

BKP Waste & Recycling Ltd

ENVIRONMENTAL RISK ASSESSMENT

Description of Task / Work Activity	Container Washing	Assessment Number:	V1
--	-------------------	---------------------------	----

Assessed by	D Gallagher	Reviewed and agreed by		Date:	11/03/2021
-------------	-------------	------------------------	--	-------	------------

Persons exposed to risk:	Staff and Visitors
--------------------------	--------------------

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 opening containers	Local Businesses/ Amenities/Housing	Air	Containers opened carefully. Containers re-sealed immediately on detection of odour. 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. Vessels contain <1% residues. spillkits. Spill procedure	Unlikely	Odour annoyance for very short duration	Not significant
Odour release from waste materials produced.	Local Businesses/ Amenities/Housing	Air	Solution has a slightly sweet odour and is stored within closed tank. Odour is monitored and recorded on daily audit. 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 5metres of the drum washing quipment or wet granulator. There is no noise greater then 80db at the site boundary. All equipment associated with the container washing activity undergoes a daily inspection which is recorded. There is a quarterly service performed by the manufacturer of wet granulator or washing equipment (this may be conducted by an approved contractor or trained person). A Container Washing will take place during business hours only.	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 washed.	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. drum washer located within warehouse. Spill kit within 5 meters. Spillage procedures. Daily inspections are carried out of bunds, hard standing, perimeter fencing etc.	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. Vessels contain <1% residues. Daily inspections are carried out of bunds, hard standing, perimeter fencing etc.	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 drum washer/Shredder	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. quarterly servicing.	Unlikely	Loss of business, annoyance of local business. Risk to local businesses, local environment. Harm to humans, health effects to humans	Low
Fire caused by storage of contaminated drums	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. Pre acceptance, waste acceptance and storage procedures. Isolation valves and discharge procedures to prevent access to sewer.	Unlikely	Loss of business, annoyance of local business. Risk to local businesses, local environment. Harm to humans, health effects to humans	Very Low

11/03/2021	Created