

## APPENDIX 5 – CONCEPTUAL SITE MODEL CHECKLIST

REPORT SECTION	REQUIRED INFORMATION	PRESENT? (YES/NO /NA)	COMMENTS (ACTIONS, REQUESTS, RED FLAGS)
<b>All reports and all stages of reporting</b>	Regional and local geology, hydrogeology and hydrology items from the 'CSM' tab of the <i>ASC NEPM Field Checklist</i>		
	List of potential contaminants of concern		
	Potential and known sources of contamination, onsite and offsite		
	Mechanism of contamination (for example, top-down spill, subsurface release from tank or pipe, atmospheric, or deposition)		
	Potentially affected environmental media		
	Consideration of spatial and temporal variations (for example, weather)		
	Actual or potential exposure pathways. Consideration of preferential pathways for contaminant migration		
	Human and ecological receptors		
	Frequency of exposure		
	Linkage of source, pathway and receptor, assessed in terms of potentially complete pathways and likelihood		
	Discussion of multiple lines of evidence (for complex sites)		
<b>Other sections</b>	Previous site investigations, contaminant characteristics, meteorological data, data gap identification, sources of variability and other CSM items from the 'CSM' tab of the <i>ASC NEPM Field Checklist</i>		

**Note:** A conceptual site model should be continually updated as more information and data are gained through site investigations and remediation.

**Source:** NSW Environmental Protection Authority. (2020). *Consultants reporting on contaminated land: Contaminated land guidelines*; National Environment Protection Council. (November 2010). *ASC NEPM field checklist* [spreadsheet]; NSW Environmental Protection Authority. (2017). *Contaminated land management: Guidelines for the NSW site auditor scheme (3rd ed.)*.