

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

SSE Mineral Solutions Limited

Widnes Site
Widnes Road
Cuerdley
Warrington
WA5 2UT

Variation application number

EPR/BP3698SZ/V003

Permit number

EPR/BP3698SZ

Widnes Site

Permit number EPR/BP3698SZ

Introductory note

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

Under the Environmental Permitting (England & Wales) Regulations 2010 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. All the conditions of the permit have been varied and are subject to the right of appeal.

The Industrial Emissions Directive (IED) was transposed in England and Wales by the Environmental Permitting (England and Wales)(Amendment) Regulations 2013 on 27 February 2013. This variation implements the changes brought about by the IED for “existing facilities operating newly prescribed activities” and completes the transition of this facility from a waste operation to an IED Installation.

The facility is designed to receive fresh Pulverised Fuel Ash (PFA) from the adjoining Fiddler’s Ferry Power Station or PFA reclaimed from an existing permitted landfill site. The facility is designed to treat for recovery a nominal 100 tonnes per hour of PFA, an annual throughput of 800,000 tonnes when in full production. The treated ash product will be used in the concrete and cement manufacturing industry.

Water is required during treatment to ensure process operations are not compromised, flotation reagents are added to the water to aid the treatment process. Prior to discharge the excess process water will be passed through a Class 1 oil separator containing a silt trap and a surface water sump. The surface water will also pass through the separator before being pumped to the Fiddler’s Ferry Power Station Purge Sump from where it will be pumped to lagoons. From the lagoons the process and surface water will be discharged to the river Mersey in accordance with the Fiddler’s Ferry Power Station Environmental Permit.

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	Date	Comments
Application received EPR/BP3698SZ/A001	Duly made 03/07/08	Application to treat for recovery Pulverised Fuel Ash
Permit determined (EAWML 100583) EPR/BP3698SZ	30/01/09	Permit issued to RockTron (Widnes) Limited
Variation application EPR/BP3698SZ	Duly made 01/11/10	Received notification of change of company and registered office address
Variation determined EPR/BP3698SZ	08/11/10	Company name changed to SSE Mineral Solutions Limited
Variation application EPR/BP3698SZ/V002	Duly made 11/08/11	Application to add a point source emission to water
Variation determined EPR/BP3698SZ/V002	09/02/12	Varied permit issued

Status log of the permit		
Description	Date	Comments
IED Variation application EPR/BP3698SZ/V003	Duly made 02/10/14	Application to vary and update the permit to IED conditions.
IED Administrative variation determined EPR/BP3698SZ/V003 (Billing ref: KP3836WD)	26/11/15	

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/BP3698SZ

Issued to

SSE Mineral Solutions Limited (“the operator”)

whose registered office is

**55 Vastern Road
Reading
Berkshire
England
RG1 8BU**

company registration number 04146274

to operate a regulated facility at

**Widnes Site
Widnes Road
Cuerdley
Warrington
WA5 2UT**

to the extent set out in the schedules.

The notice shall take effect from 26/11/2015

Name	Date
Rebecca Warren	26/11/2015

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/BP3698SZ

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BP3698SZ/V003 authorising,

SSE Mineral Solutions Limited (“the operator”),

whose registered office is

**55 Vastern Road
Reading
Berkshire
England
RG1 8BU**

company registration number 04146274

to operate an installation at

**Widnes Site
Widnes Road
Cuerdley
Warrington
WA5 2UT**

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

Name	Date
Rebecca Warren	26/11/2015

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 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 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 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.
- 2.3.2 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 or other documentation ("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.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table S2.2;
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.5 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.
- 2.3.6 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.

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.

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 tables S3.1 and S3.2..
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 The limit for any of the relevant parameters set out in tables S3.1 and 3.2 may be exceeded where: in a series of samples of the discharge taken at regular but randomised intervals in a period of 12 consecutive months as listed in table S3.3, no more than the relevant number of samples, as listed in column 2 of table S3.3, exceed the applicable limit for that relevant parameter.
- 3.1.4 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.

3.2 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.

3.3 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) point source emissions specified in tables S3.1 and 3.2.
- 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.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 and 3.2 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 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 In the event:
- (a) 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) 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) 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.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 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:
- (c) any change in the operator's name or address; and
 - (d) any steps taken with a view to the dissolution of the operator.
- In any other case:
- (e) the death of any of the named operators (where the operator consists of more than one named individual);
 - (f) any change in the operator's name(s) or address(es); and
 - (g) 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 "immediately", 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	S5.4 A(1) (b) (iii) Recovery or a mix of recovery and disposal of non hazardous waste with a capacity exceeding 75 tonnes per day involving treatment of slags and ashes.	R4: Recycling/reclamation of metals and metal compounds R5: Recycling/reclamation of other inorganic materials	From receipt of permitted waste through to treatment and recovery of by-products (Pulverised Fuel Ash (PFA) aggregate). Treatment consisting of physical separation and drying of PFA in an enclosed building and on an impermeable surface with sealed drainage. Waste types as specified in Table S2.2.
Directly Associated Activity			
A2	Storage of waste	Storage of PFA on impermeable surface with sealed drainage system prior to treatment Storage of processed PFA aggregate on impermeable surface with sealed drainage system R13: Storage of waste pending the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).	From receipt of waste to despatch off-site for recovery. Waste types as specified in Table S2.2.
A3	Process water collection and storage	Collection and storage water from dampening down	From the collection of process water to re-use within the facility or discharge off-site.
A4	Surface water collection and storage	Collection and storage of uncontaminated roof and site surface water.	From the collection of uncontaminated roof and site surface water from non operational areas to re-use within the facility or discharge off-site.
A5	Raw material storage	Storage of raw materials including lubrication oil, antifreeze, ferric chloride,	From the receipt of raw materials to despatch for use within the facility.

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
		activated carbon.	

Table S1.2 Operating techniques		
Description	Parts	Date Received
EA Doc 4 Rev 01 – Environmental, quality and health & safety management systems	All parts	03/07/2008
EA Doc 7 – Technical standards	All parts	03/07/2008
EA Doc 8 – Fugitive emissions to air management plan	All parts	03/07/2008
EA Doc 0 - Monitoring	All parts	03/07/2008
Permit variation supporting information ref. P088-R03-F1 July 2011	Section 4 – Management and process Controls Section 5 – Discharge monitoring	19/07/2011
Analytical Report 20110926 Analysis of Waste Water Samples for Residual Ekofol 45 Content using GC-FID	Details: calibration/ analytical method for Ekofol 45 sampling/ detection	19/07/2011
Comments on draft permit received by email	Site plan ref: P088-R03-F1 version 2 showing location of discharge point D1 and sampling points	07/11/2011

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The operator shall review the monitoring results against industry standard and shall submit a revised H1 assessment detailing the proposed emissions limits for the emissions points specified in table 3.1	01/03/2010
IC2	The operator shall submit revised written procedures for approval to meet all the relevant BAT requirements for the treatment of slags and ashes. The procedures must contain dates for implementation of individual measures.	1 month prior to re-commencement of operations
IC3	The operator shall submit a revised noise management plan to the Environment Agency for written approval. The plan shall incorporate all the required detailed information as specified in the Environment Agency's Horizontal Guidance H3 – Noise Management. The plan must contain dates for implementation of individual measures.	Within 6 months re-commencement of operations.
IC4	The operator shall produce, and submit for approval and subsequent implementation, written procedures (and any amendments to them) that accord with section 2.1.1 of Sector Guidance Note S5.06, December 2004, to assess waste prior to acceptance on the site. The procedures must contain dates for implementation of individual measures.	Within 6 months re-commencement of operations.

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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Table S2.2 Permitted waste types and quantities for pulverised fuel ash treatment processing	
Maximum quantity	Annual throughput shall not exceed 800,000 tonnes.
Waste code	Description
10	Waste from Thermal Processes
10 01	waste from power stations and other combustion plants (except 19)
10 01 02	coal fly ash

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 as shown on the site plan in Schedule 7.	Dryer vent	Particulate matter	No limit set	Hourly average	Monthly	BS EN 13284-1
A1 as shown on the site plan in Schedule 7.	Dryer vent	Sulphur Dioxide	No limit set	Hourly average	Monthly	BS 6069-4.1
A1 as shown on the site plan in Schedule 7.	Dryer vent	Carbon Monoxide	No limit set	Hourly average	Monthly	ISO 12039
A2 as shown on the site plan in Schedule 7.	No 1 Alpha Product Silo	Particulate matter	No limit set	Hourly average	Monthly	BS EN 13284-1
A3 as shown on the site plan in Schedule 7.	No 2 Alpha Product Silo	Particulate matter	No limit set	Hourly average	Monthly	BS EN 13284-1
A4 as shown on the site plan in Schedule 7.	No 3 Carbon Product Silo	Particulate matter	No limit set	Hourly average	Monthly	BS EN 13284-1

Table S3.2 Point source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 (sampling point 3 on the site plan ref. PO88-R03_F1 version 2 received on 07/11/11)	Mineral recovery process water	Ekofol 45	10 mg/l – Look up table (condition 3.1.3 applies)	Instantaneous (spot sample)	Daily or as otherwise agreed in writing with the Environment Agency	As per “Analytical Report 20110926 Analysis of Waste Water Sample for Residual Ekofol 45 Content using GC FID” submitted with the variation application (EPR/BP3598SZ/V002) or as otherwise agreed in writing with the Environment Agency
	Mineral recovery process water	Ekofol 45	Max. 20mg/l	Instantaneous (spot sample)	Daily or as otherwise agreed in writing with the Environment Agency	
	Mineral recovery process water	Maximum rate of discharge	N/A	Instantaneous (spot sample)	Continuous	MCERTS certified equipment
	Mineral recovery process water	Maximum daily discharge volume	2500m ³ /day	Total daily volume	Continuous	MCERTS certified equipment

Table S3,3 Look up table (in relation to condition 3.1.3 and tables S3.1 and S3.2)	
Number of samples taken in any period of 12 months	Maximum number of samples permitted to exceed limit for given determinand
4-7	1
8-16	2
17-28	3
29-40	4
41-53	5
54-67	6
68-81	7
82-95	8
96-110	9
111-125	10
126-140	11
141-155	12
156-171	13
172-187	14
188-203	15
204-219	16
220-235	17
236-251	18
252-268	19
269-284	20
285-300	21
301-317	22
318-334	23
335-350	24
351-365	25

Schedule 4 – Reporting

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.5.1.	A1, A2, A3 and A4 as shown on the site plan in Schedule 7.	Every 12 months	1 January
Emissions to water Parameters as required by condition 3.5.1	W1 (Sample point 3 on the site plan ref. P088-RO3-F1 version 2)	Monthly or as otherwise agreed in writing with the Environment Agency	1 st of the month

Parameter	Units
pulverised fuel ash processed	tonnes
pulverised fuel ash imported	tonnes
pulverised fuel ash aggregate recovered	tonnes

Parameter	Frequency of assessment	Units
Water usage	Annually	m ³ per tonne of processed ash
Energy usage	Annually	MWh per processed ash
Total raw materials used	Annually	tonnes

Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Environment Agency	26/11/15
Water	Form water 1 or other form as agreed in writing by the Environment Agency	26/11/15
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	26/11/15
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	26/11/15
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	26/11/15
Waste returns	E-waste return form	--

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

“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.

“bottom ash” means ash falling through the grate transported by the grate.

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

“disposal” means any of the operations 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 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 waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 No.894, the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138), the List of Wastes (England) Regulations 2005 No.895 and the List of Wastes (Wales) Regulations 2005 No. 1820 (W.148).

“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.

“recovery” means any of the operations 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

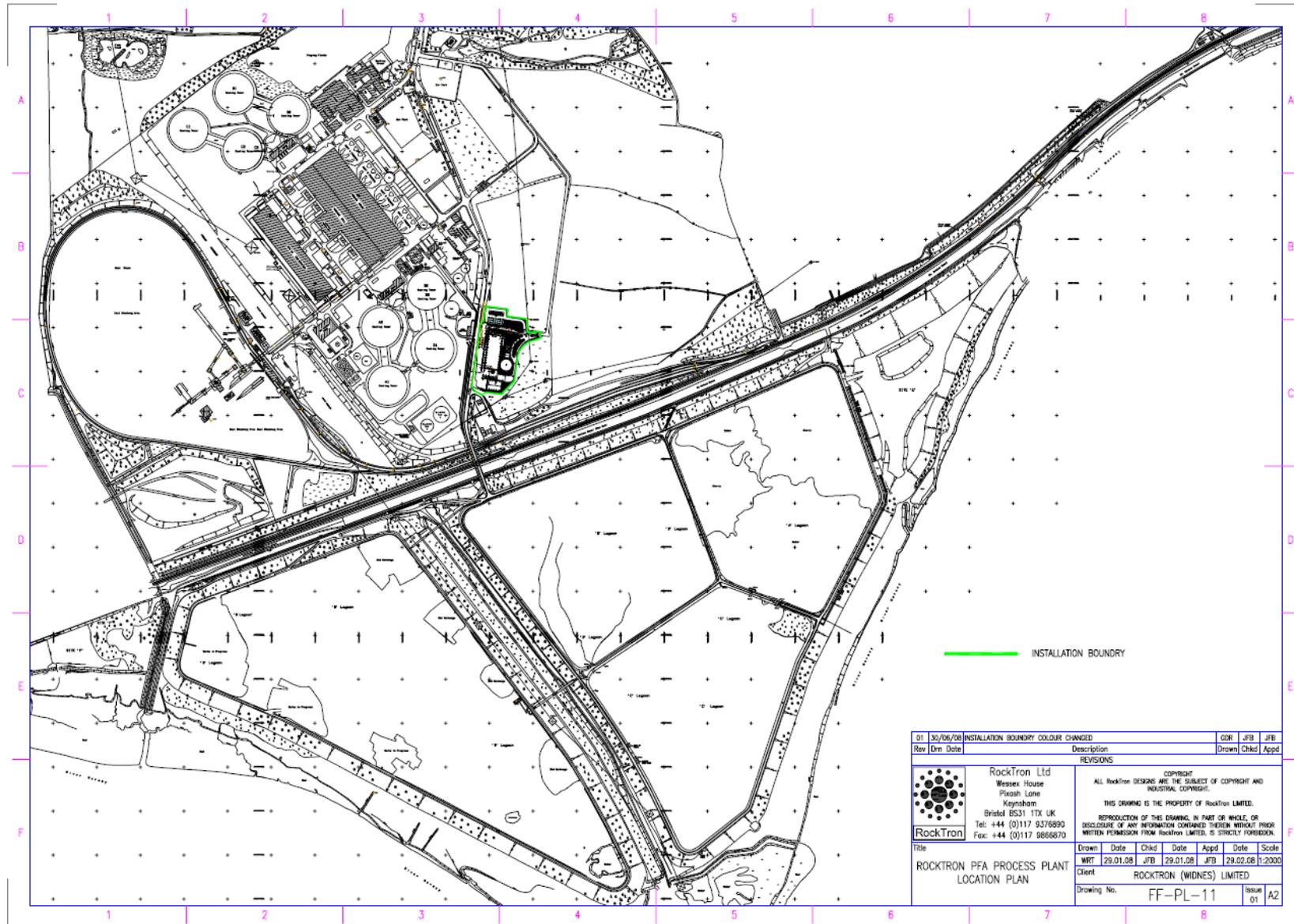
“year” means calendar year ending 31 December.

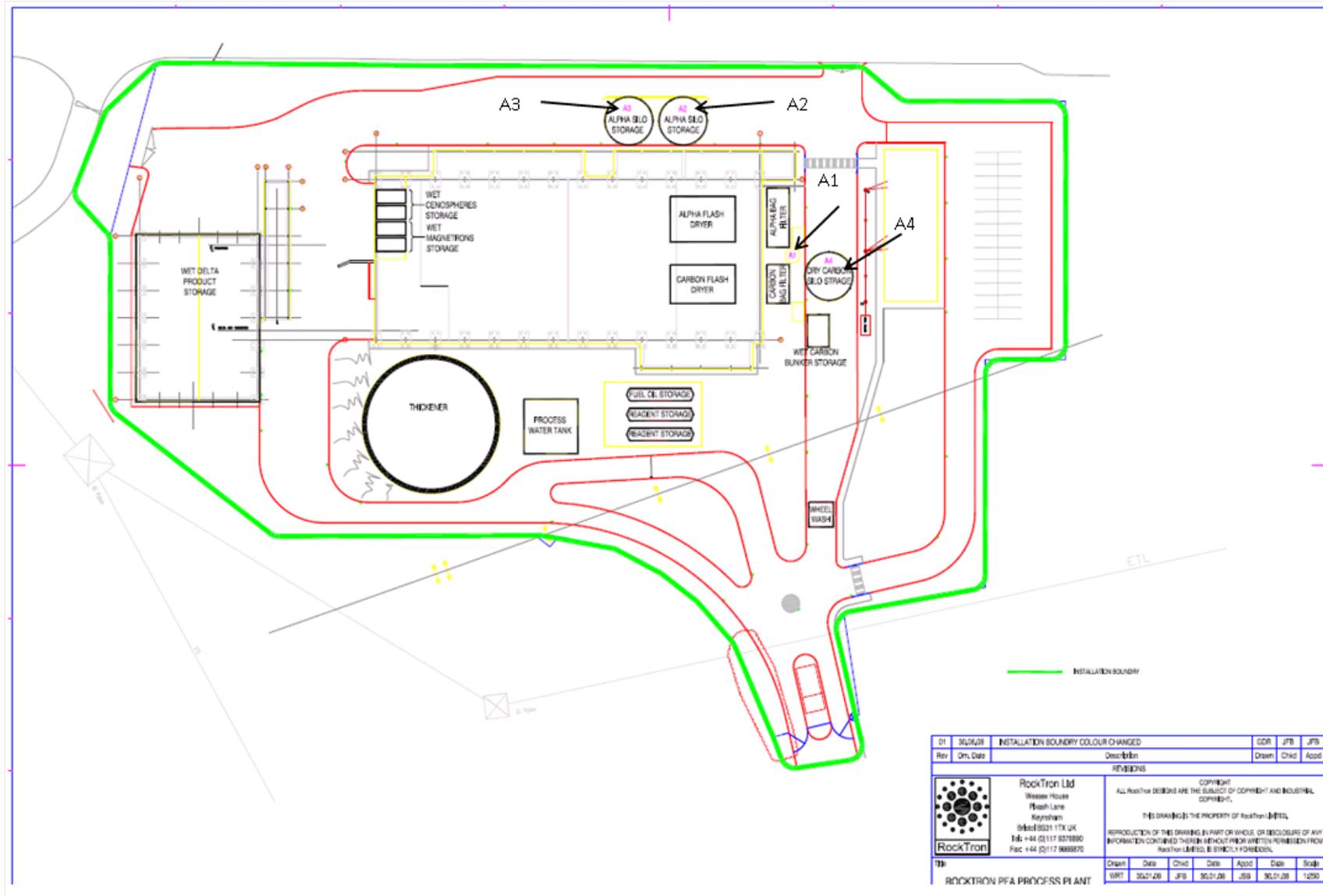
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

Schedule 7 – Site plans





01	30/06/08	INSTALLATION BOUNDARY COLOUR CHANGED	DDR	JFB	JFB	
Rev	On Date	Description	Drawn	Chkd	Appd	
REVISIONS						
 RockTron Ltd Waste House Wash Lane Keynsham Bristol BS31 1TX UK Tel: +44 (0)117 9378890 Fax: +44 (0)117 9669870		COPYRIGHT ALL RIGHTS RESERVED ARE THE SUBJECT OF COPYRIGHT AND INDUSTRIAL COPYRIGHT. THIS DRAWING IS THE PROPERTY OF RockTron (UK) LTD. REPRODUCTION OF THIS DRAWING IN PART OR WHOLE OR DISCLOSURE OF ANY INFORMATION CONTAINED THEREIN WITHOUT WRITTEN PERMISSION FROM RockTron (UK) LTD. IS STRICTLY FORBIDDEN.				
		Drawn	Date	Chkd	Date	Appd
WRT	30/07/08	JFB	30/07/08	JFB	30/07/08	1:250

END OF PERMIT

Permit number
EPR/BP3698SZ/V003

Permit Number: BP3698SZ

Operator: SSE Mineral Solutions Limited

Facility: Widnes Site

Form Number: Air1 / 26/11/15

Reporting of emissions to air for the period from DD/MM/YYYY to DD/MM/YYYY

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed

Date.....

(Authorised to sign as representative of Operator)

Permit Number: BP3698SZ

Operator: SSE Mineral Solutions Limited

Facility: Widnes Site

Form Number: Water1 / 26/11/15

Reporting of emissions to water (other than to sewer) and land for the period from DD/MM/YYYY to DD/MM/YYYY

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed

Date.....

(Authorised to sign as representative of Operator)

Permit Number: BP3698SZ

Operator: SSE Mineral Solutions Limited

Facility: Widnes Site

Form Number: WaterUsage1 / 26/11/15

Reporting of Water Usage for the year

Water Source	Usage (m³/year)	Specific Usage (m³/unit output)
Mains water		
Site borehole		
River abstraction		
TOTAL WATER USAGE		

Operator's comments:

Signed

Date.....

(authorised to sign as representative of Operator)

Permit Number: BP3698SZ

Operator: SSE Mineral Solutions Limited

Facility: Widnes Site

Form Number: Energy1 / 26/11/15

Reporting of Energy Usage for the year

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh		
Natural Gas	MWh		
Gas Oil	tonnes		
Recovered Fuel Oil	tonnes		
Biogas	tonnes		
TOTAL	-		

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

Signed

Date.....

(Authorised to sign as representative of Operator)

Permit Number: BP3698SZ

Operator: SSE Mineral Solutions Limited

Facility: Widnes Site

Form Number: Performance1 / 26/11/15

Reporting of other performance indicators for the period DD/MM/YYYY to DD/MM/YYYY

Parameter	Units
Pulverised fuel ash processed	tonnes
Pulverised fuel ash imported	tonnes
Pulverised fuel ash aggregate recovered	tonnes
Total raw materials used	tonnes

Operator's comments:

Signed

Date.....

(Authorised to sign as representative of Operator)