

# **PEMBROKE DOCK RECYCLING FACILITY**

## **ENVIRONMENTAL MANAGEMENT SYSTEM**

**JANUARY 2016**

**Prepared for:**

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## DOCUMENT CONTROL SHEET

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TITLE:	ENVIRONMENTAL MANAGEMENT SYSTEM

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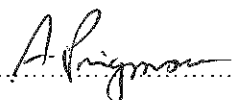
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Version	Date	Comments
Original	December 2015	
Revision 1	January 2016	EMS updated to accommodate additional storage area and new waste codes as outlined in section 2.1.4

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**PEMBROKE DOCK RECYCLING FACILITY**  
**ENVIRONMENTAL MANAGEMENT SYSTEM**

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## 1.0 SITE DESCRIPTION AND SPECIFIED WASTE MANAGEMENT OPERATIONS

Sundorne Products Limited operate a Recycling Facility at Pembroke Dock, Pembrokeshire. The site address is: -

Unit 41,  
The Dockyard,  
Pembroke Dock,  
Pembrokeshire,  
SA72 6TD

The hours of operation for the facility are outlined below: -

Monday – Saturday	07.30 – 19.30
Sundays and Public Holidays	09.00 – 16.00

Planning Permission with reference 13/1039/PA was granted by Pembrokeshire County Council for a **“Waste transfer station and shredding bailing facility and a reception hall”** on the 30<sup>th</sup> May 2014.

An environmental permit has also been granted for the facility and has the reference number EPR/PB3490HV.

The permit comprises a tier 3 bespoke Permit for a household, commercial and industrial waste transfer station with treatment.

Treatment can be for either recovery or disposal.

All treatment and storage of waste must take place on an impermeable surface with sealed drainage to foul sewer. Storage may take place either in a building or outside.

The maximum quantity of waste that can be accepted in accordance with the environmental permit is 74,000 tonnes per year.

No hazardous wastes can be accepted at the site.

A Site Condition Report is contained Appendix E.

## 2.0 SITE LAYOUT AND EQUIPMENT

A layout drawing for the Pembroke Dock Recycling Facility is included in Appendix A of this document.

The main pieces of machinery that will be utilised on site are summarised in Table 1 below: -

Equipment	Model	Serial Number
Shredder	SATRIND Shredder	406415
Screener/Trommel	60MM DRUM SM518	
Baler	Cross Wrap CK TR121/006	1103817

### 2.1 Process Overview

#### 2.1.1 Delivery and Removal

During site opening hours, waste will be delivered to the site by residual waste collection vehicles and bulk transport vehicles. Fines and wastes will exit via enclosed transport vehicles.

Upon entering the site, all vehicles will be weighed at the weighbridge and then be directed to unload waste in the enclosed reception hall within the waste reception building.

Safe systems of work will be in place to ensure that loading and unloading of waste into and out of the processing plant is undertaken in an appropriate manner to minimise risk of accident or incident.

#### 2.1.2 Treatment

Waste accepted at the site will be treated in preparation for onward transport to off-site recycling and incineration facilities. Some waste will only be bulked prior to storage and onward transport, as outlined in section 2.1.4.

Treatment will involve shredding, screening, separation and baling processes.

Selected recyclates will be extracted from the waste stream in line with the Waste Framework Directive.

Recyclates will be stored separately within containers before being transported for re-processing.

Dusts and fines resulting from processing techniques will be minimised through the use of dust and fines collection systems incorporated within treatment equipment.

Additional dust suppression will be implemented by damping down where deemed necessary. All processing will take place within the waste reception building, and therefore, release of dust and fines to the external environment will be minimal.

Biodegradable and canteen waste will be diverted to Withyhedge Landfill on the same day it arrives at the facility, with no overnight storage.

#### 2.1.3 Storage

Processed waste will be baled and wrapped in plastic film to ensure environmental protection during transportation. Baled and wrapped waste will be transferred in an appropriate manner to a dedicated external storage area prior to onward transportation to further treatment / recovery facilities.

An inspection of stored wastes for pest infestations or damage of wrapping will be carried out on a daily basis by the site supervisor, and shall be recorded in the site diary.

On detection (or notification) of pest infestation or damage to bale wrapping, immediate remedial action shall be taken.

In the instance of a pest infestation, a professional pest control contractor will be appointed.

Where damage to bales is identified, appropriate measures will be undertaken to secure the bale.

The incident and the remedial action shall be recorded in the site diary.

There is sufficient external storage capacity for the storage of 4,500 tonnes of baled and wrapped waste. As part of the lease agreement with Milford Haven port Authority, baled waste will not be stored externally on site for longer than 12 weeks.

An application has been submitted to include an additional storage area.

Baled waste will be stored in accordance with TGN7.1 to reduce the risk of fire on site.

#### *2.1.4 Accepted Waste Types*

Only waste categorised under Environmental Waste Code 20 03 01 can currently be accepted at the Pembroke Dock Recycling Facility. The description of this waste type is given below: -

20 03 01 - Mixed municipal waste (consisting of general 'black bag' waste or Household Waste Recycling Centre residual waste only).

An application has been submitted to add the below waste codes to be accepted at the facility.

If the below waste streams are to be stored at the facility, they will follow the existing plan of storing at the furthest distance from sensitive receptors as per the facility's Odour Management Plan.

They will undergo the same waste acceptance procedures, in that loads with an unacceptable high odour will be rejected entrance, with this being recorded in the site diary, as outlined in the facility's Odour Management Plan.

15 01 02 - plastic packaging;  
15 01 04 - metallic packaging;  
15 01 06 - mixed packaging;  
19 12 12 - other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11;  
20 01 01 - paper and cardboard;  
20 01 11 - textiles;  
20 01 39 - plastics;

The above waste streams will either just be bulked up or baled and wrapped in 8-10 layers to prevent fugitive odour emissions, ready for storage at the facility prior to being loaded on the ship.

15 01 07 - glass packaging;  
20 01 02 - glass.

All glass waste will be skipped ready for loading into containers.

20 03 07 - bulky waste.

Bulky waste will be bulked together as far as reasonably practical and stored ready to be loaded onto the ship.

20 01 08 - biodegradable kitchen and canteen waste.

Biodegradable kitchen and canteen waste is the most likely additional waste stream to emit fugitive odour, and as such the waste will be bulked up in preparation for transport to Withyhedge Landfill, removed every day with no overnight storage.

The waste accepted at the facility will remain non-hazardous, with similar processes, storage and waste acceptance, and as such the current monitoring and checks will remain largely applicable. In order to take a conservative approach, additional monitoring and checks will be undertaken as outlined in the site specific risk assessment (Table 2).

Processing will still be undertaken within the enclosed building for all new additional waste streams.

#### *2.1.5 Drainage*

A drawing showing the drainage for the facility is included in Appendix A – drawing 240-02-05.D02.

All processing and storage is undertaken on an impermeable surface with sealed drainage to the foul sewer, the proposed additional storage area will also follow this.

Clean surface water run-off from the building is diverted to the lagoon located on the site.

### **3.0 ENVIRONMENTAL ASPECTS AND IMPACTS**

Potential environmental impacts for the Pembroke Dock Recycling Facility have been considered and a site specific risk assessment has been prepared for the site.

The site specific risk assessment outlines the potential risks associated with the operation of the site and includes the equipment utilised, materials being processed and emergencies such as fire or flood.

Mitigation measures that will be implemented at the site have been outlined for each item. These measures will reduce the associated risk to an acceptable level.

The site specific risk assessment addresses the potential risks from extending the storage time of baled waste from 6 to 12 weeks, the new waste codes as outlined in 2.1.4, and the new storage area.

The risk assessment is summarised in Table 2 on the following page.



**Table 2 – Site Specific Risk Assessment**

Risk	Probability	Consequence	Overall Risk	Mitigation Measures	Residual Risk
Release of Particulate matter (dust) to nearby sensitive receptors	Low	Moderate	Moderate	Processing will be undertaken inside a building. Entrances will be kept shut when possible. Dust Suppression equipment will be kept on site and utilised where required	Low
Site run-off to groundwater	Low	Moderate/High	Moderate	Process and storage areas are on suitably designed hardstanding. Storage areas drain directly to foul sewer. New storage area will be on hardstanding, connecting to the sealed drainage system to the foul sewer.	Low
Site run-off to surface water	Low	Moderate/High	Moderate	Process and storage areas are on suitably designed hardstanding. Storage areas drain directly to foul sewer. New storage area will be on hardstanding, connecting to the sealed drainage system to the foul sewer.	Low
Deposition/release of litter from site	Low	Low	Low	Processing will be undertaken inside a building. Entrances will be kept shut when possible. Bales in storage areas will be regularly inspected to ensure wrapping remains intact. Due to new waste streams at the site that will not be wrapped and baled, daily checks will be undertaken by the Site Supervisor to ensure the site remains at an acceptable condition.	Low
Noise	Low	Moderate	Moderate	Machinery is contained within a building which will act as a noise barrier. Machinery will be maintained in line with manufacturer's guidance to ensure correct operation. Site operations will be restricted to within the permitted times. Employees and visitors will utilise hearing protection as required, A noise assessment conducted for the development concluded that any noise produced would attenuate to below background levels at the nearest sensitive receptors.	Low
Vibration	Low	Moderate	Moderate	Machinery will be maintained in line with manufacturer's guidance. Due to the nature of the operations proposed for the site, it is unlikely that the site operations will be in excess of existing port operations.	Low
Odour	Low	Moderate/High	Moderate/High	Waste will be delivered to the site in enclosed/sealed vehicles. Wastes will be deposited directly within the fully enclosed building. Pre-treated waste will be stored internally for a maximum of 48 hours to maintain a suitable internal air quality. Biodegradable and canteen waste will be bulked and transported to Withyhedge Landfill on the same day.	Low/Moderate

Risk	Probability	Consequence	Overall Risk	Mitigation Measures	Residual Risk
				<p>Following any treatment, bales will be suitably wrapped in accordance with published guidance to limit odour generation.</p> <p>Bales will not be stored externally for longer than 12 weeks.</p> <p>Bales will be stored at locations furthest from nearby sensitive receptors, with waste with a higher odour prioritised for both the outlined storage and onward transport.</p> <p>Odour suppression equipment will be utilised where required.</p> <p>Daily checks will be undertaken by the site manager to monitor aerial emission of odour at the site boundary situated downwind of operations.</p> <p>An Odour Management Plan has been prepared for the site and will be implemented. Additional monitoring will ensure the storage time extension, new waste streams and new storage area is not having a detrimental impact, including an increase of olfactory monitoring from a minimum of twice a week, to a minimum of three times a week.</p> <p>The new storage area allows for extra storage with a longer pathway to the new receptors.</p>	
Pests	Moderate	Moderate	Moderate	<p>Wastes will be deposited directly within the fully enclosed building.</p> <p>Pre-treated waste will be stored internally for a maximum of 48 hours</p> <p>A maximum of 570 Tonnes of unprocessed waste will be stored within the building at any one time.</p> <p>Bales will be stored externally for no longer than 12 weeks.</p> <p>An inspection of stored wastes for pest infestations or damage will be carried out daily by the site supervisor. Specialist external contractors will be employed if required.</p>	Low/Moderate
Flooding of the site – Employees and Visitors	Low	High	High	<p>The Site will register with Natural Resources Wales Floodline warning service.</p> <p>A flood evacuation plan will be held and maintained by the Site Manager.</p> <p>All employees and visitors will be made aware of the plan and evacuation procedures.</p>	Low
Flooding of the site – Groundwater/Surface water	Low	High	High	<p>The Site will register with Natural Resources Wales Floodline warning service.</p> <p>A maximum of 570 Tonnes of unprocessed waste will be stored within the building at any one time.</p> <p>The maximum amount of 4500 Tonnes of baled and wrapped material stored externally will not be exceeded.</p> <p>Bales that will be stored externally will only be kept within designated storage areas.</p> <p>Building doors will be kept closed as far as possible.</p>	Low

Risk	Probability	Consequence	Overall Risk	Mitigation Measures	Residual Risk
Fire	Low	High	High	<p>Bales will be stored in accordance with appropriate guidelines.</p> <p>A fire evacuation plan will be held and maintained by the Site Manager. All employees and visitors will be made aware of the plan and fire exits/assembly points.</p> <p>All machinery will be maintained in accordance with manufacturers guidelines</p> <p>Appropriate fire suppression equipment will be maintained on site</p> <p>Bales will be stored in accordance with published guidance.</p>	Low
Bodily Injury – Employees and Visitors	Low	Moderate/High	Moderate	<p>Only suitably trained and qualified staff will operate machinery.</p> <p>Machinery will be maintained in accordance with manufacturers guidelines</p> <p>Appropriate Personal Protective Equipment (PPE) will be worn at all times.</p>	Low
Traffic Movements	Low	Moderate	Low	<p>A transport plan has been prepared for the site.</p> <p>Only one delivery vehicle will be allowed entry into the building at a time.</p> <p>Visibility splays will be located around the site as required</p> <p>Deliveries will be co-ordinated by the weighbridge operator</p> <p>Appropriate PPE will be worn at all times</p> <p>Reversing will be minimised, with banksman/reversing cameras used where required.</p>	Low

## 4.0 OPERATIONAL CONTROL

The following personnel shall hold primary responsibility for ensuring that the requirements of the EMS are met.

### 4.1 Site Manager

The Site Manager will be responsible for the overall operation of the facility. The primary responsibilities of the Site Manager will include: -

- Maintain and update the EMS document as required;
- Investigate and respond to any complaints received;
- Investigate any environmental incidents and implement corrective actions;
- Complete any regulatory reporting requirements;
- Undertake annual audit of the EMS document.

Details of the Site Manager are given below.

Name	Bryan Cameron
Contact Number	01437 741003
Out of Hours	07557 979709

### 4.2 Site Supervisor

The Site Supervisor will be responsible for the day to day running of the facility and will be the first point of contact in the event of an incident, emergency or complaint. Key responsibilities of the Site Supervisor will include: -

- Ensure all employees are aware of environmental risks associated with the facility and the measures that should be implemented in the event of an incident or emergency, including exit routes and assembly points;
- Complete monitoring and inspections requirements for the facility and keep records;
- Ensure a maintenance schedule is created and adhered to;
- Inform the Site Manager of any incidents, emergencies or complaints;
- Ensure the maximum volume of unprocessed (570 Tonnes) and processed baled material stored externally (4500 Tonnes) is not exceeded;
- Ensure pre-treated waste is not stored internally for more than 48 hours to maintain a suitable internal air quality.

Details of the Site Supervisor are given below.

Name	Martin Hughes
Contact Number	07572 865114
Out of Hours	07572 865114

## **5.0 ENVIRONMENTAL INCIDENTS PROCEDURE**

### **5.1 Identification of Potential Hazards**

The main potential risks associated with the facility have been outlined in Section 3, where appropriate mitigation measures have been proposed to ensure risk remains at an acceptable level.

Additional general measures that will be adopted to minimise risk are outlined below: -

The following measures will be implemented in order to reduce any risks: -

- Spill Control Kits will be provided on site where necessary;
- Incoming raw materials will be visually checked to ensure they do not contain any materials which have the potential to cause any accidents/incidents;
- All material received on site will be processed as soon as possible;
- Deliveries will be co-ordinated by the weighbridge operator;
- A speed restriction is in place on site to prevent collisions;
- Reversing will be minimised as far as possible; and where required will be performed using the appropriate aids and personnel;
- An accident book is in place to record all incidents and near misses;
- Any recommendations/improvements suggested by accident/incident reports are implemented if feasible;
- All staff will be given induction training prior to their undertaking of any works on site;
- All staff will be adequately trained to operate equipment prior to use and will wear appropriate Personal Protective Equipment at all times.

### **5.2 Incident Management**

In the event that an incident does occur, the Site Supervisor must be informed and the following procedures will be followed: -

1. Raise the alarm where required;
2. Make safe any equipment and machinery where possible;
3. Call emergency services if required;
4. Site Supervisor to inform the Site Manager;
5. Inform appropriate regulatory authorities where required;
6. Undertake Investigation and implement corrective actions.

### **5.3 Facility or Site Office Fire**

If a fire should occur in the recycling facility building or site office then the electrical supply shall be switched off immediately. Fire extinguishers, located in each building will be used to control the fire and prevent it spreading, where safe to do so.

Should the fire be such that it cannot be controlled by the use of extinguishers, then the building shall be evacuated and the emergency services contacted.

Highly-sensitive hi-tech fire alarms are installed at the facility.

A fire evacuation plan will be held and maintained by the Site Manager. All Employees and visitors will be made aware of the plan and fire exits/assembly points.

All plant will be maintained in accordance with manufacturer's guidelines.

Appropriate fire suppression equipment will be maintained on site, and sufficient water will always be available.

Baled waste will be stored in line with TGN 7.01 – Fire Prevention Plans guidance.

Access points will always be clear for emergency vehicles.

#### **5.4 Vehicle Fire**

In the event of a vehicle fire, the vehicle should be diverted to a holding area if possible and fire extinguishers within the vehicle should be used to control the fire where present.

Should the fire be such that it cannot be controlled by the use of extinguishers, then the vehicle shall be evacuated and the emergency services contacted.

## **6.0 MAINTENANCE, MONITORING AND REPORTING**

### **6.1 Maintenance**

A site maintenance schedule will be created by the Site Supervisor for all plant and machinery.

The schedule will include regular visual checks of plant and machinery in addition to mechanical maintenance which will be undertaken in line with the manufacturer's guidance.

The maintenance schedule and records will be held in the site office.

A maintenance log and fault log template are included in Appendix B.

### **6.2 Monitoring and Reporting**

Visual inspections of the unprocessed waste, baled waste and external storage area will be undertaken daily by the Site Supervisor.

Regulatory reporting requirements outlined in the permit will be completed by the Site Manager within the allotted timescales.

The Pest Management Plan will be implemented which includes fly monitoring using adhesive fly paper and calculating resting counts within the building, and visual inspections for flies and rats.

The Odour Management Plan will be implemented which includes weekly olfactory monitoring which will be undertaken along the site perimeter and offsite at nearby sensitive receptors as required.

## 7.0 TRAINING

The Site Supervisor shall hold primary responsibility for ensuring that all personnel are aware of their environmental obligations and have undertaken suitable training (in-house or formal) to complete their roles at the Pembroke Dock MRF site.

A Training Matrix is included in Appendix C.

The Site Supervisor is responsible for ensuring that induction training is given to each new employee when he/she is employed at the site. All employees are instructed on environmental matters concerning the site which outlines the following basic principles: -

- The importance of conformance with company Environmental Policy, the associated Environmental Assurance Procedures and all other requirements of the Environmental Management System;
- The significant environmental impacts, both actual or potential of their work activities, and the associated environmental benefits associated with improved personal performance;
- Employee's roles and responsibilities in achieving conformance with all aspects of the Environmental Management System;
- The potential consequences if site procedures and associated environmental legislation are not followed;
- Reporting procedures if deviations from the permit or normal operating practices occur.

A Training Record will be held by the Site Supervisor and include the following information: -

- (a) the person's name and signature;
- (b) job no./title, as appropriate;
- (c) details of training undertaken;
- (d) dates training undertaken;
- (e) qualifications achieved (where applicable).

All employees are required to sign a Training Record to confirm that they have received instruction on environmental matters concerning the site and understand all their obligations.

The Training Record will be kept in the site office.

The training requirements of employees will be reviewed by the Site Manager and Site Supervisor on an annual basis at which time the annual training programme is agreed. The training review will ensure that the training needs of all employees are identified and methods for providing that training established.

The Site Supervisor will identify any organise any additional training required by employees outside of the training programme.



## **8.0 AUDIT PROCEDURE**

The Site Manager is responsible for conducting an annual internal audit of both the EMS document and the facility to ensure the environmental aspects and impacts of the facility remain adequately managed.

An audit template form is included in Appendix D.

The audit will cover the following topics at a minimum: -

- Review and update Site Manager and Supervisor details if required;
- Review environmental aspects and impacts and mitigation measures;
- Review of any complaints received since the previous audit, the subsequent actions taken and their effectiveness;
- Review of incidents/near misses that have occurred since the previous audit, the subsequent actions taken and their effectiveness;
- Review training status and requirements of all staff;
- Review process description, planned updates and changes to the facility and identify any amendments required to the EMS, site processes and potential impact to overall site risk;
- Discuss requirements for new corrective or preventative actions;
- Determine date of next audit.

Audit items or observations made which require a corrective action or have deviated from a defined process will result in the audit being failed for that item. Corrective actions will be identified by the Site Manager and Site Supervisor along with a timescale to implement the actions. A re-audit will be organised for the end of the implementation period.

If no corrective actions are required, or where only preventative actions are needed, then the audit will have been passed.

Observations raised, which require a preventative action, will be recorded by the Site Manager and will be given a date for review.

### **8.1 Re-audit Procedure**

Only items recorded as failures in the audit report will be re-audited. If the item checked on the re-audit is in conformance following implementation of the corrective action then the re-audit is said to have passed.

If the items checked are found not to conform then the re-audit is said to have failed. The reason for failure is recorded and the Site Manager is notified immediately. The Site Manager will ensure that any items that fail the re-audit are prioritised for immediate action.

### **8.2 EMS updates**

The EMS will be updated to incorporate any changes made at the site.

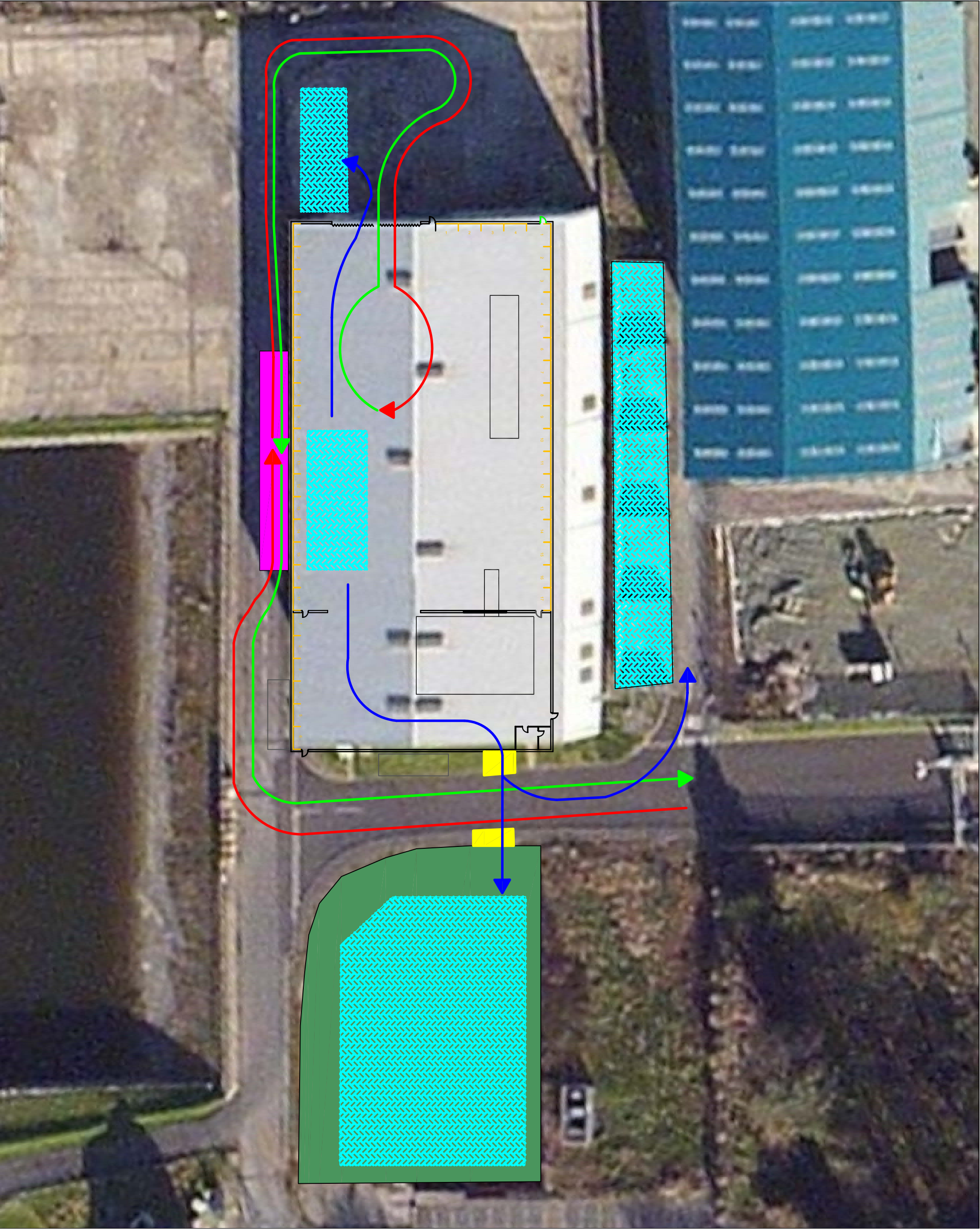
Changes that alter site processes, machinery types or could increase the environmental risk of the site will be discussed with Natural Resources Wales prior to implementation and updating of the document.

A copy of an updated EMS will be provided to NRW and other regulatory bodies as required.

## **APPENDIX A**

### **Drawings**

- Delivery Route In
- Delivery Route Out
- Ball Storage Movements
- Tarmac
- New Drop Curbs
- Bale Storage
- Weighbridge



Job:  
240-01-04

Title:  
Pembroke Dock Traffic Management Plan

Date: April 2015

Scale: NTS

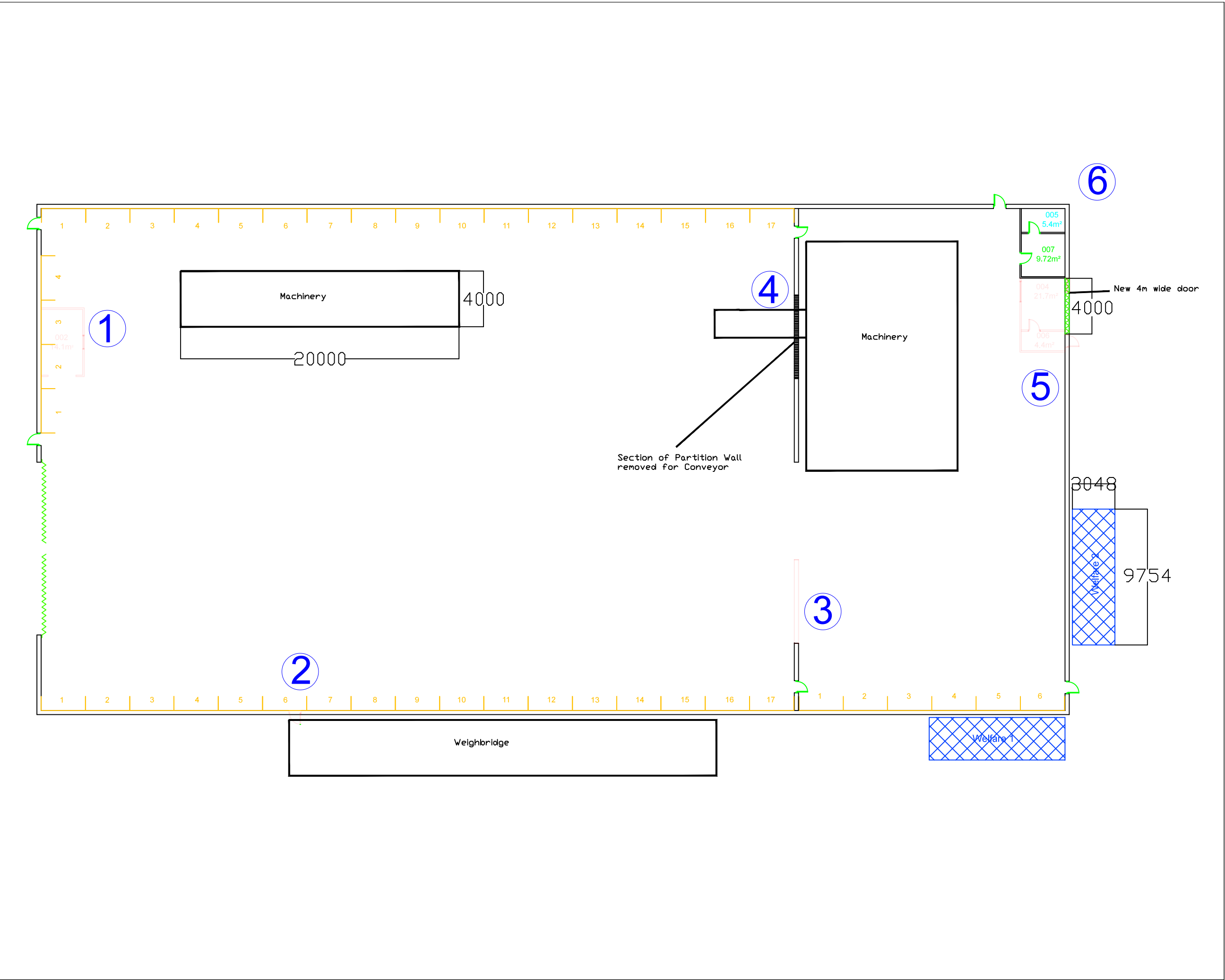
Drawn by: DS

Checked by: SW

  
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Drawing No: 240-01-04.D02

Revision No: Date:



- 1** Push Wall Section
- Sections to be Removed**
- 1** Existing Office to be Demolished
- 2** Existing Fire Door to be Blocked up
- 3** 6m Section of Partition Wall to be Demolished
- 4** Create Opening in Existing Wall for Conveyor
- 5** Part of Existing Offices to be Demolished and 4m Wide Roller Shutter Door to be Installed
- 6** Link Existing Site Drainage Sytem to Welfare Cabin

**Job:** 240-01-04

**Title:** Pembroke Dock Building Layout

**Date:** March 2015

**Scale:** NTS

**Drawn by:** AP

**Checked by:** DS






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**Drawing No:** 240-01-04.D01

**Revision No: 1** **Date: 27-03-15**



-  Proposed Additional Storage Location
-  Bale Storage
-  Weighbridge



Job: 240-02-05

Title: Pembroke Dock Storage Locations

Date:	December 2015
Scale:	NTS
Drawn by:	CG
Checked by:	SW

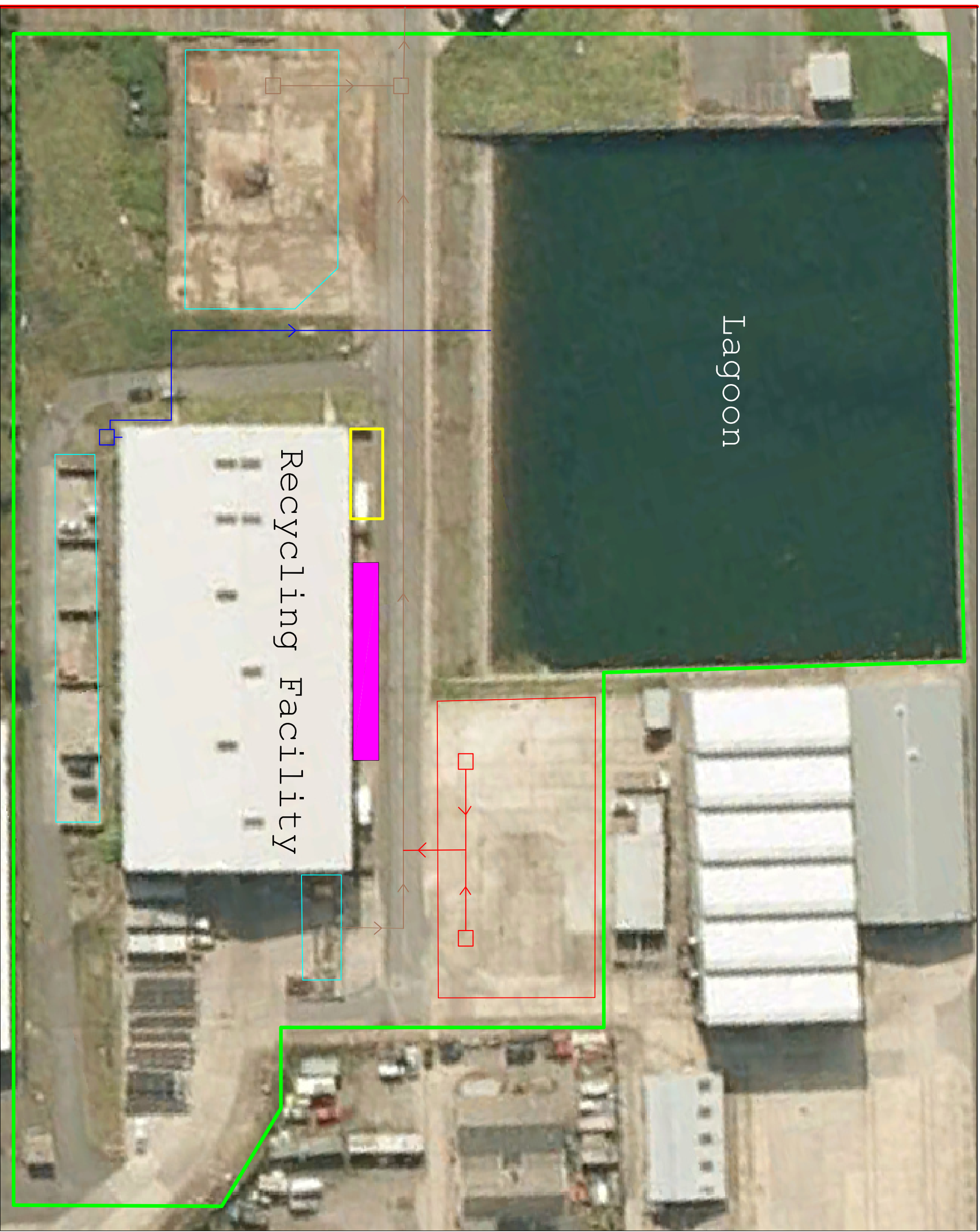


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Drawing No: 240-02-05.d01	Date:
Revision No:	

A3



**Proposed Additional  
Storage Location**

## External Bale Storage

Weighbridge

Approximate site boundary

→ **Current drainage system (foul sewer)**

→ **Current drainage system (surface water)**

**Proposed foul drainage**

**Site office**

**Job:**  
**240-02-05**

**Title:**  
Pembroke Dock Drainage

Date: January 2016

Scale: NTS

Drawn by: CG

Checked by: AP



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## **APPENDIX B**

### **Maintenance Log Template**

[illegible]



[illegible]

**APPENDIX C**  
**Training Matrix**

## Site Induction Register

[illegible]

## Employee Training Record

<b>Name:</b>				
<b>Qualifications:</b>				
<b>In house training and training courses attended: -</b>				
<b>Date</b>	<b>Description</b>	<b>Signature Supervisor</b>	<b>Signature Employee</b>	<b>Venue</b>

**APPENDIX D**  
**Audit Template**

## AUDIT REPORT

Audit Description:		Audit No:	
Auditor:		Date:	
Actions	Corrective:		
	Preventative:		
Summary of Findings:			
Audit Result: PASS/FAIL			
Signed:		Date:	
Re-audit Result: PASS/FAIL			
Signed:		Date:	
Site Manager Signature:		Date:	

## **APPENDIX E**

### **Site Condition Report**

## **Unit 41 – Site Condition Report**

### **Site Details**

Site Manager: Bryan Cameron

Activity: Waste transfer station and shredding bailing facility and a reception hall.

National Grid Reference: SM957036

### **Condition of the land at Permit issue**

Before the current B2 (general industrial) use at the Unit 41 site, the use was B8 (storage or distribution). The site is within the existing Port of Pembroke Dock boundary which has existing operations on a 24 hour basis and is near to the Pembroke Dock Sewage Treatment Plant. It is currently bounded by other industrial activities.

The site lies within a former dockyard, and according to the Desk Reference Guide to Potentially Contaminative Land Uses, published by ISVA, the likelihood and nature of contamination from dockyards and wharves will largely depend upon the type of handling systems and transfer of cargoes handles.

According to the DoE Industry Profile 'Dockyards and Dockland' other potential contaminants associated with dockyards include gasses from underlying peat and organic clays, spillages and leakages of cargo materials such as petroleum products and coal etc, cleaning agents and asbestos using in roofing and insulation. Any metal contamination tends to be localised, except where leaching has occurred, organic contaminants such as oil are highly mobile and can potentially migrate to contaminate a large and wider area.

There are no significant excavations into the underlying ground at the site, and as the current use of the site is operational on hardstanding cover, it is unlikely that a potential pollutant linkage will be created between the use of the site and the underlying ground. However care will be taken if any excavation were to occur in the future.

Prior to Sundorne Products Ltd taking over the land at Pembroke Dock, it was agreed that developers determined the extent of any contamination, and before any works commenced on the area of land it was to be determined whether or not the land is contaminated and what works may need to be carried out to make the land 'suitable for use'. Therefore, as development went forward and the site is operational, and that all storage and processes is undertaken on an impermeable surface, it is believed that the site is not contaminated.

The above information has been derived from the planning documents available for view from Pembrokeshire County Council.

No groundwater, soil or gas monitoring is currently undertaken at the facility.

### **Permitted Activities**

Planning Permission with reference 13/1039/PA was granted by Pembrokeshire County Council for a **"Waste transfer station and shredding bailing facility and a reception hall"** on the 30<sup>th</sup> May 2014.

An environmental permit has also been granted for the facility and has the reference number EPR/PB3490HV.

The permit comprises a tier 3 bespoke Permit for a household, commercial and industrial waste transfer station with treatment.



Treatment can be for either recovery or disposal.

All treatment and storage of waste must take place on an impermeable surface with sealed drainage to foul sewer. Storage may take place either in a building or outside.

The maximum quantity of waste that can be accepted in accordance with the environmental permit is 74,000 tonnes per year.

No hazardous wastes can be accepted at the site.