

# Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

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LIS (North Western) Limited

Unit 20, Haydock Lane  
Haydock Lane Industrial Estate  
Haydock  
St Helens  
Merseyside  
WA11 9UY

Variation application number

EPR/EP3835PU/V006

Permit number

EPR/EP3835PU

# Unit 20, Haydock Lane

## Permit number EPR/EP3835PU

### 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 purpose of this variation is to add a new operation to enable the treatment of cobalt nitrate and the addition of a transfer station for storage and repacking of wastes. The transfer station will be able to operate as a standalone activity accepting third party waste and also in connection with waste associated with the listed activities. The following operations are added to the permit:

- pH adjustment utilising a mixing tank
- Dewatering using a filterpress and associated equipment
- Operation of a transfer station including waste storage and repacking area

The site plan has been updated to reflect these changes. There is no change to the installation boundary as a result of this variation.

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.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application received EPR/EP3835PU/A001	Duly made 07/04/2004	Application for waste oil transfer and treatment facility.
Permit determined EPR/EP3835PU	25/11/2004	Original permit issued LIS (North Western) Ltd.
Application to vary EPR/EP3835PU/V002 [PAS Ref: BP3232SY] (Application to vary permit in two parts)	Duly made 16/09/2005	Application to vary and update the permit to modern conditions.
Variation determined EPR/EP3835PU/V002	23/09/2005	Varied and consolidated permit issued.
Application to vary EPR/EP3835PU/V003 [PAS Ref: KP3832XZ] (EA Led variation)		Variation to update the conditions of permit.
Variation determined EPR/EP3835PU/V003	15/07/2008	Varied permit issued.
Application to vary EPR/EP3835PU/V004 [PAS Ref: HP33437ZN]	Duly made 23/12/2010	The changes made are as follows: <ul style="list-style-type: none"> <li>• Table S1.1. Addition of 'biological treatment' under</li> </ul>

(Application to vary permit in two parts)		<p>Directly Associated Activities.</p> <ul style="list-style-type: none"> <li>• Table S3.2. Increase in tonnage per annum.</li> <li>• Table S3.2. Maximum quantities of waste to be stored within Tanks T1 – T4 and primary receipt tank T5 removed.</li> <li>• Table S3.2. Additional waste types added.</li> <li>• Table S4.3. Emission limits removed.</li> </ul>
Additional information received	16/02/2011	
Additional information received	20/03/2011	
Variation determined EPR/EP3835PU/V004	23/03/2011	Varied permit issued.
Application to vary EPR/EP3835PU/V005 [PAS Ref: HP3437ZN]	Duly made 17/7/2013	Application to add in additional activity.
Additional information received	17/07/2013	Details of the plant, process and emissions.
Additional information received	30/07/2013	PID Drawing.
Additional information received	08/08/2013	Details of the plant, process and emissions. (Email)
Variation determined EPR/EP3835PU/V005	09/08/2013	Varied and consolidated permit issued as a separate document.
Application EPR/EP3835PU/V006 (variation)	Duly made 19/03/2014	Variation to add a new waste operation and transfer station.
Variation determined EPR/EP3835PU/V006	27/05/2014	Varied permit issued.

End of introductory note

## Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

**Permit number**  
**EPR/EP3835PU**

**issued to:**  
**LIS (North Western) Limited** (“the operator”)

whose registered office is

**Unit 11 Haydock Lane**  
**Haydock Lane Industrial Estate**  
**Haydock**  
**St Helens**  
**Merseyside**  
**WA11 9UY**

company registration number **3762932**

to operate an installation at

**Unit 20, Haydock Lane**  
**Haydock Lane Industrial Estate**  
**Haydock**  
**St Helens**  
**Merseyside**  
**WA11 9UY**

to the extent set out in the schedules.

The notice shall take effect from 27/05/2014

Name	Date
<b>Emma Pemberton</b>	<b>27/05/14</b>

Authorised on behalf of the Environment Agency

**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.

Table S1.1 as referred to in condition 2.1.1 of the permit is amended as follows.

<b>Table S1.1 activities</b>		
<b>Activity listed in Schedule 1 of the EPR Regulations</b>	<b>Description of specified activity and WFD Annex IIA and IIB operations</b>	<b>Limits of specified activity and waste types</b>
5.3 A (1)(a)(ii): physico-chemical treatment of waste oils	D9 / R3 phase separation including storage of wastes from separation.	Gravity separation and settlement of oil and water without the application of heat.  Waste types as specified in table S3.2.  Maximum annual throughput 50,000 tonnes of the waste types as specified in table S3.2 for this activity and the maximum through annual through put of 50,000 tonnes only.
5.6 A(1) (a) Storage of hazardous waste for recovery or disposal	R13 / D15 storage of waste oil pending separation.	Storage of waste oils prior to processing.  Waste types as specified in table S3.2.  Maximum annual throughput 50,000 tonnes of the waste types as specified in table S3.2 for this activity and the maximum through annual through put of 50,000 tonnes only
5.3 A (1)(a)(x) – oil re-refining or other reuses of oil	R9 – oil refining and other reuses of oil.	Gravity separation and settlement of petrol and water without the application of heat.  Waste types and quantities as specified in table S3.2.  Maximum annual throughput 50,000 tonnes of the waste types as specified in table S3.2 for this activity and the maximum through annual through put of 50,000 tonnes only.
5.3A (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.	R09 – oil refining and other reuses of oil. R04 – treatment of cobalt nitrate	Treatment of waste oil with nitric acid to recover cobalt salts and neutralisation of treated oil to pH 7 to 10 (if necessary).  Treatment of cobalt nitrate using sodium hydroxide or calcium hydroxide to convert cobalt nitrate into insoluble cobalt hydroxide, the resultant cobalt hydroxide slurry dewatered using a filter press to produce a cobalt hydroxide filter cake.  Maximum annual throughput 50,000 tonnes of the waste types as specified in table S3.2 for this activity and the maximum through annual through put

<b>Table S1.1 activities</b>		
<b>Activity listed in Schedule 1 of the EPR Regulations</b>	<b>Description of specified activity and WFD Annex IIA and IIB operations</b>	<b>Limits of specified activity and waste types</b>
		of 50,000 tonnes only.
5.3 A(1)(a)(iv) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving repackaging prior to submission to any of the other listed activities.	R13, D14 and D15: Bulking and repackaging of hazardous wastes not otherwise treated by other activities at the installation.	From receipt of wastes as defined in Schedule 3 table S3.2 to dispatch of waste from the installation. Wastes shall not be stored for more than 6 months from the date of receipt. Hazardous waste must be kept in a building or within a secure container and kept on impermeable surface with sealed drainage. Maximum annual throughput 50,000 tonnes of the waste types as specified in table S3.2 for this activity and the maximum through annual throughput of 50,000 tonnes only.
<b>Directly Associated Activity</b>		
Washing and digging out of road tankers	D9: Removal of residues from tankers	Restricted to road tankers delivering waste to the site.
Vapour abatement	D9: Activated carbon scrubbing.	Activated carbon scrubbing of vapours arising during transfers to and from Tanks T1 – T4 and vapours arising from the effluent treatment plant.
Fine filtration	D9: Fine filtration	Fine filtration of effluent within the effluent treatment plant.
Biological treatment of non-hazardous waste	D8: Biological treatment	Biological treatment of effluent within the effluent treatment plant as detailed within section 2 of the response to the Schedule 5 notice received 16 February 2011.
Discharge to foul sewer.	D9: Discharge of treated effluent	Discharge of treated effluent from emission point S1 [as shown on the site plan within Schedule 2].

Table 1.2 as referred to in condition 2.3.1 of the permit is amended as follows.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application and letter dated 19 July 2004 regarding all transfers to tanks 1, 2 and 3.	Details regarding passing vapours from non-petrol wastes to be passed through activated carbon.	26/03/2004 and 19/07/2004
Application and letter dated 19 July 2004 regarding all transfers to and from tank 4.	Details regarding petrol handling being subject to vapour recovery.	26/03/2004 and 19/07/2004
Application and letter dated 19 July 2004. Variation application 02 August 2005.	Details regarding – discharge of water via interceptor and, as necessary activated carbon, prior to discharge to foul sewer.	26/03/13 and 19/07/2004
Application and letter dated 19 July 2004.	Details regarding - Covering of dig out pit, at all times when no discharge or collection is taking place.	19/07/2004
Regulation 28 notice response	Response to Question B2.1 of the Part B application form excluding details of maximum capacity within the response to Question B2.1.11.	08/02/2008
Variation application dated 13 October 2010 and supporting letter dated 28 September 2010.	Response to section C2 and C3 within the application form.	13/10/2010
Response to Schedule 5 notice received 16 February 2011.	Responses to questions 1, 2, 3, 6, 7 and 8.	16/02/2011
Application and supporting documents dated xx/05/2013	Response to questions of application Part B2, C2, and C3 of application form.	
Additional Information supplied	Details of the reclamation process	23/04/2013
Additional information supplied	Details of the plant and emissions	17/07/2013
Additional information supplied	PID Drawing	30/07/2013
Additional Information supplied	Details of the reclamation process	08/08/2013
Application variation EPR/EP3835PU/V006	Parts C2 and C3 of the application and all related documents	03/02/2014

Table S1.3 as referred to in condition 2.5.1 of the Permit is amended as follows.

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC1	<p>A written report shall be submitted to the Environment Agency for approval which includes:</p> <ul style="list-style-type: none"> <li>• Twelve months of consecutive monthly monitoring data for emissions to sewer undertaken by United Utilities and assesses the compliance performance of the installation against the parameters specified in the Trade Discharge Consent issued by the Sewerage Undertaker; and</li> <li>• Twelve months of monitoring data for COD and temperature [as required by Table S4.3 of the permit] and assesses the effectiveness of the biological treatment process, detailed within the response to the Schedule 5 notice received 16 February 2011.</li> </ul>	Complete



IC2	<p>The Operator shall submit a revised environmental impact assessment, using the Environment Agency's H1 methodology (or other methodology agreed with the Environment Agency), which:</p> <ul style="list-style-type: none"> <li>Evaluates the potential for impact arising from releases to sewer, utilising the emission data characterised under Improvement Condition IC1; and</li> <li>An electronic copy of the H1 assessment (or equivalent assessment tool) shall be submitted to the Environment Agency for approval.</li> </ul> <p>The H1 assessment shall be used to review the emission limits and monitoring requirements specified in Table S4.3 of the permit.</p>	Complete
IC3	<p>The operator shall submit a written post-commissioning report for the Nitric Acid/Waste Oil treatment activity to the Environment Agency which shall include, but not be limited to:</p> <ul style="list-style-type: none"> <li>a review of performance of the facility against the conditions of this permit.</li> <li>details of procedures developed during commissioning for achieving and demonstrating satisfactory process control and covering the range of designed operating rates.</li> </ul>	Within 1 month of commissioning
IC4	<p>The operator shall submit a revised accident management plan to the Environment Agency for approval. The plan shall incorporate the new activities using the Environment Agency's H1 Annex A methodology (or other methodology agreed with the Environment Agency).</p>	Within 6 months of permit issue
IC5	<p>The operator shall submit a written post-commissioning report for the cobalt nitrate treatment activity to the Environment Agency which shall include, but not be limited to:</p> <ul style="list-style-type: none"> <li>a review of performance of the facility against the conditions of this permit.</li> <li>details of procedures developed during commissioning for achieving and demonstrating satisfactory process control and covering the range of designed operating rates.</li> </ul>	Within 1 month of commissioning

Table S3.1 as referred to in condition 2.3.2 of the Permit is amended as follows.

<b>Table S3.1 Raw materials and fuels</b>	
<b>Raw materials and fuel description</b>	<b>Specification</b>
Nitric acid (40%)	Product, or as agreed in writing with the Environment Agency
Sodium hydroxide	Product or flake/powdered or as agreed in writing with the Environment Agency
Calcium hydroxide	Powdered product or as agreed in writing with the Environment Agency
Sodium hydroxide (47%)	Product, or as agreed in writing with the Environment Agency

Table S3.2 as referred to in condition 2.3.3 of the Permit is amended as follows.

<b>Table S3.2 Permitted waste types and quantities</b>	
<b>Maximum quantity</b>	Annual throughput: 50,000 tonnes.
<b>Waste code</b>	<b>Description</b>
<b>05</b>	<b>WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL</b>
<b>05 01</b>	<b>wastes from petroleum refining</b>
05 01 03*	tank bottom sludges
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
<b>06</b>	<b>WASTES FROM INORGANIC CHEMICAL PROCESSES</b>
<b>06 01</b>	<b>wastes from the manufacture, formulation, supply and use (MFSU) of acids</b>
06 01 05*	nitric acid and nitrous acid
06 01 06*	other acids
<b>06 02</b>	<b>wastes from the MFSU of bases</b>
06 02 01*	calcium hydroxide
06 02 04*	sodium and potassium hydroxide
06 02 05*	other bases
<b>07</b>	<b>WASTES FROM ORGANIC CHEMICAL PROCESSES</b>
<b>07 01</b>	<b>wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals</b>
07 01 08*	other still bottoms and reaction residues
07 01 10*	other filter cakes and spent absorbents
<b>07 02</b>	<b>wastes from the MFSU of plastics, synthetic rubber and man-made fibres</b>
07 02 08*	other still bottoms and reaction residues
07 02 10*	other filter cakes and spent absorbents
<b>07 03</b>	<b>wastes from the MFSU of organic dyes and pigments (except 06 11)</b>
07 03 08*	other still bottoms and reaction residues
07 03 10*	other filter cakes and spent absorbents
<b>07 06</b>	<b>wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics</b>
07 06 08*	other still bottoms and reaction residues
07 06 10*	other filter cakes and spent absorbents
<b>07 07</b>	<b>wastes from the MFSU of fine chemicals and chemical products not otherwise specified</b>
07 07 08*	other still bottoms and reaction residues
07 07 10*	other filter cakes and spent absorbents
<b>08</b>	<b>WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS,) ADHESIVES, SEALANTS AND PRINTING INK</b>
<b>08 01</b>	<b>wastes from MFSU and removal of paint and varnish</b>
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances
08 01 13*	sludges from paint or varnish containing organic solvents or other dangerous substances
<b>08 03</b>	<b>wastes from the manufacture of printing inks</b>
08 03 14*	ink sludges containing dangerous substances
08 03 19*	Disperse oil
<b>08 04</b>	<b>wastes from the MFSU of adhesives and sealants (including waterproofing products)</b>

**Table S3.2 Permitted waste types and quantities**

<b>Maximum quantity</b>	Annual throughput: 50,000 tonnes.
<b>Waste code</b>	<b>Description</b>
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 17*	rosin oil
<b>10</b>	<b>WASTES FROM THERMAL PROCESSES</b>
<b>10 04</b>	<b>wastes from lead thermal metallurgy</b>
10 04 09*	wastes from cooling-water treatment containing oil
<b>10 05</b>	<b>wastes from zinc thermal metallurgy</b>
10 05 08*	wastes from cooling-water treatment containing oil
<b>10 06</b>	<b>wastes from copper thermal metallurgy</b>
10 06 08*	wastes from cooling-water treatment containing oil
<b>10 07</b>	<b>wastes from copper thermal metallurgy</b>
10 07 08*	wastes from cooling-water treatment containing oil
<b>10 08</b>	<b>wastes from other non-ferrous thermal metallurgy</b>
10 08 19*	wastes from cooling-water treatment containing oil
<b>10 13</b>	<b>wastes from manufacture of cement, lime and plaster and articles and products made from them</b>
10 13 04	wastes from calcination and hydration of lime
<b>11</b>	<b>WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY</b>
<b>11 01</b>	<b>wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising)</b>
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11
<b>12</b>	<b>WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS</b>
<b>12 01</b>	<b>wastes from shaping and physical and mechanical surface treatment of metals and plastics</b>
12 01 19*	readily biodegradable machining oil
<b>13</b>	<b>OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)</b>
<b>13</b>	<b>OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)</b>
<b>13 01</b>	<b>waste hydraulic oils</b>
13 01 05*	non-chlorinated emulsions
13 01 10*	mineral based non-chlorinated hydraulic oils
13 01 11*	synthetic hydraulic oils
13 01 12*	readily biodegradable hydraulic oils
13 01 13*	other hydraulic oils
<b>13 02</b>	<b>waste engine, gear and lubricating oils</b>
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06*	synthetic engine, gear and lubricating oils
13 02 07*	readily biodegradable engine, gear and lubricating oils
13 02 08*	other engine, gear and lubricating oils
<b>13 03</b>	<b>waste insulating and heat transmission oils</b>

**Table S3.2 Permitted waste types and quantities**

<b>Maximum quantity</b>	Annual throughput: 50,000 tonnes.
<b>Waste code</b>	<b>Description</b>
13 03 07*	mineral-based non-chlorinated insulating and heat transmission oils
13 03 08*	synthetic insulating and heat transmission oils
13 03 09*	readily biodegradable insulating and heat transmission oils
13 03 10*	other insulating and heat transmission oils
<b>13 04</b>	<b>bilge oils</b>
13 04 01*	bilge oils from inland navigation
13 04 02*	bilge oils from jetty sewers
13 04 03*	bilge oils from other navigation
<b>13 05</b>	<b>oil/water separator contents</b>
13 05 01*	solids from grit chambers and oil/water separators
13 05 02*	sludges from oil/water separators
13 05 03*	interceptor sludges
13 05 06*	oil from oil/water separators
13 05 07*	oily water from oil/water separators
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
<b>13 07</b>	<b>wastes of liquid fuels</b>
13 07 01*	fuel oil and diesel
13 07 02*	Petrol
13 07 03*	other fuels (including mixtures)
<b>15</b>	<b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>
<b>15 01</b>	<b>packaging (including separately collected municipal packaging waste)</b>
15 01 10*	packaging containing residues of or contaminated by dangerous substances
<b>15 02</b>	<b>absorbents, filter materials, wiping cloths and protective clothing</b>
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
<b>16</b>	<b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>
<b>16 01</b>	<b>end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicle maintenance (except 13, 14, 16 06 and 16 08)</b>
16 01 07*	oil filters
16 01 13*	brake fluids
16 01 14*	antifreeze fluids containing dangerous substances
16 01 15	antifreeze fluids other than those mentioned in 16 01 14
<b>16 03</b>	<b>off-specification batches and unused products</b>
16 03 03*	inorganic wastes containing dangerous substances
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 05*	organic wastes containing dangerous substances
16 03 06	organic wastes other than those mentioned in 16 03 05
<b>16 07</b>	<b>wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)</b>
16 07 08*	wastes containing oil
16 07 09*	wastes containing other dangerous substances

<b>Table S3.2 Permitted waste types and quantities</b>	
<b>Maximum quantity</b>	Annual throughput: 50,000 tonnes.
<b>Waste code</b>	<b>Description</b>
<b>16 08</b>	<b>spent catalysts</b>
16 08 02*	spent catalysts containing dangerous transition metals or dangerous transition metal compounds
16 08 03	spent catalysts containing transition metals or transition metal compounds not otherwise specified
<b>16 10</b>	<b>aqueous liquid wastes destined for off-site treatment</b>
16 10 01*	aqueous liquid wastes containing dangerous substances
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01[Note 1]
<b>19</b>	<b>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</b>
<b>19 02</b>	<b>wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralization)</b>
19 02 05*	sludges from physico/chemical treatment containing dangerous substances
19 02 07*	oil and concentrates from separation
<b>19 08</b>	<b>wastes from waste water treatment plants not otherwise specified</b>
19 08 09	grease and oil mixture from oil/water separation containing only edible oils and fats
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
<b>19 13</b>	<b>wastes from soil and groundwater remediation</b>
19 13 07*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances
19 13 08	aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07

Table S4.1 as referred to in condition 3.1.1 of the permit is amended as follows.

<b>Table S4.1 Point source emissions to air – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Parameter</b>	<b>Source</b>	<b>Limit (incl. Unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
A1- pressure release vent	Nitrogen dioxide	Tank 8 – pH adjustment tank	No limit set	None	None	None

### **Schedule 3 – conditions to be added**

None

# Schedule 4 – amended plan

Amended plan attached

