Data and information				Judgement				Action (by permitting)	
Receptor	**Source**	**Harm**	**Pathway**	**Probability of exposure**	**Consequence**	**Magnitude of risk**	**Justification for magnitude**	**Risk management**	**Residual risk**
What is at risk? What do I wish to protect?	**What is the agent or process with potential to cause harm?**	**What are the harmful consequences if things go wrong?**	**How might the receptor come into contact with the source?**	**How likely is this contact?**	**How severe will the consequences be if this occurs?**	**What is the overall magnitude of the risk?**	**On what did I base my judgement?**	**How can I best manage the risk to reduce the magnitude?**	**What is the magnitude of the risk after management? (This residual risk will be controlled by Compliance Assessment).**
Local human population and local environment.	Flooding of site.	If waste is washed off site it may contaminate buildings / gardens / natural habitats downstream.	Flood waters.	Low	Medium	**Medium**	Oils are potentially polluting but stored with secondary and tertiary containment	Management system required to identify and minimise risks including those from accidents.	Low
Local human population and local environment.	Accidental fire causing the release of polluting materials to water or land.	Pollution of water or land.	Fire water run off	Low	Medium	**Medium**	Oils have high flashpoint ~150 C and stored in sealed containers but would release noxious fumes and smoke if ignited.	Management system required to identify and minimise risks from operations - to include fire.	Low
All surface waters close to and downstream of site.	Spillage of liquids, contaminated rainwater run-off.	Acute effects; oxygen depletion, fish kill and algal blooms.	Direct run-off from site across ground surface, via surface water drains, ditches etc.	Medium	Medium	**Medium**	Oils could be spilled during transfer/bulking operations leading to direct contmaination of surface waters but these would be contained.	All areas of the site used for storage of oil in tanks or vessels shall be provided with an impermeable surface and bunding. No point source emissions to water. Require emissions management plan if activities give rise to pollution.	Low
Groundwater	As above	Chronic effects: contamination of groundwater, requiring treatment of water or closure of borehole.	Transport through soil/groundwater then extraction at borehole.	Medium	High	**Medium**	Oils could be spilled during transfer/bulking operations leading to direct contmaination of surface waters but these would be contained.	The activities are outside a groundwater source protection zone 1, or if a source protection zone has not been defined then more than 50 metres from any well, spring or borehole used for the supply of water for human consumption, including private water supplies. Other conditions as above.	Low
Local human population.	Contaminated waters used for recreational purposes.	Harm to human health - skin damage or gastro-intestinal illness.	Direct contact or ingestion.	Medium	Medium	**Medium**	Unlikely to occur, but might restrict recreational use.	Emissions of substances not controlled by emission limits.	Low