assessment Serial Number: AL/UL)

Continued From Item Number	Overleaf:
Signed:	Date:
Continued From Item Number	Overleaf:
Signed:	Date:
Supplementary Note No. 1	
Signed:	
Date:	
Supplementary Note No. 1	
Signed:	
Date:	

Employer: PT Matic		Site DPS 1	
Assessor Name:		Assessment Serial Number: AL/ED	
Is more Assessment needed: No		Assessment Date: 20th February 2017	
		Related Risk Assessments: Separate COSHH assessments for dust	
1. Activity/Process Being Assessed		2. Regulations/Codes/Guidance	
Use of Electric Drills		LN 281 of 2004	
3. Significant Hazards:		4. People at Risk	
1. Electrocution 2. Plant failure /drill bit 3. Dust – see COSHH assessments		Operatives	
		5. Frequency and Duration of Exposure to the Risk Infrequent	
6. Control Measures:			
1. Visual inspection of plant. 2. Locate any services which may be present in working area 3. Eye protection to be worn, (To approved standards for impact). 4. Plant to be 110 v or battery operated 5. Face mask (at least FFP2 standard) to be worn for excessive drilling			
7. Risk Rating with Precautions: Low/Med.		Likelihood: 3 Severity + Pop 3	
8. Management Action:		9. Priority For Action (Date)	
1. All equipment to be portable appliance tested and maintenance documents kept. 2. Use 110 v appliances only		Immediate	
10. Assessor's Signature:		11. Next Formal Review Date:	
		December 2017	

Continuation/Site Specific Information (Assessment Serial Number: AL/ED)

Continued From Item Number	Overleaf:
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Supplementary Note No. 1	
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Date:	
Supplementary Note No. 1	
Signed:	
Date:	

Employer: PT Matic		Site: DPS 1	
Assessor Name:		Assessment Serial Number: AL/TS	
Is more Assessment needed: No		Assessment Date: 20th February 2017	
		Related Risk Assessments: Manual Handling, Slips, Trips and Falls	
1. Activity/Process Being Assessed		2. Regulations/Codes/Guidance	
Erection, Use, Dismantling of Tower Scaffolds		LN 281 of 2004	
3. Significant Hazards:		4. People at Risk	
1. Falls of persons 2. Falls of materials 3. Collapse of Tower 4. Overturning of tower		Operatives	
		5. Frequency and Duration of Exposure to the Risk	
		8 hours per day of work incl. breaks	
6. Control Measures:			
1. Height must be relative to effective base dimensions i. e. 3½times base width internally, 3 times used externally, unless tied to structure 2. Outriggers or stabilisers must be extended where applicable. 3. Tower must not be used or moved on sloping, uneven or obstructed surfaces 4. Tower must be vertical 5. Floor must be free of openings, ducts, steps etc. 6. No person to remain on platform whilst being moved 7. Materials and tools to be removed from or secured on platform 8. Overhead obstructions must be noted (e. g. overhead electricity cables) 9. Bracing members must be fitted 10. Wheels must be locked when platform in use 11. Tower must not be used in adverse weather 12. Safe working load of platform must not be exceeded			
7. Risk Rating with Precautions: Med/High		Likelihood: 6 Severity + Pop 6	
8. Management Action:		9. Priority For Action	
1. When mobile tower scaffolds are not in use measures must be taken to ensure that no others can reach or climb scaffolds 2. All operatives erecting, altering, dismantling, or working around the base must wear safety helmets 3. Supervision to ensure that precautions are taken and method statement followed.		Immediate	
10. Assessor's Signature:		11. Next Formal Review Date:	
		December 2017	

Continuation/Site Specific Information (Assessment Serial Number: AL/TS)

Continued From Item Number	Overleaf:
Signed:	Date:
Continued From Item Number	Overleaf:
Signed:	Date:
Supplementary Note No. 1	
Signed:	Date:
Supplementary Note No. 1	
Signed:	Date:

Employer: PT Matic		Site: DPS 1	
Assessor Name:		Assessment Serial Number: AL/NS	
Is more Assessment needed: No		Assessment Date: 20th February 2017	
		Related Risk Assessments:	
1. Activity/Process Being Assessed		2. Regulations/Codes/Guidance	
Noise on Site		LN 281 of 2004	
3. Significant Hazards:		4. People at Risk	
1. Affect concentration and efficiency 2. Prevents ear from registering other sounds, instructions, warnings 3. Short exposure can result in temporary hearing loss 4. Regular exposure to excess noise causes damage to the inner ear and to permanent loss of hearing. 5. Causes fatigue and accident proneness 6. Causes annoyance and irritation		Operatives and third parties	
		5. Frequency and Duration of Exposure to the Risk	
		Infrequent	
6. Control Measures:			
1. Reduce noise level to the lowest possible 2. Devise noise control programme 3. Issue ear protection if asked 4. Provide, maintain and <u>ensure</u> use of ear protection 5. Conduct noise surveys at regular intervals			
7. Risk Rating with Precautions: Low		Likelihood: 3 Severity + Pop 5	
8. Management Action:		9. Priority For Action (Date)	
1. control exposure by means of; <ul style="list-style-type: none"> • engineering control methods • job rotation • Providing an acoustic refuge • Re-arranging work locations 		Immediate	
10. Assessor's Signature:		11. Next Formal Review Date:	
		December 2017	

Employer: PT Matic		Site: DPS 1	
Assessor Name:		Assessment Serial Number: AL/MEWP	
Is more Assessment needed: No		Assessment Date: 20th February 2017	
		Related Risk Assessments: Use of Ladders & Scaffolds	
1. Activity/Process Being Assessed		2. Regulations/Codes/Guidance	
Use of Mobile Elevating Work Platforms (e.g. scissor lifts, cherry pickers etc.)		LN 281 of 2004	
3. Significant Hazards:		4. People at Risk	
1. Falls of materials or persons from the platform 2. Trapping in the mechanism or structure between the platform and a fixed obstruction 3. Overturning due to uneven ground, incorrect loading, wind etc. 4. Collision when moving or in use 5. Mechanical failure 6. Accidental or incompetent use of controls 7. Power failure or breakdown resulting in persons being stranded at high level 8. Contact with overhead services particularly electrical 9. Persons struck by mobile elevating platforms 10. Use on public roads or at night		Operatives & Third parties	
		5. Frequency and Duration of Exposure to the Risk	
		Infrequent	
6. Control Measures:			
1. That the site is checked to ensure that the mobile elevating work platform can be used safely e. g. a firm level base, no holes or steps, no overhead services. 2. The maximum loads to be carried on the platform are within the safe working load limits. 3. That the mobile elevating work platform to be supplied complies with statutory and recommended standards. 4. That requisite inspection and maintenance procedures have been adopted and are recorded, and a current six months certificate is available on site. 5. The operators and supervisors are properly trained. 6. That adequate protection is provided for the public and others who may be affected.			
7. Risk Rating with Precautions: Med/High.		Likelihood: 6 Severity + Pop. 5	
8. Management Action:		9. Priority For Action	
1. Draw up Health & Safety method statement 2. Supervision to ensure that precautions are taken and method statement followed. 3. Cascade information to all parties in work area		Immediate	
10. Assessor's Signature:		11. Next Formal Review Date:	
		December 2017	

Employer: PT Matic		Site: DPS 1	
Assessor Name:		Assessment Serial Number: AL/HUTM	
Is more Assessment needed: No		Assessment Date: 20th February 2017	
		Related Risk Assessments: Slips , Trips & Falls	
1. Activity/Process Being Assessed		2. Regulations/Codes/Guidance	
Working at Heights under Two Metres		LN 281 of 2004	
3. Significant Hazards:		4. People at Risk	
1. Falls from plant/access equipment 2. Unstable base e. g. unlevelled , loose materials etc, 3. Unsafe use of equipment 4. Overloading 5. Use of equipment where safer methods should be provided 6. Overhang of boards or staging at support (trap ends) 7. Use of defective equipment.		Operatives & Thirds Parties	
		5. Frequency and Duration of Exposure to the Risk	
		8 hours per day of work incl. breaks	
6. Control Measures:			
1. Ensure access equipment chosen has taken into account the task and working environment. 2. Familiarisation training by operatives on the different types of access equipment 3. Ensure visual checks of equipment before each use			
7. Risk Rating with Precautions: Low		Likelihood: 3 Severity + Pop 3	
8. Management Action:		9. Priority For Action (Date)	
1. Include in general tool box talks 2. Access equipment to be periodically examined and records kept. 3. Supervision to ensure that precautions are taken and method statement followed.		Immediate	
10. Assessor's Signature:		11. Next Formal Review Date:	
		December 2017	

Continuation/Site Specific Information (Assessment Serial Number: AL/HUTM)

<p>Continued From Item Number</p> <p style="text-align: center;">Signed:</p>	<p>Overleaf:</p> <p style="text-align: center;">Date:</p>
<p>Continued From Item Number</p> <p style="text-align: center;">Signed:</p>	<p>Overleaf:</p> <p style="text-align: center;">Date:</p>
<p>Supplementary Note No. 1</p> <p style="text-align: center;">Signed:</p>	
<p>Supplementary Note No. 1</p> <p style="text-align: center;">Signed:</p>	

Employer: PT Matic		Site: DPS 1	
Assessor Name:		Assessment Serial Number: AL/STF	
Is more Assessment needed: No		Assessment Date: 20th February 2017	
		Related Risk Assessments: Manual Handling	
1. Activity/Process Being Assessed		2. Regulations/Codes/Guidance	
Slips, Trips and Falls		LN 281 of 2004	
3. Significant Hazards:		4. People at Risk	
1. Uneven floors/surfaces 2. Bad housekeeping /obstructed routes 3. Liquid spillages 4. Inclement weather 5. Wet and slippery surfaces throughout the working areas		Operatives and third parties	
		5. Frequency and Duration of Exposure to the Risk	
		Infrequent	
6. Control Measures:			
1. Ensure that work area is kept reasonably tidy 2. Materials are stored properly 3. Waste and litter are disposed of properly 4. Arrangements are made to take into account the effects of inclement weather on the working environment. 5. Safety boots at all times			
7. Risk Rating with Precautions: Med/High		Likelihood: 3 Severity + Pop 5	
8. Management Action:		9. Priority For Action (Date)	
1. Include in general tool box talks 2. Ensure through management/ procedures that general housekeeping and site conditions are adequately controlled 3. Include in site manual		Immediate	
10. Assessor's Signature:		11. Next Formal Review Date:	
		December 2017	

Employer: PT Matic		Site: DPS 1	
Assessor Name:		Assessment Serial Number: AL/LV	
Is more Assessment needed: No		Assessment Date: 20th February 2017	
		Related Risk Assessments: Reversing of Vehicles, Slips, Trips & Falls	
1. Activity/Process Being Assessed		2. Regulations/Codes/Guidance	
Loading of Vehicles		LN 281 of 2004	
3. Significant Hazards:		4. People at Risk	
1. Falling from load/vehicle 2. Injuries from incorrect manual handling. 3. Insecure load from insecure constraint methods 4. Personal harm/damage from hazardous loads/substances 5. Unsuitable vehicle loading area 6. Exceeding plated gross vehicle weight 7. Pedestrian contact with mechanical loading aids		Operatives & Third Parties	
		5. Frequency and Duration of Exposure to the Risk	
		Infrequent	
6. Control Measures:			
1. Ensure all operatives are fully trained/familiarised in manual handling methods 2. Suitable, safe and segregated loading area 3. Safe access and egress to and from vehicle/load 4. Correct choice of vehicle for load			
7. Risk Rating with Precautions: Med.		Likelihood: 5 Severity + Pop 5	
8. Management Action:		9. Priority For Action (Date)	
1. safe system of work to be devised 2. Daily vehicle/ equipment inspection 3. Supervision to ensure that precautions are taken and control measures followed.		Immediate	
10. Assessor's Signature:		11. Next Formal Review Date:	
		December 2017	

Employer: PT Matic		Site: DPS 1	
Assessor Name:		Assessment Serial Number: AL/RV	
Is more Assessment needed: No		Assessment Date: 20th February 2017	
		Related Risk Assessments: Loading of Vehicles, Slips, Trips & Falls	
1. Activity/Process Being Assessed		2. Regulations/Codes/Guidance	
Reversing of Vehicles		LN 281 of 2004	
3. Significant Hazards:		4. People at Risk	
1. Injury to Pedestrians (employees and non-employees)		Operatives & Third Parties	
2. Damage to other vehicles		5. Frequency and Duration of Exposure to the Risk Infrequent	
3. Damage to load			
4. Damage to buildings/structures			
6. Control Measures:			
1. Eliminate reversing of vehicles whenever possible 2. Ensure reversing manoeuvres are kept to a minimum 3. Ensure drivers are competent and familiarised to drive chosen vehicle 4. Introduce traffic management to operating site. e. g. reversing bays, segregated routes for traffic and pedestrians, signage, banksman 5. Ensure vehicles are fitted with reversing aids, (lights, audible tones, mirrors) 6. Strict allocation of loading areas and positioning of containers			
7. Risk Rating with Precautions: Med.		Likelihood: 5 Severity + Pop 5	
8. Management Action:		9. Priority For Action (Date)	
1. Devise safe working procedure 2. Ensure co-operation when visiting third party sites 3. Supervision to ensure that precautions are taken and control measures followed.		Immediate	
10. Assessor's Signature:		11. Next Formal Review Date:	
		December 2017	

Employer: PT Matic		Site: DPS 1	
Assessor Name:		Assessment Serial Number: AL/FS	
Is more Assessment needed: No		Assessment Date: 20th February 2017	
		Related Risk Assessments: Slips, Trips & Falls	
1. Activity/Process Being Assessed		2. Regulations/Codes/Guidance	
Fire Safety – General Site Safety		LN 281 of 2004	
3. Significant Hazards:		4. People at Risk	
1. Injury/Death to people 2. Damage to property		Operatives and third parties	
		5. Frequency and Duration of Exposure to the Risk	
		8 hrs per day of work plus breaks	
6. Control Measures:			
1. Devise safe working methods 2. Early warning systems 3. Emergency procedures, including fire points, means of alarm raising and clear exit points 4. Regular fire drills 5. Good housekeeping to reduce amount of combustible material			
7. Risk Rating with Precautions: Med		Likelihood: 6 Severity + Pop 5	
8. Management Action:		9. Priority For Action (Date)	
1. All operatives to be instructed in site specific emergency procedures 2. Fire points to be positioned throughout contract area 3. Include in regular toolbox talks		Immediate	
10. Assessor's Signature:		11. Next Formal Review Date:	
		December 2017	

