Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Miller Argent (South Wales) Limited

Ffos-y-fran Land Reclamation Scheme
Cwmbargoed Disposal Point
Fochriw Road
Merthyr Tydfil
CF48 4AE

Variation application number

EPR/DB3131AF/A001

Consolidated permit number

EPR/DB3131AF

Ffos-y-fran Land Reclamation Scheme
Consolidated permit number EPR/DB3131AF

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of environmental permits A, B, C, D, E, F, G, H , I, J, K, L, M and N referred to in the status logs below and the replacement of those permits with a consolidated environmental permit.

This variation adds inert mining waste operations to existing integral water discharge activity permits and also consolidates all the permits into modern condition format. All activities will now be incorporated under this 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 permit A: AN0264601		
Description	**Date**	**Comments**
Permit issued AN0264601	02/10/1997	Trade effluent comprising settled opencast site drainage
Permit varied	18/11/2005	
Application EPR/DB3131AF/A001 (variation)	Duly made 04/11/2011	Application to vary the discharge permit to include a mining waste operation.
Variation determined EPR/DB3131AF	28/03/2012	Varied and consolidated permit issued in modern condition format.

Status Log of permit B: AN0264602		
Description	**Date**	**Comments**
Permit issued AN0264602	02/10/1997	Trade effluent comprising settled opencast site drainage discharged under storm conditions
Permit varied	18/11/2005	
Application EPR/DB3131AF/A001 (variation)	Duly made 04/11/2011	Application to consolidate the discharge permit with application to include a mining waste operation.
Variation determined EPR/DB3131AF	28/03/2012	Varied and consolidated permit issued in modern condition format.

Status Log of permit C: AN0264401		
Description	**Date**	**Comments**
Permit issued AN0264401	02/10/1997	Trade effluent comprising settled opencast site drainage.
Permit varied	18/11/2005	
Application EPR/DB3131AF/A001 (variation)	Duly made 04/11/2011	Application to consolidate the discharge permit with application to include a mining waste operation.
Variation determined EPR/DB3131AF	28/03/2012	Varied and consolidated permit issued in modern condition format.

Status Log of permit D: AN0264402		
Description	**Date**	**Comments**
Permit issued AN0264402	02/10/1997	Trade effluent comprising settled opencast site drainage discharged under storm conditions
Permit varied	18/11/2005	
Application EPR/DB3131AF/A001 (variation)	Duly made 04/11/2011	Application to consolidate the discharge permit with application to include a mining waste operation.
Variation determined EPR/DB3131AF	28/03/2012	Varied and consolidated permit issued in modern condition format.

Status Log of permit E: NPSWQD000674		
Description	**Date**	**Comments**
Permit Issued NPSWQD000674	29/04/2008	Trade effluent comprising site drainage
Application EPR/DB3131AF/A001 (variation)	Duly made 04/11/2011	Application to consolidate the discharge permit with application to include a mining waste operation.
Variation determined EPR/DB3131AF	28/03/2012	Varied and consolidated permit issued in modern condition format.

Status Log of permit F: NPSWQD002105		
Description	**Date**	**Comments**
Permit Issued NPSWQD002105	29/04/2008	Trade effluent comprising site drainage discharged under storm conditions
Application EPR/DB3131AF/A001 (variation)	Duly made 04/11/2011	Application to consolidate the discharge permit with application to include a mining waste operation.
Variation determined EPR/DB3131AF	28/03/2012	Varied and consolidated permit issued in modern condition format.

Status Log of permit G: AN0264501		
Description	**Date**	**Comments**
Permit issued AN0264501	02/10/1997	Trade effluent comprising settled opencast site drainage.
Permit modified	08/01/1999	
Application EPR/DB3131AF/A001 (variation)	Duly made 04/11/2011	Application to consolidate the discharge permit with application to include a mining waste operation.
Variation determined EPR/DB3131AF	28/03/2012	Varied and consolidated permit issued in modern condition format.

Status Log of permit H: AN0264502		
Description	**Date**	**Comments**
Permit issued AN0264502	02/10/1997	Trade effluent comprising settled opencast site drainage discharged under storm conditions
Permit modified	08/01/1999	
Application EPR/DB3131AF/A001 (variation)	Duly made 04/11/2011	Application to consolidate the discharge permit with application to include a mining waste operation.
Variation determined EPR/DB3131AF	28/03/2012	Varied and consolidated permit issued in modern condition format.

Status Log of permit I: AN0264603		
Description	**Date**	**Comments**
Permit Issued AN0264603	02/10/1997	Trade effluent comprising settled opencast site drainage.
Permit varied	18/11/2005	
Application EPR/DB3131AF/A001 (variation)	Duly made 04/11/2011	Application to consolidate the discharge permit with application to include a mining waste operation.
Variation determined EPR/DB3131AF	28/03/2012	Varied and consolidated permit issued in modern condition format.

Status Log of permit J: AN0274601		
Description	**Date**	**Comments**
Permit issued AN0274601	02/10/1997	Trade effluent comprising settled opencast site drainage discharged under storm conditions
Permit varied	18/11/2005	
Application EPR/DB3131AF/A001 (variation)	Duly made 04/11/2011	Application to consolidate the discharge permit with application to include a mining waste operation.
Variation determined EPR/DB3131AF	28/03/2012	Varied and consolidated permit issued in modern condition format.

Status Log of permit K: AN0265001		
Description	**Date**	**Comments**
Permit issued AN0265001	23/07/1996	Trade effluent comprising settled opencast site drainage from a storage mound of soil forming material
Permit varied	28/10/2008	
Application EPR/DB3131AF/A001 (variation)	Duly made 04/11/2011	Application to consolidate the discharge permit with application to include a mining waste operation.
Variation determined EPR/DB3131AF	28/03/2012	Varied and consolidated permit issued in modern condition format.

Status Log of permit L: AN0265002		
Description	**Date**	**Comments**
Permit issued AN0265002	01/10/1997	Trade effluent comprising settled opencast site drainage under storm conditions from a storage mound of soil forming material
Permit varied	18/11/2005	
Permit varied	28/10/2008	
Application EPR/DB3131AF/A001 (variation)	Duly made 04/11/2011	Application to consolidate the discharge permit with application to include a mining waste operation.
Variation determined EPR/DB3131AF	28/03/2012	Varied and consolidated permit issued in modern condition format.

Status Log of permit M: AN0264801		
Description	**Date**	**Comments**
Permit issued AN0264801	02/10/1997	Trade effluent comprising settled opencast site drainage.
Permit varied	18/11/2005	
Application EPR/DB3131AF/A001 (variation)	Duly made 04/11/2011	Application to consolidate the discharge permit with application to include a mining waste operation.
Variation determined EPR/DB3131AF	28/03/2012	Varied and consolidated permit issued in modern condition format.

Status Log of permit N: AN0264802		
Description	**Date**	**Comments**
Permit issued AN0264802	02/10/1997	Trade effluent comprising settled opencast site drainage discharged under storm conditions
Permit varied	18/11/2005	
Application EPR/DB3131AF/A001 (variation)	Duly made 04/11/2011	Application to consolidate the discharge permit with application to include a mining waste operation.
Variation determined EPR/DB3131AF	30/03/2012	Varied and consolidated permit issued in modern condition format.
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 regulations 18 and 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates the environmental permits

AN0264601
AN0264602
AN0264401
AN0264402
NPSWQD000674
NPSWQD002105
AN0264501
AN0264502
AN0264603
AN0274601
AN0265001
AN0265002
AN0264801
AN0264802

issued to

Miller Argent (South Wales) Limited ("the operator")

whose registered office is

Cwmbargoed Disposal Point
Fochriw Road
Merthyr Tydfil
Glamorgan
CF48 4AE

company registration number 04261274

to operate regulated facilities at

Ffos-y-fran Land Reclamation Scheme
Cwmbargoed Disposal Point
Fochriw Road
Merthyr Tydfil
CF48 4AE

to the extent set out in the schedules.

The notice shall take effect from 30/03/2012

The number of the consolidated permit is EPR/DB3131AF

Name	Date
Ben Evans	**30/03/2012**

Authorised on behalf of the Environment Agency

Schedule 1 – changes in the permit

Note: the condition numbers used in this schedule refer to those in the consolidated permit.

All conditions have been varied by the consolidated permit.

The following conditions were varied as a result of the application made by the operator:

Conditions 2.3.2, 3.3.1 and 3.3.2

The following conditions were varied as a result of an Environment Agency initiated variation:

All other conditions.

Schedule 2 – varied and consolidated permit

Consolidated permit issued as a separate document

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/DB3131AF

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/DB3131AF/A001 authorising,

Miller Argent (South Wales) Limited ("the operator"),

whose registered office is

Cwmbargoed Disposal Point
Fochriw Road
Merthyr Tydfil
Glamorgan
CF48 4AE

company registration number 04261274

to operate a mining waste operation at

Ffos-y-fran Land Reclamation Scheme
Cwmbargoed Disposal Point
Fochriw Road
Merthyr Tydfil
CF48 4AE

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

Name	Date

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.

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").

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in green and the discharges shall be made at the points marked on the site plan at schedule 7 to this permit and as listed in table S3.2 (discharge points).

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, 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 The operator shall review the waste management plan every five years from the date of initial approval.

2.3.3 For the discharges under storm conditions specified in Schedule 3, table S3.1 (A3, A5, A7, A9, A11, A13 & A15):

(a) The discharge shall only occur when and only for as long as the flow passed forward is equal to or greater than the overflow setting indicated and shall only consist of flows in excess of that figure.

(b) The capacity of the water storage facility indicated must be fully utilised before a discharge occurs.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 There shall be no point source emissions to water except from the sources and emission points listed in schedule 3.

3.1.2 The limits given in schedule 3 shall not be exceeded.

3.1.3 For the following activities referenced in schedule 1, table S1.1 (A2, A4, A6, A8, A10, A12, A14) the operator shall give the Agency at least 28 days prior written notice of the dates of commencement and completion of each operational phase of the development as detailed below within the catchment area for this permitted outlet:

(a) Soil stripping, including topsoil, subsoil and soil forming material, and preparatory works connected with establishment of their respective storage mounds.

(b) Soils replacement, including topsoil, subsoil and soil forming material, after the cessation of coaling and for the purposes of restoration of the site.

(i) subject to each period notified under 3.1.3 (a) above not exceeding 12 calendar months, during the specified periods.

(ii) subject to the period notified under 3.1.3 (b) above not exceeding two consecutive soil replacement seasons (March to October), during the specified periods.

(iii) at all other times.

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;

(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 Noise and vibration

3.3.1 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.

3.3.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan;

(b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Monitoring

3.4.1 The operator shall undertake the monitoring specified in the approved waste management plan.

3.4.2 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 S3.3.

3.4.3 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.

3.4.4 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, S3.2 and S3.3 unless otherwise agreed in writing by the Environment Agency.

3.4.5 For the activities referenced in schedule 1, table S1.1 (A2 to A15) flow measurement structure(s) shall be provided and maintained to enable the daily volume and instantaneous flow rate passing forward for full treatment to be measured or determined as required

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 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 S4.2; and

(c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.3 Notifications

4.3.1 The Environment Agency shall be notified without delay following the detection of:

(a) 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;

(b) the breach of a limit specified in the permit; or

(c) any significant adverse environmental effects.

4.3.2 Any information provided under condition 4.3.1 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:

(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 an amendment to the approved waste management plan, which 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 implementing the amended waste management plan in place of the original; and

(b) the notification shall contain a description of the proposed amendment.

4.3.6 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 implementing the amended waste management plan in place of the original; and

(b) the notification shall contain a description of the proposed amendment.

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	**Description of activity**	**Limits of specified activity**
Mining Waste Operation with integral discharges of trade effluent to surface waters.	A1) The storage, treatment and disposal of inert extractive wastes and unpolluted soil resulting from the prospecting, extraction, treatment and storage of mineral resources and the working of quarries at a mine or quarry.	Permitted waste types shall conform to the description in the approved waste management plan.
	A2) Discharge of trade effluent from treatment area **'WC1'** comprising settled opencast site drainage via outlet 1	The discharge shall be made via a 300mm diameter pipe. The discharge shall pass through a flow attenuation pond having a minimum capacity of 15973 cubic metres.
	A3) Discharge of trade effluent from treatment area **'WC1'** comprising settled opencast site drainage discharged under storm conditions via outlet 1	The discharge shall be made via an 800mm wide trapezoidal channel.
	A4) Discharge of trade effluent from treatment area "**WA'** comprising settled opencast site drainage via outlet 2	The discharge shall be made via a 300mm diameter pipe. The discharge shall pass through a flow attenuation pond having a minimum capacity of 11196 cubic metres.
	A5) Discharge of trade effluent from treatment area "**WA'** comprising settled opencast site drainage discharged under storm conditions via outlet 2	The discharge shall be made via an 800mm wide trapezoidal channel.
	A6) Discharge of trade effluent from area "**WI'** comprising site drainage via outlet 3	The discharge shall be made via a 300mm diameter pipe. The discharge shall pass through a flow attenuation pond having a minimum capacity of 6500 cubic metres.
	A7) Discharge of trade effluent from area **'WI'** comprising site drainage discharged under storm conditions via outlet 4	The discharge shall be made via a trapezoidal channel.
	A8) Discharge of trade effluent from treatment area **'WB'** comprising settled opencast site drainage via outlet 5	The discharge shall be made via a 375mm diameter pipe. The discharge shall pass through a flow attenuation pond having a minimum capacity of 10218 cubic metres.

Table S1.1 Activities		
Activity reference	**Description of activity**	**Limits of specified activity**
	A9) Discharge of trade effluent from treatment area '**WB'** comprising settled opencast site drainage discharged under storm conditions via outlet 6	The discharge shall be made via an 800mm wide trapezoidal channel.
	A10) Discharge of trade effluent from treatment area **'WC'** comprising settled opencast site drainage via outlet 7	The discharge shall be made via a 300mm diameter pipe. The discharge shall pass through a flow attenuation pond having a minimum capacity of 17564 cubic metres.
	A11) Discharge of trade effluent from treatment area **'WC'** comprising settled opencast site drainage discharged under storm conditions via outlet 8	The discharge shall be made via an 800mm wide trapezoidal channel.
	A12) Discharge of trade effluent from area **'WG'** comprising settled opencast site drainage from a storage mound of soil forming material via outlet 9	The discharge shall be made via a 450mm diameter concrete pipe. The discharge shall pass through a flow attenuation pond having a minimum capacity of 20405 cubic metres.
	A13) Discharge of trade effluent from area **'WG'** comprising settled opencast site drainage discharged under storm conditions from a storage mound of soil forming material via outlet 9	The discharge shall be made via an 800mm wide trapezoidal channel.
	A14) Discharge of trade effluent from treatment area **'WF'** comprising settled opencast site drainage via outlet 10	The discharge shall be made via a 450mm diameter pipe. The discharge shall pass through a flow attenuation pond having a minimum capacity of 21097 cubic metres.
	A15) Discharge of trade effluent from treatment area **'WF'** comprising settled opencast site drainage discharged under storm conditions via outlet 10	The discharge shall be made via an 800mm wide concrete trapezoidal channel.

Table S1.2 Operating techniques			
Activity reference	**Description of documentation**	**Parts**	**Date Received**
Mining Waste Operation with integral discharges of trade effluent to surface waters	Approved Waste Management Plan	All	11/10/2011

Schedule 2 - Waste types, raw materials and fuels

Non-extractive wastes are not accepted as part of the permitted activities and there are no restrictions on raw materials or fuels under this schedule.

Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements

Discharge source and discharge point ref. & location	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
A2 Trade effluent from treatment area **'WC1'** consisting of settled opencast site drainage via outlet 1	Maximum daily discharge volume	8640 m^3/day	Total daily volume	N/A	N/A	Maximum
	Suspended solids (measured after drying at 105^o C)	100 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	Suspended solids (measured after drying at 105^o C)	100 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	Suspended solids (measured after drying at 105^o C)	50 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	pH	5 to 9	Instantaneous (spot sample)	N/A	N/A	Minimum and maximum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
A3 Trade effluent from treatment area **'WC1'** consisting of settled opencast site drainage under storm conditions via Outlet 1	Overflow setting	100 litres per second	Instantaneous (spot sample)	Condition 2.3.3 (a) applies	N/A	Minimum
	Storage capacity	15973 m^3	N/A	Condition 2.3.3 (b) applies	N/A	Minimum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
	Discharge start and end times	No limit set	N/A	N/A	Whenever a discharge occurs	N/A

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
A4 Trade effluent from treatment area **'WA'** consisting of settled opencast site drainage via Outlet 2	Maximum daily discharge volume	8640 m3/day	Total daily volume	N/A	N/A	Maximum
	Suspended solids (measured after drying at 105^{o} C)	100 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	Suspended solids (measured after drying at 105^{o} C)	100 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	Suspended solids (measured after drying at 105^{o} C)	50 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	pH	5 to 9	Instantaneous (spot sample)	N/A	N/A	Minimum and maximum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
A5 Trade effluent from treatment area **'WA'** consisting of settled opencast site drainage under storm conditions via Outlet 2	Overflow setting	100 litres per second	Instantaneous (spot sample)	Condition 2.3.3 (a) applies	N/A	Minimum
	Storage capacity	11196 m^3	N/A	Condition 2.3.3 (b) applies	N/A	Minimum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
	Discharge start and end times	No limit set	N/A	N/A	Whenever a discharge occurs	N/A

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
A6 Trade effluent from area **'WI'** consisting of settled opencast site drainage via Outlet 3	Maximum daily discharge volume	Rainfall dependant	Total daily volume	N/A	N/A	Maximum
	Suspended solids (measured after drying at 105^{o} C)	100 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	Suspended solids (measured after drying at 105^{o} C)	100 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	Suspended solids (measured after drying at 105^{o} C)	50 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	pH	5 to 9	Instantaneous (spot sample)	N/A	N/A	Minimum and maximum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
A7 Trade effluent from area **'WI'** consisting of settled opencast site drainage under storm conditions via Outlet 4	Overflow setting	100 litres per second	Instantaneous (spot sample)	Condition 2.3.3 (a) applies	N/A	Minimum
	Storage capacity	6500 m^3	N/A	Condition 2.3.3 (b) applies	N/A	Minimum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
	Discharge start and end times	No limit set	N/A	N/A	Whenever a discharge occurs	N/A

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
A8 Trade effluent from treatment area **'WB'** consisting of settled opencast site drainage via Outlet 5	Maximum daily discharge volume	8640 m3/day	Total daily volume	N/A	N/A	Maximum
	Suspended solids (measured after drying at 105^{o} C)	100 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	Suspended solids (measured after drying at 105^{o} C)	100 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	Suspended solids (measured after drying at 105^{o} C)	50 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	pH	5 to 9	Instantaneous (spot sample)	N/A	N/A	Minimum and maximum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
A9 Trade effluent from treatment area **'WB'** consisting of settled opencast site drainage under storm conditions via Outlet 6	Overflow setting	100 litres per second	Instantaneous (spot sample)	Condition 2.3.3 (a) applies	N/A	Minimum
	Storage capacity	10218 m^3	N/A	Condition 2.3.3 (b) applies	N/A	Minimum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
	Discharge start and end times	No limit set	N/A	N/A	Whenever a discharge occurs	N/A

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
A10 Trade effluent from treatment area **'WC'** consisting of settled opencast site drainage via Outlet 7	Maximum daily discharge volume	8640 m3/day	Total daily volume	N/A	N/A	Maximum
	Suspended solids (measured after drying at 105^{o} C)	100 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	Suspended solids (measured after drying at 105^{o} C)	100 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	Suspended solids (measured after drying at 105^{o} C)	50 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	pH	5 to 9	Instantaneous (spot sample)	N/A	N/A	Minimum and maximum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
A11 Trade effluent from treatment area **'WC'** consisting of settled opencast site drainage under storm conditions via Outlet 8	Overflow setting	100 litres per second	Instantaneous (spot sample)	Condition 2.3.3 (a) applies	N/A	Minimum
	Storage capacity	17564 m^3	N/A	Condition 2.3.3 (b) applies	N/A	Minimum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
	Discharge start and end times	No limit set	N/A	N/A	Whenever a discharge occurs	N/A

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
A12 Trade effluent from area **'WG'** consisting of settled opencast site drainage from a storage mound of soil forming material via Outlet 9	Maximum daily discharge volume	25920 m3/day	Total daily volume	N/A	N/A	Maximum
	Suspended solids (measured after drying at 105^{o} C)	100 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	Suspended solids (measured after drying at 105^{o} C)	100 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	Suspended solids (measured after drying at 105^{o} C)	50 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	pH	5 to 9	Instantaneous (spot sample)	N/A	N/A	Minimum and maximum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
A13 Trade effluent from area **'WG'** consisting of settled opencast site drainage under storm conditions from a mound of soil forming material via Outlet 9	Overflow setting	300 litres per second	Instantaneous (spot sample)	Condition 2.3.3 (a) applies	N/A	Minimum
	Storage capacity	20405 m^3	N/A	Condition 2.3.3 (b) applies	N/A	Minimum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
	Discharge start and end times	No limit set	N/A	N/A	Whenever a discharge occurs	N/A

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
A14 Trade effluent from treatment area **'WF'** consisting of settled opencast site drainage via Outlet 10	Maximum daily discharge volume	26520 m3/day	Total daily volume	N/A	N/A	Maximum
	Suspended solids (measured after drying at 105^{o} C)	100 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	Suspended solids (measured after drying at 105^{o} C)	100 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	Suspended solids (measured after drying at 105^{o} C)	50 mg/l	Instantaneous (spot sample)	Condition 3.1.3 (i) applies.	Continuous	Maximum
	pH	5 to 9	Instantaneous (spot sample)	N/A	N/A	Minimum and maximum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
A15 Trade effluent from treatment area **'WF'** consisting of settled opencast site drainage under storm conditions via Outlet 10	Overflow setting	300 litres per second	Instantaneous (spot sample)	Condition 2.3.3 (a) applies	N/A	Minimum
	Storage capacity	21097 m^3	N/A	Condition 2.3.3 (b) applies	N/A	Minimum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
	Discharge start and end times	No limit set	N/A	N/A	Whenever a discharge occurs	N/A

Table S3.2 Discharge points			
Effluent Name	**Discharge Point**	**Discharge point NGR**	**Receiving water/Environment**
Trade effluent consisting of settled opencast site drainage (A2) & settled opencast site drainage discharged under storm conditions (A3)	Outlet 1	SO 08025 06412	Tributary of the Nant Bargod Taf
Trade effluent consisting of settled opencast site drainage (A4) & settled opencast site drainage discharged under storm conditions (A5)	Outlet 2	SO 06705 05969	Nant Cwm Blacs
Trade effluent consisting of settled opencast site drainage (A6)	Outlet 3	SO 07926 05493	Nant Bargod Taf
Trade effluent consisting of settled opencast site drainage discharged under storm conditions (A7)	Outlet 4	SO 07856 05487	Nant Bargod Taf
Trade effluent consisting of settled opencast site drainage (A8)	Outlet 5	SO 06720 07250	Nant Morlais
Trade effluent consisting of settled opencast site drainage discharged under storm conditions (A9)	Outlet 6	SO 06780 07290	Tributary of Nant Morlais
Trade effluent consisting of settled opencast site drainage (A10)	Outlet 7	SO 07672 06181	Tributary of the Nant Bargod Taf
Trade effluent consisting of settled opencast site drainage discharged under storm conditions (A11)	Outlet 8	SO 07586 06332	Tributary of the Nant Bargod Taf
Trade effluent consisting of settled opencast site drainage (A12) & settled opencast site drainage discharged under storm conditions from a storage mound of soil forming material (A13)	Outlet 9	SO 08781 05451	Nant Gyrawd
Trade effluent consisting of settled opencast site drainage (A14) & settled opencast site drainage discharged under storm conditions (A15)	Outlet 10	SO 08393 05048	Tributary of the Nant Bargod Taf

Table S3.3 Monitoring points			
Effluent(s) and discharge point(s)	**Monitoring type**	**Monitoring point NGR**	**Monitoring point reference**
A2) Trade effluent consisting of settled opencast site drainage via outlet 1	Effluent sample point	SO 08029 06433	M1
A3) Trade effluent consisting of settled opencast site drainage discharged under storm conditions via outlet 1	Effluent sample point	SO 08031 06425	M2
A4) Trade effluent consisting of settled opencast site drainage via outlet 2	Effluent sample point	SO 06706 05979	M3
A5) Trade effluent consisting of settled opencast site drainage discharged under storm conditions via outlet 2	Effluent sample point	SO 06699 05973	M4
A6) Trade effluent consisting of settled opencast site drainage via outlet 3	Effluent sample point	SO 07926 05493	M5
A7) Trade effluent consisting of settled opencast site drainage discharged under storm conditions via outlet 4	Effluent sample point	SO 07856 05487	M6
A8) Trade effluent consisting of settled opencast site drainage via outlet 5	Effluent sample point	SO 06720 07250	M7
A9) Trade effluent consisting of settled opencast site drainage discharged under storm conditions via outlet 6	Effluent sample point	SO 06780 07290	M8
A10) Trade effluent consisting of settled opencast site drainage via outlet 7	Effluent sample point	SO 07616 06214	M9
A11) Trade effluent consisting of settled opencast site drainage discharged under storm conditions via outlet 8	Effluent sample point	SO 07586 06332	M10
A12) Trade effluent consisting of settled opencast site drainage from a storage mound of soil forming material via outlet 9	Effluent sample point	SO 08780 05477	M11
A13) Trade effluent consisting of settled opencast site drainage discharged under storm conditions from a storage mound of soil forming material via outlet 9	Effluent sample point	SO 08791 05555	M12
A14) Trade effluent consisting of settled opencast site drainage via outlet 10	Effluent sample point	SO 08399 05056	M13
A15) Trade effluent consisting of settled opencast site drainage discharged under storm conditions via outlet 10	Effluent sample point	SO 08395 05102	M14

Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data			
Determinand	**Monitoring point reference**	**Reporting period**	**Period begins**
Suspended Solids	M1, M3, M5, M7, M9, M11, M13	Monthly	1st of month
Discharge start and end times	M2, M4, M6, M8, M10, M12, M14	Half yearly	1st of month

Table S4.2 Reporting forms	
Determinand	**Reporting format**
Suspended solids	Electronic format specified by Environment Agency
Discharge start and end times	Electronic format specified by Environment Agency

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	**EPR/DB3131AF**
Name of operator	**Miller Argent (South Wales) Limited**
Location of Facility	**Ffos-y-fran Land Reclamation Scheme**
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.

“annually” means once every year.

“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.

“approved waste management plan” means a plan of the type described in Article 5(1) of Directive 2006/21/EC of the European Parliament and of the Council of 15 March 2006 on the management of waste from extractive industries and amending Directive 2004/35/EC, approved as part of the grant or variation of an environmental permit and as revised from time to time.

“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.

“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.

“inert waste” means waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and in particular not endanger the quality of surface water and/or groundwater. All of the criteria listed in Article 1 of Commission Decision 2009/359 must be fulfilled.

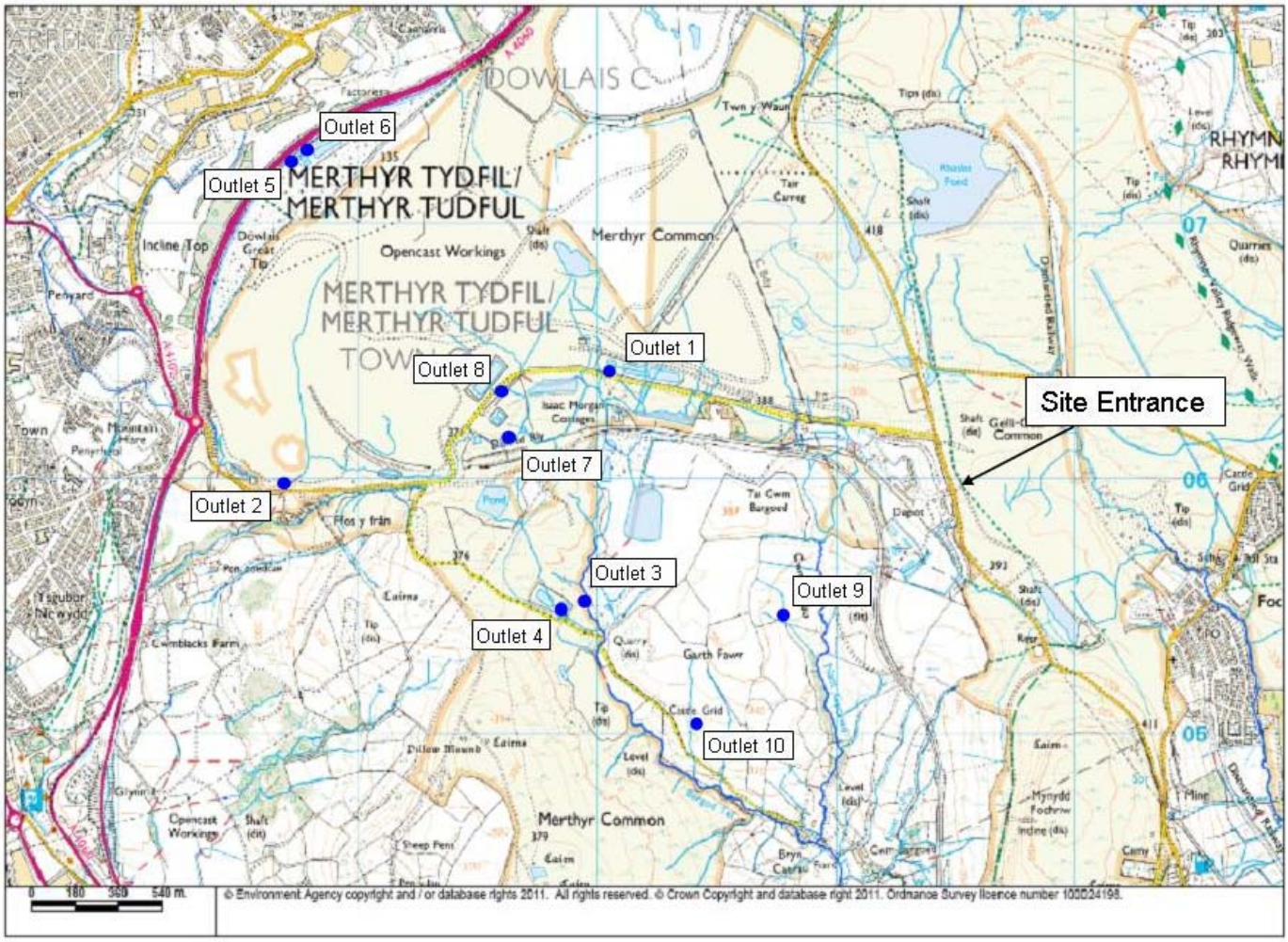
“mining waste facility” means a waste facility as defined in Article 3(15) of Directive 2006/21/EC of the European Parliament and of the Council of 15 March 2006 on the management of waste from extractive industries and amending Directive 2004/35/EC, where a mining waste operation is carried out.

“pond” means a natural or engineered facility for disposing of fine grained waste, normally tailings, along with varying amounts of free water, resulting from the treatment of mineral resources and from the clearing and recycling of process water.

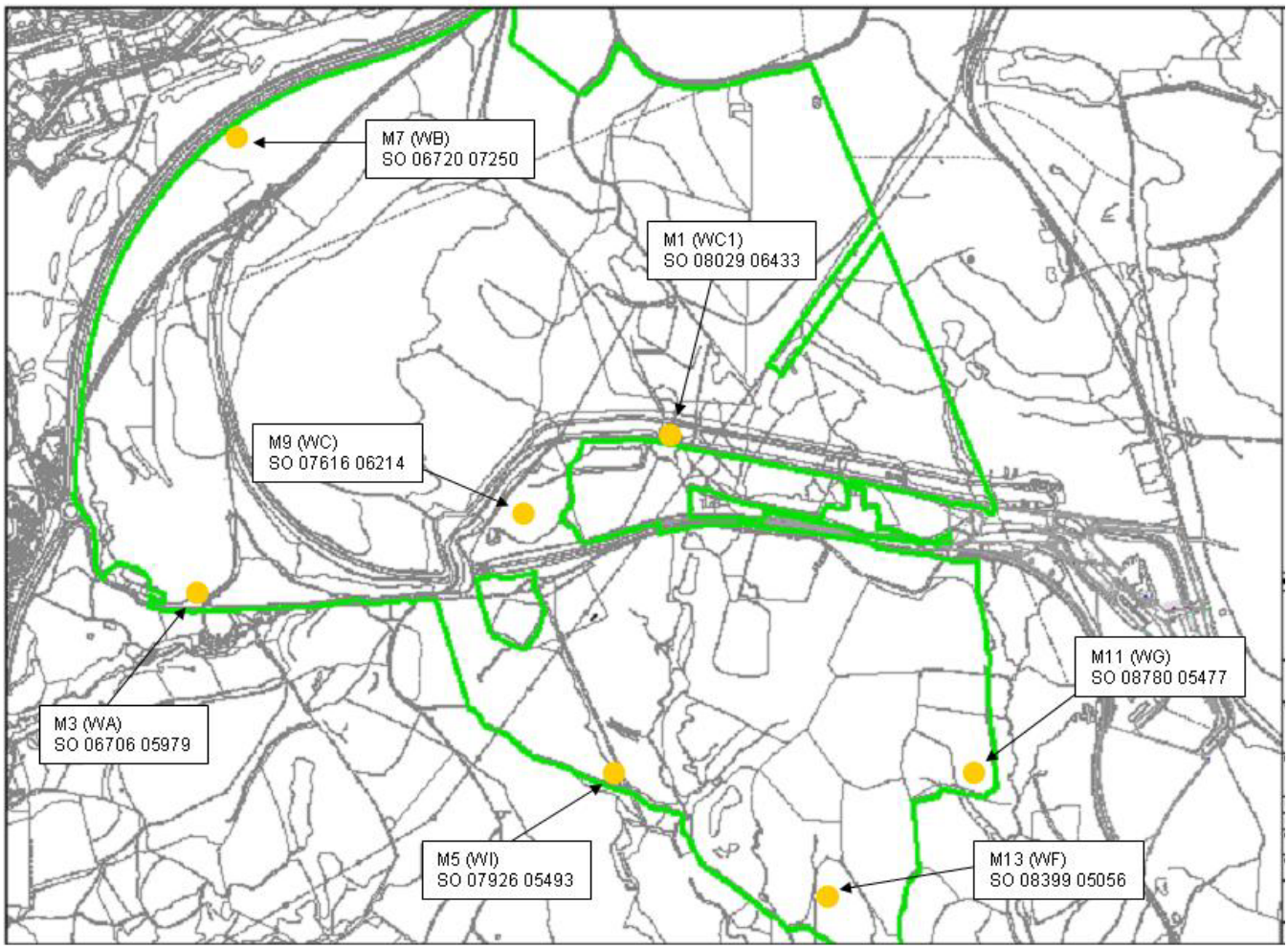
“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“year” means calendar year ending 31 December

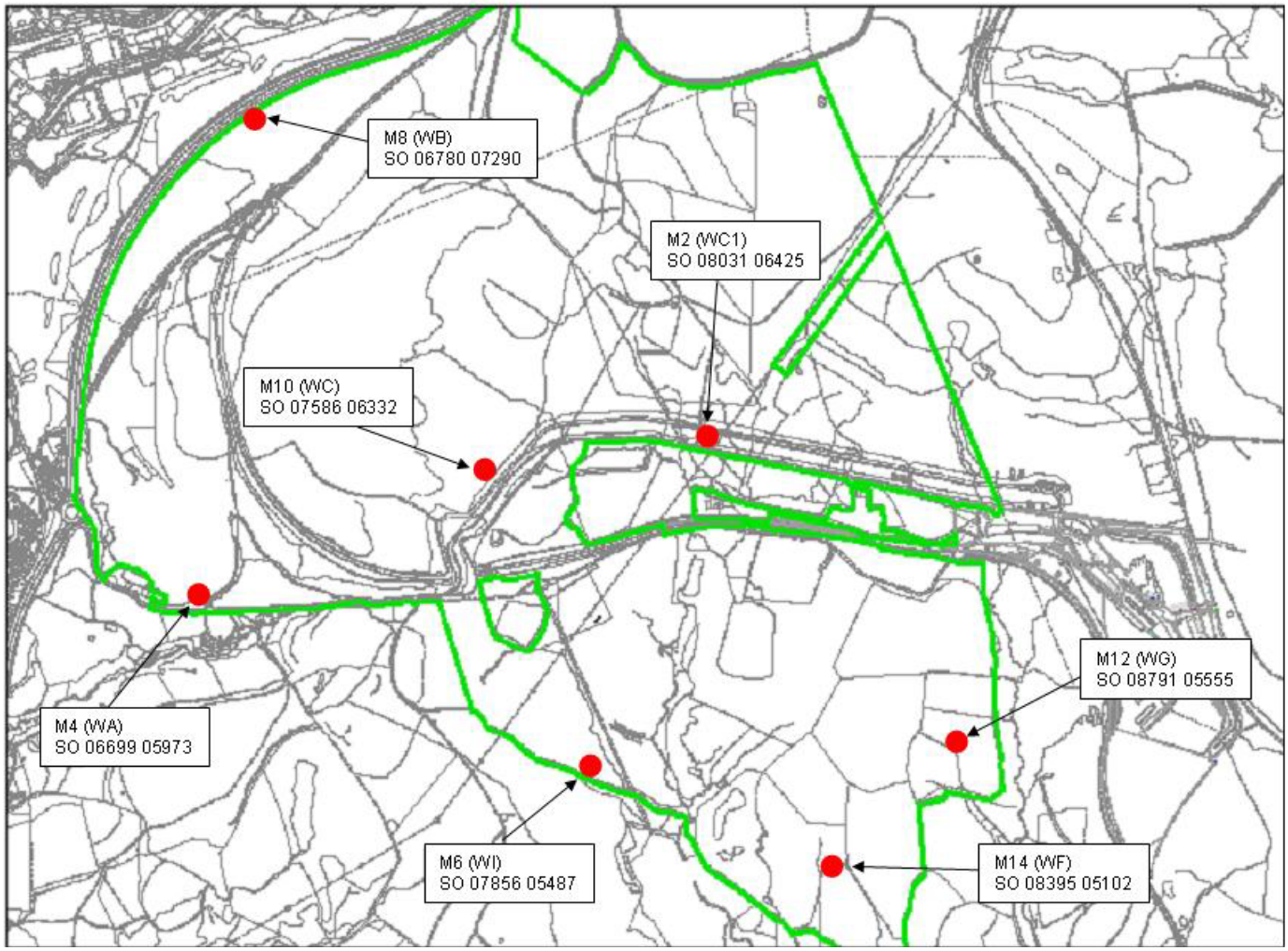
Schedule 7 - General Location Map



Schedule 7 - Site plan - Final Effluent



Schedule 7 - Site plan - Storm Overflow



END OF PERMIT