

EPS FUEL STORAGE DECISION MATRIX TOOL

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The EPS Fuel Storage Decision Matrix is intended as a useful feasibility guide. The nature of any proposed new or refurbishment / upgrade scheme within a potentially environmentally sensitive area should be determined through a Fuel Storage Feasibility Assessment and discussion with the Environment Agency.

Environmental Sensitivity Scenario	Examples of Site Specific Characteristics beyond vulnerability mapping (examples of mitigating factors)	Typical Fuel Storage Installation			
		Tanks	Lines	Drainage	EMS
1	<ul style="list-style-type: none"> Not within SPZ1 Site specific ground conditions do not support Vulnerability Status of aquifer designation Limited saturated thickness (typically less than 1.0m) Baseflow contribution to local surface water features found to be limited 	Standard Double Skin Tank Installation with interstitial monitoring	Plastic Lines	Non-Specific (unless potential for differential settlement)	Standard
2	<ul style="list-style-type: none"> Secondary aquifer with seasonally high groundwater above tank base, but limited environmental sensitivity (e.g. on basis of site specific ground conditions, resource potential, proximity / connectivity to surface water) 	Concrete Encasement around double skin tanks with interstitial monitoring	Plastic Lines	Plastic Pipes	Standard
	<ul style="list-style-type: none"> Principal aquifer / high environmental sensitivity, but seasonally high groundwater below proposed tank base 				Enhanced Context Specific EMS
3	a	Double Skin Tanks with interstitial monitoring, within robust Membrane Lined Cell with monitor wells.	Plastic Lines	Plastic Pipes	Standard
	b		Double Skin Plastic		Enhanced Context Specific EMS
4	<ul style="list-style-type: none"> Principal Aquifer with laterally continuous groundwater above tank base or in SPZ1 	Above Ground Tanks	Double Skin Plastic	Plastic Pipes	Enhanced Context Specific EMS

Please Note: The above matrix has been produced by EPS with the intention that it can represent a high level guide at feasibility stage to both Industry and the Environment Agency. Please feel free to use and reproduce this document. Any updated versions will be made available on our website: www.epstrategies.co.uk Or if we can help, then give us a call us on **01954 710666**. Key Contacts: Will Evans or Marcus Bell.