

creating a better place



The Company Director and/or Secretary  
Cumbrian Storage Limited  
Cumbrian Storage Transhipment Facility  
Sites 1 and 2  
Prince of Wales Dock  
Workington  
Cumbria  
CA14 1BN

Our ref: LT 5247  
Your ref:

Date: 1 April 2010

Dear Sir or Madam

#### **Issue of variation notice**

**Permit reference: EAEPRRP3730GYV002**  
**Applicant: Cumbrian Storage Limited**  
**Facility: Cumbrian Storage Transhipment Facility, Sites 1 and 2 Prince of Wales Dock, Workington, Cumbria, CA14 1BN.**

On the date of variation the permit number is EPR/RP3730GY.

I enclose:

1. Permit number EPR/RP3730GY
2. Decision document
3. A link to Getting the basics right: how to comply  
<http://publications.environment-agency.gov.uk/pdf/GEHO0209BPHU-e-e.pdf>
4. Pollution inventory letter, notice and schedule

#### **Rights of appeal**

If you are not happy with any permit condition that has been imposed by the permit you may appeal to the Secretary of State. You must make your appeal by 31 May 2010.

Further information about making an appeal and the forms you will need are available from the Planning Inspectorate website or from the contact details below.

The Planning Inspectorate, Room 4/04 Kite Wing, Temple Quay House, 2 The Square, Temple Quay, Bristol, BS1 6PN. Phone: 0117 3728726

You must send written notice of the appeal and the documents listed below to the Secretary of State at the address above. At the same time you must send us a copy of the notice and documents.



## **Variation notice with introductory note**

Environmental Permitting (England & Wales) Regulations 2007

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Cumbrian Storage Transhipment  
Facility

Cumbrian Storage Limited  
Sites 1 and 2  
Prince of Wales Dock  
Workington  
Cumbria  
CA14 1BN

Variation notice number  
EPR/RP3730GY/V002

Permit number  
EPR/RP3730GY

## **Cumbrian Storage Transshipment Facility Permit number EPR/RP3730GY**

### **Introductory note**

***This introductory note does not form a part of the permit***

The following notice, which is issued pursuant to regulation 20 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations S.I.2007 No. 3538 (the Regulations), gives notice of the variation of an environmental permit to operate a regulated facility.

The company will operate a small skid mounted oil treatment unit (OTU) removing water and other contaminants from waste oils stored on site to improve their purity and hence potential range of options for recovery. The unit will operate by heating oil to 90°C and segregating the oil mixture into three substances i.e. treated oil phase, water and oily sludge. Water and sludge will be removed off site for recovery and the oil will be transferred into existing storage tanks.

There are three new air emission points, one of which releases combustion products from a gas oil powered package steam boiler (A10) and two are vents associated with the storage of the water/ oily sludge mixture at the treatment unit (A8) and in a tanker trailer (A9). These are all of a minor nature. There is the potential of VOC emissions from the vent associated with the treatment unit. The actual level of the emissions produced and their associated environmental impact from A8 and A9 will be established as part of ongoing IC2 and IC3.

There are no additional emissions to controlled water or sewer. The sites existing control measures are adequate for managing any accidental liquid releases from the additional activities and prevent pollution of controlled waters.

The original impact assessment of emissions from the installation on the receiving environment has not been influenced by the activities detailed in the variation. Impact assessment would be updated as required as part of completion of IC3 which is yet to be undertaken.

Schedule 1 of this notice lists any deleted conditions, Schedule 2 lists any amended conditions, Schedule 3 lists any conditions that have been added and Schedule 4 shows any changes to the plan.

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>Detail</b>	<b>Date</b>	<b>Response Date</b>
Application EPR/RP3730GY/A001	Duly made 09/12/08	
Additional information received regarding site plan, drainage and emissions to air	Requested 06/04/09	06/04/09
Additional information received regarding site plan and drainage	Requested 07/04/09	08/04/09
Additional information received regarding EWC code applied for	Requested 25/05/09	01/06/09
Permit determined EPR/RP3730GY	09/07/09	
Application EPR/RP3730GY/V002	Duly made 28/11/09	
Additional Information Received	Requested 29/01/10	12/02/10
Variation issued	31/03/10	

End of Introductory Note

**Schedule 1 – conditions to be deleted**

None.

**Schedule 2 – conditions to be amended**

<b>Table S1.1 Activities</b>			
<b>Activity Reference</b>	<b>Activity Listed in Schedule 1 of the EP Regulations</b>	<b>Description of the specified activity and WFD Annex IIA and IIB operations</b>	<b>Limits of specified activity and waste types</b>
A1	S.5.3 A1 (b) "The disposal of waste oils (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day	R 13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)  R3: recycling/reclamation of organic substances which are not solvents (including composting and any other biological transformation processes)  D15: Storage of hazardous waste	Storage of waste oils awaiting recovery and disposal off site.  Treatment of waste oils by heat and using a centrifuge for the purpose of recovery.  Waste types and quantities as specified in Table S3.2.  The site shall hold a maximum of less than 25,000 tonnes on site at any one time of petroleum products (below the upper tier COMAH threshold)

<b>Table S1.2 Operating Techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	The response to section 2.1, excluding 2.1.3 and 2.1.5, and 2.2 in the application	09/12/08
Additional information	Additional information received regarding site plan, drainage and emissions to air	08/04/09
Additional information	Additional information received regarding site plan and drainage	08/04/09
Additional information	Additional information received regarding EWC code applied for	01/08/09
Application EPR/RP3730GY/V002	Sections 1 to 3	28/11/09
Additional information	Additional information received in document "Response to schedule 5 questions" and attachments	12/02/10

**Table S4.1 Point source emissions to air- emission limits and monitoring requirements**

Emission point ref. & location	Parameter	Source	Limit including unit	Reference period	Monitoring frequency	Monitoring standard or method
A -1 Pressure vent/ relief valve	No parameters set	Storage tank 1	No limit set	--	--	Permanent sampling access not required
A -2 Pressure vent/ relief valve	No parameters set	Storage tank 2	No limit set	--	--	Permanent sampling access not required
A -3-a Pressure vent/ relief valve	No parameters set	Storage tank 3	No limit set	--	--	Permanent sampling access not required
A -3-b Pressure vent/ relief valve	No parameters set	Storage tank 3	No limit set	--	--	Permanent sampling access not required
A -4-a Pressure vent/ relief valve	No parameters set	Storage tank 4	No limit set	--	--	Permanent sampling access not required
A -4-b Pressure vent/ relief valve	No parameters set	Storage tank 4	No limit set	--	--	Permanent sampling access not required
A -5-a Pressure vent/ relief valve	No parameters set	Storage tank 5	No limit set	--	--	Permanent sampling access not required
A -5-b Pressure vent/ relief valve	No parameters set	Storage tank 5	No limit set	--	--	Permanent sampling access not required
A -6 Pressure vent/ relief valve	No parameters set	Storage tank 6	No limit set	--	--	Permanent sampling access not required
A -7 Vent	No parameters set	Storage tank 6	No limit set	--	--	Permanent sampling access not required
A -8 Vent	No parameters set	Water sludge intermediate storage in centrifuge	No limit set	--	--	Permanent sampling access not required
A -9 Stack	No parameters set	Road tanker	No limit set	--	--	Permanent sampling access not required
A -10 Stack	No parameters set	Package boiler	No limit set	--	--	Permanent sampling access not required
A -A -a Pressure vent/ relief valve	No parameters set	Storage tank A	No limit set	--	--	Permanent sampling access not required
A -A -b Pressure vent/ relief valve	No parameters set	Storage tank A	No limit set	--	--	Permanent sampling access not required
A -B -b Pressure vent/ relief valve	No parameters set	Storage tank B	No limit set	--	--	Permanent sampling access not required

A-B-b Pressure vent/ relief valve	No parameters set	Storage tank B	No limit set	--	--	Permanent sampling access not required
A-C-a Pressure vent/ relief valve	No parameters set	Storage tank C	No limit set	--	--	Permanent sampling access not required
A-C-b Pressure vent/ relief valve	No parameters set	Storage tank C	No limit set	--	--	Permanent sampling access not required
A-D-a Pressure vent/ relief valve	No parameters set	Storage tank D	No limit set	--	--	Permanent sampling access not required
A-D-b Pressure vent/ relief valve	No parameters set	Storage tank D	No limit set	--	--	Permanent sampling access not required
A-I-a Pressure vent/ relief valve	No parameters set	Storage tank I	No limit set	--	--	Permanent sampling access not required
A-I-b Pressure vent/ relief valve	No parameters set	Storage tank I	No limit set	--	--	Permanent sampling access not required
A-K-a Pressure vent/ relief valve	No parameters set	Storage tank K	No limit set	--	--	Permanent sampling access not required
A-K-b Pressure vent/ relief valve	No parameters set	Storage tank K	No limit set	--	--	Permanent sampling access not required

**Table S5.1 Annual treatment**

Parameter	Units
Waste oil processed through OTU	tonnes

**Table S5.2 Performance parameters**

Parameter	Frequency of assessment	Units
Energy usage	Annually	MWh

**Table S5.3 Reporting forms**

Media/ parameter	Reporting format	Date of form
Energy usage	Form energy 1 or other form as agreed in writing by the Agency	10/2009
Surface water	Form water 1 or other form as agreed in writing by the Agency	10/2009

### Schedule 3 – conditions to be added

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Agency by 31 January (or

## **Environment Agency Permitting decisions**

We have decided to vary the permit for Cumbrian Storage Limited for operations at their Cumbrian Storage Transhipment facility in Workington, Cumbria.

The permit number is **EPR/RP3730GY**.

The operator is **Cumbrian Storage Limited**.

The facility is located at **Site 1 and 2, Prince of Wales Dock, Workington, Cumbria, CA14 1BN**.

The decision was effective from **1 April 2010**

### **Summary of the decision**

We have decided to vary a permit for the operator, subject to the conditions in the permit.

We consider in reaching that decision we have taken into account all relevant considerations and legal requirements and that the permit will ensure that the appropriate level of environment protection is provided.

The main features of the site are as follows.

The installation is located adjacent to the Prince of Wales Dock, Workington, Cumbria, CA14 1BN at reference NG,229236,529485 and NG,299503,529579. The site is situated within a working harbour and surrounded by industry.

The installation will undertake the bulk liquid storage of chemicals and oils before being transferred for appropriate disposal or recovery processes at other installations. The installation is situated within two areas, Site 1 south and Site 2 north. Site south 1 receives and transfers materials from road type tankers and can also receive from ships/ marine vessels and to and from road/ rail wagon within a bunded impermeable area. Surface waters from Site 1 south, prior to discharge, passes through a series of interceptors prior to release to the unified common site port authority discharge point (W1). Site 2 north also lies on an impermeable concrete base and is also protected by a series of sumps prior to discharge to United Utilities Sewer (S1). The sumps within both sites undergo visual inspection prior to discharge in sequence, and if necessary can be vacuum tankered out for appropriate disposal.

All storage tanks are reported to be in good condition, fit for purpose and appropriately contained within impervious bunding that have capacities of at least 110% of the largest storage tanks, and will be maintained to a high



standard. However, Site 2 north will be required to undertake measures prior to its operation via a Pre-operational condition within the permit.

There are no reported significant abated point source emissions to air from the installation, and no reported emissions to groundwater.

There is one Site of Specific Scientific Interest (SSSI) within the 2km distance criteria, Siddick pond (at 859m), and one European Special Area of Conservation (SAC) and SSSI, the River Derwent & Bassenthwaite Lake (at 1486m). Assessment by the operator and the Environment Agency has indicated that emissions from the installation are unlikely to have a significant impact on the receiving environment.

In addition under this variation the company will operate on Site 1 south a small skid mounted oil treatment unit removing water and other contaminants from waste oils stored on site to improve their purity and hence potential range of options for recovery. The unit will operate by heating oil to 90°C and segregating the oil mixture into three substances i.e. treated oil phase, water and oily sludge.

Water and sludge will be removed off site for recovery and the oil will be transferred into existing storage tanks.

There are three new air emission points, one of which releases combustion products from a gas oil powered package steam boiler (A10) and the other two are vents associated with the storage of the water/ oily sludge mixture at the treatment unit (A8) and in a tanker trailer (A9). These are all of a minor nature. There is the potential of VOC emissions from the vent associated with the treatment unit. The actual level of the emissions produced and their associated environmental impact from A8 and A9 will be established as part of ongoing improvement conditions IC2 and IC3. IC2 requires the operator to develop and implement a monitoring plan detailing the proposed methodologies to carry out the monitoring of air emissions and performance whereas IC3 shall review the levels of emissions obtained during implementation of IC2 and undertake impact assessments for emissions to air using appropriate screening/ dispersion modelling with the appropriate assessment of the results.

There are no additional emissions to controlled water or sewer. The sites existing control measures are adequate for managing any accidental liquid releases from the additional activities and prevent pollution of controlled waters.

The original impact assessment of emissions from the installation on the receiving environment has not been influenced by the activities detailed in the variation. Impact assessment would be updated as required as part of completion of IC3 which is yet to be undertaken.

## **Purpose of this document**

This decision document:

- explains how the applicant's application has been determined;
- provides a record of the decision-making process;
- shows how all relevant factors have been taken into account; and
- justifies the specific conditions in the permit.

Unless the decision document specifies otherwise we have accepted the applicant's proposals.

## **Structure of this document**

- Key Issues of the decision;
- Annex 1 the decision check list.

## **Key Issues of the decision**

### **Environmental risk**

Due to the nature of the treatment process i.e. heating the oil to 90°C there is the risk of VOC emissions from vents at the existing receiving oil tanks (Any from A1 to A7) and from the vent located at the liquid waste storage sump (A8). The risk of VOC emissions from emission point A9 the liquid waste tanker trailer is considered to be low. No assessment using H1 or detailed dispersion modelling has been undertaken as part of the variation but these emissions will be monitored and assessed for environmental impact when they are up and running via the ongoing Improvement Conditions IC2 and IC3.

The release of excessive amounts of VOC is controlled by flashpoint analysis of the feed tank prior to treatment. Due to the scale of the oil treatment unit proposed, the existing control measures and the general lack of sensitive receptors there is considered to be no immediate risk to ambient air quality and sensitive receptors.

Emissions from the package boiler (A10) are considered to have an insignificant impact on air quality due to the size of the plant i.e. 0.24MW thermal input capacity.

There are no new point source emissions to surface water, groundwater or sewer. There are no significant fugitive releases associated with the new activities.

Accidental releases due to leakage, spillage or failure of containment have been adequately considered and the existing control measures i.e. secondary containment bunds, impermeable surface and no uncontrolled releases of water from the site will be sufficient to protect against potential pollution of controlled water and land. In addition fixed, above ground steel pipework will be used to transfer fuel to the boiler and waste to the tanker trailer. Accidental releases to air from the oil treatment unit and the package boiler should be prevented by the proposed control measures i.e. flash point analysis prior to treatment in the oil treatment unit (OTU), high and low temperature alarms and emergency shutdown in the OTU, maintenance of the package boiler in accordance to the manufacturers instructions.

### **Operational techniques**

The gas oil tank fuelling the package boiler will be the existing fuel oil storage tank located inside a bunded area. Fixed steel pipework will run above ground between the tank and the boiler with a short section of appropriately rated flexible hose to accommodate any minor vibrations. All pipework will be in areas of hard standing with drainage being collected at various point on the site and drainage could not leave the site uncontrolled ( manual operation of

valves) These are the existing drainage arrangements for the site and they are considered to be satisfactory to contain any spillage/ leakage occurring from the new activities.

The OTU inclusive of the components heat exchange unit; cyclone separation unit and all associated pipework from and to the oil storage tanks are all located within the existing secondary containment bund provided for all the oil storage tanks.

The waste produced by the centrifuge (water and sludge) is initially stored within the integral sump of the centrifuge unit within the bunded area and from there will be transferred via above ground fixed steel pipework to the tanker trailer stored in the impermeable yard area in close proximity of the centrifuge. There will only be a short flexible hose leading into the tanker trailer itself. Also, there are vents located on the centrifuge sump and the tanker trailer.

VOC emissions during treatment of the oil are controlled through flash point analysis of the oil in the feed tank prior to treatment. The OTU is equipped with high and low feedstock temperature and pressure alarm systems and a vibration sensor emergency shutdown system.

The package boiler is a small plant of 0.24MW thermal input capacity and emissions from this unit are not considered to have a significant impact on the ambient air quality. It is proposed to be maintained in accordance with the manufacturers manual which should ensure that the emissions are kept to a minimum and within specifications. It should also enable the boiler to run at the optimum efficiency reducing the potential for gas oil wastage.

The gas oil for the package boiler is delivered by third party oil distributors but observed by a site operative who will also operate the storage tank isolation valves before and after fuelling. The third party distributor is inducted prior to entering the site. This should prevent any major spillage of gas oil into the operator's yard area. Should spillage occur there are existing control measures on site to prevent pollution of controlled waters and land.

The proposed techniques for control are in line with the indicative BAT requirements contained in the TGN and we consider them to represent appropriate techniques for the facility.

### **Monitoring**

No monitoring requirements have been set in the variation notice since this will be addressed by the ongoing improvement condition IC2.

Standard reporting conditions from 4.2.2 onwards have been added to the permit as they were absent from the original permit. Condition 4.2.2 has been amended and condition 4.2.3 has been omitted to take account of the fact that no monitoring is currently being required to be undertaken at the site. Numbering of following standard reporting conditions has been amended accordingly.

### Annex 1: decision checklist

Activity	Justification / Detail	Determination criteria met	
		No	Yes
<b>Receipt of submission</b>			
Application fee	The application fee is correct after follow up during the duly made assessment stage. Charge based on the OPRA score for the site.		✓
Commercial confidentiality	The operator has not made a claim for commercial confidentiality. We have not received any information in relation to this application that appears to be confidential in relation to any party.		✓
<b>Operator</b>			
Control of the facility	We are satisfied that the applicant (now the operator) is the person who will have control over the operation of the facility after the grant of the permit. The decision was taken in accordance with EPR RGN 1 Understanding the meaning of operator		✓
<b>European Directives</b>			
Applicable Directives	The European Directives that apply are as follows:  IPPC Directive (2008/1/EC) Groundwater Directive (99/31/EC) Water Framework Directive (2000/60/EC) Habitats Directive (92/43/EEC)		
<b>Site site</b>			
Extent of the site of the facility	The operator has provided a plan which we consider is satisfactory, showing the extent of the site of the facility. A plan is included in the permit at Schedule 2, and the operator is required to carry on the permitted activities within the site boundary.		✓
<b>Environmental Risk Assessment and operating techniques</b>			
Environmental risk	We have reviewed the operator's assessment of the environmental risk from the facility.  No F11 was submitted as part of the variation application documentation. There are additional releases to air. The releases from the package boiler plant are considered to be insignificant and do not require screening or detailed assessment due to the size of the boiler plant 0.2MW thermal input capacity. The releases from the vents serving the sump of the Oil Treatment Unit (OTU) and the tanker trailer both containing the waste from the treatment process are unlikely to lead to significant environmental impact but will be assessed through the ongoing IC2 and IC3 improvement conditions. The release of excessive amounts of VOC is controlled by flashpoint analysis of the feed tank prior to treatment.  The assessment shows that, applying the conservative criteria in our guidance on Environmental Risk Assessment, all emissions may be categorised as environmentally insignificant with the exception of emissions from A8 and A9 where assessment is ongoing through IC2 and IC3. Control measures if required will be set up as a result of these improvement conditions being completed.		✓
Operating techniques	We have reviewed the techniques used by the operator and compared these with the relevant guidance notes – <i>How to comply with your environmental permit – Getting the basics right</i> , April 2008 and <i>Guidance for the recovery and disposal of hazardous and non hazardous waste, Sector Guidance Note IPPC55.06, issue 4</i> , December 2004.  The operator has adequately described how existing and additional control measures will be working together to prevent unacceptable releases to air, water and land. Detail is provided above in the section key issues of the decisions.  The proposed techniques for control are in line with the indicative SAI		✓

Activity	Justification / Detail	Determination criteria met	
		No	Yes
	requirements contained in the TGN and we consider them to represent appropriate techniques for the facility.		
Use of conditions other than those from the template	<p>The permit contains many conditions taken from our permit template we developed these conditions in consultation with industry having regard to the relevant legislation. This decision document does not include an explanation for these usual conditions.</p> <p>Where such conditions are imposed we have considered the application and accepted the details are sufficient and satisfactory to control that aspect of the operation.</p> <p>The activities that form part of the variation are considered to be adequately controlled by the existing management systems and management structures that are in place for this installation and that sufficient financial, technical and manpower resources are available to the operator to ensure compliance with all the permit conditions.</p> <p>Appropriate measures are in place to ensure that accidents that may cause pollution are minimised and that appropriate measures are in place to ensure that energy is used efficiently.</p> <p>Appropriate measures are in place such that waste production will be avoided as far as possible, and where waste is produced it will be recovered unless technically and economically impossible.</p> <p>The activities that form part of the variation are not considered to affect the existing situation with regards to the following:</p> <ul style="list-style-type: none"> <li>- appropriate infrastructure and procedures are in place to ensure that site remains secure.</li> <li>- appropriate measures are in place to ensure that the joint operation of the installation is conducted in a satisfactory manner.</li> <li>- appropriate measures are in place for the closure and decommissioning of the facility.</li> </ul> <p>It is considered that the appropriate measures are in place to prevent fugitive emissions, to prevent pollution from odour and to prevent annoyance from noise and vibration.</p>		✓
Incorporating the application	<p>We have specified that the applicant must operate his installation in accordance with the following descriptions in his application.</p> <p>See Table S1.2 of the variation notice. Additions are Section 1 to 3 of the application document (FPR/VP3730GY/V002) and additional information set out in document "Responses to schedule 5 questions".</p>		✓
Emission limits	This is being addressed for all existing emission points from the oil storage tanks and the emission points from the OTU as part of IC2 and IC3		✓
Monitoring	This is being addressed for all existing emission points from the oil storage tanks and the emission points from the OTU as part of IC2 and IC3		✓
Reporting	<p>We have specified reporting as specified in amended Schedule 5 for the following reasons.</p> <p>Addition of reporting for Annual Treatment amounts taking into account the added</p>		✓

Activity	Justification / Detail	Determination criteria met	
		No	Yes
	<p>activity of treating waste oil.</p> <p>There are still no monitoring requirements for emissions at the site and this will be possibly amended after completion of IC2 and IC3. Schedule 5 will start with Table S5.1 Annual treatment, followed by S5.2 performance parameters and S5.3 reporting forms.</p> <p>We made these decisions as a result of requirements set out in Sector Guidance Note IPPC S5.06.</p>		
<b>Operator Competence</b>			
Technical competence	<p>There is no known reason to consider that the operator will not have the management systems to enable it to comply with the permit conditions.</p> <p>The additional activities under consideration in the variation will not alter the competencies required for this site and are considered to be adequately addressed through the original application and the existing permit conditions</p>		✓
Relevant Convictions	<p>The National Enforcement Database has been checked to ensure that all relevant convictions have been declared. The operator satisfies the criteria in RGN 5 on Operator Competence</p> <p>No relevant convictions.</p>		✓
Financial provision	<p>There is no known reason to consider that the operator will not be financially able to comply with the permit conditions. The decision was taken in accordance with RGN 5 on Operator Competence.</p>		✓
<b>OPRA</b>			
Opra Score	<p>The Opra score is 35.</p> <p>The Opra score has not changed from that set out in the application.</p>		

The documents are:

- a statement of the grounds of appeal;
- a copy of any relevant application;
- a copy of any relevant environmental permit;
- a copy of any relevant correspondence between the appellant and the regulator;
- a copy of any decision or notice which is the subject matter of the appeal; and
- a statement indicating whether you wish the appeal to be in the form of a hearing or dealt with by way of written representations.

You may withdraw an appeal by notifying the Secretary of State in writing and sending a copy of that notification to us.

If you have any questions about this permit you need to speak to your area environment management team. Please phone 08708 506 506 or email [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk)

Yours sincerely



Rebecca Palmer  
**Permit Support Centre**