

Variation notice with introductory note

Environmental Permitting (England & Wales) Regulations 2007

Glogue Quarry Landfill

Mansel Davies and Son Limited
Glogue Quarry
Crymych
Hermon
Pembrokeshire
SA36 0ED

Variation notice number
EPR/BP3598FJ/V002

Permit number
EPR/BP3598FJ

Glogue Quarry Landfill

Permit number EPR/BP3598FJ

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 facility.

This is an Agency Variation to add Improvement conditions in order for the site to provide a closure and aftercare plan in order for the site to be classed as definitively closed.

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.

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

Status Log of the permit		
Detail	Date	Response Date
Waste Disposal Licence WD057 issued to Mansel Davies and Son Limited	31/07/92	
WD057 converted to WML 34047	01/05/94	
WML 34047 Agency Variation submitted	12/11/07	
EPR/BP3598FJ Varied	24/11/09	

End of Introductory Note

Notice of variation

Environmental Permitting
(England and Wales) Regulations 2007

Permit number

EPR/BP3598FJ

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.

Mansel Davies and Son Limited ("the operator"),

whose registered office is

Station Yard, Llanfrynach, Pembrokeshire, SA35 0BZ

company registration number **00812036**

holds a permit to operate a regulated facility at

Glogue Quarry Landfill

Glogue Quarry

Crymych

Hermon

Pembrokeshire

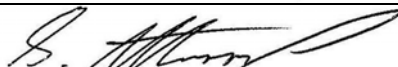
SA36 0ED

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

The notice shall take effect from 24 November 2009

Name

Date

	24 th November 2009
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Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None.

Schedule 2 – conditions to be amended

None.

Schedule 3 – conditions to be added

The following conditions are added to the permit

Schedule D – Operations

28. The design, location and construction proposals for the groundwater monitoring points, referred to in Improvement condition 7, if approved in writing by the Environment Agency and deemed necessary by virtue of the outcome of the study in Improvement condition 3, shall be implemented by the Operator.

29. The landfill gas monitoring proposals referred to in Improvement conditions 1 and 4, on approval in writing by the Environmental Agency, shall be implemented by the Operator.

30. The Operator shall submit in writing to the Environment Agency, vertical cross-sections showing constructional details and depths and borehole logs from the construction of each groundwater and gas monitoring point.

31. See Table 1 below: Table 1 Improvement programme requirements
Inert Landfill

Reference	Requirement	Date
IP1	<p><u>Overall Plan.</u> The operator shall submit a plan for agreement showing the area(s) of the site which are considered to be definitively closed and the proposed locations of trial pits and spike testing.</p> <p>The Plan shall include written proposals to the Environment Agency for approval to enable representative monitoring for landfill gas, waste content and leachability within the waste body at the permitted landfill.</p> <p>The landfill gas monitoring proposals shall include but not be limited to:</p> <ul style="list-style-type: none"> • distribution/location of monitoring points • design, borehole logs, proposed installation method and well completion details for all monitoring points • monitoring methods, and frequency of sampling • data collection and reporting • contingency actions on detection of landfill gas within the waste <p>The landfill gas monitoring proposals shall be prepared in accordance with relevant guidance contained in Environment Agency publication "Guidance on the management of landfill gas" (LFTGN03).</p>	28 February 2010
IP2	<p><u>Stability.</u> The operator shall submit evidence that the waste mass is stable, to include slope stability calculations and final site levels as required under Agency guidance "RGN7 - requirements for landfills that stop operating: closure and aftercare".</p>	31 March 2010
IP3	<p><u>Hydrogeological desk study.</u> The operator shall undertake a desk-top study of the hydrogeology within the locality, to establish water table levels and whether the site and waste deposits are within or could significantly affect the water table.</p>	30 April 2010
IP4	<p><u>Gas, waste content and leachability.</u> The operator shall construct trial pits and carry out spike testing, in accordance with locations which were agreed in Reference IP1, to establish waste content, leachability and gassing.</p>	31 May 2010
IP5	<p><u>Groundwater monitoring plan.</u> If the study undertaken in Reference IP3, above, shows that a significant risk exists to the groundwater, the operator shall prepare and submit to the Environment Agency for approval a groundwater monitoring plan. The groundwater monitoring plan shall incorporate but shall not be limited to:</p> <ul style="list-style-type: none"> • development of conceptual model to define sources, pathways and receptors; • review of available information to date (previous environmental monitoring, intrusive investigations and leach ability testing, etc) to ascertain the capacity of the waste body to leach contaminants; • monitoring for characterisation of background groundwater quality; • indicator monitoring to measure any impact the landfill may have on groundwater quality; • quality assurance for sampling, testing, data handling, reporting; • monitoring suites; • frequency of monitoring; • selection of parameters for control and trigger levels; • iterative derivation of control and trigger levels; • review of monitoring information, and contingency actions; and • reporting to the Environment Agency 	31 May 2010

	The groundwater monitoring plan shall be prepared in accordance with relevant guidance contained in Environment Agency publication "Guidance on monitoring landfill leachate, groundwater, and surface water" (LFTGN02).	
IP6	The groundwater monitoring plan, if approved in writing by the Environment Agency, shall be implemented by the Operator.	01 June 2010
IP7	Monitoring points. Dependant on the recommendations of the groundwater monitoring plan as agreed by the Environment Agency under IP5 above, the Operator shall submit written proposals for approval for the location, design and construction of a minimum of one groundwater monitoring point, to be located up-hydraulic gradient of the landfill, and a minimum of one groundwater monitoring point, to be located down-hydraulic gradient of the landfill in. The location of the up-hydraulic gradient monitoring point(s) shall be selected to enable representative measurement of background groundwater quality up-hydraulic gradient of the permitted landfill, and unless otherwise agreed in writing with the Environment Agency, owing to the constraints posed by the quarry walls, shall not be closer than 10 metres to the permitted landfill, and shall not be closer than 10 metres to any other landfill. The location, design and construction proposals for the groundwater monitoring point(s) shall be in accordance with relevant guidance contained within Environment Agency publication 'Guidance on monitoring of landfill leachate, groundwater and surface water' (LFTGN02).	1 March 2010
IP8	The design, location and construction proposals for the groundwater monitoring points, referred to in IP7 above, if approved in writing by the Environment Agency and deemed necessary by virtue of the study in IP3, shall be implemented by the Operator.	01 June 2010
IP9	The landfill gas monitoring proposals referred to in IP 1 and 4 above, on approval in writing by the Environment Agency, shall be implemented by the Operator.	01 June 2010
IP10	The Operator shall submit in writing to the Environment Agency, vertical cross-sections showing constructional details and depths and borehole logs from the construction of each groundwater and gas monitoring point.	01 June 2010

Schedule 4 – amended plan

None