

BKP Waste & Recycling Ltd

ENVIRONMENTAL RISK ASSESSMENT

Description of Task / Work Activity	Oil Waste Treatment by Centrifuge	Assessment Number:	V1
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Assessed by	D Gallagher	Reviewed and agreed by		Date:	11/03/2021
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Persons exposed to risk:	Staff and Visitors
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What do you do that can harm and what could be harmed			Managing The risk		Assessing the risk	
Hazard	Receptor	Pathway	Risk Management	Probability of Exposure	Consequence	What is the overall risk
Odour release from Sampling	Local Businesses/ Amenities/Housing	Air	Vehicles and containers opened carefully and only open for the duration of the sampling. Preclusion of odorous materials on pre-acceptance.	Unlikely	Odour annoyance for very short duration	Not significant
Odour release from spillage	Local Businesses/ Amenities/Housing	Air	Odorous materials are precluded on pre-acceptance. Spillkits. Spill procedure	Unlikely	Odour annoyance for very short duration	Not significant
Odour release from waste materials produced.	Local Businesses/ Amenities/Housing	Air	Liquid waste streams are stored in closed tanks or packages. Solid material will not contain odour due to the nature of the waste accepted. Any waste for further off-site Transfer is stored under cover in suitable packages. Preclusion of odorous materials on pre-acceptance.	possible	Odour annoyance for very short duration	Not significant
There are no significant sources of noise	Local Businesses/ Amenities/Housing	Air	The Noise levels are below 80db within 5m of centrifuge. There is no noise greater then 80db at the site boundary. All equipment associated with the activity undergoes a daily inspection which is recorded.	Unlikely	Hearing affected	Very Low
There are no significant sources of vibration	Local Businesses/ Amenities/Housing	Staff	Equipment is started with control panels, no vibration risk to staff during operation	Unlikely	Vibration related injuries	None
Release of VOC's from opening containers	Local Businesses/ Amenities/Housing	Air	Nil VOC's, no flammable or volatile organic contamination will be accepted for this treatment.	Unlikely	<i>Detection of VOC odour for short period</i>	Very Low
Release to water through spillage/rupture from containers/failure of machinery	Groundwater	Soil and groundwater	Bunding and concrete hard standing. Spill kit within 5 meters. Spillage procedures. Daily inspections are carried out of bunds, hard standing, perimeter fencing etc. Discharge off site stricly controlled via operating procedures. Equipment is inspected daily and serviced quarterly by approved contractor	Unlikely	Contamination of groundwater	Not significant
Release to water through spillage/rupture from containers/failure of machinery	Sewage works	Sewer	Bunding and concrete hard standing. Spill kit within 5 meters. closed circuit drainage leading to shut off valve. Daily inspections are carried out of bunds, hard standing, perimeter fencing etc. Discharge off site stricly controlled via operating procedures.	Unlikely	Breakdown of sewage works. Contamination of outfall from sewage works.	Not significant

There are no waste streams that are a source of food that will attract vermin or birds.	Local Businesses/ Amenities/Housing	Soil and groundwater	Site is serviced by pest control contractor	Unlikely	Vermin population, spread of disease	None
There are no waste streams that will result in the release of litter or mud	Local Businesses/ Amenities/Housing	Soil and groundwater	Housekeeping included on daily checks, Road sweeper used at a minimum of weekly to sweep the area	Unlikely	Local annoyance, mud tracked onto public highways	None
Fire in Area	Sewage Works/surrounding businesses/pedestrains	Sewer/Air	Rigorous fire precautions and procedures. Fire detection and 24 hour monitoring contractor. Bunding, concrete surface, Fire detection and external monitoring contractor. Isolation valves to prevent access to sewer. Daily maintenance checks. Routine Maintenance.	Unlikely	Loss of business, annoyance of local business. Risk to local businesses, local environment. Harm to humans, health effects to humans	Low

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