Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Council of the Isles of Scilly

Porthmellon Waste Management Site
1 Porth Mellon
St Mary's
Isle of Scilly
TR21 0JY

Variation application number

EPR/TP3732SE/V002

Permit number

EPR/TP3732SE

Porthmellon Waste Management Site
Permit number EPR/TP3732SE

Introductory note

This introductory note does not form a part of the notice.

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

The permitted installation consists of an incineration plant with a capacity of less than 1 tonne per hour of non-hazardous waste. In addition to the incinerator, the Portmellon Waste Management Site also includes an existing waste transfer station and recycling facility and the council waste collection depot which do not form part of the permit.

This variation permits the inclusion of a fragmenter as a directly associated activity to the existing installation. The fragmenter will be located within the confines of the existing Porthmellon Waste Management Site, and the current permit boundary will be extended to incorporate the additional operational area. The fragmenter will consist of the following plant and equipment:

- an excavator and grab, for pre-sorting and feeding of waste into the shredder/crusher;
- a shredder/crusher to reduce the volume of bulky wastes; and
- a ferrous metal removal system to remove metals for recovery post shredding.

The fragmenter will facilitate the size reduction of stockpiled bulky waste and other bulky waste received at the site, and to enable metals and inert materials to be recovered prior to the incineration of the combustible fraction.

The Schedules specify the changes made to the original permit.

Schedule 1 of the notice lists any conditions that have been deleted, Schedule 2 of the notice lists any amended conditions and Schedule 3 of the notice lists any conditions that have been added.

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

Status Log of permit		
Detail	**Date**	**Response Date**
Application TP3732SE	Received 31/03/05	
Response to request for information	Request dated 12/07/05	Response dated 17/08/05 and 21/10/05
Permit TP3732SE	Issued 14/11/05	

Variation application TP3732SE/V002	Duly Made 10/03/11	
Variation TP3732SE/V002	Issued 01/06/2011	

End of Introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/TP3732SE

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

Council of the Isles of Scilly ("the operator")

whose registered office is

Town Hall
St Mary's
Isles of Scilly
TR21 0LW

to operate a regulated facility at

Porthmellon Waste Management Site
1 Porth Mellon
St Mary's
Isles of Scilly
TR21 0JY

to the extent set out in the schedules.

The notice shall take effect from 01/06/2011

Name	Date
Malcolm Best	**01/06/2011**

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as a result of the application made by the operator

1.1.1 The Operator is authorised to carry out the activities and the associated activities specified in Table 1.1.1.

Table 1.1.1 - Permitted Activities		
Activity listed in Schedule 1 of the PPC Regulations or Directly-Associated Activity	**Description of specified activity**	**Limits of specified activity**
Section 5.1A(2)(a) : Incineration of non-hazardous waste in an incineration plant with a capacity of <1 tonne/hour.	Incineration of municipal waste.	Incineration line, waste reception, storage, waste fuel and air supply systems, facilities for the treatment of exhaust gases, on site facilities for storage of residues and waste water, stack, devices and systems for controlling incineration operations, recording and monitoring incineration conditions
Directly associated activity	Collection and disposal of uncontaminated surface water	Collection of surface run off and discharge to soakaways WL1 to WL4
Directly associated activity	Fragmenter - Size reduction of stockpiled waste and other bulky waste received at the site.	Manual and mechanical sorting, separation, screening, crushing and shredding of bulky waste.

1.4.1 The Operator shall complete the improvements specified in Table 1.4.1 by the date specified in that table, and shall send written notification of the date of completion of each requirement to the Agency within 14 days of the completion of each such requirement.

Table 1.4.1: Improvement programme		
Reference	**Requirement**	**Date**
IP1	The Operator shall have in place procedures / work instructions to ensure the operation of the incinerator plant meets with BAT. These shall include but are not limited to • Start up and shut down of the incinerator • Operation of continuous emissions monitors • Recording and reporting of emission monitoring data • Operation of abatement equipment • Preventative maintenance system for incineration plant. Written notification that procedures / work instructions are	Notification to be submitted by 27/12/05

	in place shall be sent to the Agency.	
IP2	The Operator shall ensure that the waste feed to the combustion chamber complies with Article 6(3) of WID. A report shall be submitted to and approved by the Agency.	Report to be submitted by 27/12/05
IP3	The Operator shall install and commission continuous emissions monitors at release point A1 for total organic carbon (TOC), nitrogen oxides (NOx), sulphur dioxide (SO_2) and hydrogen chloride (HCl). The commissioning shall also include the peripheral parameters temperature, pressure, moisture content and O_2 that are required to be continuously monitored. The Operator shall notify the Agency once these instruments are installed and forward copies of the MCERTS certificates and any commissioning reports.	Notification, certificates and report to be submitted by 27/12/05
IP4	The Operator shall install a data logger and reporting system in order to achieve the reporting requirements given in Schedule 3 of this permit. The Operator shall notify the Agency on completion of the above.	Notification to be submitted by 27/12/05
IP5	The Operator shall submit a report that validates the residence time and the temperature of gases within the secondary chamber whilst operating at unfavourable conditions.	Report to be submitted by 27/12/05
IP6	The Operator shall submit written proposals to the Agency to install permanent measures to ensure containment of contaminated water generated within the Installation, to prevent any potential discharge to the soakaways WL1 to WL4. The proposals shall address the following areas • Containment of bottom ash • Containment of APC residue • Containment of the bottom ash quench tank • The movement of bottom ash within the Installation • The potential release of leachate from waste deposited on the hardstanding prior to being moved into the waste reception pit • Oily residues on the hardstanding from vehicle movements within the Installation. The proposals shall include a timetable for improvements. On receipt of written agreement by the Agency to the timetable, the Operator shall carry out the required improvments and submit a report on their completion.	Proposals to be submitted by 27/12/05 A final report of the improvements undertaken shall be submitted to the Agency within 2 months of completion of the timetable.
IP7	The Operator shall submit a written Accident Plan that shall have regard to Chapter 20 of the Secretary of States Guidance – 'General Guidance Manual on Policy and procedures for A2 and B installations'.	Plan to be submitted by 01/06/06
IP8	The Operator shall develop a written Site Closure plan that shall have regard to Chapter 18, 'Closure' of the	Summary to be submitted by 01/06/06

	Secretary of States Guidance – 'General Guidance Manual on Policy and procedures for A2 and B installations'. On completion of the plan, a summary shall be submitted to the Agency in writing.	
IP9	The Operator shall submit a written report that shall be approved by the Agency and addresses the following points • assess the ability of the abatement system to control HCl emissions • reports the periodic monitoring result for HF • confirms whether Article 11(4) of WID is satisfied.	Report to be submitted by 01/06/06
IP10	The Operator shall sample the duct gases at A1 for dioxins and furans on four separate occasions during a 12 month period, the first determination of which is to be completed within 3 months of the issue of this permit. Sampling will be spread evenly throughout this 12-month period. The method used shall be as given in Table 2.2.2 for dioxins and furans and reporting of the concentration shall have regard to the toxic equivalence concentration for I-TEQ and WHO-TEQ, as given in condition 6.1.5. The bi-annual sampling of dioxins and furans as required in Table 2.2.2 will form two of the samples required in this condition. Each analytical report shall be submitted within 6 weeks of completion of sampling.	Sampling to be completed by 01/11/06
IP11	The Operator shall calibrate and verify the performance of Continuous Emission Monitors for release points and parameters as specified in Table 2.2.2 to BS EN 14181 and submit a summary report to the Environment Agency as evidence of compliance with the requirements of BS EN 14181.	Report to be submitted to the Agency by 28/12/06.
IP12	The Operator shall assess options to recycle bottom ash in preference to disposal. The findings of the assessment shall be submitted in writing and approved by the Agency.	01/01/07
IP13	The Operator shall have an environment management system (EMS) in place. This shall have regard to Chapter 11 of the Secretary of States guidance – 'General Guidance Manual on Policy and procedures for A2 and B installations'. Written notification that an EMS is in place shall be submitted to the Agency.	Notification to be submitted by 01/12/07
IP14	The Operator shall replace any continuous emissions monitor that does not meet with the requirements of QAL2 given in BS EN 14181.	28/12/07
IP15	The Operator shall submit a written proposal to the Agency to install permanent drainage measures to ensure containment of contaminated water generated by the fragmenter operation. The proposals shall address, as a minimum, oily residues on the hardstanding from vehicle movements and the fragmenter plant. The proposals shall include a timetable for improvements. On receipt of written agreement by the Agency to the timetable, the Operator shall carry out the required	30/09/2011

	improvements and submit a report on their completion	
IP16	The Operator shall review and update the Site Protection and Monitoring Programme generated in compliance with permit condition 4.1.8, and the site environment management to include the fragmenter operations.	30/09/2011

2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency in accordance with conditions 1.5.1 and 1.5.2 of this Permit.

Table 2.1.1: Operating techniques

Description	Parts	Date Received
Application	The response to questions 2.1 and 2.2 given in pages 7 to 29 of the Application	31/03/05
Further information	The response to the schedule 4 notice given in points 1 to 7, 9, 10, 13 to 15, 17, 19, 20, 24 and 26.	17/08/05
Specific information	• the incineration capacity (B2.1.14) • description of each waste type (mass flow, CV & composition) (B2.1.14) • the waste feed cessation system (B2.1.8) • start-up and shut-down (B2.10.5) • temperature monitoring in the combustion chamber (B2.1.7) • temperature, oxygen, water vapour and pressure at Air Release sampling points (B2.10.14) • for incinerators, alternative arrangements for CO, TOC and dust monitoring to make use of the relevant abnormal operation condition during CEM failure (B2.10.6)	• 31/03/05 • 31/03/05 • 31/03/05 • 31/03/05 • 31/03/05 • 31/03/05 • 31/03/05
Variation application TP3732SE/V002	Document Ref: 416-03263-00002/OT Fragmenter operating techniques and management plan.	01/03/2011
Variation application TP3732SE/V002	Document Ref: 416-03263-00002/H1 H1 Environmental Risk Assessment of odour, noise, fugitive emission and accident management plans	01/03/2011

Schedule 3 – conditions to be added

The following condition is added as a result of the application made by the operator

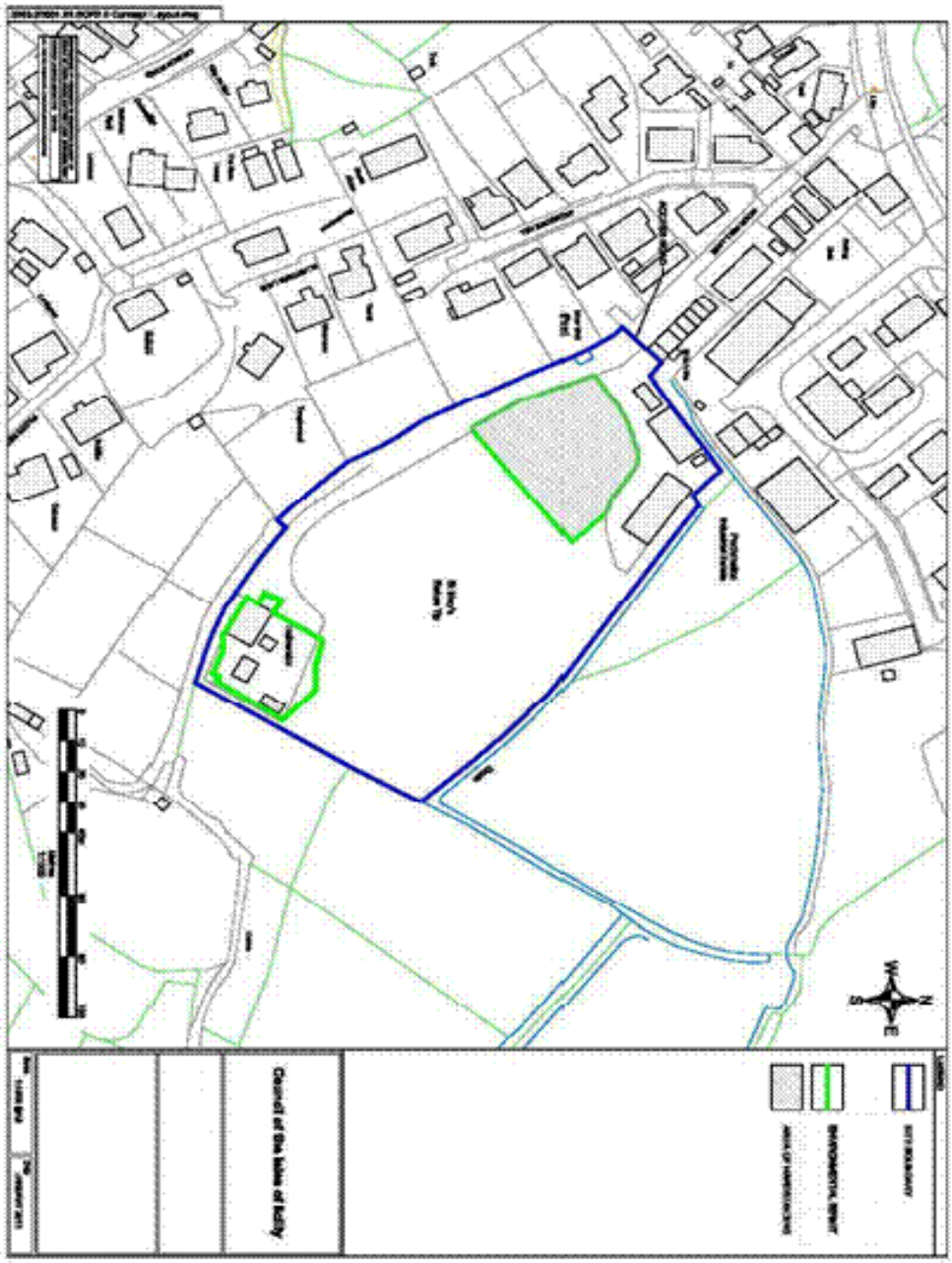
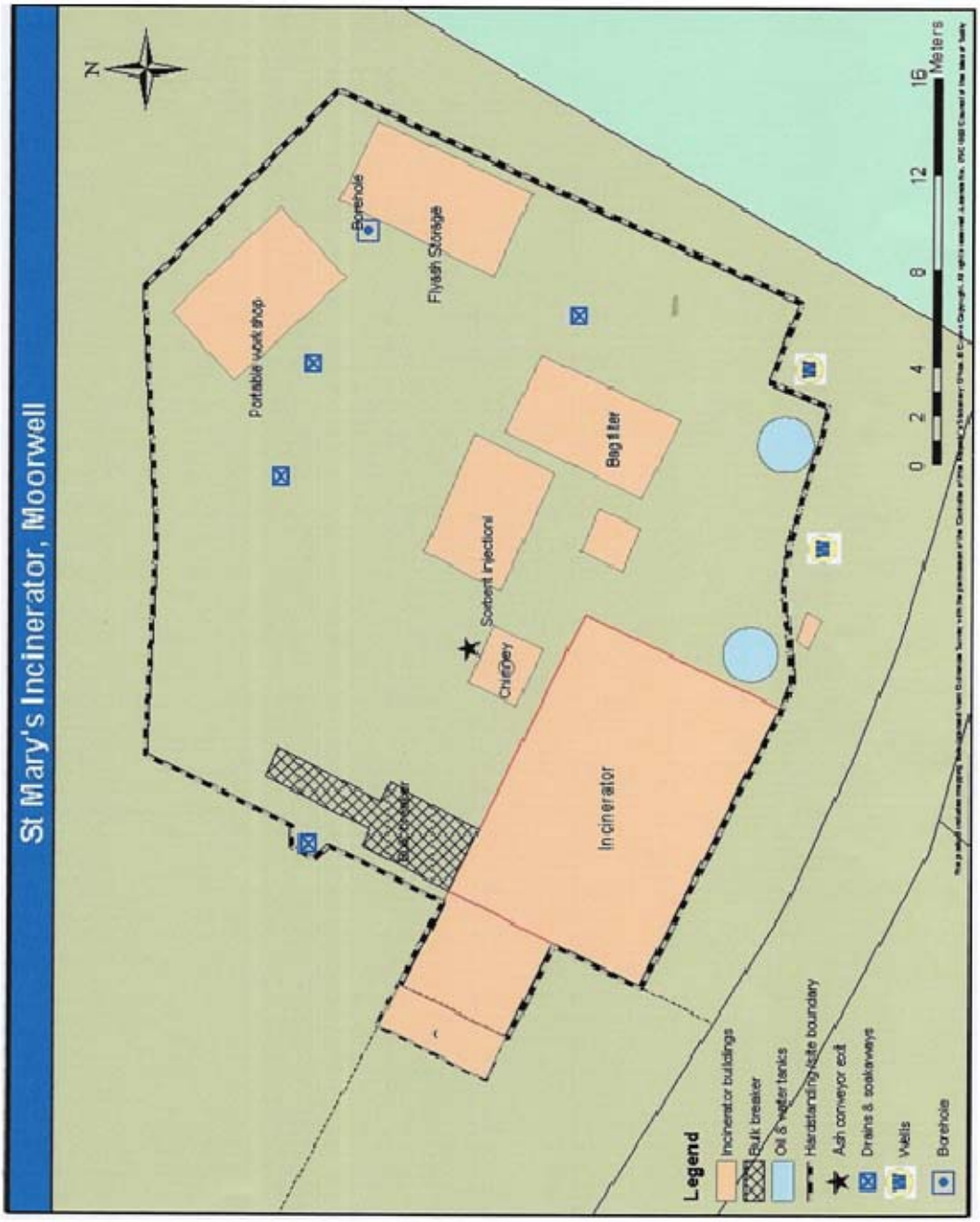
1.6.1 The activities shall not be brought into operation until the measures specified in Table 1.6.1 have been completed.

Table 1.6.1 Pre-operational measures	
Reference	**Pre-operational measures**
1	At least 2 weeks before operation of the fragmenter process the operator shall submit a brief report to the Agency demonstrating that the necessary procedures are in place for the operation of the fragmenter plant and that staff have received the necessary training.

Schedule 4 – amended plan

Amended plans attached

Installation boundary for the incineration plant and extension for fragmenter operations (green line)



Emission points and further details for the incinerator operation