

Appendix 12c: Source, Pathway, Receptor, Mitigation.

Source of pollution	Receptor	Pathway	Mitigation
Failure in containment of hazardous material on site	Ground/groundwater/surface water/sea/local wildlife	Over surfaces	• Limit the amount of hazardous material on site. • All fuel sources to be located in containers and in hardstanding areas (concrete hardstanding). • Storage tanks to be inspected on a regular basis to identify defects. • Secondary containment providing adequate storage for primary containment to be provided.
Spillages as a result of refuelling, faulty machinery etc	Ground/groundwater/surface water/sea/local wildlife	Over surfaces	• All fuel sources to be located in containers and in hardstanding areas (concrete hardstanding). • Spill kits to be provided on site at all times. • Contractor to establish formal refuelling procedures.
Potential flooding to impact equipment on site.	Ground/groundwater/surface water/sea/local wildlife	Over surfaces	• Contractor to monitor and assess the weather and tidal as part of routine. • Limit the amount of hazardous material on site. • All fuel sources to be located in containers and in hardstanding areas (concrete hardstanding).
Ground slippage to impact on equipment on site.	Ground/groundwater/surface water/sea/local wildlife/site operatives	Over surfaces	• Contractor to monitor and assess the weather as part of routine. • Limit the amount of hazardous material on site. • All fuel sources to be located in containers and in hardstanding areas (concrete hardstanding).
Fire risk and arson attack	General public/ site operatives/local wildlife	Over surfaces/air/dry vegetation	• Site security to include perimeter fencing, secure gates. • Consideration given to CCTV • Containers, machinery, fuel sources to remain locked. • Generators to have fire detection systems.
Accidents and vandalism	Ground/groundwater/surface water/sea/local wildlife/site operatives	Over surfaces/air	• Site security to include perimeter fencing, secure gates. • Consideration given to CCTV • Containers, machinery, fuel sources to remain locked.

The following Designate Features have been identified to potentially be within 2km of the proposed site. The features have been identified and noted within the Core Management Plan for Y Fenai a Bae Conwy SAC.

Y Fenai a Bae Conwy (SAC) – located at mean low water

SAC feature

- Mudflats and sandflats not covered by water at low tide
- Reefs
- Sandbanks which are slightly covered by seawater all the time
- Large shallow inlets and bays
- Submerged or partially submerged sea caves