

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Towens of Weston Limited

Plot 2
Warne Road
Weston Super Mare
BS23 3UU

Variation application number
EPR/EB3636RB/V002

Permit number
EPR/EB3636RB

Plot 2

Permit number EPR/EB3636RB

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation and consolidation of an environmental permit.

This proposal is for a variation to an existing waste facility with an Environmental Permit on Warne Industrial Estate in Weston-Super-Mare.

Towens of Weston Limited (TOW) are an established waste management company which plan to extend their activities to include two new Schedule 1 installation activities, the storage of tar bound road planings and its treatment by solidification/stabilisation alongside the ex-situ bioremediation of hydrocarbon contaminated soil. The two waste activities fall under Section 5.3 Part A(1)(a)(i) and Section 5.3 Part A(1)(a)(vi) of Schedule 1 of the Environmental Permitting Regulations (EPR): "The disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day".

The site at Plot 2 on Warne Industrial Estate is divided into 2 operating areas. The front of the site is the Towens Waste Management operating area which is permitted to handle general waste. The rear of the site is the TOW operating area which handles general construction waste under Standard Rules permit EA/WML/103826.

The operator of the rear site, TOW proposes to vary their existing Standard Rules permit to allow the storage of tar bound road planings and its treatment by solidification/stabilisation alongside the ex-situ bioremediation of hydrocarbon impacted soil.

Solidification/stabilisation

Solidification and stabilisation is where contaminants (in this case tar bound road planings) are fully or partially bound by the addition of supporting media, binders, or other modifiers. Stabilisation is accomplished by mixing the contaminated media with a reagent (depending on the type of contaminant) to minimise the rate of contaminant migration, thereby reducing the toxicity and improving the handling properties of the material. Cement is often used as the binding agent to encapsulate potential contaminants into a solidified matrix.

Tar bound road planings do not have a high leaching potential. However TOW will store the material on impermeable surfacing within a bund. Water within the bund will be tested prior to authorised trade effluent discharge to sewer via a sediment trap and oil interceptor.

Bioremediation

Bioremediation is where microorganisms metabolise hazardous substances resulting in the breakdown, destruction, transformation, immobilisation or degradation of those hazardous substances into less toxic or non-toxic

substances. The microorganisms may be naturally occurring within the contaminated soil matrix or may be added, mixed and blended to the contaminated soil matrix. The process may be enhanced by the addition of nutrient, additional micro-organisms, heat, oxygen and blending with soil improvers.

TOW intend to process hydrocarbon impacted soils (EWC: 17 05 03) on an impermeable surface which will be sealed within a bund and covered during periods of inclement weather preventing the generation of contaminated runoff and leachate. Prior to treatment materials may be screened to remove oversized materials.

These two proposed hazardous waste activities require an Environmental Permit from the Environment Agency. In granting the Environmental Permit for these two activities the Agency has considered the following:

Solidification/stabilisation

- There will be no point sources emissions emitted from this activity.
- Mitigation/control of fugitive emissions from the site. These potentially include: particulates (dust), noise and vibration, odour, spills of liquid, fuels and raw materials, litter and debris, mud tracking off site, pests and vermin.
- The total storage capacity will be: **33,316** tonnes and annual throughput of material for treatment will be no greater than **99,948** tonnes.
- All leachate generated will be collected in the bunded area and tested prior to authorised trade effluent discharge to sewer. Surface water will be collected on site prior to authorised trade effluent discharge to sewer via a sediment trap and oil interceptor.

Bioremediation

- There will be no point sources emissions emitted from this activity.
- Mitigation/control of fugitive emissions from the site. These potentially include: Volatile Organic Compounds (VOCs), particulates (dust), bioaerosols, noise and vibration, odour, spills of liquid, fuels and raw materials, litter and debris, mud tracking off site, pests and vermin.
- The total storage capacity will be: **4,800** tonnes and annual throughput of material for treatment will be no greater than **57,600** tonnes.
- All leachate generated will be collected in the bunded area and tested prior to authorised trade effluent discharge to sewer. Surface water will be collected on site prior to authorised trade effluent discharge to sewer via a sediment trap and oil interceptor.

All emissions on site will be controlled by the use of measures considered to be Best Available Techniques (BAT).

European Sites have been identified at the following distances from the installation: SSSI: Ellenborough Park West 1.5 km west, SAC/SPA: and SSSI Severn Estuary 2.2 km north. An environmental risk assessment has indicated that there are no significant source-pathway-receptor mechanisms for impact from the proposal.

There is also a Waste Operation for the treatment of waste to produce soil, soil substitutes and aggregate (up to 75,000 tonnes). The Waste Operation will be operated in accordance with standard rules set SR2010No12 (up to 75,000 tonnes). The rules form part of this permit pursuant to regulation 27(2) as stated on page 1 of this permit but are not themselves reproduced in this document. Instead, they may be freely downloaded from the Environment Agency website. The rules include provisions detailing, for example, the activities that may be conducted by the Waste Operation and the types of waste it may accept. Consequently, the conditions and tables detailed in this document relate only to the activities conducted by the Installation as detailed in table S1.1.

The status log of the permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application EPR/EB3636RB	19/01/2012	Standard Rules Permit SR2010No12 application for the treatment of waste to produce soil, soil substitutes and aggregate (up to 75,000 tonnes).
Application EPR/EB3636RB	Duly Made 24/01/2012	
Application determined EPR/EB3636RB	30/01/2012	Permit issued to Towns of Weston Limited
Variation application EPR/EB3636RB/V002	30/01/2013	Application for the addition of two hazardous waste treatment activities.
Additional information requested	Request dated 19/03/2013	Responses dated 26/03/2013: Site plan and site layout, Waste tonnages, EWC codes, Updated application forms Part C4 and Disposal and Recovery codes.
Additional information received	Request dated 28/03/2013	Responses dated 10/04/2013 and 16/04/2013: Wessex Water agreement to changes in waste operations and VOCs monitoring procedures.
Variation application EPR/EB3636RB/V002	Duly Made 16/04/2013	
Variation determined EPR/EB3636RB/V002	08/07/2013	Varied Permit issued to Towns of Weston Limited

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

permit number
EPR/EB3636RB

issued to
Towens of Weston Ltd ("the operator")

whose registered office is

Plot 2
Warne Road
Weston Super Mare
BS23 3UU

company registration number **04319664**

to operate a regulated facility at

Plot 2
Warne Road
Weston Super Mare
BS23 3UU

to the extent set out in the schedules.

The notice shall take effect from 08/07/2013

Name	Date
C G Morris	08/07/2013

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/EB3636RB

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

Towens of Weston Limited (“the operator”),
whose registered office is

Plot 2
Warne Road
Weston Super Mare
BS23 3UU

company registration number **04319664**
to operate an installation at

Plot 2
Warne Road
Weston Super Mare
BS23 3UU

to the extent authorised by and subject to the conditions of this permit.

Under regulation 27(2) of the Regulations, standard rules **SR2010 No 12** are conditions of this permit.

Name	Date
C G Morris	08/07/2013

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Energy efficiency

- 1.2.1 For the following activities referenced in schedule 1, table S1.1 (A1 to A8) the operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

- 1.3.1 For the following activities referenced in schedule 1, table S1.1 (A1 to A8) the operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
 - (b) maintain records of raw materials and water used in the activities;
 - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
 - (d) take any further appropriate measures identified by a review.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

- 1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- (b) If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 tables S2.1, S2.2, S2.3 and S2.4;
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.3 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

Hazardous waste storage and treatment

- 2.3.6 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

2.4 Improvement programme

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

2.5 Pre-operational conditions

- 2.5.2 The operations specified in schedule 1 table S1.4 shall not commence until the measures specified in that table have been completed.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 table S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.
- 3.2.4 For the following activities referenced in schedule 1, table S1.1 (A1 to A8) periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:

- (a) surface water or groundwater specified in table S3.1;
- (b) ambient air monitoring specified in table S3.2;

3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.6 Pests

3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

3.6.2 The operator shall:

- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 For the following activities referenced in schedule 1, table S1.1 (A1 to A8) a report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
 - (b) the annual production /treatment data set out in schedule 4 table S4.2; and
 - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

- 4.3.1. For the following activities referenced in schedule 1, table S1.1 (A1 to A8).
- (a) In the event that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
 - (b) in the event of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and

- (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
 - (c) in the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.4 For the following activities referenced in schedule 1, table S1.1 (A1 to A8). The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

 - (a) any change in the operator's trading name, registered name or registered office address; and
 - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

 - (a) any change in the operator's name or address; and
 - (b) any steps taken with a view to the dissolution of the operator

In any other case:

 - (a) the death of any of the named operators (where the operator consists of more than one named individual)
 - (b) any change in the operator's name(s) or address(es); and
 - (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.
- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
 - (a) the Environment Agency shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.
- 4.3.6 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:
 - (a) a decision by the Secretary of State not to re-certify the agreement;
 - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and

- (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made “without delay”, in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
A1 Ex-situ bioremediation	S5.3 A(1)(a)(i)	D8: Biological treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D01 to D 12	<p>Biological treatment of hazardous contaminated wastes by ex-situ bioremediation.</p> <p>Pre-treatment operations including bulking, sorting, segregation, screening, shredding, particle size reduction and/or particle separation in order to facilitate remedial action.</p> <p>Treatment of all hazardous wastes shall be carried out on an impermeable pavement with sealed drainage.</p> <p>Treatment shall not include blending or mixing of hazardous wastes or hazardous wastes with non-hazardous wastes.</p> <p>Storage by bioremediation shall not exceed 4,800 tonnes per day.</p> <p>Treatment by bioremediation shall not exceed 57,600 tonnes per annum.</p> <p>Waste types as specified in table S2.1 .</p> <p>Notwithstanding the waste types permitted in table S2.1 wastes which have any of the following characteristics shall not be accepted for the bioremediation process:</p> <ul style="list-style-type: none"> - waste with hazardous properties due to presence of heavy metals on their own - waste comprised or contaminated with asbestos - liquid waste

Table S1.1 activities

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
A2 Stabilisation/ Solidification	S5.3 A(1)(a)(vi)	R5: Recycling/ reclamation of inorganic materials other than metals and metal compounds;	<p>Treatment of hazardous contaminated wastes by means of stabilisation/solidification.</p> <p>Pre-treatment operations including bulking, sorting, segregation, screening, shredding, particle size reduction and/or particle separation in order to facilitate remedial action.</p> <p>Treatment of all hazardous wastes shall be carried out on an impermeable pavement with sealed drainage.</p> <p>Storage by stabilisation/ solidification shall not exceed 33,316 tonnes per day.</p> <p>Treatment by stabilisation/ solidification shall not exceed 99,948 tonnes per annum.</p> <p>Waste types as specified in Table S2.2.</p> <p>Notwithstanding the waste types permitted in table S2.2 wastes which have any of the following characteristics shall not be accepted for the stabilisation/solidification process:</p> <ul style="list-style-type: none"> - liquid waste - waste comprised or contaminated with asbestos

Table S1.1 activities

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
<p>A3 Ex-situ bioremediation</p>	<p>S5.4 A(1)(a) (i)</p>	<p>D8: Biological treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D01 to D 12</p>	<p>Treatment of non - hazardous contaminated wastes by means of ex-situ bioremediation.</p> <p>Treatment operations including bulking, sorting, segregation, screening, shredding, particle size reduction and/or particle separation in order to facilitate remedial action.</p> <p>Treatment of all non- hazardous wastes shall be carried out on an impermeable pavement with sealed drainage.</p> <p>Storage by bioremediation shall not exceed 4,800 tonnes per day.</p> <p>Treatment by bioremediation shall not exceed 57,600 tonnes per annum.</p> <p>Waste types as specified in Table S2.3.</p> <p>Notwithstanding the waste types permitted in table 2.3 wastes which have any of the following characteristics shall not be accepted for the physico-chemical process:</p> <ul style="list-style-type: none"> - waste comprised or contaminated with asbestos - wastes comprised solely or mainly of dusts or powders - wastes which are odour producing or likely to be odourous

Table S1.1 activities

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
A4 Storage of hazardous waste	S5.6 A(1) (a)	<p>R13: Storage of waste pending any of the operations numbered R01 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>D15: Storage pending any of the operations numbered D01 to D14 (excluding temporary storage, pending collection, on the site where it is produced)</p>	Storage of all hazardous wastes shall be carried out on an impermeable pavement with sealed drainage.
Directly Associated Activity			
A5	Raw materials	Storage of raw materials (stabilisation, binding and chemical agents)	From receipt of raw materials in the storage area to removal from the storage area
A6	Fuel storage	Storage of fuel for operation of plant and equipment.	Fuel storage tank
A7	Water discharges to sewer	Discharge of site drainage from the installation	From surface water management system to point of entry to sewer

Table S1.1 activities

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
	Description of activities for waste operations	Limit of activities	
A8	<p><u>Treatment of non-hazardous contaminated wastes</u></p> <p>R5: Recycling/ reclamation of other inorganic materials other than metals or metal compounds</p> <p>R13: Storage of waste pending any of the operations numbered R01 to R12 (excluding the temporary storage, pending collection, on the site where it is produced)</p>	<p>Treatment of non-hazardous contaminated wastes for recovery consisting only of:</p> <ul style="list-style-type: none"> - solidification – with suitable product (no waste solidifiers to be used) - stabilisation – with suitable product (no waste stabilisers to be used) - pre-treatment operations including bulking, sorting, screening, shredding, particle size reduction and/or particle separation in order to facilitate remedial action. <p>Treatment of all non- hazardous wastes shall be carried out on an impermeable pavement with sealed drainage.</p> <p>Storage of all non- hazardous wastes shall be carried out on an impermeable pavement with sealed drainage, unless otherwise agreed in writing with the Environment Agency as set out in the pre-operational condition PO2 of Table S1.4.</p> <p>Waste types as specified in Table S2.4.</p> <p>Notwithstanding the waste types permitted in table 2.4 wastes which have any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> - waste comprised or contaminated with asbestos - wastes comprised solely or mainly of dusts or powders - wastes which are odour producing or likely to be odorous 	

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	Application forms Part C1, C2 and C4 and supporting information: Non-Technical Summary (TOW.NTS.PV.001), (Environmental Risk Assessment & Site Condition (TOW.ERA.PV02), Operational Techniques and Monitoring Plan (TOW.OT&MP.PV.003), Figures 1 and 2.	30/01/2013
Additional information	<ul style="list-style-type: none"> - Site plan and site layout - Waste tonnages - EWC codes - Updated application forms Part C4 - Disposal and Recovery codes 	26/03/2013
Additional information	<ul style="list-style-type: none"> - Wessex Water agreement to changes in waste operations 	10/04/2013

Table S1.2 Operating techniques

Description	Parts	Date Received
Additional information	- VOC monitoring operational techniques	16/04/2013
Response to Schedule 5 Notice dated 29/05/2013	Response to question 1- 30 relating to Pre-Acceptance, Acceptance, Waste Storage, Treatment, Environmental Management Systems, Water Use and Energy Consumption and VOC monitoring.	12/06/2013

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
1	<p>The Operator shall develop and implement a monitoring programme for the process effluent released to sewer following the relevant requirements set in Section 2.2.2 of the Agency's Sector Guidance Note for the Guidance for the Recovery and Disposal of Hazardous and Non Hazardous Waste, December 2004 (IPPC S5.06). The monitoring programme and associated methodologies shall be agreed in writing with the Agency having regard to the Agency M18 Guidance Note: Monitoring of discharges to water and sewer.</p> <p>The Operator shall submit the collected monitoring data in writing to the Agency according to agreed reporting periods. The Agency shall use the collected monitoring data to set ELVs for effluent parameters where it is deemed to be appropriate or accept the existing authorised discharge consent to sewer as satisfactory environmental control.</p>	<p>Within 3 months from permit issue</p> <p>Within 12 months of permit issue</p>
2	<p>The Operator shall undertake a review of the Installations pollution prevention measures to ensure that the risk to surface water and groundwater from fugitive emissions is minimised. The review will include a survey of the surface water drainage system, including in particular the drains that serve primary treatment and storage areas. A written report shall be provided to the Agency giving the following details:</p> <ul style="list-style-type: none"> • an appraisal of the pollution preventions measures currently in place; • the drainage survey methodology and the integrity of the drainage system; • a description of any deficiencies identified; • the improvements proposed and the time scale for implementation; and • any temporary measures necessary to control existing pollution risks until such time as permanent improvements are in place. 	Within 12 months from permit issue
3	The Operator must appoint a technically competent person to direct activities on the site following the 'How to comply with your environmental permit' and 'Regulatory Guidance Series, No.5 - Operator Competence'. The Operator must provide the appropriate level of competence for a 'high risk operation' in order to demonstrate technical competence as agreed in writing with the Environment Agency.	Within 3 months from permit issue

Table S1.4 Pre-operational measures for future development

Reference	Operation	Pre-operational measures
1	Storage and treatment of hazardous and non-hazardous waste in the 'secondary storage and treatment area', 'tertiary storage area' and 'quaternary storage area' as shown on the site plan submitted with the additional information on 25 th March 2013, ref. Figure 2.	<p>The operator shall submit to the Environment Agency detailed construction designs and the CQA plans for the planned site development including but not limited to:</p> <ul style="list-style-type: none">- details of the impermeable pavement with sealed drainage <p>in order to confirm the required infrastructure is in place for the hazardous waste storage and treatment activities to take place in the 'secondary storage and treatment area', 'tertiary storage area' and 'quaternary storage area'.</p> <p>The waste shall not be stored and/or treated in the 'secondary storage and treatment area', 'tertiary storage area' and 'quaternary storage area' until the Environment Agency has approved the details in writing.</p>

Schedule 2 - Waste types

Table S2.1 Permitted waste types and quantities for activities A1 - Bioremediation

Maximum quantity	Total annual throughput for the site shall not exceed 160,000 tonnes per annum. Total storage capacity for all activities (A1-A8) at any one time shall not exceed 38,000 tonnes.
Waste code	Description
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	soil and stones containing dangerous substances
17 05 05*	dredging spoil containing dangerous substances
17 05 07*	track ballast containing dangerous substances

Table S2.2 Permitted waste types and quantities for activities A2 – Stabilisation/Solidification

Maximum quantity	Total annual throughput for the site shall not exceed 160,000 tonnes per annum. Total storage capacity for all activities (A1-A8) at any one time shall not exceed 38,000 tonnes.
Waste code	Description
17 03	bituminous mixtures, coal tar and tarred products
17 03 01*	bituminous mixtures containing coal tar

Table S2.3 Permitted waste types and quantities for activities A3 – Treatment of non-hazardous contaminated wastes by means of biological treatment.

Maximum quantity	Total annual throughput for the site shall not exceed 160,000 tonnes per annum. Total storage capacity for all activities (A1-A8) at any one time shall not exceed 38,000 tonnes.
Waste code	Description
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05

Table S2.4 Permitted waste types and quantities for activities A8 – Physical treatment of non-hazardous waste for disposal or recovery

Maximum quantity	Total annual throughput for the site shall not exceed 160,000 tonnes per annum. Total storage capacity for all activities (A1-A8) at any one time shall not exceed 38,000 tonnes.
Waste code	Description
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 on site plan in schedule 7 emission to Wessex Water Warne Road, Weston-Super-Mare, Sewage Treatment Works ¹	-	No limit set	--	--	--	No limit set
¹ See Improvement Programme Requirements 1 and 2.						

Table S3.2 Ambient air monitoring requirements

Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Installation site boundary on site plan in schedule 7	Volatile Organic Compounds (VOCs)	Weekly ¹	HSE EH40/2005 'Workplace Exposure limits for benzene'	Use Photon Ionisation Detector (PID) to monitor VOC levels downwind of the processing area.
¹ Weekly monitoring unless olfactory monitoring triggers an elevated monitoring frequency.				

Schedule 4 - Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Surface water monitoring Parameters as required by condition 3.5.1 ¹	S1	--	--
Ambient air monitoring Parameters as required by condition 3.5.2.	Installation site boundary on site plan in schedule 7	—	—
¹ See Improvement Programme Requirements 1 and 2.			

Table S4.2: Annual production/treatment	
Parameter	Units
Bioremediation treatment	tonnes
Stabilisation/ Solidification	tonnes
Hazardous waste IN	tonnes
Hazardous waste OUT	tonnes
Waste recycled	tonnes
Waste disposed	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	08/07/2013
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	08/07/2013
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	08/07/2013

Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution

To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit

To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B - to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

** authorised to sign on behalf of the operator*

Schedule 6 - Interpretation

“Annex I” means Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Annex II” means Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“best available treatment, recovery and recycling techniques” shall have the meaning given to it in the document published jointly by the Department for Environment, Food and Rural Affairs, the Welsh Assembly Government and the Scottish Executive on 27th November 2006, entitled “Guidance on Best Available Treatment, Recovery and Recycling Techniques (BATRRT) and Treatment of Waste Electrical and Electronic Equipment (WEEE);

“building” means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

“D” means a disposal operation provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“hazardous property” has the meaning given in Schedule 3 of the Hazardous Waste (England and Wales) Regulations 2005 No.894 and the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138).

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

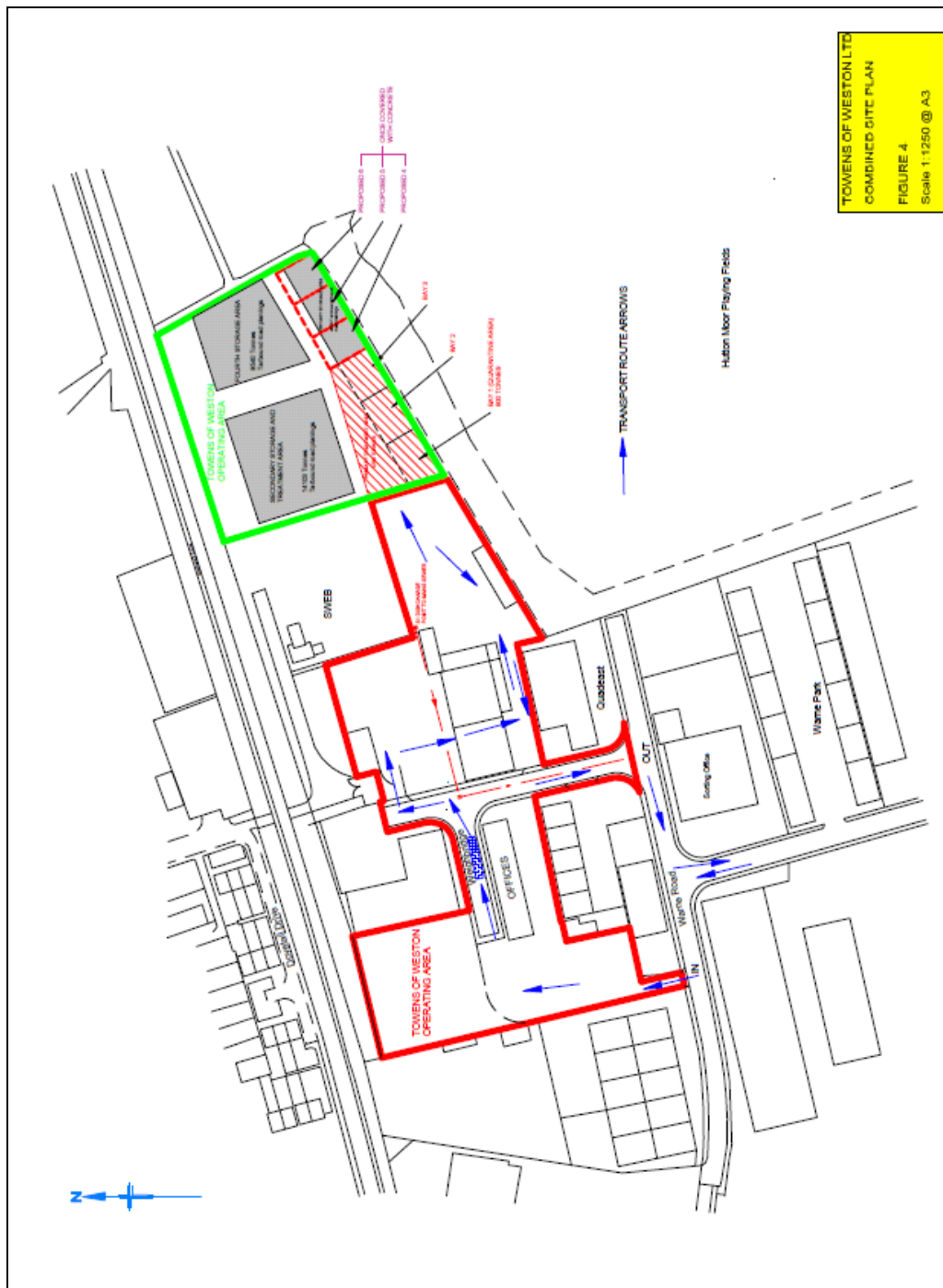
“R” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

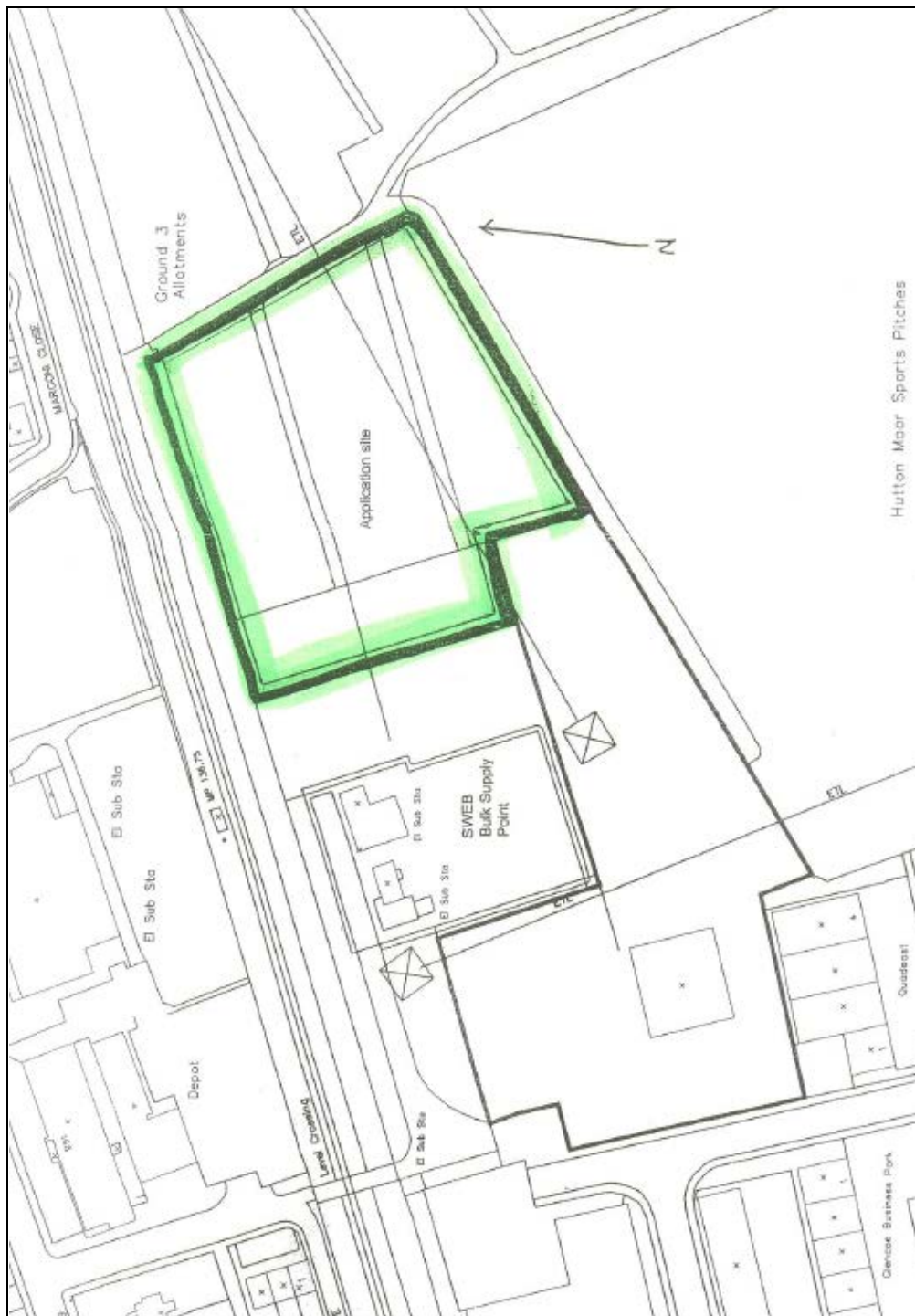
“Waste Framework Directive” or *“WFD”* means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

“year” means calendar year ending 31 December.

Schedule 7 - Site plan



This is the plan referred to in the standard rules SR2010 No12.



END OF PERMIT