

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Summerleaze Limited

Beechwood Nurseries Landfill
Farnham Lane
Farnham Royal
Slough
Buckinghamshire
SL2 3SD

Variation application number

EPR/YP3890EH/V005

Permit number

EPR/YP3890EH

Beechwood Nurseries Landfill

Permit number EPR/YP3890EH

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.

This variation is to change the landfill gas and groundwater requirements in the permit.

The schedules specify the changes made to the original 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
Permit determined BU0605IR	14/07/2004	Permit for an Inert Landfill issued to Summerleaze Limited.
Variation Issued DP3039UB	28/08/2007	Variation to consolidate the existing permit issued.
Variation Issued HP3437UT	28/09/2007	Variation to amend the emissions monitoring and reporting schedules issued.
Variation Issued EPR/BU0605IR/V004	29/05/2009	Variation to extend the permitted area, amend the list of waste accepted under the permit and amend the monitoring and reporting issued.
Application EPR/YP3890EH/V005 (variation)	Duly made 09/11/2016	Application to vary permit to change the landfill gas and groundwater requirements.
Variation determined EPR/YP3890EH	11/05/2017	Varied permit issued.

End of introductory note

Notice of variation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/YP3890EH

Issued to

Summerleaze Limited (“the operator”)

whose registered office is

7 Summerleaze Road

Maidenhead

Berkshire

SL6 8SP

company registration number 01738920

to operate a regulated facility at

Beechwood Nurseries Landfill

Farnham Lane

Farnham Royal

Slough

Buckinghamshire

SL2 3SD

to the extent set out in the schedules.

The notice shall take effect from 11/05/2017

Name	Date
Maxine Evans	11/05/2017

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.

1.3 Finance

- 1.3.1 The financial provision for meeting the obligations under this permit set out in the agreement made between the operator and the Environment Agency 11/05/2017 shall be maintained by the operator throughout the subsistence of this permit and the operator shall produce evidence of such provision whenever required by the Environment Agency.
- 1.3.2 The operator shall ensure that the charges it makes for the disposal of waste in the landfill cover all of the following:
- (a) the costs of setting up and operating the landfill;
 - (b) the costs of the financial provision required by condition 1.2.1; and
 - (c) the estimated costs for the closure and aftercare of the landfill.

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 4 table S4.1.
- 3.1.2 Where a substance is specified in schedule 4 table S4.1 but no limit is set for it, the concentration of such substance in emissions to water from the relevant emission point shall be no greater than the background concentration.
- 3.6.1 The operator shall, unless otherwise agreed in writing by the Agency, undertake the monitoring and any other actions for the parameters, specified in the following tables in schedule 4 to this permit:
- (a) Groundwater specified in tables S4.1 and S4.3;
 - (b) Landfill gas specified in tables S4.2 and S4.4
- 4.2.2 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the 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 5 table S5.1;
 - (b) for the reporting periods specified in schedule 5 table S5.1 and using the forms specified in schedule 5 table S5.3; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

Schedule 4 – Emissions and monitoring

Table S4.1 Trigger Levels for emissions into groundwater and monitoring requirements					
Monitoring point reference	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
BH8	Ammoniacal nitrogen	2.32 mg/l	Spot sample	Every 3 months.	In accordance with Environment Agency - Landfill Technical Guidance Note (LFGTN) 02, "Monitoring of Landfill Leachate, Groundwater and Surface Water", unless otherwise agreed in writing with the Agency.
	Chloride	250 mg/l			
	Sulphate	1200 mg/l			
BH10A	Ammoniacal nitrogen	2.42 mg/l			
	Chloride	250 mg/l			
	Sulphate	1475mg/l			
BH11B	Ammoniacal nitrogen	0.41 mg/l			
	Chloride	250 mg/l			
	Sulphate	1400 mg/l			
SG3	Ammoniacal nitrogen	5.37 mg/l			
	Chloride	250 mg/l			
	Sulphate	350 mg/l			
BH7	Ammoniacal nitrogen	3.32 mg/l			
	Chloride	250 mg/l			
	Sulphate	1250 mg/l			

Table S4.2 Landfill gas in external monitoring boreholes – limits and monitoring requirements				
Monitoring point Ref. /description	Parameter	Limit	Monitoring frequency	Monitoring standard or method
SG3, BH7A BH8 BH10A, BH11B, and BB50 as shown on Drawing 001: Environmental Monitoring Locations, May 2017.	Methane	1% v/v	Monthly	In accordance with Environment Agency – Landfill Technical Guidance Note (LFGTN) 03. 'Guidance on management of landfill gas,' unless otherwise agreed in writing with the Environment Agency.
	Carbon Dioxide	10 %		
	Oxygen	No limit set		
	Atmospheric Pressure (Millibars)	No limit set		

Table S4.3 Groundwater- other monitoring requirements

Emission Point Reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
BH8, BH10A, and BH11B (for monitoring of emissions from non-hazardous waste area), as shown on drawing reference Drawing 001: Environmental Monitoring Locations, May 2017.	Groundwater level (mAOD) pH	Monthly	In accordance with in Environment Agency - Landfill Technical Guidance Note (LFGTN) 02, "Monitoring of Landfill Leachate, Groundwater and Surface Water", unless otherwise agreed in writing with the Agency.	None.
	Ammoniacal nitrogen Chloride	Quarterly		
	Alkalinity (mg/l) Cadmium (µg/l) Calcium (mg/l) Chromium (µg/l) Copper (µg/l) Dissolved oxygen (%) EC (µS/cm) Iron (mg/l) Lead (mg/l) Magnesium (mg/l) Manganese (µg/l) Nickel (mg/l) Potassium (mg/l) Sodium (mg/l) Temperature (°C) Total Oxidised Nitrogen (mg/l) Zinc (mg/l)	Every 6 months		
SG3, BH7 and BB50 (for monitoring of emissions from new inert waste area), as shown on drawing reference Drawing 001: Environmental Monitoring Locations, May 2017.	Groundwater level (mAOD) pH	Monthly	In accordance with in Environment Agency - Landfill Technical Guidance Note (LFGTN) 02, "Monitoring of Landfill Leachate, Groundwater and Surface Water", unless otherwise agreed in writing with the Agency.	Monitoring to commence at least 12 months prior to waste acceptance.
	Ammoniacal nitrogen Chloride	Quarterly		
	Antimony (µg/l) Arsenic (µg/l) Barium (mg/l) Cadmium (µg/l) Calcium (mg/l) Chromium (µg/l) Copper (µg/l) DOC (mg/l) EC (µS/cm) Fluoride (µg/l) Iron (mg/l) Lead (µg/l) Magnesium (mg/l) Manganese (µg/l) Mercury (µg/l) Molybdenum(µg/l) Nickel (µg/l) Nitrate (mg/l) Nitrite (µg/l) Potassium (mg/l) Selenium (µg/l) Sodium (mg/l) Sulphate (mg/l)	Every 6 months		

Table S4.3 Groundwater- other monitoring requirements

	TOC (mg/l)			
	TON (mg/l)			
	Total alkalinity (mg/l)			
Zinc(µg/l)				
Monitoring point base (mAOD)	Annually			
List I suite (including BTEX, PCBs and PAH)	Every 3 years			

Table S4.4 Landfill Gas Other Gas Monitoring

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
L1 (non-inert) and all in-waste gas monitoring points established in inert landfill once waste is accepted, as shown on drawing reference Drawing 001: Environmental Monitoring Locations, May 2017.	Methane	Monthly	Monitoring to be carried out in accordance with Environment Agency - Landfill Technical Guidance Note (LFGTN) 03, 'Guidance on the management of landfill gas,' unless otherwise agreed in writing with the Agency.	None
	Carbon-dioxide			
	Oxygen			
	Atmospheric pressure (millibars)			

Schedule 5 - Reporting

Table S5.1 Reporting of monitoring data

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Groundwater Parameters as required by condition 3.6.1	SG3, BH7, BH8, BH10A, BH11B and BB50	Every 12 months	30/06/2009
Landfill gas lateral migration Parameters as required by condition 3.6.1	SG3, BH7A, BH8, BH10A, BH11B and BB50	Every 3 months	30/06/2009
Other Landfill gas monitoring Parameters as required by condition 3.6.1	All in waste gas monitoring points shown on drawing reference Drawing 001: Environmental Monitoring Locations, May 2017.	Every 3 months	30/06/2009

Schedule 3 – conditions to be added

None