

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Controlled Reclamation (Oxford) Limited

Dix Pit Aggregate Recycling Facility

Dix Pit

Stanton Harcourt

Oxfordshire

OX29 5BB

Variation application number

EPR/FB3430DD/V007

Permit number

EPR/FB3430DD

Dix Pit Aggregate Recycling Facility

Permit number EPR/FB3430DD

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.

The Dix Pit facility is permitted to accept, treat and store inert, non-hazardous and hazardous wastes upto the total combined capacity of 250,000 tonnes of waste per annum. The non-hazardous waste primarily comprises of construction and demolition wastes and aggregates, road sweeping and gully wastes, and repackaging wastes. The wastes are manually and mechanically segregated for onward recovery, trommelling and shredding as well as being passed through a soil washing plant after which the washed recovered aggregates are sorted by size to provide recycled and reusable homogenous products such as graded sands.

This application is to vary the permit to:

- include an additional activity ('A5') for the processing and storage of non-hazardous waste streams from skip waste origins with specific non-hazardous List of Waste codes up to 30,000 tonnes a year
- increase the permit boundary to incorporate a former access route along the eastern edge which was previously the access to the now closed landfill that this facility is built upon.

The site is divided into three zones:

Zone A - non-hazardous storage, processing and storage of recovered material

Zone B - hazardous waste storage area

Zone C – activity 'A5' waste transfer station.

When non-operational, the hazardous waste storage area can be used for storing recovered aggregate.

The 'A5' activity consists of a large feedstock lean-to covered waste processing area (B1 and B2), segregated high recyclable wastes in concrete storage bays or containers (B3 to B7) and a quarantine area. It has a throughput capacity of 30,000 tonnes non-hazardous waste per year (skips) from mixed commercial and industrial waste or segregated bulk waste streams comprising aggregate from construction and demolition, timber, plastic, paper, cardboard, plasterboard, metals and textiles. The processing includes manual and/or mechanical segregation, trommelling, a picking station, and shredding. All processing and storage of feedstock waste is undertaken under cover and a separate dust management plan has been produced for the 'A5' activity. Segregated non-hazardous wastes are stored externally on concrete over a sealed drainage system. Any segregated inert aggregate waste is moved to activity 'A4' for further processing and recovery.

The addition of activity 'A5' is in anticipation of the closure of the landfill and waste transfer station at Slape Hill, near Woodstock moving the transfer station to Dix Pit to facilitate the Sheehan Group's existing contracts.

As there is no proposed increase in the total volume of waste to be managed at the site, there is a nominal reduction in the permitted annual capacity for 'A4' from 225,500 tonnes down to 195,500 tonnes to accommodate the 30,000 tonnes for 'A5'. Activities 'A1', 'A2' and 'A3' remain unchanged. The waste acceptance criteria and rejection procedures remain unchanged and only pre-selected contracts are permitted at the site. All facility activities are undertaken on an impermeable surface with a sealed drainage system.

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	Duly made 12/03/2012	Application for standard rules SR2009No6 – inert and excavation waste transfer station with treatment.
Permit determined EAWML 103944	04/04/2012	Original permit issued to Controlled Reclamation (Oxford) Limited.
Application EPR/FB3430DD/V002	Duly made 22/11/2013	Application to add an aggregate recycling facility for non-hazardous and hazardous wastes.
Additional information received	04/11/2013	Confirmation of wastes to be accepted and clarification on Environmental Management System.
	22/11/2013	Confirmation that operations will comply with relevant guidance and an assessment of Best Available Techniques.
	03/01/2014	Clarification on: the mixing of sludge's; process controls for flocculation; cleaning of the hazardous waste storage area; operation of the quarantine area and containment arrangements for clay.
	29/01/2014	Confirmation that: there will be no cross contamination between the treatment of hazardous wastes and the treatment of non-hazardous wastes; on the design of the surface water drainage pond and the surfacing site.
Variation determined EPR/FB3430DD	05/02/2014	Varied permit issued.
Application EPR/FB3430DD/V003	Duly made 15/04/2015	Administrative variation application to add two hazardous and non-hazardous waste codes to the permit.
Variation determined EPR/FB3430DD	22/05/2015	Varied permit issued.
Application EPR/FB3430DD/V004	Duly made 11/01/2017	Application to increase site boundary and add one non-hazardous waste code to the permit.
Additional information received EPR/FB3430DD/V004	11/01/2017	Confirmation that no hazardous waste or non-hazardous waste, feedstock storage or treatment will be in the extended area. Provided further details explaining what additional waste is, its composition and the process it is from, the process operator intends to add this to and justification as to why it's suitable for the recovery operation. Submitted Attachment A to the Site Condition Report and provided clarification on what "Window Sample Investigation" is. Also provided confirmation that documents following Attachment B (and prior to Attachment C) is the Window Sample Investigation.
Variation determined EPR/FB3430DD	23/03/2017	Varied permit issued.
Application EPR/FB3430DD/S005	Duly made 22/02/2018	Application to partially surrender land.
Application EPR/FB3430DD/V006	Duly made 22/02/2018	Application to relocate the quarantine area to within the revised site boundary.
Additional information received	04/05/2018, 23/05/2018, 25/05/2018, 04/06/2018	Confirmation of the quarantine area infrastructure and storage provisions and agreement to store only non-hazardous wastes in the new area. Drawing 133263/PS/003 provided showing the new area.

Status log of the permit		
Description	Date	Comments
Partial surrender and variation notice issued. Billing Ref: AP3538JR	18/06/2018	Part surrender and variation complete.
Application EPR/FB3430DD/V007	Duly made 14/12/2018	Variation to add non-hazardous waste activity 'A5', add additional waste codes to activity 'A4' and increase the installation boundary.
Additional information received (responses to Schedule 5 Notice dated 24/12/2018)	14/01/2019	Removal from application of additional waste codes for activity 'A4'.
Additional information received (responses to Schedule 5 Notice dated 17/01/2019)	07/02/2019	Revised FPP.
Variation determined EPR/FB3430DD	26/03/2019	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/FB3430DD

Issued to

Controlled Reclamation (Oxford) Limited (“the operator”)

whose principal office is

**30 Bankside
Kidlington
Oxfordshire
OX5 1JE**

company registration number 01201031

to operate a regulated facility at

**Dix Pit Aggregate Recycling Facility
Dix Pit
Stanton Harcourt
Oxfordshire
OX29 5BB**

to the extent set out in the schedules.

The notice shall take effect from 26/03/2019

Name	Date
Adam Lunn	26/03/2019

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None.

Schedule 2 – conditions to be amended

The following condition and tables are amended as a result of the application made by the operator.

Condition 2.3.3 to include reference to added activity 'A5'.

2.3.3 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in schedule 2 table(s) S2.2, S2.3 and S2.4; and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

Table S1.1 to include reference to added activity 'A5'.

Table S1.1 - Activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
A1	S5.3 A(1)(a)(vi) Recovery of hazardous waste with a capacity exceeding 10 tonnes per day.	Physical treatment, including soil washings, of hazardous waste. R5- Recycling/ reclamation of inorganic materials other than metals and metal compounds.	From receipt of waste, sorting, separation, screening, crushing, washing and agitation to despatch of recovered material. All treatment must take place on an impermeable surface with a sealed drainage system. Waste types specified in Table S2.2. Excluding wastes with hazardous properties H1, H2, H3-A, H3-B, H4, H8, H9, H10 and H11 and H12. Wastes having any of the following characteristics shall not be accepted: - Consisting solely or mainly of dusts, powders or loose fibres - Wastes in a liquid form.
A2	S5.6 A(1)(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).	From receipt of waste, storage to treatment by Activity A1. All storage must take place on an impermeable surface with sealed drainage. Waste types as specified on Table S2.2. Excluding wastes with hazardous properties H1, H2, H3-A, H3-B, H4, H8, H9, H10 and H11 and H12. Wastes having any of the following characteristics shall not be accepted: - Consisting solely or mainly of dusts, powders or loose fibres - Wastes in a liquid form.

Table S1.1 - Activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
	Directly Associated Activity		
A3	Surface water management.	Site surface water drainage from the waste reception, storage and treatment areas.	From the impermeably lined perimeter ditch via silt traps and a full retention interceptor to the clay lined surface water drainage pond.
	Description of activities for waste operations		Limits of activities
A4	<p>R5: Recycling/reclamation of other inorganic compounds.</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).</p>		<p>Treatment operations shall be limited to: Physical treatment by blending, sorting, separation, screening, crushing, washing and agitation prior to despatch of recovered material.</p> <p>All storage must take place on an impermeable surface with sealed drainage.</p> <p>Waste types specified in Table S2.3.</p> <p>Wastes having any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> - Consisting solely or mainly of dusts, powders or loose fibres. - Wastes in liquid form.
A5	<p>R3: Recycling/reclamation of organic substances which are not used as solvents.</p> <p>R4: Recycling/reclamation of metals and metal compounds.</p> <p>R5: Recycling/reclamation of other inorganic materials.</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).</p>		<p>From receipt of waste to manual and mechanical segregation, trommelling, picking station and shredding to despatch of recovered material for onward recovery.</p> <p>All storage must take place on an impermeable surface with sealed drainage. Shredding of metals not permitted.</p> <p>Waste types specified in Table S2.4.</p> <p>Wastes having any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> - Consisting solely or mainly of dusts, powders or loose fibres. - Wastes in liquid form.

Table S1.2 to include the revised Dust Emissions Management Plan, revised Fire Prevention Plan, Operational Working Plan and Technical Standards Plan submitted as part of application EPR/FB3430DD/V007.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Additional information	'Technical and Operating Standard for Aggregate Recycling of Non Hazardous and Hazardous waste' in response to Section 3a – 'Technical standards', Part C3 of the Application form.	04/11/2013
	Response to Appendix 5 ('Specific questions for the hazardous and non-hazardous waste recovery and disposal sector') of Part C3 of the application form.	22/11/2013
	'BAT Assessment of Waste Recovery Operation'	
Response to Schedule 5 Notice dated 05/12/2013	Response to question 1 to 3 detailing the mixing of sludge's prior to soil washing.	03/01/2014
	Response to question 8 confirming the process controls for flocculation.	
	Response to question 9 confirming the cleaning of hazardous waste storage area.	
	Response to questions 14 and 15 detailing the maximum storage time and volume of waste in the quarantine area.	
	Response to question 18 confirming containment arrangements for clay.	
Additional information	<p>Responses to questions 1 and 4 detailing how cross contamination between hazardous and non-hazardous waste treatment will be prevented: 'Management of Surface Water Run-off and Process Water (Rev A, 29/01/14)' and 'Cleaning of soil washing process post hazardous treatment (29/01/14)'.</p> <p>Responses to questions 2 and 3 detailing the testing of the outputs from the flotation tank and the settlement flocculation tank.</p> <p>Responses to questions 5 and 6 detailing operation of the surface water drainage pond during and after a storm event.</p> <p>Response to question 7 confirming concrete crushing and screening will take place on surfacing that is underlain by a sealed impermeable geomembrane.</p>	29/01/2014
Response to request for information dated 23/04/2018	Response to question 2 confirming that the site condition will be established in the new quarantine area through intrusive testing via trial pits and soil testing and details added to the site condition report.	04/05/2018
Response to request for information dated 15/05/2018	Response that quarantined wastes will be stored in skips and sheeted when loaded, 133263/PS/003 Quarantine Area Plan.	23/05/2018, 25/05/2018
Response to request for information dated 04/06/2018	Email response confirming quarantine procedures, whereby only non-hazardous quarantined wastes will be stored in sheeted skips in the new quarantine area, with hazardous or suspected hazardous wastes being quarantined in a segregated area of the hazardous waste storage shed or under a stand-alone enclosure, with impermeable surface and sealed drainage, with the design approved by the Environment Agency.	04/06/2018, 15/06/2018
Variation FB3430DD/V007	'Dust Emissions Management Plan' dated September 2018. 'Operational Working Plan Activity A5: Mixed Non-Hazardous Waste Transfer Station' dated September 2018.	04/10/2018

Table S1.2 Operating techniques		
Description	Parts	Date Received
Responses to Schedule 5 Notice dated 24/12/2018	'Technical and Operating Standard for Aggregate Recycling of Non-Hazardous and Hazardous Wastes' operational plan Rev 3, 133263/OTS dated January 2019.	14/01/2019
Responses to Schedule 5 Notice dated 17/01/2019	Revised Fire Prevention Plan ref: 183260/FPP, dated February 2019 (linked document: Operational Working Plan (183260/OP) - waste acceptance procedures).	07/02/2019

Table S2.3 is amended to a reduced total quantity of waste accepted for activity 'A4'.

Table S2.3 Permitted waste types and quantities for treatment activity A4	
Maximum quantity	The total quantity of waste accepted at the site shall not exceed 195,500 tonnes per year.
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 01	wastes from mineral excavation
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 04	Wastes from physical and chemical processing of non-metalliferous minerals
01 04 13	Wastes from stone cutting and sawing other than those mentioned in 01 04 07
08	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04	wastes from MFSU of adhesives and sealants (including water proofing products)
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
15	WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)
15 01 07	glass packaging
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	wood, glass and plastic
17 02 02	glass
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 08	track ballast other than those mentioned in 17 05 07
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 09	minerals (for example sand, stones)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11: silts and grits from waste transfer sites
19 13	Wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones
20 03	other municipal wastes
20 03 03	street-cleaning residues

Schedule 3 – conditions to be added

The following condition and tables are added as a result of the application made by the operator.

Condition 2.5.1 to include reference to the added improvement condition.

2.5 Improvement programme

2.5.1 The operator shall complete the improvements specified in schedule 1 table S1.4 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

Table S1.4 to include the commitment to upgrade the out of hours site security procedure and fire detection system to a fully automated detection system within one year.

Table S1.4 Improvement programme requirements		
Reference	Requirement	Date
IC1	The Operator shall submit a written report to the Environment Agency for approval detailing the proposed out of hour fully automated site surveillance and fire detection system.	31/01/2020

Table S2.4 is added for the storage of non-hazardous wastes accepted at the site for activity 'A5'.

Table S2.4 Permitted waste types and quantities for treatment and storage activity A5	
Maximum quantity	The total quantity of waste accepted at the site shall not exceed 30,000 tonnes per year.
Waste code	Description
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 01	wastes from wood processing and the production of panels and furniture
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04*
08	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04	wastes from MFSU of adhesives and sealants (including water proofing products)
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
10	WASTES FROM THERMAL PROCESSES
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 11	Wastes from cement-based composite materials other than those mentioned in 10 13 09*and 10 13 10
12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 05	plastics shavings and turnings

Table S2.4 Permitted waste types and quantities for treatment and storage activity A5	
Maximum quantity	The total quantity of waste accepted at the site shall not exceed 30,000 tonnes per year.
Waste code	Description
15	WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)
15 01 03	wooden packaging
15 01 06	mixed packaging
15 02	absorbents, filter materials, wiping cloths and protective clothing
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02*
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 02	wood, glass and plastic
17 02 01	wood
17 02 03	plastic
17 04	metals (including their alloys)
17 04 01	copper, bronze, brass
17 04 02	aluminium
17 04 03	lead
17 04 04	zinc
17 04 05	iron and steel
17 04 06	tin
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10*
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 06	dredging spoil other than those mentioned in 17 05 05*
17 06	insulation materials and asbestos-containing construction materials
17 06 04	insulation materials other than those mentioned in 17 06 01* and 17 06 03*
17 08	gypsum-based construction materials
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01*
17 09	other construction and demolition wastes
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01*, 17 09 02* and 17 09 03*
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 07	wood other than that mentioned in 19 12 06*
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 01	paper and cardboard
20 01 02	glass
20 01 10	clothes
20 01 11	textiles
20 01 38	wood other than that mentioned in 20 01 37*
20 01 39	plastics
20 01 40	metals
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 07	bulky waste

Schedule 4 – amended plan

