

PERMIT

Pollution Prevention and Control Act 1999

Environmental Permitting (England and Wales) Regulations 2010 as amended

Permit Reference: B16/13

Huntingdonshire District Council (the regulator) hereby permits Greener Surfacing Limited Kingfisher Business Centre Burnley Road Rawtenstall Lancashire BB4 8EQ to operate a mobile asphalt recycling plant as defined in Part 2 of Schedule 1 to the EP Regulations Section 6.3 Part B(a)(i), and as described below in accordance with the following conditions which shall apply forthwith.

Make RSL Mobile asphalt recycler
Model VEB5000 Hot recycler
Serial number: VEB5000261113TMGS

Description of Activity

The activity involves screening and re-heating asphalt planings to enable them to be re-used.

Planings are initially delivered to the stocking area and checked for the presence of tar; any tar bound planings found are quarantined. The planings are then screened to produce materials with a range of gradings suitable for the production of Binder Course and Surface Course materials. Samples of the screened materials are taken to determine their binder content and stiffness, as well as grading. This allows products to be designed to comply with the required grading for specific applications, and the appropriate level of rejuvenator for either hand lay or machine lay operations to be determined.

The VEB5000 comprises of a rotating steel drum mounted on a standard "artic trailer chassis", with a burner mounted on a slide rail assembly at the open end of the drum and an exhaust stack at the closed end. With the burner retracted, screened planings are fed into the drum through a loading chute fed by a conveyor and ground feed hopper. A "bucket weigher" on the loading shovel allows the operator to measure the quantity of planings loaded and ensure that the drum is not over loaded.

Once the drum is fully loaded, the burner is inserted into the drum and heating of the mixture commences. To assist with the heating and remixing process the drum has a number of steel plates fitted to the inside surface which both fold and turn the asphalt product as it is heated. This action, combined with careful control of the drum rotation speed minimises the volume of particulates produced.

The heating cycle is controlled via an external control panel at the rear of the drum; the operator is also provided with pendant hand controls to operate the drum during the discharge cycle. The control panel incorporates stop/start controls for the donkey engine, fan and burner controls, plus an adjustable timer for the heating cycle. Overheating of the drum and product is prevented by a temperature sensor which is located in the exhaust stack of the machine.

Ignition / flashing over of the bituminous material within the drum is avoided by ensuring the feedstock has a moisture content of approx 15-20%; this moisture within the mix creates a steam blanket within the drum. When the majority of water vapour has been evaporated and the product is at the correct temperature for transportation and laying, the drum is raised and the product discharged. The temperature of the product is checked using a calibrated hand held optical thermometer.

Dust from the manufacture of recycled material is absorbed as a byproduct of the process which minimises emissions at discharge because it is bound into the mixed material being produced.

Waste gases from the machine are released to atmosphere through the exhaust stack.

Potential emissions are odour and particulates from the process and fugitive particulate emissions from the activity.

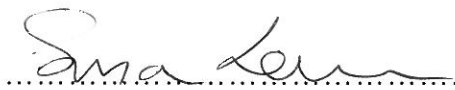
Conditions

	Pollutant	Emission limit	Type of monitoring	Frequency of monitoring
1	Total particulate matter	50mg/m ³	Manual extractive monitoring ⁽¹⁾	Annual ⁽²⁾
2	Particulate matter	Visible emissions crossing the site boundary	Operator assessment ⁽³⁾	3 time daily when in operation
3	Odour	Offensive odours detectable off site	Operator assessment ⁽³⁾	3 time daily when in operation
(1) In accordance with the relevant standard as shown in the process guidance note 3/15a(04) Secretary of State's Guidance for Roadstone Coating Process or amended				
(2) Monitoring frequency may be varied following a successful variation application to the regulator.				

4. Operator assessments required to comply with conditions 2 and 3 shall be recorded and include the following information:
 - (a) Time of test taken
 - (b) Location of test taken
 - (c) Results

5. The maximum concentration of sulphur in fuel shall be 0.1%wt/wt. This shall apply where gas, oil or recovered oil which meets the definition of gas oil as defined in the Sulphur Content of Certain Liquid Fuels Directive (1999/32/EC) is used.
6. The operator shall keep records of inspections, tests and monitoring, including all non-continuous monitoring, inspections and visual assessments. The records shall be:
 - (a) Kept on site or if kept off site shall be made available for inspection within one working week of any request by the regulator.
 - (b) Kept by the operator for at least two years; and
 - (c) Made available for the regulator to examine.
7. The operator shall notify the regulator at least 7 days before any periodic monitoring exercise.
8. The results of the periodic monitoring exercise shall be forwarded to the regulator within 8 weeks of the completion of the sampling.
9. Adverse results from any monitoring activity shall be investigated by the operator as soon as the monitoring data has been obtained/ received. The operator shall:
 - (a) Identify the cause and take corrective action.
 - (b) Record as much detail as possible regarding the cause and extent of the problem, and the action taken by the operator to rectify the situation.
 - (c) Re-test to demonstrate compliance as soon as possible; and
 - (d) Notify the regulator.
10. Where in the opinion of the regulator, there is evidence of airborne dust or offensive odours from the process off the site, the operator shall make their own inspection and assessment, and where necessary corrective action shall be taken without delay.
11. In the case of abnormal emissions, malfunction or breakdown leading to abnormal emissions the operator shall:
 - (a) Investigate and undertake remedial action immediately.
 - (b) Adjust the process or activity to minimise those emissions; and
 - (c) Promptly record the events and actions taken.
12. The regulator shall be informed without delay:
 - (a) If there is an emission that is likely to have an effect on the local community.
13. Prior to moving the plant to a new location the regulator shall be notified of the destination and estimation of the duration of works.
14. The operator shall provide a list of key plant and shall have written procedures for its operation including failure in order to minimise any adverse effects.
15. Stockpiles shall be positioned after consideration to local factors including prevailing winds, sheltered positions, proximity to neighbours and site operations to avoid emissions of dust or odour leaving the site. If necessary suitable suppression techniques shall be used.

16. Where road vehicles are used to transport potentially dusty materials, they shall be sheeted or otherwise totally enclosed as soon as possible after loading and before leaving the site.
17. Spares and consumables – in particular, those subject to continual wear – shall be held on site, or shall be available at short notice from guaranteed local suppliers, so that breakdowns can be rectified rapidly.
18. The plant shall be maintained as per B16/13(a) Maintenance Schedule.
19. A record of such maintenance shall be made available for inspection.
20. Training of all staff with responsibility for operating the process shall include:
 - (a) Awareness of their responsibility under the permit.
 - (b) Minimising emissions on start up and shut down.
 - (c) Action to minimise emissions during abnormal conditions.
21. The operator shall maintain a statement of training requirements for each operational post and keep a record of the training received by each person whose actions may have an impact on the environment. These documents shall be made available to the regulator on request.
22. The best available techniques shall be used to prevent or, where that is not practicable, reduce emissions from the installation in relation to any aspect of the operation of the installation which is not regulated by any other condition of this permit.
23. If the operator proposes to make a change in operation of the installation, he must, at least 14 days before making the change, notify the regulator in writing. The notification must contain a description of the proposed change in operation. It is not necessary to make such a notification if an application to vary this permit has been made and the application contains a description of the proposed change. In this condition 'change in operation' means a change in the nature or functioning, or an extension, of the installation, which may have consequences for the environment.

Signed: 

Head of Environmental and Community Health Services

Date: 06 January 2014

GENERAL NOTES

1 Variation

The regulator will ensure that the permit remains up to date in line with the requirements set out in Regulation 20(1). This may involve issuing a Variation Notice following amendment to the Secretary of State's Guidance Notes or following receipt of any direction from the Secretary of State.

2 Review of Conditions

The regulator may at any time undertake a review of the conditions in this permit under Regulation 34(1). Where significant pollution is encountered or where there are changes in BAT or where the operational safety of the activity requires other techniques to be used an immediate review shall be undertaken.

3 Appeal

The permitted operator can appeal in writing to the Secretary of State against the items listed in Regulation 31.

Appeals shall be addressed to:

The Planning Inspectorate
Environment Team, Major & Specialist Casework
Room 4/04 Kite Wing
Temple Quay House
2 The Square
Temple Quay
Bristol, BS1 6PN

4 Transfer of Permit

The permitted operator who wishes to transfer the whole or part of the permit to a person who proposes to carry out the activity in the holder's place may do so in accordance with Regulation 21. Both the operator and the proposed transferee shall jointly make an application to the regulator to effect the transfer. An application shall include the permit and any fee prescribed in respect of the transfer under Regulation 19 and shall contain the operator's and the proposed transferee's contact details.

5 Variation of Conditions of Permits

Under Regulation 20, the operator may apply to the regulator to vary the conditions contained within the permit. Such application shall be made in accordance with Part 1 of Schedule 5 and shall be accompanied by any fee prescribed in respect of the application under Regulation 19; and paragraphs 8 of Part 1 of Schedule 5 and paragraphs 5(3) and (4) of schedule 5 shall have effect with respect to such applications.

6 Other Legal Requirements

This permit is issued solely for the purpose of the Pollution Prevention and Control Act and its associated Regulations and the operator must ensure that he complies with all other statutory requirements.

7 Annual Subsistence Charge

The Secretary of State has drawn up a charging scheme under Regulation 19. Under this scheme Local Authorities are required to levy an annual subsistence charge related to the permit. The Local Authority will invoice for the amount due which is subject to annual review by the Department of the Environment Food and Rural Affairs.

B16/13(a) Maintenance Schedule

Item	DAILY or Every 10 Hours of Use	WEEKLY or Every 50 Hours of Use	MONTHLY	6 MONTHLY	YEARLY	Hours of use
A) General Maintenance						
Grease machine	*					
Dust particle clean out	*					
Are there any leaks from the Feed Hopper or Discharge Hopper		*				
Check Guards		*				
Remove/Clean or replace Filters & Check Operation			*			
Clean Out Oil Lubricators, Refill & Check Operation			*			
Check Ladders, Guards, Walkways & Handrails			*			
Check Burner Carriage Mechanism			*			
Check condition of Identification Labels					*	
A) Burner (Riyallo)						
Follow the Maintenance Schedule as depicted in the Burner Manual						
B) Chassis						
Check Fixing Points (visual check daily then comprehensive check monthly)	*					
Check all Grease Points and grease		*				
Check all Pivot Points for wear		*				
Check Fluid Levels		*				
Check Drive Couplings & V' Belts		*				
Clean & check Operation Limit Switch		*				
Check Operation of E-Stop Buttons		*				
Check Bolts Throughout			*			
Check Condition of Welded and Bolted Joints				*		

Item	DAILY or Every 10 Hours of Use	WEEKLY or Every 50 Hours of Use	MONTHLY	6 MONTHLY	YEARLY	Hours of use
Check and address any Corrosion				*		
Check Trunion Rollers for Wear			*			
Check Structural Integrity				*		
Check Operation of Burner Carriage			*			
Are Guards Fitted & In Good Condition			*			
Check Condition of Head Chute			*			
C) Drum						
Inspect the main roller path and fixings around the Drum for wear & fatigue fractures	*					
Check condition of Drum		*				
Check condition of Flights / Lifters		*				
Check Roller Path		*				
Check Roller Path Support Brackets		*				
Is Gear Box and Mountings structurally sound		*				
Check Gear Box oil		*				
C) Feed Bin & Discharge Hopper						
Is the Feeder and Discharge Hopper free from internal and external build up	*					
Is the Feeder and Discharge Hopper structurally sound		*				
Is the Feeder securely suspended under all conditions of load		*				
D) Reciprocating Feeder			*			
Is the Feeder free from external build up		*				
Is the Feeder secure under all conditions of load		*				

Item	DAILY or Every 10 Hours of Use	WEEKLY or Every 50 Hours of Use	MONTHLY	6 MONTHLY	YEARLY	Hours of Use
Clean around Rams / Cylinders		*				
Clean Feeder Support Wheels		*				
Are there any leaks from the Hydraulic Hoses		*				
Is the Feeder corrosion free & clean		*				
Repair any Hydraulic Leaks		*				
Is the Reciprocating feeder structurally sound			*			
F) Engine and Generator						
Check the oil level	*					
Check the water level	*					
Check the Air Filter and it's Indicator	*					
Check the fuel level	*					
Check the batteries	*					
While Engine is running check for water, fuel and oil leaks	*					
Check all Belts	*					
Check if Radiator needs cleaning	*					
Add the antifreeze into the cooling system just before the winter					*	
Maintenance "A"						
Change the Engine Oil (running in period)				*		20-50
Change the oil fillers (running in period)				*		20-50
Change the fuel fillers (running in period)				*		20-50
Change the air fillers if necessary (running in period)				*		20-50
After running in period repeat:						

Item	DAILY or Every 10 Hours of Use	WEEKLY or Every 50 Hours of Use	MONTHLY	6 MONTHLY	YEARLY	Hours of use
Maintenance "A"				*		200
Maintenance "A" plus renew antifreeze & change water filters					*	800
Maintenance "A" plus check the injector settings & valve settings						1200
Maintenance "A" plus repair the fuel pump, injectors, and turbocharges & change the vibration isolators on the frame						2400
G) Hydraulic System						
Check oil level	*					
Check Hydraulic Rams & Safety Lock Valves		*				
Check for Hydraulic Leaks		*				
Check Condition of Filter			*			
Check Condition Breather Filter			*			
H) Fuel Filters						
Visual check and drain water if required	*					
Check all electrical connections for corrosion					*	

A) Where maintenance is required at the hourly intervals, refer to hour meter located on the control panel of machine.

B) Recommended service intervals are for normal operating conditions. Service more often if machine is operated under adverse conditions.

C) Neglecting maintenance can result in failures or permanent damage to the machine.