

Application for an environmental permit – Part C2 general – varying a bespoke permit

Permit number: EPR/NP3099FS

Document number 5: 6 Risk assessment

Workplace: Whole site	Risk assessment: Environmental
Reference no: RA 52	Date originated: 18/01/2013
Brief description of process: Under Environmental Permit EPR/NP3099FS, Harp International is authorised by the Environment Agency to perform waste operations in the form of distillation, separation, compressing, depressurising and drying of hazardous waste for recovery. An environmental risk assessment is a requirement of the permit to ensure pollution is considered, prevented and minimised.	

Hazard Identification

Emissions to air
 Ozone creation
 Global warming
 Releases to water
 Releases to land
 Noise pollution
 Visual pollution e.g. a white cloud from a large leak
 Production of waste
 Use of electricity
 Toxic decomposition products & black smoke in the event of a fire

Who could be harmed?

Employees ☐ Contractors ☐ Visitors ☐ Public ☐

Identify any other individuals or groups of individuals especially at risk:

Young persons ☐ Trainees/Inexperienced persons ☐ New/Expectant Mothers ☐
 Disabled Persons ☐ New Employees ☐ Lone Workers ☐
 Other ☒ (please specify)...The environment.....

Risk control systems currently in place

Our environmental permit allows us to accept waste in the form of gases under pressure and some organic chemicals only
 The transfer of waste is via closed systems in all cases
 All liquids are stored in a bund
 Spill kits and drain blockers are located around the site
 Harp has a zero emissions policy
 Ozone depleting refrigerants have now been banned
 All waste is returned in dedicated yellow top cylinders
 All cylinders are barcoded for complete traceability
 Consignment notes are provided to customers
 All cylinders, hoses, drums and tanks are regularly tested
 Regular leak checks are carried out on the reclaim plant
 Emergency stop buttons and alarms
 Mass balance carried out
 Training and awareness
 Oil waste is transferred from the boiler into drums and stored in a bund until collected by a contractor
 Molecular sieve waste is transferred into drums for collection by a contractor
 Waste carriers licences held on file
 All waste transfer notes and consignment notes retained

Reclaim operations do not produce significant noise levels and cannot be heard from outside the building
 Fire risk assessment (RA03) and preventative measures in place. See Fire Log.
 Fire brigade attend site for familiarisation visits on a regular basis
 Waste generated on site is segregated for recycling as far as possible. General waste sent to landfill is around 10% of total waste generated.
 Management programme in place to reduce energy consumption
 If our permit variation application is successful, oil waste accepted on site in plastic containers would be stored on bunded pallets until transferred to a 2000 litre double skinned tank which would be sent for recycling when full.

Is health surveillance carried out?

Not applicable

Risk rating (Using the values below, calculate the risk rating)

Risk = severity estimate x probability estimate

$$\text{Risk} = 3 \times 1 = 3$$

Severity rating of hazard	Value
Catastrophic (Imminent danger exists, hazard capable of causing death and illness on a wide scale)	4
Critical (Hazard can result in serious illness, severe injury, property and equipment damage)	3
Marginal (Hazard can cause illness, injury or equipment damage, but the results would not be expected to be serious)	2
Negligible (Hazard will not result in serious injury or illness, remote possibility of damage or injury beyond minor first aid)	1

Probability rating of hazard	Value
Probable (Likely to occur immediately or shortly)	4
Reasonably probable (Probably will occur in time)	3
Remote (May occur in time)	2
Extremely remote (Unlikely to occur)	1

Risk classification: (Please consult guidelines & tick)	Low	Medium	High
Review frequency	5 years	3 years	1 year

Hazard	Could the hazard be.... (Y/N)					
	Eliminated?	Substituted?	Controlled by a barrier / guard?	Controlled by procedure?	Controlled by warning signs	Controlled by use of PPE?
Environmental	N	N	N	In place	N	N

Action list (Recommendations for further improvement)

No recommendations at this time.

Remedial action to be completed by	Date	Responsibility	Signed	Date complete
Now re-assess and re-score the risks				

If no remedial action is required, assessment review date: May 2019

Assessment completed	Name	Signature	Date
	Caroline Harries		18/01/2013
Assessment reviewed	Caroline Harries		26/01/2016
Assessment reviewed	Caroline Harries		06/05/2016