

|  |   |   |   |
|--|---|---|---|
| <b>Contract</b>  | <b>Tandy's Lane Village Phase 2, Adamstown SDZ</b>  |   |   |
| <b>Document Title</b>  | <b>Construction Stage – Waste Management plan</b>   |   |   |
| <b>Document Reference</b>  |   |   |   |
|  |   |   |   |
| <b>The Client</b>  |   | <b>Quintain</b>                             |   |
| <b>The Contractor/ PSCS</b>  |    | <b>GEM Construction</b>                     |   |
| <b>Architect</b>   |    | <b>MOLA Architects</b>                      |   |
| <b>Consulting Engineers-<br/>CSA &amp; M&amp;E</b>                                 |    | <b>Waterman Moylan Consulting Engineers</b> |   |
| <b>Project Scope</b>   | <p>This document outlines the GEM Construction Waste management arrangements on the Tandys Lane Village Phase 2 Project. It details the typical waste management arrangements in place to facilitate the reduce, reuse and recycle hierarchy of controls that should be in place to minimise the disposal of waste to landfill.</p> <p>It also details responsible persons on the project</p> |   |   |
| <b>Date</b>  | <b>28.04.2023</b>   | <b>Status</b>                               | <b>Revision 1.3 on 17-11-2023- for implementation</b> |

Document Verification

Page 1 of 1

|           |                               |                 |
|-----------|-------------------------------|-----------------|
| Job title | Tandy's Lane Village, Phase 2 | Job number 1303 |
|-----------|-------------------------------|-----------------|

|                |                               |                |
|----------------|-------------------------------|----------------|
| Document title | Project Waste Management Plan | File reference |
|----------------|-------------------------------|----------------|

| Revision | Date     | Filename    | Construction Stage- Waste Management Plan  |                          |                  |  |
|----------|----------|-------------|--|--------------------------|------------------|--|
| Rev 1    | 30.03.20 | Filename    | Construction Stage- Waste Management Plan  |                          |                  |  |
|          |          | Description | Construction Stage – Construction Waste Management plan prepared to comply with Local Authority Guidelines |                          |                  |  |
|          |          |             | Prepared by  | Checked by               | Approved by      |  |
|          |          | Name        | Barry Connolly<br>0874282777   | Maria Dune<br>0874296992 | Barry O'Rafferty |  |
|          |          | Signature   |  |                          |                  |  |
| Rev 2    |          | Filename    |  |                          |                  |  |
|          |          | Description |  |                          |                  |  |
|          |          |             | Prepared by  | Checked by               | Approved by      |  |
|          |          | Name        |  |                          |                  |  |
|          |          | Signature   |  |                          |                  |  |
| Rev 3.0  |          | Filename    | Revision 1.3   |                          |                  |  |
|          |          | Description | Revised waste plan   |                          |                  |  |
|          |          |             | Prepared by  | Checked by               | Approved by      |  |
|          |          | Name        | Barry Connolly   | Maria Dunne              | Barry O'Rafferty |  |
|          |          | Signature   |  |                          |                  |  |

## **Project Team**

Barry Connolly Contracts manager [barry.connolly@gemgroup.ie](mailto:barry.connolly@gemgroup.ie) 0874282777

Eoghan Shortt HS&E manager [Eoghan.shortt@gemgroup.ie](mailto:Eoghan.shortt@gemgroup.ie)

Maria Dunne HS&E advisor [maria.dunne@gemgroup.ie](mailto:maria.dunne@gemgroup.ie)

Kieran McCormack Project Manager [Kieran.mccormack@gemgroup.ie](mailto:Kieran.mccormack@gemgroup.ie)

## **CONTENTS**

|            |   |           |
|------------|---|-----------|
| <b>1.</b>  | <b>EXECUTIVE SUMMARY .....</b>                                | <b>4</b>  |
| <b>2.</b>  | <b>INTRODUCTION .....</b>                                     | <b>5</b>  |
| <b>3.</b>  | <b>PROJECT DESCRIPTION .....</b>                              | <b>5</b>  |
| <b>4.</b>  | <b>WASTE GENERATION.....</b>                                  | <b>6</b>  |
| <b>5.</b>  | <b>WASTE MANAGEMENT .....</b>                                 | <b>7</b>  |
| <b>6.</b>  | <b>WASTE MATERIAL GENERATION.....</b>                         | <b>7</b>  |
| <b>7.</b>  | <b>SITE RULES REGARDING WASTE MANAGEMENT .....</b>            | <b>7</b>  |
| <b>8.</b>  | <b>SKIP LOCATIONS .....</b>                                   | <b>9</b>  |
| <b>9.</b>  | <b>WASTE TYPES &amp; QUANTITIES .....</b>                     | <b>10</b> |
| <b>10.</b> | <b>WASTE MANAGEMENT RESPONSIBILITIES.....</b>                 | <b>22</b> |
| 10.1       | The Project Director.....                                     | 22        |
| 10.2       | The Project Manager .....                                     | 22        |
| 10.3       | EHS Dept.....   | 23        |
| 10.4       | Site Staff & Sub Contractors .....                            | 23        |
| <b>11.</b> | <b>RECORD KEEPING .....</b>                                   | <b>23</b> |
| <b>12.</b> | <b>INSPECTIONS .....</b>                                      | <b>24</b> |
| <b>13.</b> | <b>EMERGENCY CONTACT LIST .....</b>                           | <b>24</b> |
| <b>14.</b> | <b>PROCEDURE FOR THE IMPORTING OR EXPORTING OF SPOIL.....</b> | <b>24</b> |
| 14.1       | Inert or Non-Hazardous Spoil.....                             | 24        |
| 14.2       | Hazardous or Contaminated Spoil .....                         | 25        |

## 1. EXECUTIVE SUMMARY

This waste management plan details how waste materials will be managed during works on the Tandy's Lane Village Phase 2 project. The plan describes how waste management practices will be addressed on a day-to-day basis and details the different waste streams generated, where they will arise and how they will be re-used, recovered, or disposed.

The plan takes into account the requirements of the following:

- Current waste management legal and regulatory requirements.
- Current environmental best practice in the waste and construction industry.
- Relevant national, regional and local waste policies and plans
- “Best Practice Guidelines for the Preparation of Resource & Waste Management Plans for Construction and Demolition Projects” EPA 2021.

Measures will be implemented on-site to ensure that good waste management practices are adhered to throughout the project. These include:

- Control and reduction of waste materials generated on site through efficient ordering and correct storage. Exhausting all options before orders are placed. Reviewing stock items from other projects that are nearing completion.
- Coordinating with a waste collecting company to ensure that waste separation, reuse and recycling is paramount from our developments.
- Reuse on-site timber on site and all of other materials are clean and undamaged through correct storage compounds, covered huts, steel containers.
- Reuse on-site of material off-cuts. Store on site until ready to be used. Timber material is reused for signage frames, safety huts, storage boxes, hoardings etc.

- Training and continual awareness, auditing and updating of the waste management plan as works progress.
- An appointed site coordinator manages the materials being delivered, stores, and ordering from site. He also coordinates local access, road cleanliness, litter picks, dust monitoring and noise pollution.

## **2. INTRODUCTION**

The waste management plan for the Tandy's Lane Village, Phase 2 project has been prepared in accordance with "*Best Practice Guidelines for the Preparation of Waste Management Plans for Construction and Demolition Projects*" Published by the EPA 2021 .GEM are also focused on developing new methods of waste management such as offsite construction, manufacture off site and assemble on site. We are reducing storing times on site to reduce any risks of material getting damaged and not fit for use.

## **3. PROJECT DESCRIPTION**

The contract for the construction of the new phase of the Tandy's Lane Village Phase 2 in Adamstown has been awarded to GEM Construction. The client is intending to construct 193 new housing units in this phase.

It is of note that it is intended to export spoil off site at this stage, but this shall be assessed as far as is practicable as there is a requirement for berms, raised beds and other landscaping features which require the build-up of ground levels in various areas of the site i.e back gardens. Works that will be carried out as part of the Tandy's Lane project works will include the completion of timber frame with masonry and rendered facades, tiled roof areas, completion of soft internal partitions and finishes, a complete M&E fit out of the units, power distribution and control systems and the completion of site roads, public utilities, and landscaped areas. Materials used will be assembled off site where practicable,

such as pre-hung internal doors, kitchen and ward robe units, heating cylinders etc. Assembly and final fitting will be on site. No waste is produced during these operations. Pipe work is pre insulated during the 1<sup>st</sup> fixing and plaster board is measured out per unit type.

The scope of works in the contract provides for the construction of ;

- Civil Works
- Completion of the site access road
- Architectural & Structural Works
- Groundwork's
- Mechanical & Electrical Installation
- Soft finishes

#### **4. WASTE GENERATION**

Wastes generated during the works will be managed by Kieran McCormack ( GEM Construction) - Project Manager in accordance with current waste management legal and regulatory requirements.

The Project Manager will keep control of waste surplus/deficits through the use of the following control measures:

- Order material as required. (limit storage on site)
- Accurate timing of deliveries. (just in time)
- Careful estimation of material quantities and no over ordering of material.
- Ensure that all materials stored on site are stored in a manner so as to prevent damage, deterioration and loss.
- Materials will remain wrapped or bound until ready for use.

## **5. WASTE MANAGEMENT**

All works on this site shall be managed efficiently and with lean construction methods. All waste material generated during the works will be dealt with in accordance with current waste management legal and regulatory requirements and take account of the current waste management hierarchy and the local Regional Waste Management Plan.

## **6. WASTE MATERIAL GENERATION**

Waste materials generated during the project will be re-used recycled, recovered, or disposed as detailed in *Table 2 – Waste Management Re-use / Recycling / Recovery / Disposal Routes*. Waste materials will be stored in a designated waste storage area in suitable waste receptacles to await collection by the nominated permitted contractors.

All waste materials taken off site must be taken by a permitted contractor to an authorised facility/site where the material can be accepted. The waste contractor will be requested to provide details on the percentage of waste for recycling/recovery and percentage for disposal.

## **7. SITE RULES REGARDING WASTE MANAGEMENT**

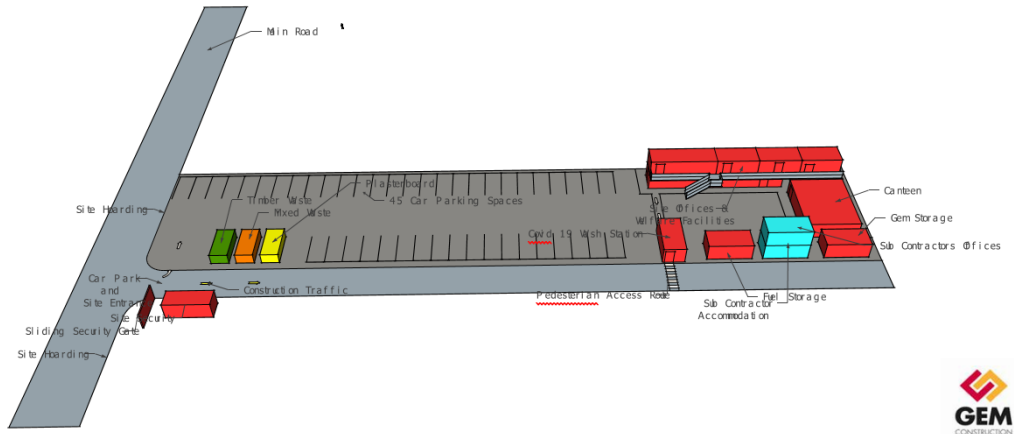
- Separate skips shall be provided for different waste streams as far as is practical. Timber will be separated on site, all other material off site at our waste providers facility.
- All domestic waste skips must be of closed type to prevent access to vermin.

- No eating is permitted on site or in parking areas. Eating is only permitted in the canteen areas.
- All waste, wrapping, debris etc. must be placed into skips as soon as they are generated, and cannot be stockpiled for disposal at a later date.
- Spoil heaps must be tamped down to prevent dusts, and where required should be dampened down or covered.
- The concrete wash out area is to be used for cleaning the chutes of all concrete trucks.
- The truck wheel wash is to be used by all vehicles exiting the site.
- Suppliers are to be contacted prior to orders to assess whether waste packaging and pallets can be returned.
- Waste oils, lubricant cans and cartridges must be stored in the stores and sent to Panda waste at the completion of the project
- MSDS documentation must be in place for all chemicals on site with details of the disposal arrangements.
- Timber is to be reused where possible for formworks, pegs, shims etc. before re-ordering
- A COSHH store will be available on site.



## 8. SKIP LOCATIONS

The central waste storage area will be located in the main compound adjacent to the site entrance on Adamstown Drive. Mini skips will be located on site which will be used to decant wastes off site to the central waste area.



## 9. WASTE TYPES & QUANTITIES

The Project Manager will retain all waste records for the duration of the project to facilitate the calculation of waste management costs on completion of the project.

Table 1:

| <i>Waste Description</i>                                       | <i>EWC Code</i> | <i>Waste Re-use / Recycling / Recovery / Disposal</i> | <i>Waste Haulier (Name &amp; Permit Number)</i> | <i>Waste Recycling / Recovery / Disposal Destination</i> | <i>Facility Licence / Permit No</i> | <i>Comments</i>  | <i>Anticipated Quantities</i> |
|--|-----------------|---|---|--|-------------------------------------|--|-------------------------------|
| General Waste including mixed municipal kitchen and food waste | 20 01 08        | Disposal, secondary segregation                       | Greenstar, NCWPO-13-11193-06                    | Panda Beauparc, Navan                                    | W-0140-03,                          | Waste skip on site, secondary segregation may take place in Panda waste due to space restrictions for additional skips adjacent to the | 60X 20ft RORO                 |

| <b>Waste Description</b> | <b>EWC Code</b> | <b>Waste Re-use / Recycling / Recovery / Disposal</b> | <b>Waste Haulier (Name &amp; Permit Number)</b> | <b>Waste Recycling / Recovery / Disposal Destination</b> | <b>Facility Licence / Permit No</b> | <b>Comments</b>  | <b>Anticipated Quantities</b> |
|--------------------------|-----------------|---|---|--|-------------------------------------|--|-------------------------------|
|                          |                 |   |   |  |                                     | building   |                               |
| Timber                   | 17 02 01        | recycling   | PANDA<br>NCWPO-13-<br>11193-06                  | Panda<br>Beauparc,<br>Navan                              | W-0140-03,                          | Waste skip on site- reuse as far as possible- pegs, shims etc. | 100 X 20 cuyd RORO            |
| Plastics                 | 17 02 04        | Disposal  | Panda,<br>NCWPO-13-<br>11193-06                 | Panda<br>Beauparc,<br>Navan                              | W-0140-03,                          | Waste skip in compound   | 30 X 20 cuyd RORO             |
| NiCD Batteries           | 16 06 02        | Recycle   | Panda,<br>NCWPO-13-<br>11193-06                 | Panda<br>Beauparc,<br>Navan                              | W-0140-03                           | Keep in stores container for bulk delivery to Panda waste      | Not anticipated but possible  |

| <b>Waste Description</b>             | <b>EWC Code</b> | <b>Waste Re-use / Recycling / Recovery / Disposal</b> | <b>Waste Haulier (Name &amp; Permit Number)</b> | <b>Waste Recycling / Recovery / Disposal Destination</b> | <b>Facility Licence / Permit No</b> | <b>Comments</b>   | <b>Anticipated Quantities</b> |
|--------------------------------------|-----------------|---|---|--|-------------------------------------|---|-------------------------------|
| Readily biodegradable hydraulic oils | 13 01 12        | Disposal  | Panda, NCWPO-13-11193-06                        | Panda Beauparc Navan                                     | W0053-03                            | Store in container for bulk delivery at end of project                | 150L                          |
| Bund oil/water mix                   | 13 05 08        | Disposal  | Panda, NCWPO-13-11193-06                        | Panda Beuparc, Navan                                     |                                     | Drain water and store mix for bulk disposal at the end of the project | 250L                          |
| Paper & Cardboard packaging          | 15 01 01        | recycle   | Greenstar, NCWPO-13-11193-06                    | Panda Cappagh Road                                       | W0053-03                            | Into site skip-secondary segregation                                  | 20 X 20 cuyd RORO             |

| <b>Waste Description</b> | <b>EWC Code</b> | <b>Waste Re-use / Recycling / Recovery / Disposal</b> | <b>Waste Haulier (Name &amp; Permit Number)</b> | <b>Waste Recycling / Recovery / Disposal Destination</b> | <b>Facility Licence / Permit No</b> | <b>Comments</b>                                  | <b>Anticipated Quantities</b>   |
|--------------------------|-----------------|---|---|--|-------------------------------------|--|---|
| Timber Pallets/packaging | 15 01 03        | Reuse-send back to supplier                           | PANDA, NCWPO-13-11193-06                        | Panda Beauparc, Navan                                    |                                     | Waste skips in compound if pallets unusable      | EURO Pallets to be Returned, Delivery pallets to be broken up or returned to subcontractor.<br><br>20 X 20cuyd RORO |
| Concrete and blocks      | 17 01 01        | Disposal for crushing & reuse                         | Panda, NCWPO-13-11193-06                        | Panda Cappagh Road                                       | W0261- 02                           | Waste skip-dispose of as C&D waste               | 10 X 20cuyd RORO  |
| Contaminated Soil        | 17 01 06*       | Disposal  | ENVA Dublin, JFK Ind. Estate, Naas Road ENVA    | ENVA   |                                     | Store in waste receptacle for collection by ENVA | Not anticipated   |

| <b>Waste Description</b>                            | <b>EWC Code</b> | <b>Waste Re-use / Recycling / Recovery / Disposal</b> | <b>Waste Haulier (Name &amp; Permit Number)</b>   | <b>Waste Recycling / Recovery / Disposal Destination</b> | <b>Facility Licence / Permit No</b> | <b>Comments</b>                                 | <b>Anticipated Quantities</b>  |
|---|-----------------|---|---|--|-------------------------------------|---|--|
|   |                 |   | Portlaoise<br>NWCPO 08<br>01116 02  |  |                                     |   |  |
| synthetic engine, gear and lubricating oils         | 13 02<br>06*    | Disposal  | ENVA Dublin,<br>JFK Ind. Estate,<br>Naas Road<br>ENVA<br>Portlaoise<br>NWCPO 08<br>01116 02 | ENVA   | W0196-01<br>W0184-02                | Store in site receptacle for collection by ENVA | Not anticipated but possible- spent waste taken by hire company while servicing off site |
| Soil and Stones (not containing hazardous material) | 17 05 04        | Re-use  | tbc   | tbc  |                                     | Remove off site                                 | 5000 m3 expected, to be hauled off site by groundworks contractor                        |

| <b>Waste Description</b> | <b>EWC Code</b> | <b>Waste Re-use / Recycling / Recovery / Disposal</b> | <b>Waste Haulier (Name &amp; Permit Number)</b> | <b>Waste Recycling / Recovery / Disposal Destination</b> | <b>Facility Licence / Permit No</b>        | <b>Comments</b>  | <b>Anticipated Quantities</b> |
|--------------------------|-----------------|---|---|--|--|--|-------------------------------|
| Gypsum Based Materials   | 17 08 02        | Disposal and reuse                                    | tbc   | tbc  | Gyproc Saint Gobain IED licence P0519 - 03 | Store on site for return to Gypsum supplier                |                               |
| Concrete                 | 17 01 01        | Disposal  | Panda, NCWPO-13-11193-06                        | Panda Cappagh Road                                       | W0261- 02                                  | Store on site for removal by waste contractor as C&D waste |                               |

*Total anticipated quantity for the project of mixed C&D waste is 2966.4t*

## Soil and stone removal contractor on site Details

Ivan Pratt  
Frank Pratt & Sons  
Kilmurray  
Trim  
Co. Meath  
Tel: 046 9567865





# Appendix A

Permitted Waste Types in accordance with the conditions of this permit.

*Please note:* An asterisk on the code denotes that this is a hazardous waste.

**Waste Collection Permit & NWCPO Reference Number: NWCPO-11-06450-03**

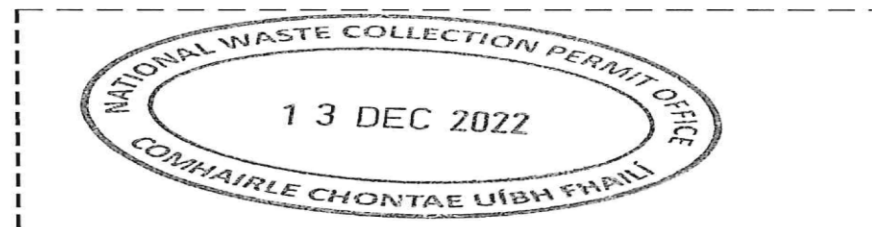
# Appendix D

Local Authority Areas the Permit Holder is permitted to collect in, in accordance with the conditions of this permit.

| Permit & NWCPO Reference Number: NWCPO-11-06450-03 |
|--|
| Local Authority Area                               |
| Carlow County                                      |
| Cavan County                                       |
| Clare County                                       |
| Cork City  |
| Cork County  |
| Donegal County                                     |
| Dublin City  |
| Dun Laoghaire-Rathdown                             |
| Fingal   |
| Galway City  |
| Galway County                                      |
| Kerry County                                       |
| Kildare County                                     |
| Kilkenny County                                    |
| Laois County                                       |
| Leitrim County                                     |
| Limerick City and County                           |
| Longford County                                    |
| Louth County                                       |
| Mayo County  |
| Meath County                                       |
| Monaghan County                                    |
| Offaly County                                      |
| Roscommon County                                   |
| Sligo County                                       |
| South Dublin                                       |



Aras an Chontae, Charleville Road,  
Tullamore, Co. Offaly  
057 9357428 [contactus@nwcpo.ie](mailto:contactus@nwcpo.ie)



An Roinn Iompair



Department of Transport

***Ceadúnas Oibritheora um Iompar Bóthair***  
**ROAD TRANSPORT OPERATOR LICENCE**

---

***Cineál Ceadúnais***

Licence Type

International Road Haulage

***Uimhir Cheadúnais***

Licence Number

110070274

***Ainm an Oibritheora***

Name of Operator

Phoenix Rock Enterprises Ltd.

Table 2:

Panda waste average monthly records

| Date       | Waste Description     | EWC Code | Waste Hauler<br>(Name & Collection Permit No) | Waste Collection Docket No: | Net Weight | Waste Destination<br>(Waste Facility Permit No/Licence No or CoR No) | Container type |
|------------|-----------------------|----------|---|-----------------------------|------------|--|----------------|
| 16/10/2023 | Dry Mixed Recyclables | 200301   | Panda   | RTWD8496190                 | 0.03       | Panda <u>Merrywell</u>   | 1100L Bin      |
| 05/10/2023 | Mixed C&D             | 170904   | Panda   | JTWD121425                  | 2.28       | West Dublin  | 20cy Skip      |
| 05/10/2023 | Mixed C&D             | 170904   | Panda   | JTWS121426                  | 4.38       | West Dublin  | 20cy Skip      |
| 10/10/2023 | Mixed C&D             | 170904   | Panda   | JTWD121774                  | 6.10       | West Dublin  | 20cy Skip      |
| 10/10/2023 | Mixed C&D             | 170904   | Panda   | JTWD121775                  | 3.58       | West Dublin  | 20cy Skip      |
| 10/10/2023 | Mixed C&D             | 170904   | Panda   | JTWD121776                  | 1.66       | West Dublin  | 20cy Skip      |
| 16/10/2023 | Mixed C&D             | 170904   | Panda   | JTWD122284                  | 3.46       | West Dublin  | 20cy Skip      |

|            |                     |        |       |             |      |               |           |
|------------|---------------------|--------|-------|-------------|------|---------------|-----------|
| 16/10/203  | Mixed C&D           | 170904 | Panda | JTWD122285  | 5.34 | West Dublin   | 20cy Skip |
| 16/10/2023 | Mixed C&D           | 170904 | Panda | JTWD122286  | 2.18 | West Dublin   | 20cy Skip |
| 25/10/2023 | Mixed C&D           | 170904 | Panda | JTWD123256  | 6.18 | West Dublin   | 20cy Skip |
| 25/10/2023 | Mixed C&D           | 170904 | Panda | JTWD123257  | 4.88 | West Dublin   | 20cy Skip |
| 05/10/2023 | Mixed C&D Bulky     | 170904 | Panda | JTWD121427  | 3.92 | West Dublin   | 20cy Skip |
| 16/10/2023 | Mixed C&D Bulky     | 170904 | Panda | JTWD122287  | 3.24 | West Dublin   | 20cy Skip |
| 19/10/2023 | Mixed C&D Bulky     | 170904 | Panda | JTWD122649  | 3.76 | West Dublin   | 20cy Skip |
| 19/10/2023 | Mixed C&D Bulky     | 170904 | Panda | JTWD122648  | 4.48 | West Dublin   | 20cy Skip |
| 19/10/2023 | Mixed C&D Bulky     | 170904 | Panda | JTWD122647  | 2.68 | West Dublin   | 20cy Skip |
| 25/10/2023 | Mixed C&D Bulky     | 170904 | Panda | JTWD123258  | 3.60 | West Dublin   | 20cy Skip |
| 03/10/2023 | MSW Municipal Mixed | 200301 | Panda | RTWD8400331 | 0.05 | S.D.C.C Baler | 1100L Bin |

## **10. WASTE MANAGEMENT RESPONSIBILITIES**

Responsibilities in relation to waste management are as follows

### **10.1 The Project Director**

- Responsibility for overseeing waste management practices on site and ensuring that they are managed in an environmentally responsible manner in accordance with current waste management legal and regulatory requirements.

### **10.2 The Project Manager**

- Ensure that all waste management practices are carried out in accordance with waste management legal and regulatory requirements and waste management best practice.
- Prevent waste, insofar as possible, and for those wastes which are generated, achieve maximum recycling recovery of materials.
- Train all staff and contractors working for and on behalf of GEM Construction Ltd in relation to the project specific waste management practices.
- Ensuring that all materials removed off site are fully traceable.
- Retain waste management records as per waste management legal and regulatory requirements and the site-specific waste management plan.
- Inspection of waste management activities on site and initiating actions as required.
- Ensure that an acceptable standard of housekeeping is maintained in the waste area and that there is no evidence of littering.

### **10.3 EHS Dept.**

- Documentation of the Waste Management Plan in consultation with the Project Manager to include, waste management contractor details, waste material details and the subsequent recovery/recycling/re-use/disposal routes.
- Update of the Waste Management Plan as required in consultation with the Project Manager.
  - Inspection of waste management activities on site. Implementing recommendations for improvement and corrective actions where practically possible.

### **10.4 Site Staff & Sub Contractors**

- Ensure that all waste practices on site are carried out as detailed in this Waste Management Plan.

## **11. RECORD KEEPING**

The Project Manager is responsible for the retention of all waste records and associated waste documentation for all material taken off site. This is essential in order to accurately calculate a cost of waste management when works have been completed. In accordance with waste management legal and regulatory requirements, the following waste records will be retained as a minimum;

- Waste material identified by EWC Code.
- Waste recovery/re-use/recycling/disposal route
- Waste haulier names and Collection Permit numbers for all waste materials taken off site
- Waste facility license's/permits
- Waste Dockets (detailing the quantity of material removed)
- Waste Transfer Forms and shipment documentation for all hazardous material taken off site.

## **12. INSPECTIONS**

Inspections will be carried out by the EHS Dept. on a regular basis. The inspection will represent a systematic study of the waste management practices applied to the Project and recommendations for improvements as the project progresses.

- An Audit Report (IF-13) shall be documented following the inspection to detail current waste management activities as well as areas for improvement.

## **13. EMERGENCY CONTACT LIST**

Project Manager- Kieran McCormack- 0862573044

EHS Officer- Maria Dune

QEHS Manager- Eoghan Shortt

South Dublin Co.Co.- During Office Hours- +353 (01) 4149000. , Out of Hours Emergency Number- 01- 4574907

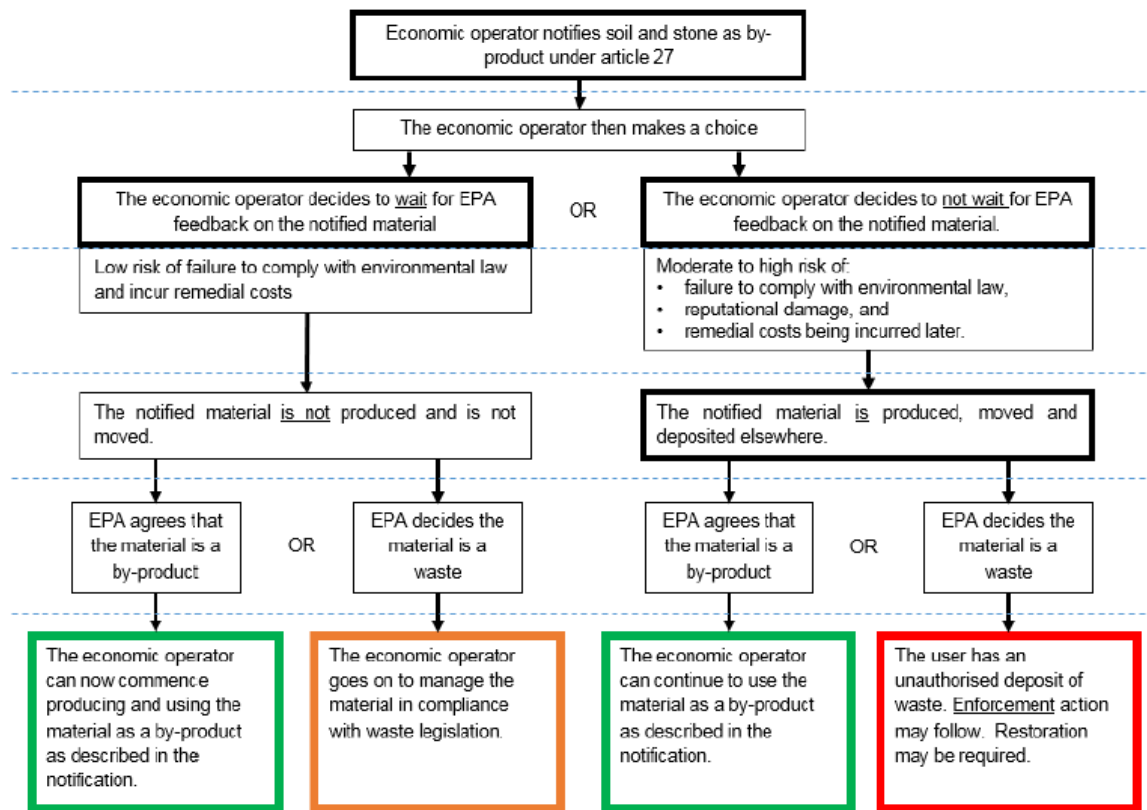
## **14. PROCEDURE FOR THE IMPORTING OR EXPORTING OF SPOIL**

At present there is a requirement to export spoil off the site. When this arises the following procedure will be followed.

### **14.1 Inert or Non-Hazardous Spoil**

- GEM Construction will arrange to have suspected contaminated spoil tested in accordance with WAC (Waste Acceptance Criteria) and EPA criteria to confirm the spoil is inert and non-hazardous
- GEM Construction or the appointed subcontractor shall apply for an Article 27 notification to the EPA.
- The destination for the spoil must have a direct use for the spoil, which has been dealt with in a planning application, and it must not require additional treatment beyond normal industry practice





## 14.2 Hazardous or Contaminated Spoil

- Where the WAC and EPA assessment shows that the spoil is contaminated, the waste spoil shall be disposed of in an licenced facility by a company with appropriate facility permits and waste carrier licences.
- All exportation of contaminated spoil must be carried out in compliance with the appropriate with current legal and regulatory requirements and certification must be retained by GEM Construction.