Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Future Industrial Services Limited

Acornfield Road Waste Management Centre
Acornfield Road
Knowsley Industrial Estate
Kirkby
Liverpool
L33 7UF

Variation application number
EPR/VP3936UG/V010

Permit number
EPR/VP3936UG

Acornfield Road Waste Management Centre
Permit number EPR/VP3936UG

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 permit for Future Industrial Services Limited has been varied to include the operation of an aggregate manufacturing activity. The installation and waste operation activities are for the recovery of air pollution control residues (APCr) filter cake produced on site. The APCr is recovered by mixing it with cement, sand and water and by pelletisation to produce a carbon neutral aggregate that is used within the construction industry.

The pelletisation activities fall under the following installation and waste operation activities:

- Section 5.3(a)(ii) – hazardous waste installation carrying out physico-chemical treatment.
- Physical treatment of non-hazardous waste.

The site is permitted to treat a combined total of 20,000 tonnes per year of hazardous and non-hazardous APCr filter cake. This is mixed with 17,400 tonnes of raw material consisting of cement, sand and water to produced 37,400 tonnes of pelletised aggregate.

APCr filter cake produced on site is stored in a bay within the pit area. A new cement silo will be installed at the site.

Pellets are stored in covered bays. This location is below ground level, which reduces the risk of wind whip. The pellets are screened into sizes while damp to remove oversize material. Once screened, the pellets are left to cure under cover for up to 28 days. Oversize pellets are stored separately as a lower grade product, as they remain suitable for use as a larger aggregate.

Water collection from the APCr filter cake storage and treatment areas, is recirculated in the treatment process. Some of the water is also reused in other processes at the site. Collected surface water is stored in a new 360 m³ tank in the pit area or in the existing press tank farm, which contains four 125 m³ tanks. Any excess water that is not recirculated is discharged via the existing site drainage system, through the emission to sewer point marked S1.

The operator has a management system that is certified to ISO 14001, ISO 9001, and ISO 45001.

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 VP3936UG	Duly made 31/08/07	-
Additional information requested	25/01/08	05/02/2008, 22/02/2008, 07/03/2008 and 20/03/2008
Additional information requested	14/04/08	15/04/2008, 18/04/2008 and 01/05/2008
Additional information requested	21/04/08	24/04/2008
Additional information requested	29/04/08	01/05/2008
Additional information requested	22/05/08	17/06/2008
Additional information received	15/08/08	-
Permit VP3936UG determined	19/09/08	-
Application EPR/VP3936UG/V002	Duly Made 27/07/09	-
Schedule 5 Notice	Submitted 28/10/09	Received 05/02/2010
Schedule 5 Notice	Submitted 08/12/09	Received 05/02/2010
Variation issued	14/04/10	Variation issued
Variation Notice EPR/VP3936UG/V003	Issued 07/02/14	Variation Notice EPR/VP3936UG/V003
Application EPR/VP3936UG/V004 (variation)	Duly made 26/08/14	Application to add new boiler plant.
Variation determined EPR/VP3936UG/V004 (PAS/Billing reference: XP3333WW)	12/09/14	Varied permit issued.
Application EPR/VP3936UG/V005	07/10/14	Application withdrawn.
Application EPR/VP3936UG/V006	09/12/14	Application to add oil distillation plant and to increase the capacity of the waste transfer station and oil/water treatment plant.
Additional information received Schedule 5 Notice	17/02/15	Response to Schedule 5 Notice dated 04/02/2015
Additional information received	03/03/15	
Variation determined	23/03/15	Consolidated and varied permit issued.
Application EPR/VP3936UG /V007 (variation and consolidation)	Duly made 29/07/15	Application to remove solvent extraction system and zeolite column and to add hydro treatment process. Application received - 08/06/2015.

		Not duly made response received - 20/07/2015. Full payment received – 29/07/15
Additional information received	25/08/15	Response to request for information on hydrogen sulphide & ammonium hydrosulphide levels & noise levels.
	16/09/15	Response to Schedule 5 Notice dated 28/08/15
Variation determined EPR/VP3936UG/V007 (Billing ref: UP3931AP)	26/10/15	Varied permit issued.
Notified of change of Registered office	22/03/23	Registered office changed to 4 Rudgate Court Walton Wetherby LS23 7BF
Variation issued EPR/VP3936UG/V008	05/06/23	Varied permit issued to Future Industrial Services Limited
Environment Agency Initiated Variation EPR/VP3936UG/V009	Ongoing	Response to Regulation 61 Notice.
Application EPR/VP3936UG/V010	Duly made 03/06/25	Application to add hazardous and non-hazardous air pollution control residue (APCr) filter cake treatment to create aggregate pellets.
Additional information received	19/12/25	Response to Schedule 5 Notice including Dust Management Plan (DMP).
	29/01/26	Email Correspondence containing information on the surface water drainage, and the APCr filter cake moisture content range at different stages of the process.
	10/03/26	Email Correspondence and response to Schedule 5 Notice providing Site Drainage Plan, and updated DMP.
	27/03/26	Email Correspondence and response to Schedule 5 Notice providing Part C4 Form.
	31/03/26	Email Correspondence and response to Schedule 5 Notice providing updated Site Plan.
Variation determined EPR/VP3936UG	31/03/26	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/VP3936UG

Issued to

Future Industrial Services Limited ("the operator")

whose registered office is
4 Rudgate Court
Walton
Wetherby
LS23 7BF

company registration number **03734986**

to operate a regulated facility at

Acornfield Road Waste Management Centre
Acornfield Road
Knowsley Industrial Park
Kirkby
Liverpool
L33 7UF

to the extent set out in the schedules.

The notice shall take effect from 31/03/2026

Name	Date
Peter Maksymiw	**31/03/2026**

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions and tables are amended as a result of the application made by the operator:

1.1 Energy efficiency

1.1.1 For the following activities referenced in schedule 1, table S1.1 A1 to A28 the operator shall:

(a) take appropriate measures to ensure that energy is used efficiently in the activities;

(b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and

(c) take any further appropriate measures identified by a review.

1.2 Efficient use of raw materials

1.2.1 For the following activities referenced in schedule 1, table S1.1 A1 to A28 the operator shall:

(a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;

(b) maintain records of raw materials and water used in the activities;

(c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and

(d) take any further appropriate measures identified by a review.

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in red on the site plan at schedule 2 to this permit.

4.2 Reporting

4.2.2 For the following activities referenced in schedule 1, table S1.1 A1 to A28, a report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

(a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;

(b) the annual production/treatment data set out in schedule 4 table S4.2; and

(c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

- Table S1.1 as referenced in condition 2.1.1 has been varied by amending the limits specified under Activity A1 and by adding Activities A15, A26 – A29.

Table S1.1 activities			
Activity Reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity**
A1	Section 5.6 A(1)(a)	Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced) R13: Storage of waste pending any of the operations numbered R1 to R 12 Storage of hazardous filter cake and sludges pending disposal D1 to D12 or recovery R1 to R13	Storage of hazardous wastes as listed in Table S2.2, column 1, marked 'X' and site derived hazardous APCr filter cake. Containerised wastes stored in the Waste Transfer Station as shown on drawing "Plan View v1.9 in appendix I". Maximum storage capacity: 2,458 tonnes. Bulk Hazardous Wastes stored in tanks as shown on drawing "Generic Tank Contents". Maximum storage capacities as detailed in Table "Tank Farm generic Contents". Maximum storage capacity 5549 tonnes. Stored in Area 1, shown on Site Plan. Hazardous wastes as listed in Table S2.2 column 9, marked 'X'. Maximum storage capacity 1000 tonnes. APCr filter cake derived from A18 shall be stored in bays and under cover within the pit area. All wastes shall be stored on site for no longer than 6 months.
A2	Section 5.3 A(1)(a)(iv)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving repackaging R1, R3, R4 and R5 D14: Repackaging prior to submission to any of the operations numbered D1 to D13	Repackaging of hazardous wastes undertaken in the Waste Transfer Station as shown on drawing Figure 1_Var. Hazardous Wastes as listed in Table S2.2 column 1, marked 'X'.
A3	Section 5.3 A(1)(a)(iii)	Disposal or recovery of hazardous waste with a capacity exceeding 10	Blending or Mixing of solvents undertaken in the Solvent Bulking Plant (tanks T10, T11, T12 and T14 as shown on

		tonnes per day involving blending or mixing R1, R3, R4 and R5 D13: Blending or mixing prior to submission to any of the operations numbered D1 to D12	drawing Figure 1_Var), including the associated emission abatement and control equipment. Hazardous Wastes as listed in Table S2.2 column 6, marked 'X'. Maximum treatment capacity: 100 tonnes/day.
A4	Section 5.3 A(1)(a)(iii)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving blending or mixing. R3, R4 and R5 D13: Blending or mixing prior to submission to any of the operations numbered D1 to D12	Blending or Mixing of wastes undertaken in the Aqueous Bulk Storage Facility (tanks T2, T3, T20 to T27 as shown on drawing Figure 1_Var). Hazardous Wastes as listed in Table S2.2 column 2, marked 'X'. Maximum treatment capacity: 500 tonnes/day.
A5	Section 5.3 A(1)(a)(ii)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment D9: Physico-chemical treatment not specified elsewhere which results in final compounds or mixtures which are disposed of by any of the operations numbered D1 to D12	Treatment of hazardous wastes consisting of removal of contamination using GAC column. Treatment undertaken in the Aqueous Bulk Storage Facility as shown on drawing Figure 1_Var. Hazardous Wastes listed in Table S2.2 column 3, marked 'X'. Maximum treatment capacity: 60,000 tonnes/year.
A6	Section 5.4 A(1)(a)(ii)	Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical treatment D9: Physico-chemical treatment not specified elsewhere which results in final compounds or mixtures which are disposed of by any of the operations numbered D1 to D12	Treatment of non-hazardous wastes consisting of removal of contamination using GAC column. Treatment undertaken in the Aqueous Bulk Storage Facility as shown on drawing Figure 1_Var. Non-hazardous Wastes listed in Table S2.2 column 3, marked 'X'. Maximum treatment capacity: 50,000 tonnes/year.
A7	Section 5.3 A(1)(a)(ii)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day	Treatment of hazardous wastes consisting of pH adjustment. Treatment undertaken in the pH Adjustment Plant (tanks T4, T5, and T6 as shown on drawing

		involving physico-chemical treatment D9: Physico-chemical treatment not specified elsewhere which results in final compounds or mixtures which are disposed of by any of the operations numbered D1 to D12	Figure 1_Var), including the associated emission abatement and control equipment. Hazardous Wastes listed in Table S2.2 column 2, marked 'X'. Maximum treatment capacity: 1,200 tonnes/day.
A8	Section 5.4 A(1)(a)(ii)	Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical treatment D9: Physico-chemical treatment not specified elsewhere which results in final compounds or mixtures which are disposed of by any of the operations numbered D1 to D12	Treatment of non-hazardous wastes consisting of pH adjustment. Treatment undertaken in the pH Adjustment Plant (tanks T4, T5, and T6 as shown on drawing Figure 1_Var), including the associated emission abatement and control equipment. Non-hazardous Wastes listed in Table S2.2 column 2, marked 'X'. Maximum treatment capacity: 1,200 tonnes/day.
A9	Section 5.3 A(1)(a)(ii)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment D9: Physico-chemical treatment not specified elsewhere which results in final compounds or mixtures which are disposed of by any of the operations numbered D1 to D12 R3: Recycling/ reclamation of organic substances which are not used as solvents	Phase separation of waste oils. Oil Water Plant (tanks O1, O2, 03 and O4) as shown on drawing Figure 1_Var), including the associated emission abatement and control equipment. Wastes listed in Table S2.2 column 5, marked 'X'. Maximum treatment capacity: 200 tonnes/day.
A10	Section 5.3 A(1)(a)(iii)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving blending and mixing. D13: Blending or mixing prior to submission to any of the operations numbered D1 to D12 R1: Use principally as a fuel or other means to	Blending of waste oils. Oil Water Plant (tanks O1, O2, O3 and O4) as shown on drawing Figure 1_Var), including the associated emission abatement and control equipment. Wastes listed in Table S2.2 column 5, marked 'X'. Maximum treatment capacity: 200 tonnes/day.

		generate energy R3: Recycling/ reclamation of organic substances which are not used as solvents. R9: Oil re-refining or other reuses of oil	
A11	Section 5.3 A(1)(a)(vi)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving recycling or reclamation of inorganic materials other than metals or metal compounds. R5: Recycling/ reclamation of other inorganic materials.	Recycling/reclamation of inorganic materials consisting of washing, dewatering, neutralisation and filtration of wastes to produce synthetic gypsum. Alkaline Powder Recycling Plant as shown on drawing Figure 1_Var including the associated emission abatement and control equipment. Including storage of wastes prior to treatment in Silos S1, S2, and storage of recovered gypsum as a directly associated activity. Wastes listed in Table S2.2 column 4, marked 'X'. Maximum treatment capacity: 150 tonnes/day.
A12	Section 5.3 A(1)(a)(x)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving oil re-refining or other reuses of oil. R 1 Use principally as a fuel or other means to generate energy R 2 Solvent reclamation/regeneration R3: Recycling/ reclamation of organic substances which are not used as solvents. R 9 Oil re-refining or other reuses of oil	Recovery of waste oil in the Oil Recovery Unit (ORU). Including storage of waste prior to treatment in the West tank farm and East tank farm. Maximum treatment capacity 45,000 tonnes per annum. Includes a Small Waste Incinerator Plant burning recovered light distillate to generate heat for the ORU, including the associated emission abatement and control equipment.
A13	Section 5.3A(1)(a)(ii)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment. R3: Recycling/ reclamation of organic substances which are not used as solvents.	Washing of waste containers containing hazardous residues undertaken in the Container Plant as shown on drawing Figure 1_Var, including the associated emission abatement and control equipment.

		R4: Recycling/ reclamation of metals and metal compounds.	Shredding of washed plastic, waste containers. Crushing of washed metal, waste containers. Hazardous Wastes listed in Table S2.2 column 7, marked 'X'.
A14	Section 5.3A(1)(a)(ii)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment. R3: Recycling/ reclamation of organic substances which are not used as solvents. R4: Recycling/ reclamation of metals and metal compounds R 1 Use principally as a fuel or other means to generate energy	Sludge bulking and treatment including treatment with lime, undertaken in the Waste Transfer Station shown in Plan view v1.9 in appendix 3. Hazardous Wastes listed in Table S2.2 column 9, marked 'X'. Capacity 7,500 tonnes per annum.
A15	Section 5.3 Part A (1)(a)(ii)	Recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment R5: Recycling/reclamation of other inorganic materials.	From treatment of hazardous waste by pelletisation to produce aggregates involving mixing on-site produced APCr filter cake under Activity A18 with cement, sand and water to storage of treated waste. No more than 80 tonnes per day of hazardous and non-hazardous waste (in total) shall be treated under Activities A15 and A29. The following wastes shall not be blended or mixed: • wastes which react with one another. • wastes which could be recovered with other wastes if this means that the waste must now be sent for disposal or a lower form of recovery. • wastes containing Persistent Organic Pollutants (POPs) being mixed solely to generate a mixture below the defined low POPs content. • waste to deliberately dilute it. Treatment shall take place in a dedicated area on an

			impermeable surface with sealed drainage. Treated/pelletised APCr shall be stored in a covered bay on an impermeable surface with sealed drainage prior to transfer off-site Waste shall not be stored for no longer than 6 months. The total quantity of pelletised APCr stored on site at any one time shall not exceed 5000 tonnes.
Directly Associated Activities			
A16	Washing and shredding or crushing of waste containers	R3: Recycling/ reclamation of organic substances which are not used as solvents. R4: Recycling/ reclamation of metals and metal compounds.	Washing of waste containers containing non-hazardous residues undertaken in the Container Plant as shown on drawing Figure 1_Var, including the associated emission abatement and control equipment. Shredding of washed plastic, waste containers. Crushing of washed metal, waste containers. Non-Hazardous Wastes listed in Table S2.2 column 7, marked 'X'.
A17	Storage of wastes	D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced). R 13 Storage of wastes pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where it is produced)	Storage of non-hazardous wastes residues prior to on-site treatment for disposal. Non Hazardous Wastes as listed in Table S2.2 column 1, marked 'X'. Containerised wastes stored in the Waste Transfer Station as shown on drawing Figure 1_Var. Maximum capacity: 540 tonnes. Bulk Non-hazardous Wastes stored in tanks as shown on drawing Figure 1_Var. Maximum storage capacities as detailed in Table B2.1.12(A) of the application.
A18	Storage of APC residues that have been converted to Synthetic Gypsum	Storage of recovered Gypsum and/or filter cake	Product gypsum stored in a covered storage area in the Soil Treatment Area as shown on drawing Figure 1_Var. Maximum capacity: 600 tonnes.

A19	Tanker Washing	D9: Physico-chemical treatment not specified elsewhere which results in final compounds or mixtures which are disposed of by any of the operations numbered D1 to D12	Washing of residues from tankers after delivery of wastes.
A20	Steam supply	Gas oil fired boiler plant rated at ~1.3MW thermal input	From receipt of gas oil at the installation to steam supply to waste oil tanks and emissions to air from boiler exhaust stack.
A21	Storage of filter cake and sludges	Storage of non-hazardous filter cake and sludges pending disposal D1 to D12 or recovery R1 to R13	Maximum storage capacity 1000 tonnes. Storage undertaken in Area 1, shown on Site Plan.
A22	Flare	Combustion of off-gases from ORU in an emergency flare	Combustion of off-gases from enclosed emergency relief vents on the hydrotreatment process and fractionation column during abnormal operation only.
A23	Nitrogen generation plant	Production of nitrogen for use as inert gas blanketing during ORU plant start-up and in vessels during normal operation	Operation of air compressor, flow of compressed air through a Pressure Swing Absorption (PSA) array, separation of oxygen from nitrogen, venting of oxygen rich air and flow of nitrogen to hydrotreater plant for purification.
A24	Hydrogen gas and amine solution storage	Delivery and storage of hydrogen gas in onsite storage trailer and storage of amine solution in IBC	Storage of hydrogen gas and amine solution for use in the hydrotreatment system. Maximum storage capacity (static & trailer storage) for hydrogen gas shall not exceed 0.72 tonnes at any one time. No more than 1 tonne of amine solution shall be stored on site at any one time.
A25	Amine hydrogen recovery unit	Regeneration of amine solution in the amine regenerator column	From receipt of the recycle gas from the cold high pressure separator, absorption of hydrogen sulphide from the sour gas in a column with amine solution to return of hydrogen sulphide free-gas to the suction of the recycle compressor.

A26	Raw material handling and storage	Handling and storage of raw materials	From the receipt of raw materials to despatch for use within the facility.
A27	Surface water collection and storage	Collection and storage of contaminated site surface water from A15 and A29 treatment process	From the collection of contaminated site surface water to re-use within the facility and/or discharge to the sewer through the existing site drainage system. Water to be collected and stored in a 360 m^3 tank or in four 125m^3 press tank farm.
A28	Abatement system	Cartridge filters serving activity A15 and A29 fitted to cement silo.	From the point where air is extracted into the abatement system to discharge to air.

Activity reference	**Description of activities for waste operations**	**Limits of activities**
A29	Treatment of non-hazardous APCr filter cake R5: Recycling/reclamation of other inorganic materials.	From treatment of non-hazardous waste by pelletisation to produce aggregates involving mixing on-site derived APCr filter cake under Activity A21 with cement, sand and water to storage of treated waste. No more than 80 tonnes per day of hazardous and non-hazardous (in total) shall be treated under Activities A15 and A29. Wastes in the pit area shall be stored in covered bays. The following wastes shall not be blended or mixed: • wastes which react with one another • wastes which could be recovered with other wastes if this means that the waste must now be sent for disposal or a lower form of recovery • wastes containing Persistent Organic Pollutants (POPs) being mixed solely to generate a mixture below the defined low POPs content • waste to deliberately dilute it Treatment shall take place in a dedicated area on an impermeable surface with sealed drainage. Treated/pelletised APCr shall be stored in a covered bay on an impermeable surface with sealed drainage prior to transfer off-site Waste shall not be stored for no longer than 6 months. The total quantity of pelletised APCr stored on site at any one time shall not exceed 5000 tonnes.

- Table S1.2 as referenced in condition 2.3.1 and 2.3.2 has been amended to add operating techniques for APCr aggregate pelletisation treatment.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application VP3936UG	The responses to sections 2.1 and 2.2 in the Application, excluding the responses given in the following: 'Document Reference B1.4 Technical Description of Activities' 'Document Reference B2.1 In-process Controls' 'Document Reference B2.1.1 Appendix 1 List of EWC Codes' 'Document Reference B2.11 Closure' 'Document Reference B2.2 Emissions Control and Abatement' 'Figure 1' 'Figure 2' 'Figure 3'.	31/08/2007
Schedule 4 Notice Request dated 25/01/2008.	The responses to questions 1 to 20, excluding the following: 'Document Reference B2.1 In-process Controls' 'Document Reference B2.1.1 Appendix 1 List of EWC Codes' 'Document Reference B2.2 Emissions Control and Abatement' 'Figure 4' 'Figure 5' 'Figure 8'.	05/02/2008, 22/02/2008, 07/03/2008 and 20/03/2008
Request for information dated 14/04/2008.	The responses to the letter, excluding the following: Document Reference B2.1.1 Appendix 1 List of EWC Codes' 'Document Reference B2.1 In-process Controls' 'Figure 4' 'Figure 5' 'Figure 8'.	14/04/2008, 18/04/2008 and 01/05/20008
Request for information dated 21/04/2008.	The responses to questions 1, 2, 4 and 5 excluding the following: 'Document Reference B2.1 In-process Controls'.	24/04/2008
Request for information dated 29/04/2008.	All parts.	01/05/2008
Request for information dated 22/05/2008.	All parts.	17/06/2008
Application EPR/VP3936UG/V002	The responses to Appendix A, sections 2.1 and 2.2 in the Application, excluding the responses given in the following: 'Section 2.1 – soil treatment and transfer area' 'Document Reference B2.1.1 Appendix C List of EWC Codes'.	27/07/2009
Request for information dated 28/10/2009.	The responses to items 1 to 18 and Appendices A to F, excluding the following: 'Item 2' 'Item 4' to 'Item 11' 'Item 13' to 'Item 14' 'Appendix F'.	05/02/2010
Request for information dated 08/12/2009.	The responses to items 1 to 10, excluding the following: 'Item 3' to 'Item 10'.	05/02/2010
Application for variation, reference EPR/VP3936UG/V004.	Application forms C2 and C3 and supporting documentation.	26/08/2014

Application for variation, reference EPR/VP3936UG/V006.	Application forms C2 and C3 and supporting documentation.	09/12/2014
Request for information dated 04/02/2015.	The responses to items 1 to 9.	17/02/2015
Application EPR/VP3936UG/V007	Section 1 of Hydrogenation Plant Permit Variation document (June 2015) in response to section 5c - non-technical summary, Part C2 of the application form. Appendix C, Accident Management Plan and H1 Environmental Risk Assessment, in response to section 6 - Environmental risk assessment, Part C2 of the application form. Sections 3 to 7 of Hydrogenation Plant Permit Variation document (June 2015) in response to sections 3 to 6 of the application form, Part C3. Odour management plan version 2.	08/06/2015
	Update to the accident management plan table 1-7. Additional information on: raw material storage and operation of emergency flare.	20/07/2015
Additional information	Response to the question on noise level.	25/08/2015
Schedule 5 Notice response	Response to question on: hydrogen sulphide and ammonium hydrosulphide concentrations monitoring of total sulphides, sulphate, ammonia and COD reuse of recovered oil.	16/09/2015
Application EPR/VP3936UG/V010	Documents submitted with application: • Part C3, Table 3 Technical Standards: Commission Implementing Decision (EU) 2018/1147 of 10 August 2018 establishing best available techniques (BAT) conclusions for waste treatment, under Directive 2010/75/EU of the European Parliament and of the Council (notified under document C(2018) 5070) (Text with EEA relevance.) • Revised NTS - 23052025 • RFI response - 23052025 • Non-technical Summary 16042024 • FIS Kirkby SCR – 13022025 • Supporting Document- 13022025 • ERA – 13022025 • EMS summary - FG_QHSE_Man.01 HSEQ (IMS) Manual V9 – 13022025	Duly made 03/06/2025
Additional information received	Schedule 5 notice response containing surface water tanks capacity,	19/12/2025
	Email confirming the moisture range of the waste at each stage of the treatment process, including information on the site's drainage system.	29/01/2026
	Schedule 5 notice response: • Updated Dust and Emissions Management Plan • Drainage Plan • Email Correspondence	10/03/2026
	Email correspondence and response to Schedule 5 Notice providing:	27/03/2026

	• Part C4 Form	
	Email correspondence and response to Schedule 5 Notice providing: • Updated Site Plan	31/03/2026

- Table S1.3 as referenced in condition 2.4.1 has been amended to add IC10.

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1	The Operator shall submit a written proposal to the Environment Agency to carry out tests to determine the size distribution of the particulate matter in the exhaust gas emissions to air from emission point A8, identifying the fractions within the PM_{10}, and $PM_{2.5}$ ranges. The proposal shall include a timetable for approval by the Environment Agency to carry out such tests and produce a report on the results. On receipt of written agreement by the Environment Agency to the proposal and the timetable, the Operator shall carry out the tests and submit to the Environment Agency a report on the results.	Within 6 months of the completion of commissioning.
IC2	The Operator shall submit a written report to the Environment Agency on the commissioning of the Oil Recovery Unit. The report shall summarise the environmental performance of the plant as installed against the design parameters set out in the Application. The report shall also include a review of the performance of the facility against the conditions of this permit and details of procedures developed during commissioning for achieving and demonstrating compliance with permit conditions.	Within 4 months of the completion of commissioning.
IC3	The Operator shall carry out checks to verify the residence time, minimum temperature and oxygen content of the exhaust gases in the furnace whilst operating under the anticipated most unfavourable operating conditions. The results shall be submitted in writing to the Environment Agency.	Within 4 months of the completion of commissioning.
IC4	The Operator shall submit a written report to the Environment Agency describing the performance and optimisation of the combustion settings to minimise oxides of nitrogen (NO_x) emissions within the emission limit values described in this permit with the minimisation of nitrous oxide emissions. The report shall include an assessment of the level of NO_x and N_2O emissions that can be achieved under optimum operating conditions. The report shall also provide details of the optimisation (including dosing rates) for the control of acid gases and dioxins.	Within 4 months of the completion of commissioning.
IC5	The Operator shall carry out an assessment of the impact of emissions to air of the following component metals subject to emission limit values, i.e. Cd, Tl, Hg, Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V. A report on the assessment shall be made to the Environment Agency. Emissions monitoring data obtained during the first year of operation shall be used to compare the actual emissions with those assumed in the impact assessment submitted with the Application. An assessment shall be made of the impact of each metal against the relevant EQS/EAL. In the event that the assessment shows that an EQS/EAL could be exceeded, the report shall include proposals for further investigative work.	15 months from commencement of operations

IC6	The Operator shall submit a written summary report to the Agency to confirm by the results of calibration and verification testing that the performance of Continuous Emission Monitors for parameters as specified in table S3.1 and table S3.1(a) complies with the requirements of BS EN 14181, specifically the requirements of QAL1, QAL2 and QAL3.	Initial calibration report to be submitted to the Agency within 3 months of completion of commissioning. Full summary evidence compliance report to be submitted within 18 months of commissioning.
IC7	The Operator shall submit the written protocol referenced in condition 3.2.3 for the monitoring of soil and groundwater for approval by the Environment Agency. The protocol shall demonstrate how the Operator will meet the requirements of Articles 14(1)(b), 14(1)(e) and 16(2) of the IED. The procedure shall be implemented in accordance with the written approval from the Agency.	15/03/2016
IC8	The operator shall submit to the Environment Agency for agreement a method statement detailing the proposed techniques for the repackaging of bulk wastes within the transfer station including repackaging of packages to bigger packages and packages to road tanker, in accordance with SGN S5.06. The procedure shall be implemented in accordance with the written agreement of the Agency.	30/10/2015.
IC9	The operator shall submit to the Environment Agency for agreement a proposed method statement detailing the proposed techniques for handling waste laboratory smalls within the transfer station in accordance with SGN S5.06. The procedure shall be implemented in accordance with the written agreement of the Agency.	30/10/2015
IC10	The operator shall submit a report to the Environment Agency for approval. The report shall include the following: • The results of moisture content monitoring of the waste at each stage of the treatment process in order to validate the moisture range provided in the variation application EPR/VP3936UG/010 • The results of quantitative particulate and dust monitoring at a location adjacent to the trommel and conveyor using the standards agreed under the Dust Management Plan (DMP). • The conclusions of an assessment of the operation of the trommel and conveyor against Chemical waste: appropriate measures for permitted facilities (Gov.UK) and Waste Treatment BAT Conclusions. Where it is found that dust is causing pollution as a result of the treatment process, the operator shall include in the report proposals on how to enclose, extract and abate dust emissions from the equipment using measures and techniques specified in Section 6 of Chemical waste: appropriate measures for permitted facilities (Gov.UK).	01/10/2026

	The operator shall submit an updated Dust Management Plan and include in it monitoring and control measures approved in the report by the Environment Agency. The plan shall be implemented in accordance with the Environment Agency's written approval.	

- Table S2.1 as referenced in condition 2.3.3 has been amended to add raw material for APCr filter cake pelletisation treatment.

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
Recovered Distillate Fuel for Thermal Oxidiser in ORU. EWC: 13 07 03*	<0.7% sulphur content <1.0% chlorine content
Sand	--
Cement	--

- Table S3.4 as referenced in condition 3.5.1 has been amended to add process monitoring requirements for APCr filter cake pelletisation treatment.

Table S3.4 Process monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
A1: Scrubber T15 serving pH Adjustment Tank T4	NaOH concentration	Daily	Not applicable	-
A2: Scrubber T28 serving R1, R2 & T1	NaOH concentration	Daily	Not applicable	-
Abatement serving drum washing plant	NaOH concentration	Daily prior to treatment commencing	Not applicable	-
Location close to the Combustion Chamber inner wall or as identified and justified in Application.	Temperature (°C)	Continuous	Traceable to national standards	As agreed in writing with the Environment Agency.
A8	Exhaust gas temperature	Continuous	Traceable to national standards	As agreed in writing with the Environment Agency.
A8	Exhaust gas pressure	Continuous	Traceable to national standards	As agreed in writing with the Environment Agency.
A8	Exhaust gas oxygen content	Continuous	BS EN 15267-3 BS EN 14181	As agreed in writing with the Environment Agency.
Monitoring of aqueous flow streams to the effluent treatment plant, required to c arry out mass balance calculations to determine the	Flow, pH and temperature	Continuous		
	Total suspended sol ids as defined by Directive 91/272/EEC	Daily, flow proportio nal representativ e sample over a period of 24 hours		In accordance with M18 methodology un less agreed otherwise in writing by the Environment Agency

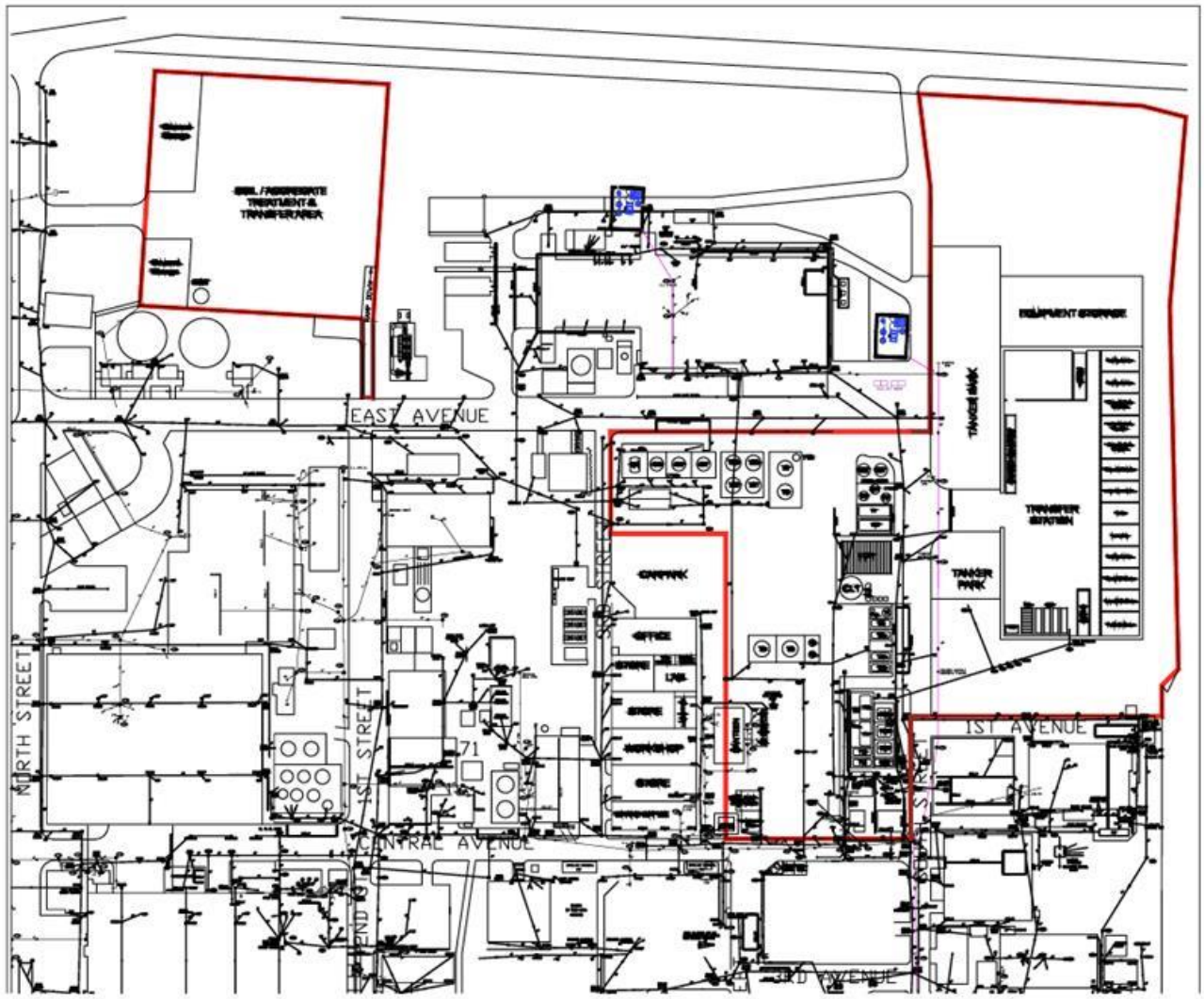
emissions to sewer attributable to the Small Waste Incinerator Plant in the Oil Recovery Plant. 1-Cooling water flow to effluent treatment plant 2-Aqueous flow from scrubber to effluent treatment plant 3-Condensate flow to effluent treatment plant 4-Aqueous flow from oil treatment unit to effluent treatment plant 5-Aqueous flow to effluent treatment plant from exhaust scrubber on SWIP in oil recovery unit	Mercury and its compounds, expressed as mercury Cadmium and its compounds, expressed as cadmium Thallium and its compounds, expressed as thallium Arsenic and its compounds expressed as arsenic Lead and its compounds, expressed as lead Chromium and its compounds, expressed as chromium Copper and its compounds, expressed as copper Nickel and its compounds, expressed as nickel	Monthly, flow proportional representative sample over a period of 24 hours		
Hydro treatment and fractionation processes	Temperature, Pressure, Flow	Continuous	In accordance with M20 or such other subsequent guidance as may be agreed in writing with the Environment Agency.	
Vents on the cement storage silo	Dust	As described in site DMP	Not applicable	-

- Table S4.3 as referenced in condition 4.2.2 has been amended to add reporting requirements for APCr filter cake pelletisation treatment.

Table S4.3 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
Electrical energy exported, imported and used at the installation	Quarterly	KWhrs / tonne of waste incinerated
Fuel oil consumption	Quarterly	Kgs / tonne of waste incinerated
Lime / Sodium Bicarbonate consumption	Quarterly	Kgs / tonne of waste incinerated
Water consumption	Quarterly	Kgs / tonne of waste incinerated
Periods of abnormal operation	Quarterly	No of occasions and cumulative hours for current calendar year for each line.
Operation of emergency flare	Annually	hours
Hydrogen gas consumed	Quarterly	tonnes
Amine solution consumed	Quarterly	tonnes
Catalysts consumed	Quarterly	tonnes
Hazardous waste treated for recovery	Annually	tonnes
Non-hazardous waste treated for recovery	Annually	tonnes
Produced aggregate	Annually	tonnes

- Site Plan as referenced in condition 2.2.1 has been amended to show the updated permit boundary increase.

Amended Site Plan



Schedule 3 – condition to be added

The following condition is added as a result of the application made by the operator:

2.6 Hazardous waste storage and treatment

2.6.1 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.