

ALAN'S SKIP HIRE (WALES) LTD

ENVIRONMENTAL RISK ASSESSMENT

**Acceptance of EWC 19 08 01
WREXHAM RECYCLING CENTRE, REDWITHER
ROAD, WREXHAM INDUSTRIAL ESTATE**

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Prepared by:



Oaktree Environmental Ltd

**Oaktree Environmental Ltd - Unit 5, Oasis Park, 19 Road One, Winsford Industrial Estate,
Winsford, Cheshire, CW7 3RY**

Tel: 01606-558833 Fax: 01606-861182 E-mail: sales@oaktree-environmental.co.uk

ENVIRONMENTAL RISK ASSESSMENT MODEL

OPERATOR: Alan's Skip Hire (Wales) Ltd
FACILITY: Wrexham Recycling Centre
SITE LOCATION: Red Wither Road, Wrexham Industrial Estate
ASSESSMENT COMPILED: 10/09/2013

NOTES:

Hazard: A property or situation that in particular circumstances could lead to harm.
Consequences: The adverse effects or harm as the result of realising a hazard which causes the quality of human health or the environment to be impaired in the short or long term.
Risk: A combination of the probability of occurrence of a defined hazard and the magnitude of the consequences of the occurrence

ABBREVIATIONS USED:

Consequences of hazard:

A: MINOR INJURY
B: MAJOR INJURY
C: DEATH
D: AIR POLLUTION
E: WATER POLLUTION
F: POLLUTION OF LAND

Pathways, examples:

Air
Water
Ground
Direct contact

Effect of consequences

S: SEVERE (Management required in all cases)
Mo: MODERATE (Management required in most cases)
Mi: MILD (Management required occasionally)
N: NEGLIGIBLE (Management not required)

Note: Management is the action required to reduce the risk of a hazard causing a problem on site. Contingency measures are procedures which are in place to reduce the consequences of a hazard.

Risk estimation and evaluation - probability/frequency of occurrence of hazard

- 1: High - could occur during any working day
- 2: Medium - could occur regularly - management/contingency required
- 3: Low - event possible - contingency measures/management advisable
- 4: Negligible - event very unlikely - contingency measures/management advisable but not absolutely necessary

Risk assessment outcomes (combination of probability & consequence)
Management i.e. action required to reduce risk is based on the outcome

High, Medium, Low, Near Zero or Zero

No.	Hazard	Consequences	Effect	Probability	Assessment Outcome	Control required	Relevance for Minor Technical Variation- to accept EWC 19 08 01 (Highlighted)
1	ELECTRICAL	A,B,C	S,Mo	3	LOW	Compliance with Electricity at Work Regulations 1989	
2	MINOR FUEL/OIL SPILLAGES	A,E,F	Mo,Mi	1/2	LOW	Spill kit & clearance procedures on site	
3	SPILLAGE - FUEL TANK	A,B,E,F	S, Mo	3	LOW	Bunded fuel tank, locked	
4	CHEMICAL SPILLAGE	A-F	S-N	3	LOW	Emergency procedures	
5	RELEASE OF GASES/VAPOURS	A-D	S-N	3	LOW	Emergency procedures as detailed in EMS	
6	DRUMMED WASTE	A-F	S-N	4	LOW	Emergency procedures	
7	BIOLOGICAL HAZARD	A-C,E,F	S-N	4	MEDIUM	PPE will be worn when handling 19 08 01 wastes	
8	REACTION BETWEEN WASTES	A-F	S-N	4	LOW	Emergency procedures as detailed in EMS. No other waste types will be stored with the 19 08 01 waste, it has its own designated storage bay.	
9	HIGH WINDS	A,D,E,F	Mo-Mi	3	LOW	Cease tipping	
10	POOR VISIBILITY	A-B	Mo-Mi	3	NEAR ZERO	Emergency procedures	
11	PLANT FAILURE	A-C,D-F	Mo	2	MEDIUM	Replace plant, clear spills	
12	OVERTURNED VEHICLE/PLANT	A-F	S	4	LOW	Emergency procedures	
13	BOMB SCARE	A-F	S	4	NEAR ZERO	Emergency procedures	
14	VIBRATION	A-D	Mo	3	NEAR ZERO	N/A	
16	FIRE	A-F	S	3	LOW	Emergency procedures	

No.	Hazard	Consequences	Effect	Probability	Assessment Outcome	Control required	Relevance for Minor Technical Variation- to accept EWC 19 08 01 (Highlighted)
17	NOISE	A,D	Mo	3	LOW	Maintain plant/silencers	
18	DUST - EXTERNAL	A,D,E	Mo-Mi	1	MEDIUM	Dust control equipment/procedures as detailed in the EMS	
19	VERMIN	A	Mo-Mi	2	MEDIUM	Pest control contractor	
20	FIBRE	A,D	Mi	3	LOW	Restrict waste types accepted	
21	FUME	A-D	S-N	3	LOW	Restrict waste types accepted	
22	VAPOURS (CHEMICALS)	A-D	S-N	3	LOW	Restrict waste types accepted	
23	BURIED SERVICES	A-C,D	S-N	4	NEAR ZERO	Cat/Jenny - find services	
24	OVERHEAD SERVICES	A-C	S-N	3	LOW	Observation/health and safety procedures	
25	LANDFILL GAS	A-D	S-N	4	NEAR ZERO	N/A	
26	LEACHATE	A,E,F	Mo	4	LOW	Designated storage bay provided with sealed drainage	
27	NON-ION. RADIATION	A-C	S	4	NEAR ZERO	Outdoor workers - low risk - health and safety issue	
28	IONISING RADIATION	A-C	S	4	NEAR ZERO	No scanning devices used	
29	MUD ON ROADS	A,B,F	S,Mo	2	LOW	Contingency measures	
30	ODOUR	D	Mo	3	MEDIUM	Contingency measures- no treatment undertaken and storage quantities and time of storage limited. Complaints procedure in place. Waste can be stored under temporary cover if required.	

No.	Hazard	Consequences	Effect	Probability	Assessment Outcome	Control required	Relevance for Minor Technical Variation- to accept EWC 19 08 01 (Highlighted)
31	COLLAPSE OF STORED MATERIALS	A-C	S	2	LOW	Restrict storage heights	
32	FALLING MATERIALS	A-C	S	2	LOW	Restrict storage heights	