

South Molton Wet Waste Bays – Environmental Risk Assessment

Rev	Date	Prepared by	Checked by	Approved by	Description
00	10/09/2020	Matthew Palmer	Oliver Beech	Gary Williams	Risk assessment draft (EA template)
01					
02					
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Hazard	Receptor	Pathway	Risk Management Techniques	Probability of Exposure	Consequence	Overall Risk
Odour	Nearby industrial / commercial premises Operatives	Air	Once sufficiently dewatered, solid wastes removed from site before odours from degradation occurs. Gully waste in the bays will be rotated to reduce odour potential. Solid waste to be stored 1m below top of bay wall to provide shielding from wind and odours spreading. Operatives will be provided with the correct PPE.	Low – Extreme weather conditions (e.g. prolonged dry weather and / or excessive wind) will increase likelihood of odours impacting nearby receptors	Complaints	Low
Noise from loading / unloading operations	Nearby industrial / commercial premises Operatives	Site is close enough for noise to be audible	Wet waste bays operation limited to regular work hours, unless attending emergency works. Waste will not be dropped from height during solid waste loading and unloading. Operatives will be provided with the correct PPE.	Low	Complaints Health issues if exposed to prolonged noise.	Low
Noise from vehicles	Nearby industrial / commercial premises Operatives	Site is close enough for noise to be audible	Wet waste bays operation limited to regular work hours, unless attending emergency works. 5mph speed limit and “no idling” policy imposed within depot to minimise noise / emissions. Any vehicle movements will be scheduled to minimise duration of vehicle on site and prevent any backlog. Operatives will be provided with the correct PPE.	Low	Complaints Health issues if exposed to prolonged noise.	Low

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Dust from depot surface	Nearby industrial / commercial premises Operatives	Windblown dust	Ongoing visual dust monitoring around the wet waste bays / depot perimeter. Vehicles will use wheel wash to minimise tracking mud / debris / dust in and out of depot. Regular sweeping of depot. Operatives will be provided with the correct PPE.	Low – Extreme weather conditions (e.g. prolonged dry weather and / or excessive wind) will increase likelihood of airborne dust impacting nearby receptors	Nuisance - dust on road, cars, clothing etc. Health issues in inhaled.	Low
Dust / debris from dewatering and storage of solid waste	Nearby industrial / commercial premises Operatives	Windblown dust Direct contact by operatives	Ongoing visual dust monitoring around the wet waste bays / depot perimeter. Solid waste to be stored 1m below top of bay wall to provide shielding from wind. Dust suppression equipment available at all times. Regular sweeping of depot. Operatives will be provided with the correct PPE.	Low – Extreme weather conditions (e.g. prolonged dry weather and / or excessive wind) will increase likelihood of airborne dust impacting nearby receptors	Nuisance - dust on road, cars, clothing etc. Health issues in inhaled.	Low
Hazardous Waste	Operatives	Land Direct contact by operatives	Operatives instructed to leave any contaminated gully wastes in-situ for collection and disposal, so it is not transported to depot. If any contaminated liquid waste is identified, it will be contained by the penstock and pumped into a quarantined IBC for correct disposal as hazardous waste. Any contaminated solid waste will be sampled and isolated in an empty waste bay for correct disposal as hazardous waste.	Medium	Breach Duty of Care requirements Health issues in contacted / inhaled.	Medium
Discharge contaminated wastewater to foul sewer	Foul sewer	Foul sewer	Any contaminated liquid waste will be contained by the penstock and pumped into a quarantined IBC for correct disposal as hazardous waste. Wastewater passed through an oil interceptor to remove any oil residues before discharged into foul sewer.	Medium	Water pollution	Medium
Waste spillages accesses surface water / drains	Surface Water River Mole	Surface water runoff	Any spillages of gully waste during decanting or runoff from dust suppression will be contained and cleaned up using spill kits / elcef fibre bags. Any	Low	Water pollution	Medium

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			dust suppression will use fine mists / sprays to minimise water use. Wet waste bays are sloped towards the back channel to prevent any wastewater escaping.			
Waste spillages accesses groundwater	Aquifer	Surface water runoff / infiltration	Any spillages of gully waste during decanting or runoff from dust suppression will be contained and cleaned up using spill kits / elecef fibre bags. Hardstanding surfaces surrounding the wet waste bay are impermeable hardstanding – mostly tarmac.	Low	Contamination of aquifer	Medium
Pests	Nearby industrial / commercial premises Operatives	Land Direct contact by operatives	Clear the bays regularly and ensure regular inspections and keep housekeeping is to high standard	Low	Health issues	Low
Plant or equipment failure	Surface Water Aquifer	Surface water runoff / infiltration	All plant is serviced and maintained as part of a maintenance plan. Any oil / diesel spillages will be contained and cleaned using spill kits and disposed as hazardous waste.	Medium	Water pollution / contamination of aquifer	Low
Vandalism causing pollution	Surface Water Aquifer Operatives	Surface water runoff / infiltration Direct contact by operatives	Depot surrounded by security fence and gate. Gully truck parked in front of the wet waste bays during non-operational hours to prevent any unauthorised waste dumping.	Low	Water pollution / contamination of aquifer Health issues	Low