Variation notice with introductory note

Environmental Permitting (England & Wales) Regulations 2007

Beechwood Nurseries Landfill

Summerleaze Limited
Farnham Lane
Farnham Royal
Slough
Berkshire
SL2 3SD

Variation notice number
EPR/BU0605IR/V004

Permit number

EPR/BU0605IR

Beechwood Nurseries Landfill
Permit Number EPR/BU0605IR

Introductory note

This introductory note does not form a part of the permit

The following notice, which is issued pursuant to regulation 20 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations S.I.2007 No. 3538 (the Regulations), gives notice of the variation of an environmental permit to operate a regulated facilities.

The variation extends the permitted area to include 6 new cells for the disposal of inert waste, located to the North of Allerds Farm and the South of Leys Farm. This will increase the size of the site to approximately 15ha.

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

Status Log of the permit		
Detail	**Date**	**Response Date**
Application BU0605	Duly made 25 March 2003	
Response to request for information regarding expenditure plan and area of planning permission	Request dated 18 April 2003	Response dated 9 May 2003
Response to request for information regarding hydro-geological risk assessment	Requested 1 September 2003 Schedule 4 Notice 23 December 2003 Schedule 4 Notice 11 February 2004- extended 14 days Request 6 May 2004	Response dated 7 November 2003 Response dated 19 January 2004 Response dated 24 March 2004 Response dated 25 May 2004
Permit BU0605IR determined	14 July 2004	
Variation DP3039UB	13 August 2007	
Variation HP3437UT	28 September 2007	
Application YP3336XB to vary permit	Duly made 7 August 2008	
Schedule 5 Notice requiring further information on Hydrogeological Risk Assessment	Requested 6 January 2009	Response dated 29 January 2009
Additional quantitative Stability Risk Assessment	17 March 2009	20 March 2009
Variation EPR/BU0605IR/V004 issued	29 May 2009	

End of Introductory Note.

Notice of variation

Environmental Permitting
(England and Wales) Regulations 2007

Permit number EPR/BU0605IR

The Environment Agency in exercise of its powers under Regulation 20 of the Environmental Permitting (England and Wales) Regulations 2007 (SI 2000 No 3538) varies the permit as set out below.

Summerleaze Limited ("the operator"),

whose registered office is:

7 Summerleaze Road
Maidenhead
Berkshire
SL6 8SP

Company registration number **1738920**

Holds a permit to operate a regulated facility at:

Beechwood Nurseries
Farnham Lane
Farnham Royal
Slough
Berkshire
SL2 3SD

and that permit is varied to the extent set out in Schedules 1 to 3 of this notice.

The notice shall take effect from 29 May 2009

Name **Mel Bischer**	Date
Mel A Bischer	29/05/09

Authorised on behalf of the Agency

SCHEDULE 1 – CONDITIONS TO BE DELETED

None

SCHEDULE 2 – CONDITIONS TO BE AMENDED

The following conditions are amended as follows:

Condition 1.3.1 to be amended to:

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 Agency dated 29 May 2009 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 Agency.

Condition 2.8.5 to be amended to:

2.8 Waste acceptance

2.8.5 The total quantity of waste that shall be deposited in the landfill shall be limited by the levels shown on drawing reference Restoration, Number 3, dated April 2008.

Schedule 1 – Operations

Table S1.2 to be amended to:

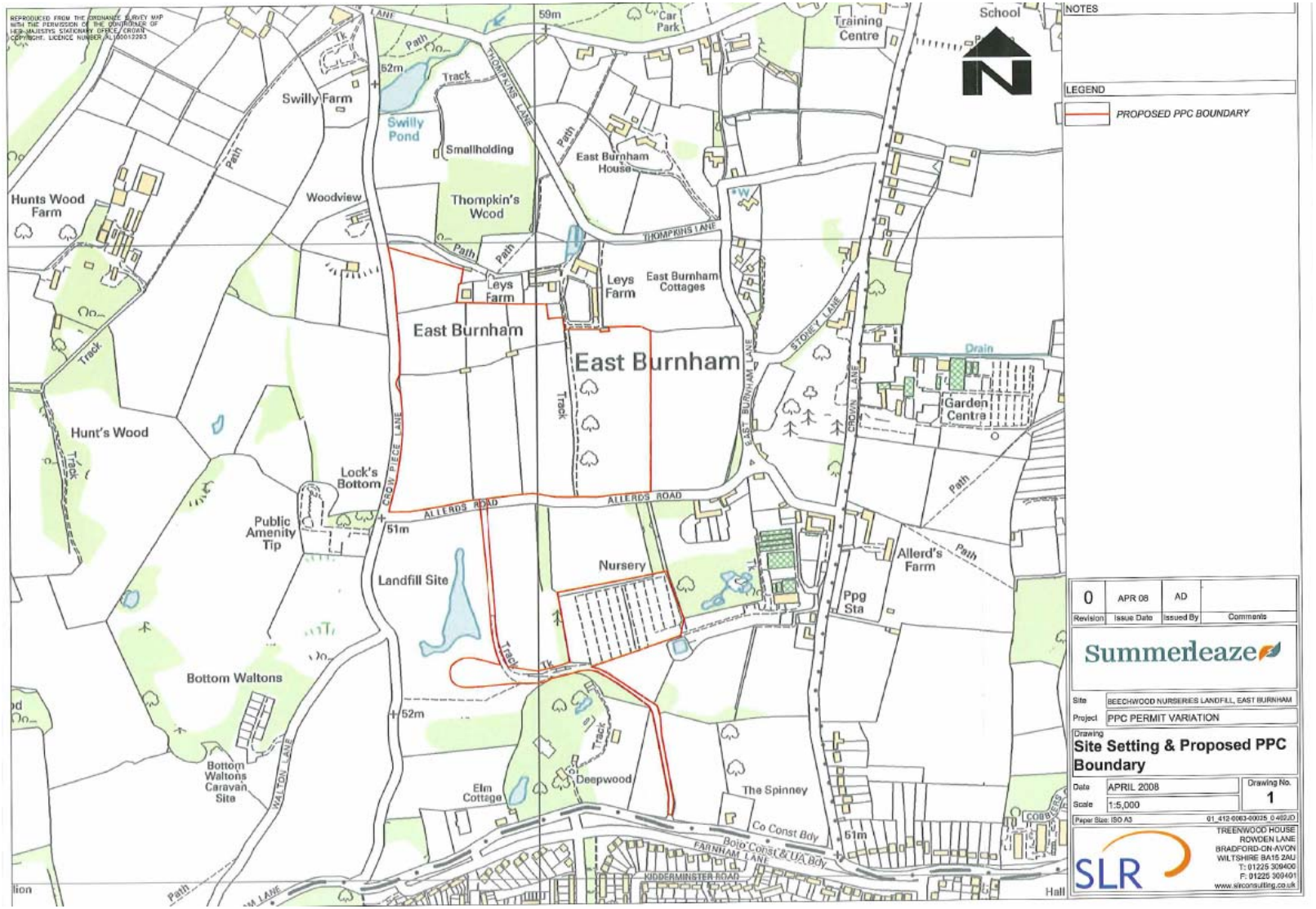
Table S1.2 Operating Techniques		
Description	**Parts**	**Date Received**
Application	The details provided within sections 1 to 12 of the Development Plan. The information contained within letters from SLR Consulting Ltd dated: 19 January 2004, 24 March 2004, 25 May 2004 and 30 June 2004, which should be considered as part of the application	25 March 2003 19 January 2004 24 March 2004 25 May 2004 02 July 2004
Procedure identifying the location, frequency and contingency plan for monitoring gravel groundwater south of the landfill.	All	2004
PPC Permit Variation Supporting Statement dated April 2008	Section 1.2	24 April 2008
Hydrogeological Risk Assessment, dated April 2008	Sections 2.6, 3.1, 3.3, 3.4	24 April 2008
PPC Permit Variation Stability Risk Assessment dated April 2008	Sections 1.2.2, 1.2.4, 1.2.6	24 April 2008
PPC Permit Variation Nuisance and Health Risk Assessment dated April 2008	Section 2.2.4	24 April 2008
Further information regarding	All	29 January 2009

Table S1.2 Operating Techniques		
geological barrier		
Further information to support hydro-geological risk assessment, dated 29 January 2009	All	29 January 2009
Surface water management plan	All	29 January 2009
Further information to support stability risk assessment	All	20 March 2009

Table S1.3 to be amended to:

Table S1.3 Annual waste input limits	
Category	**Limit tonnes/year**
Inert Wastes	150,000

Schedule 2 – Site Plan to be amended to:



Schedule 3 – List of permitted wastes

Table S3.1 to be amended to:

Table S3.1 Permitted wastes for inert landfill

EWC	Description	Restrictions
10 11 03	waste glass based fibrous materials	Only without organic binders
15 01 07	glass packaging	
17 01 01	concrete	Selected C&D waste only[a]
17 01 02	bricks	Selected C&D waste only[a]
17 01 03	tiles and ceramics	Selected C&D waste only[a]
17 01 07	mixtures of concrete , bricks, tiles and ceramics	Selected C&D waste only[a]
17 02 02	glass	
17 05 04	soil and stones	Excluding topsoil and peat; excluding soil and stones from contaminated sites
19 12 05	glass	
20 01 02	glass	Separately collected glass only
20 02 02	soil and stones	Only from garden and parks waste: excluding topsoil and peat.

[a]Selected construction and demolition waste (C&D waste) with low contents of other types of materials (like metals, plastic, organics, wood, rubber etc). The origin of the waste must be known.

No C&D waste from constructions, polluted with inorganic or organic dangerous substances, e.g. because of production processes in the construction, soil pollution, storage and usage of pesticides or other dangerous substances etc, unless it is made clear that the demolished construction was not significantly polluted.

No C&D waste from constructions treated, covered or painted with materials containing dangerous substances in significant amounts.

Schedule 4 – Emissions and monitoring

Table S4.1 to be amended to:

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 (for monitoring of emissions from non-hazardous waste area)	Ammoniacal nitrogen	0.9 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	250 mg/l			
BH10 (for monitoring of emissions from non-hazardous waste area)	Ammoniacal nitrogen	0.9 mg/l			
	Chloride	250 mg/l			
	Sulphate	250 mg/l			
BH11A (for monitoring of emissions from non-hazardous waste area)	Ammoniacal nitrogen	0.9 mg/l			
	Chloride	250 mg/l			
	Sulphate	250 mg/l			
BH1 (for monitoring of emissions from inert waste area).	Ammoniacal nitrogen	4.9 mg/l	Spot sample	Every 3 months, commencing at least 12 months prior to waste acceptance.	
	Chloride	250 mg/l			
	Sulphate	250 mg/l			
BH7 (for monitoring of emissions from inert waste area).	Ammoniacal nitrogen	13.4 mg/l			
	Chloride	250 mg/l			
	Sulphate	938 mg/l			

Table S4.2 to be amended to:

Table S4.2 Landfill gas in external monitoring boreholes- limits and monitoring requirements				
Monitoring point reference	**Parameter**	**Limit (including unit)**	**Monitoring frequency**	**Monitoring standard or method**
B/H's 1, 7, 8, 10, 11A, and ML5 as shown on drawing reference	Methane	1% v/v	Monthly	In accordance with Environment
	Carbon Dioxide	1.5% v/v		
	Oxygen	No limit set		

Table S4.2 Landfill gas in external monitoring boreholes- limits and monitoring requirements				
Site Layout & Monitoring, Number 2, dated April 2008.	Atmospheric Pressure (Millibars)	No limit set		Agency - Landfill Technical Guidance Note (LFGTN) 03, 'Guidance on the management of landfill gas,' unless otherwise agreed in writing with the Agency.

Table S4.3 to be amended to:

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, BH10, and BH11A (for monitoring of emissions from non-hazardous waste area), as shown on drawing reference Site Layout & Monitoring, Number 2, dated April 2008.	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		
BH1, BH7 and ML5 (for monitoring of emissions from new inert waste area),as shown on drawing reference Site Layout & Monitoring,	Groundwater level (mAOD) pH	Monthly	In accordance with in Environment Agency - Landfill Technical Guidance Note (LFGTN) 02, "Monitoring of Landfill Leachate,	Monitoring to commence at least 12 months prior to waste acceptance.
	Ammoniacal nitrogen Chloride	Quarterly		
	Antimony (µg/l) Arsenic (µg/l)	Every 6 months		

Table S4.3 Groundwater- other monitoring requirements				
Number 2, dated April 2008.	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) TOC (mg/l) TON (mg/l) Total alkalinity (mg/l) Zinc(µg/l)		Groundwater and Surface Water", unless otherwise agreed in writing with the Agency.	
	Monitoring point base (mAOD)	Annually		
	List I suite (including BTEX, PCBs and PAH)	Every 3 years		

Table S4.4 to be amended to:

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 Site Layout & Monitoring, Number 2, dated April 2008.	Methane Carbon-dioxide Oxygen Atmospheric pressure (millibars)	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

Schedule 5 – Reporting

Table S5.1 to be amended to:

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	BH1, BH7, BH8, BH10, BH11A, and MP5	Every 12 months.	30/06/2009
Landfill gas lateral migration Parameters as required by condition 3.6.1	BH1, BH7, BH8, BH10, BH11A, L1 and ML5	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 Site Layout & Monitoring, Number 2, dated April 2008, and as agreed under improvement condition 1 below.	Every 3 months.	30/06/2009

SCHEDULE 3 – CONDITIONS TO BE ADDED

Condition 2.10 to be added:

2.10 Improvement Programme

2.10.1 The operator shall complete the improvements specified in table S1.4 by the date specified in that table unless otherwise agreed in writing by the Agency.

2.10.2 Except in the case of an improvement condition which consists only of a submission to the Agency, the operator shall notify the Agency within 14 days of completion of each improvement.

Table S1.4 to be added:

Schedule1 – Operations

Table S1.4 Improvement Programme Requirements		
Reference	**Requirement**	**date**
1	The operator shall submit proposals to the Environment Agency for approval, showing the location of further in waste gas monitoring points, to ensure representative monitoring of all parts of the landfill and describing the action plan that will be implemented should methane be detected within the in waste monitoring points at levels above 1%v/v.	30/09/ 2009
2	The operator shall install the monitoring points described in improvement condition 1, above, in each phase of the landfill as final levels in that phase are reached.	As final levels are reached.

END OF VARIATION.