



**Cyfoeth
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**Natural
Resources**
Wales

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Cory Environmental (Gloucestershire)
Ltd

Tir John Landfill Site
Wern Fawr Road
Off Fabian Way
Port Tennant
Swansea
SA7 8PA

Variation application number
EPR/VP3935AT/V002

Permit number
EPR/VP3935AT

Tir John Landfill Site

Permit number EPR/VP3935AT

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.

Several monitoring tables have been varied to amend minor errors and the condition relating to pre-settlement levels has been corrected following a substantial variation to the permit issued on 2nd September 2013.

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
Application received TP3935LA/A001 (PAS Ref CP3635PQ)	30/04/04	Application for Non Hazardous Landfill
Permit refused	17/01/05	
Appeal lodged	14/07/05	
Permit Issued TP3935LA	12/10/07	Permit Issued to Swansea City Waste Disposal Limited
Variation Application TP3935LA/V002 (PAS Ref WP3433XR)	25/10/07	
Variation determined	09/11/07	
Variation Application (EPR/TP3935LA/V003)	01/11/11	Admin variation to add waste codes
Variation determined	09/01/12	
Application EPR/TP3935LA/V004 (variation and consolidation)	Duly made 22/06/12	Application to vary to change the design of cells 16 and 17, amend leachate heads, update groundwater compliance limits and update the permit to modern conditions.

Variation determined EPR/TP3935LA	02/09/13	Varied and consolidated permit issued in modern condition format.
Transfer Application EPR/LP3635EY/T001	Duly Made 20/10/2013	Transfer application with no change in management.
Transfer Determined Application EPR/VP3935AT/T001 (full transfer of permit EPR/LP3635EY)	28/02/2014 Duly made 26/06/2015	New permit number EPR/LP3635EY Application to transfer the permit in full to Cory Environmental (Gloucestershire) Ltd and incorporate minor variations regarding pre- settlement issues.
NRW initiated variation (EPR/VP3935AT/V002)	Received 26/06/2015	NRW initiated variation to correct minor errors detected in the previous consolidation.
Transfer determined EPR/VP3935AT	30/09/2015	Full transfer of permit complete.
NRW initiated variation (EPR/VP3935AT/V002)	30/09/2015	Permit issued to Cory Environmental (Gloucestershire) Limited

Other Part A installation permits relating to this installation

Operator	Permit number	Date of issue
Infinis (Re-Gen) Limited	EPR/BP3738LS	22/12/2006

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

The Natural Resources Body for Wales (“Natural Resources Wales”) in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

Permit number
EPR/VP3935AT

issued to:
Cory Environmental (Gloucestershire) Limited (“the operator”)

whose registered office is

2 Coldbath Square
London
EC1R 5HL

company registration number 02664840

to operate a regulated facility at

Tir John Landfill
Wern Terrace
Off Fabian Way
Swansea
SA7 9XT

to the extent set out in the schedules.

The notice shall take effect from 30/09/2015

Name

Date

	30 September 2015
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Eirian Macdonald
Authorised on behalf of Natural Resources Wales

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.

The following conditions are amended as detailed, as a result of the application made by the operator.

1.2 Finance

1.2.1 The financial provision for meeting the obligations under this permit set out in the agreement made between the City and County Council of Swansea and Natural Resources Wales dated 28/02/2014 shall be maintained by the City and County Council of Swansea throughout the subsistence of this permit and the operator shall produce evidence of such provision whenever required by Natural Resources Wales.

The following conditions are amended as detailed, following an NRW initiated variation

2.7.5 The total quantity of waste that shall be deposited in the landfill shall be limited by the pre-settlement levels shown on drawing ESID/4b (Revision 1 (dated: 26/11/13)).

The following tables which are referenced in condition 3.1.1 have been amended as follows:

Table S3.1 is amended to:

Table S3.1 Leachate level limits and monitoring requirements			
Monitoring point reference/ Description	Limit	Monitoring frequency	Monitoring method
LEW5A (Cell 5), LEW6 (Cell 6), LEW7(Cell 7), LEW8(Cell 8), LEW9A (Cell 9), LEW10A (Cell 10), LEW11A (Cell11), LEW12A (Cell12), LEW28 (Cell13), LEW29 (Cell14), LEW20(Cell 5), LEW 21(Cell 6), LEW22 (Cell 7), LEW23 (Cell 8), LEW 24 (Cell 9), LEW25(Cell 10), LEW26(Cell11), LEW27 (Cell 12), LEW28(Cell 13), LEW29 (Cell14), LEW30 (Cell14) as shown on drawing references: LP3635EY/2014/APR/C rev.0.	1m above well base*.	Fortnightly for wells in uncapped cells and monthly for wells in fully capped cells.	In accordance with Environment Agency document 'Guidance on monitoring of landfill leachate, groundwater and surface water' (LFTGN02), unless otherwise agreed in writing.
Any additional monitoring well/s subsequently installed			
LEW5 (Cell 5), LEW10 (Cell 10), LEW11 (Cell 11), LEW12 (Cell12), LEW28 (Cell 13), LEW29 (Cell14), LEW15 (Cell15), LEW31 (Cell15), LEW32 (Cell 15) as shown on drawing references: LP3635EY/2014/APR/C rev.0.	1m above cell base unless otherwise agreed in writing.		
New wells to be installed as part of Improvement Condition 19A (LEW6A, LEW7A, LEW8A, LEW9) as shown on drawing reference: B1160001/ TP3935LA/ EPVA/ESID/15. Rev.0.			
New wells to be installed as part of the construction of Cells 16 and 17 (LEW16, LMP16A, LMP16B, LEW17, LMP17A, LMP17B) as shown on drawing reference: B1160001/ TP3935LA/ EPVA/ESID/15. Rev.0.			
* As part of the annual monitoring report the operator shall submit a summary table providing the elevation in (mAOD) of the top of each well, the depth of the well and an elevation value (in mAOD) for each well base. The information shall be based on the previous year's annual well survey. The report should also highlight any structural changes to any of the well's that may affect level assessment (e.g. changes to well height).			

Table S3.2 is amended to:

Table S3.2 Point source emissions to water (other than sewer) – emission limits and monitoring requirements						
Emission point Ref. & Location	Parameter	Source	Limit	Reference Period	Monitoring Frequency	Monitoring Standard or Method
SW1 as shown on Drawing Number B1160001/TP3935L A/EPVA/ESID/6d. Rev.1.	Flow	Discharge from the surface water lagoon	40 l/s	24hr average	Daily	In accordance with Environment Agency document 'Guidance on monitoring of landfill leachate, groundwater and surface water' (LFTGN02), unless otherwise agreed in writing.
	Suspended Solids		40 mg/l	Spot Sample	Monthly	
	Biological Oxygen Demand		20 mg/l			
	Ammoniacal Nitrogen		0.5 mg/l			

Table S3.8 is amended to the following:

Table S3.8 Leachate– other monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
LEW5, LEW6, LEW22, LEW23, LEW9A, LEW25, LEW26, LEW12A, LEW28, LEW29, LEW31, LEW16, LEW17 as shown on drawing references: LP3635EY/2014/APR/C rev.0. and IPDS-1, IPDS-2, IPDS-3 (locations to be agreed with NRW)	BOD	Six	Spot	
	COD	Monthly	Sample	
	Conductivity			
	DO			
	pH			
	Temperature			
	Sodium,			
	Ammoniacal Nitrogen as N,			
	Cadmium (dissolved),			
	Chloride,			
	Mecoprop,			
	Reactive Phosphorus,			
	Zinc (dissolved),			
	Benzo(a) pyrene,			
Atrazine,				
Cis-1,2-dichloroethene,				
Dichloroprop				
Tributyl Phosphate,				
1,2,4-trimethylbenzene,				

Table S3.8 Leachate– other monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
	Lead,			
	Phenol (Monohydric),			
	1,2-dichloroethane,	Annually	Spot Sample	
	2,3,6-trichlorophenol,			
	2,4,5- trichlorophenol,			
	2,4,6- trichlorophenol,			
	Arsenic,			
	Benzene,			
	Benzo(b)fluroranthene,			
	Benzo(ghi)perylene			
	Benzo(k)fluroranthene			
	Boron			
	Chlorobenzene,			
	Chloromethane			
	Chromium			
	Copper			
	Dichloromethane			
	Ethyl benzene			
	Fluoride			
	Indeno(1,2,3cd) pyrene,			
	m,p-xylene			
	Mercury			
	Molybdenum			
	Naphthalene			
	Nickel			
	Nitrate			
	o-xylene			
	Pentachlorophenol			
	p-isopropyltoluene			
	Potassium			
	Selenium			
	Toluene			
	Tributyltin			
	Vanadium			
	Depth to base of each well			

Table S3.9 is amended to:

Table S3.9 Surface water – other monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
SW1, SW2, SW3, SW4 as shown on Drawing Number B1160001/TP3935LA/EPV A/ESID/6d. Rev.0.	Visual Inspection for evidence of Contamination	Weekly	Unless otherwise agreed in writing, monitoring methods used shall be in accordance with Environment Agency document 'Guidance on monitoring of landfill leachate, groundwater and surface water' (LFTGN02).	See the Approved Surface Water Management Plan (dated 14 th November 2008 for applicable Control Levels.
	Temperature	Monthly		
	pH			
	Dissolved Oxygen			
	Ammoniacal Nitrogen			
	Chloride			
	Chemical Oxygen Demand			
	Biological Oxygen Demand			
	Total Organic Carbon			
	Total Phosphate			
	Nitrate			
	Nitrite			
	Organic Nitrogen as N Total			
	Oxidised Nitrogen as N			
	DAIN*			
	DAIP**			
	Suspended Solids			
	Zinc	Annually		
	Lead			
	Nickel			
	Copper			
	Chromium			
	Cadmium			
Manganese				
Iron				
Sulphate				
Alkalinity				
Potassium				
Sodium				

Schedule 3 – conditions to be added

None