



**Garth Isaf Farm
Efail Isaf,
Pontypridd,
Rhondda Cynon Taff
CF38 1SN**

**RYAN JONES PLANT HIRE LTD.
GARTH ISAF FARM
EFAIL ISAF
CHURCH VILLAGE
AND GLAM.
CF38 1SN**

ENVIRONMENTAL ACTION PLAN

For activities regarding road transport, waste recovery for derived material from Inert Construction Waste and Improvements for Agricultural Benefits

Reference Number RJPH WAST-005-EAP

Rev. No	Date	Description	Approved	Issued
000	02 Nov 2017	First Issue	PB	
001	16 Mar 2018	First review and update	PB	
002	15/06/2018	Rebrand from Environmental Management Plan, review and update to include agricultural activities	PB	
003	12/08/2018	2018 Planning application references included	PB	
004	12/11/2018	Review and Update for Permit Application	PB	12/11/18 

CONTENTS LIST

Item	Concerning	Page
Foreword	General introduction to the site and activities	3
1 Environmental Impacts and Controls	1.1.1 Risk Assessments	5
	1.1.2 Monitoring of Surrounding Streams and Water Courses	6
	1.1.3 Monitoring of Noise Levels	7
	1.1.4 Monitoring of Light Pollution Levels	8
	1.1.5 Storage and Stockpiling of Materials	8
	1.1.6 Disposal of Waste	8
	1.1.7 Environmental Recovery Plan	9
	1.2 Control of Substances Hazardous to Health (COSHH)	10
2. Accident/Pollution Incident Management Plan, including:	2.1 Site Plan	11
	2.2 Key site Emergency Contacts	12
	2.3 List of Substances and Storage Facilities	13
	2.4 Preventing accidents..... and what to do if they happen	13
3. Maintenance Checklist and Maintenance Records	Schedule of equipment likely to be found on site and any required testing	14
4. Training Checklist/Records	Schedule of the required staff training for the site	15
5. Complaints	Procedure for dealing with complaints from members of the public	16
6. Accident/Incident Reporting	Procedure for recording accidents or incidents with external parties	17
7. Posters and signs	Posters and signs likely to be deployed around the site at time to time depending on activities	18-19
8. Closing comments and review procedure for the EAP	Close out of EAP with review procedure notes	20

Inclusions:

Site Specific Risk Assessment

RJPH Health & Safety - Register and Risk Assessments

RJPH COSHH – Register and Assessment Forms

Foreword:

Ryan Jones Plant Hire Ltd (RJPH) is principally a road haulage company operating out of Garth Isaf Farm, Efail Isaf, Pontypridd. The principle business being the transport of aggregates and waste disposal/recovery services to the local construction industry. Supplementary activities include equipment, plant hire and agricultural activities.

Garth Isaf Farm comprises of mainly pasture land of 35 Hectares which, within the confines of this, there is are two large farm houses, various farm buildings, stables, workshop and offices housed to operate the business activities which include horse training stables, agricultural activities such as pastures for grazing/silage production and a waste recovery operation for re-profiling an area of approximately 4.7 Hectares for the construction of an amenity lake and a horse training manège area, hereafter referred to as the 'site', together with works to a further 4.1 hectares for agricultural improvement at other locations.

The activities dealt with in this EAP relate to the transport and waste recovery operations carried out on the site with other activities dealt with elsewhere.

In relation to the transport activities, these are controlled by external bodies such as VOSA/the Office of the Traffic Commissioner etc. however, the supporting activities for transport and plant hire activities, such as workshops, fuel bunkers etc. are included.

Detailed inclusion is given to the Waste Recovery operation on the site that has been in operation in some form or another for over twenty years under various exemptions and permissions notably without any environmental pollution incidents. This EAP is intended to collate all aspects relative to the site for environmental management concerns.

RJPH is operated by a team consisting of a Director and General Manager supported by around 15 members of staff. RJPH uses third party external support for specialist aspects such as Ecology, Environment and Health & Safety advice matters. Access to and from the farm and the site is via an unadopted lane which connects the farm to the highway nearest village of Efail Isaf.

The management team liaise directly with residents to minimise the impact on the local community and are constantly reviewing policies and procedures to maintain the good relationship.

The site programme is to operate the waste recovery and earthworks formation with the inert materials generated by the recycling and screening materials for the recovery of around 327,956 tonnes of waste into non-waste for use for re-profiling the site and to produce aggregates for use within the site and farm. At the time of writing some 99,949 tonnes have been recovered to date, leaving a further 228,007 tonnes to complete. With the average annual recovery being around 30-40,000 tonnes of material, the anticipated lifespan for the activities for waste recovery etc. is therefore some 6-7 years,

running to 2024-25 at time of writing, depending on various aspects such as material availability, economic viability etc.

The waste recovery operation operates under a combination of permit and exemptions, the principle permit currently being an Environmental Agency Permit SR2010 No11, Deployment for treatment of waste to produce soil, soil substitutes and aggregates using mobile plant. The delivery team are currently working with NRW to obtain relevant permits to complete the various activities given above.

This EAP should be read and utilised in conjunction with the following related RJPH WAST documents

- RJPH WAST 001 – Waste Recovery Plan
- RJPH WAST 002 – Construction Quality Assurance Plan
- RJPH WAST 002A – Quality Management System
- RJPH WAST 003 – Specification for the Works
- RJPH WAST 004 – Site Condition Report (Inc. Historical Fill)
- RJPH WAST 005 – Environmental Action Plan

where any ambiguity is found between documents, then the more specific/onerous detail is to be dominant.

1. Environmental Impacts Plan and Controls

1.1.1 Risk Assessments

Included below is a table of current generic HSRA's used for the works. Note that the list is not to be viewed as definitive and may be added to due to varying circumstances. Every effort is made to ensure there is no contamination of water courses from the machinery working

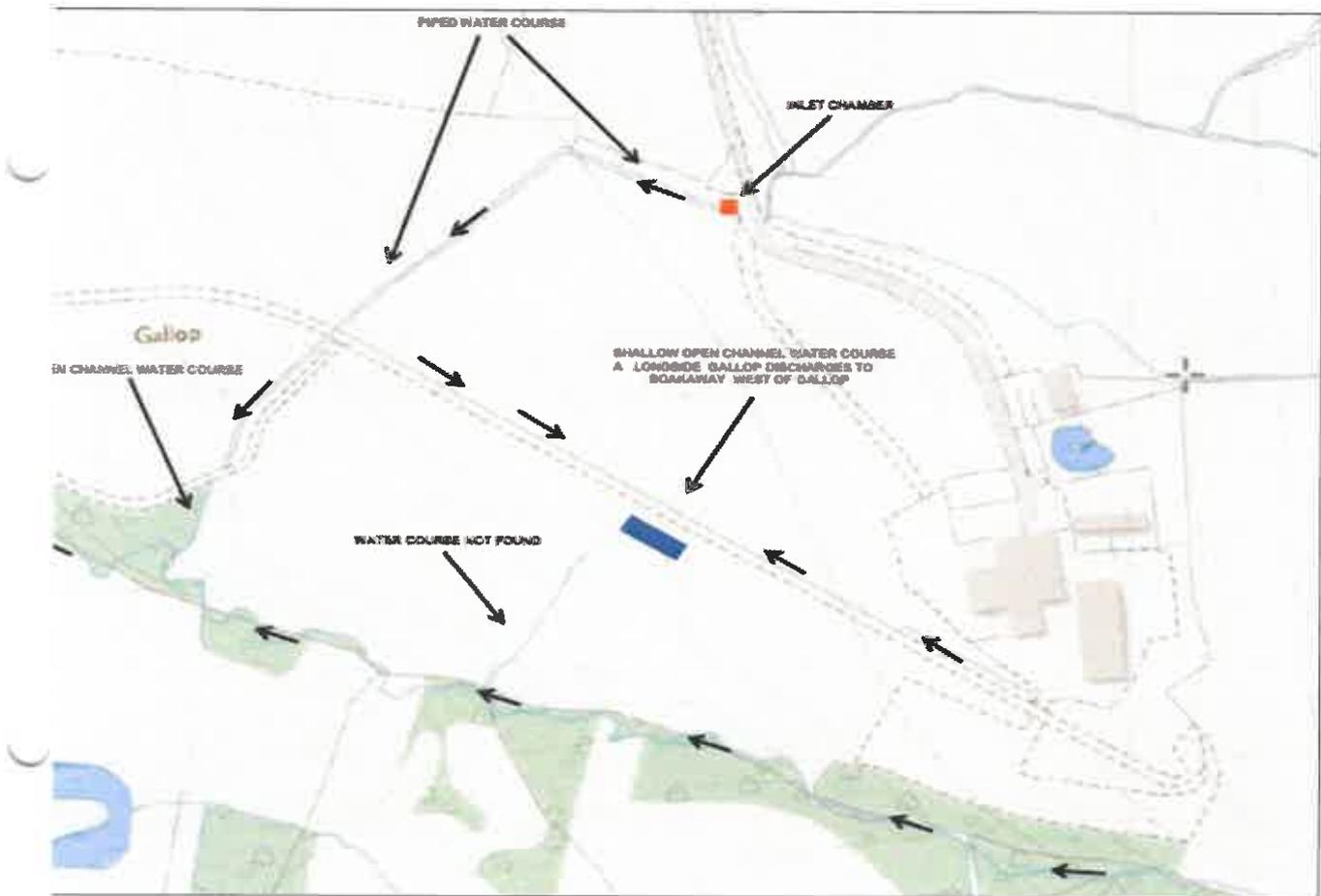
Activity:

No	Site Activity	Risk Assessment Reference
1	Operation of Mobile Jaw Crushing Equipment	RJPH HSRA 01
2	Operation of 360° Excavators	RJPH HSRA 02
3	Refuelling of Plant and Machinery	RJPH HSRA 04
4	Site visit by Maintenance Engineer	RJPH HSRA 07
5	Operation of Screening Equipment	RJPH HSRA 08
6	Operation of a Rear Tipping Dump Truck, 10-35t Articulated	RJPH HSRA 09
7	Operation of a Forward Tipping Dump Truck, 1-9t	RJPH HSRA 10
8	Operation of a Ride On Roller	RJPH HSRA 11
9	Operation of a Towed Vibrating Roller	RJPH HSRA 12
10	Operation of a Conveyor Stacker	RJPH HSRA 16
11	Operation of a Rigid Tipper Lorry	RJPH HSRA 18
12	Storage and Use of Diesel Fuels	RJPH HSRA 19
13	Tipping and levelling of materials	RJPH HSRA 20
14	Operating Machinery adjacent to water courses	RJPH HSRA 21
15	Working near Overhead Power Lines	RJPH HSRA 22
16	Tyre Inspections	RJPH HSRA 23
17	Vehicle Manoeuvring	RJPH HSRA 24
18	Manoeuvring Heavy Vehicles in Dusty Conditions	RJPH HSRA 25
19	Working/Driving//Operating in Hot Weather Conditions	RJPH HSRA 26
20	Transporting Contaminated/Hazardous Materials	RJPH HSRA 27
21	In Cab Technology – Distraction of Driver/Operator	RJPH HSRA 28

*Risk Assessments are kept at RJPH Head Office, copies are available on request.

1.1.2 Monitoring of Surrounding Streams and Water Courses

Periodic monitoring of water course and streams leading off site are currently carried out by Natural Resources Wales, albeit it at some distance from site. However, any deficiencies in water quality would be reported to the company and investigated for the source of the issue. There have been no water quality issues to report yet in the working of the site. A plan showing the current on site drainage is below that shows that the site is basically self-contained with surface water running around site via a mixture of open or piped watercourses.



1.1.3 Monitoring of Noise Levels

Monitoring of noise level that could impact on the local population is carried out under the guidance document issued by Natural Resources Wales – Horizontal Guidance for Noise Part 2. Readings are taken periodically when equipment is working and recorded accordingly. Records of such testing are kept at RJPH Head Office.

Should any readings indicate a nuisance level then a non-conformance will occur, and appropriate steps will be taken to correct this. A plan showing the set locations for periodical monitoring, is shown below



Site (green line boundary) and noise monitoring locations, MP1-5

1.1.4 Monitoring of Light Pollution Levels

Not Applicable to this site

1.1.5 Storage and Stockpiling of Materials

Materials to be stored or stockpiled on site will be kept in tidy manner considering any potential adverse environmental and/or health & safety effects, following manufacturers guidance or other best practice information available.

1.1.6 Disposal of Waste

All imported waste is subjected to the processing to produce non-waste. Material is screened for unsuitable materials by characteristics (usually by hand) and any rejected materials set aside within a work sterile environment for future reprocessing or disposal. Unsuitable materials are separated and bundled for recycling and or scrapping depending on their composition. Materials found to be non-recyclable are transferred for land fill. Unsuitable material by characteristics are items such as plastics, wood, metal etc. Other items for disposal as Controlled Waste are:

- Tyres – All waste Tyres are collected for recycling by a licenced contractor. RJPH are provided with waste transfer notices which are appropriately filed and recorded.
- Batteries – All waste batteries are set aside in a sterile zone before delivery to a local facility where they are disposed of correctly. RJPH are provided with consignment notes/waste transfer notes as relevant, which are appropriately filed and recorded.
- Oils – Waste oils are stored correctly and set aside for use in the on-site oil burner which also provides heat to the workshops.

1.1.7 Environmental Recovery Plan

In the event of a major spill of environmentally damaging substances the procedure for controlling and eliminating spills will be called upon.

Here, in the next few paragraphs we will paraphrase that procedure in abbreviated form.

Fuel Oils – Hydraulic Mineral Oils – Gear and Engine Oils - Spillage controls of 25 litres or more

Operatives discovering the spill will immediately deploy the appropriate spill kit to contain the volume and absorb as much as possible of the substance. Supervisory and management teams will be informed as soon as is practical and their emergency procedures activated.

Non-permeable membranes will be acquired and laid adjacent to the affected area to control any possible substance absorption into the ground from the used spill kit materials. Large Bins will hold any used materials and items for suitable storage and transport to a registered disposal site.

Contaminated earth materials will be dug out as quickly as is practical using the plant machinery kept in operations at the sites recycling area and immediately loaded into a sealed bin / Transport lorry for suitable disposal at a registered land fill site or transfer station.

e.g.

Hazardous Waste Transfer Station

Curran Embankment

Cardiff

CF10 5FX

(Owned and operated by commercial entity: BIFFA Waste)

All Major Spills are reported as soon as is practical to:

Natural Resources Wales

Cambria House

29 Newport Road

Cardiff

CF24 0TP

0300 065 3000 (Mon-Fri, 8am - 6pm)

www.naturalresourceswales.gov.uk

On Sign off from NRW any voids will be filled and levelled and returned to their former state by the existing machinery and materials available over the wider site.

1.2 Control of Substances Hazardous to Health (COSHH)

The table below lists the COSHH Risk Assessments for materials most likely to be found on site, note that this list is not to be viewed as definitive and full copy of all COSHH risk assessments can be found in Appendix B. Safety sheets for materials are kept in Head Office records, copies are available on request.

Assessment no.	Activity	Classification (danger)
H&S-CRA01	Autosmart "Tardis" 'Tar and glue remover'	Harmful Irritant Flammable
H&S-CRA02	Autosmart G101 Cleaning Agent	Corrosive Sensitising Environmental
H&S-CRA03	Gear Oil EP 80W-90	Corrosive Irritant Sensitising Flammable Environmental
H&S-CRA04	Hydraulic Rando HD-Z46	Corrosive Irritant Sensitising Flammable Environmental
H&S-CRA05	SAE 30 Diesel Engine Oil (highly refined mineral oil)	Corrosive Irritant Sensitising Flammable Environmental
H&S-CRA06	WD40 Spray Light Oil Lubricant	Harmful Highly Flammable Environmental
H&S-CRA07	White Spirits	Harmful Flammable Environmental
H&S-CRA08	BOC Propane Gas	Harmful Extremely Flammable
H&S-CRA09	BOC Acetylene Gas	Harmful Extremely Flammable

2. Accident / Pollution Incident Management Plan

2.1 Site Plan



2.2 Key Site and Emergency Contacts

The following table contains information and contacts that may be needed in an emergency.

SITE DETAILS			
Location: GARTH ISAF FARM, EFAIL ISAF, PONTYPRIDD, CF38 1SN			
SITE CONTACTS	NAME	Office Hours	Out of Hours
Owner	Ryan Jones	01443 203276	07831 534161
General Manager	Paul Bastuba	01443 203276	07706 192424
First Aider on site	Jade Williams	01443 203276	07765 378831
EMERGENCY SERVICES			
AMBULANCE/FIRE/POLICE	999		
NON-EMERGENCY			Post Code
Police	Pontypridd Police Station	01443 743614	CF37 2TR
Hospital - Nearest A&E	Royal Glamorgan Hospital	01443 443443	CF72 8XR
Fire	Pontypridd Fire Station	01443 232000	CF37 1RU
REGULATORS			
Health & Safety Executive	Cardiff	029 2026 3120	
Local Authority	For pollution incidents	01443 425001	
Natural Resources Wales	For pollution incidents	0300 065 3000	



Route to nearest Accident & Emergency Hospital, CF72 8XR

2.3 List of Substances and Storage Facilities

See COSHH Risk Assessments in Appendix 2

Examples:

Substance	Risks/Hazards	Controls
Gas Oil – Diesel Fuels	Toxic to aquatic organisms May cause long term adverse effects to the environment	Suitable PPE to be used Bunded Tanks Controlled distribution Spill kits All spills reported COSHH Data sheets on-site
Engine Oils, Gear Oils and Hydraulic Oils	Does not combine with water Can suffocate water courses De-oxygenate streams	Suitable PPE to be used Controlled storage in small quantities Spill kits All spills reported COSHH Data sheets on site
Cleaning Agents	Corrosive Sensitising Environmental Irritant Flammable	Suitable PPE to be used Controlled storage in small quantities Spill kits All spills reported COSHH Data sheets on site

2.4 Preventing Accidents..... and What to do if they happen

POSSIBLE ACCIDENT/INCIDENT	WHAT WOULD THE HARM BE?	HOW CAN WE REDUCE THE CHANCE OF IT HAPPENING?	WHAT TO DO IF IT HAPPENS
Spillages Spillage during transfer, crushing and compacting of material	Contamination of land, drains, groundwater and watercourses	Validate all material for import pre-movement and carry out visual and olfactory tests when loading/unloading	Follow the quarantine of material procedure in the Quality Management Plan
Spillage during refuelling of plant and equipment	Contamination of land, drains, groundwater and watercourses	Use drip trays, funnels, and anti-spill equipment.	Follow the spill response procedure
Surface Water run-off	Contamination of land, drains, groundwater and watercourses by suspended solids	Install and maintain suitable temporary drainage as interceptors	Deploy silt retarding items such as straw bales to filter flows
Fire	Smoke and pollution	No smoking policy. Maintain tidy site and minimize stockpile of any combustible materials	Follow Fire procedure

3. Maintenance Checklist and maintenance records

RJPH believes in maintaining equipment and facilities to a very high standard regarding maintenance and safety inspections etc. A schedule is maintained in the Main Offices on site along with copies of all maintenance records, periodical inspections etc. for all equipment used on site. An example (snapshot at time of writing) of the records for processing equipment is given below.

Plant No.	Description	Next PUWER	Next LOLER
RJP009	Komatsu Dozer D61PX-12	28/11/2018	n/a
RJP011	Fuel Bowser	n/a	n/a
RJP012	Bomag roller BW6	28/11/2018	n/a
RJP016	Terex Finlay screen 883	24/11/2018	n/a
RJP017	Thwaites 6 tonne Dumper	28/11/2018	n/a
RJP019	Volvo A25 6x6 Dump Truck	28/11/2018	n/a
RJP025	Indico hydraulic breaker	n/a	n/a
RJP036	Doosan DX225LC3 Excavator	n/a	07/09/2018
RJP041	Track stack	28/11/2018	n/a
RJP046	Doosan 145 Excavator	24/04/2019	n/a

Regarding environmental inspections, these will vary during the project as various temporary works are undertaken in order to deliver the scheme. All temporary works are subject to environmental risk assessments. Inspections may be daily, weekly or monthly depending on the relevant risk assessment and records, both digital and hard copy, will be retained in the Main Office.

4. Training Checklist / Records

Under the RJPH internal management system, based on ISO 9001, 14001 and 18001, RJPH has procedures for training staff through individual assessment, allocated courses / training plans and Toolbox Talks etc. Full training records are maintained at the RJPH head office on site but an example of the training matrix relevant to the EMP is given below.

Verification/Certification	External		Internal Verification as Minimum								
	Certificate of Competence	First Aid	A09 Forward Tipping	A31 Ride on Roller	A34 Crawler - Tractor/Dozer	A42 Crusher	A43 Screener	A56 Dump Truck - Articulated Chassis	A59 Excavator above 20 tonnes		
Job											
Site / Quality Manager	X										
Production Team Leader			X	X	X	X	X	X	X		
Senior Operator		X	X	X	X	X	X	X	X		
Operator (1)			X	X	X	X	X	X	X		
Operator (2)			X	X	X	X	X	X	X		

Supplementary to the training matrix, Tool Box talks are given on various environmental related subjects including flora and fauna etc. Records of Tool Box talks given, together with attendees, are kept in the Head Office.

5. Complaints

Under the RJP internal management system, based on ISO 9001, 14001 and 18001, RJP has procedures for staff to follow should there be any complaints from members of the public etc. The procedure is based on Conformance/Non-conformance principles and a copy of the appropriate ISO procedure and example of the relevant form is included below.

Form Reference		Procedure Reference		Issue	Date	Revision Date
Q-12		IMS10		Version 1	September 2016	July 2018

Corrective & Preventive Report		
Category (circle)	NON CONFORMANCE	CONTINUOUS IMPROVEMENT
Part A - PROBLEM What has gone wrong ?		(Completed by Identifier of Problem)
Location		Date:
Description of Problem:		
Identified by:		
Signature:		Importance Rating: Major <input type="checkbox"/> Minor <input type="checkbox"/>
Date:		
Part B - RESPONSE What do we do about it ?		(Completed by Problem Owner)
Underlying Cause Why did it happen ?		
Proposed Actions: (1) How do we correct the problem AND (2) Prevent it happening again ?		
Proposed Actions approved by		
Name:	Signature:	Date:
Part C - ACTIONS & CLOSE OUT Have effective & satisfactory actions been taken ? YES		
(Completed by Problem Owner)		
When you are satisfied that the actions have been completed, sign below		
Signature		Date:

Corrective & Preventive Report RJG | September 2016

6. Accident / Incident Recording Form

Under the RJPH internal management system, based on ISO 9001, 14001 and 18001, RJPH has procedures for staff to follow should there be any accidents /incidents on or off the site. A copy of the appropriate ISO procedure and example of the relevant form is shown below

Accident / Incident Form					RYAN JONES
Form Reference	Procedure Reference	Issue	Date	Revision Date	
WJG-01	WJG-01	Version 4	July 2018	July 2018	
Incident Details					
Incident Date:					
Time of Incident:					
Date Reported:					
Time Reported:					
Location:			Reported By:		
Notification:	<input type="checkbox"/> Internal	<input type="checkbox"/> Client	<input type="checkbox"/> Statutory Authority		
Who was involved & What was each person involved in the incident doing at the time / involvement in incident					
	Personnel Involved	Involvement			
Person 1:					
Person 2:					
Person 3:					
Incident Details					
Type:	<input type="checkbox"/> Injury / Illness	<input type="checkbox"/> Property Damage	<input type="checkbox"/> Environmental		
	<input type="checkbox"/> Community	<input type="checkbox"/> Near Miss	<input type="checkbox"/> System Breach		
Incident Summary:					
Plant Involved:					
Contractor:					
Immediate Actions Taken					

7. Posters and warning signs

As part of the EAP, posters and signs are displayed at various locations to inform staff and any visitors, errant trespassers etc., of the activities, controls and dangers existing around certain areas of site. These signs may be industry recognised standard design or bespoke to the site.

Example perimeter sign, at any potential pathway into processing area



Other signs likely to be observed relate to pictograms for COSHH materials, some of which are shown below, note that these signs were all current as of April 2016.

GHS01 Explosive 	GHS02 Flammable 	GHS03 Oxidising 
GHS04 Gas Under Pressure 	GHS05 Corrosive 	GHS06 Acute Toxic 
GHS07 Harmful / Irritant / Skin sensitiser 	GHS08 Carcinogen / Germ cell mutagen / Reproductive toxin 	GHS09 Hazardous to the aquatic environment 

- Never place Flammable and Oxidising substances together, be that adjacent, above and below or vice versa
- Gases under Pressure to be stored in secure area away from potential ignition sources
- Only authorised persons to access any COSHH substance

8. Closing comments and review procedure for the EAP

Under the RJPH internal management system, based on ISO 9001, 14001 and 18001, this EAP has been produced and issued based on the requirements of legislation, best practice and the RJPH management and procedures system. RJPH have set a maximum review period m for this EAP of three years or in case of any serious incident or change in legislation, whichever is the shorter.