

# Appendix F Remedial Action Plan (RAP) Worksheet

Read more about the requirements for the Remedial Action Plan in section 11.2.

**Table 18.8: RAP Contents**

General Information				
Company:				
Company Contact:				
REM Number:				
Consultant (if applicable):				
RAP Contents	Included		Description	Notes
	Yes	No		
<b>Background</b>				
Detailed Map or Maps	<input type="checkbox"/>	<input type="checkbox"/>	<p>A detailed map or maps that clearly identify the contaminant source location, affected surface and subsurface areas, and all sample locations, including groundwater sampling and drinking water wells.</p> <p>A map should also show the location of nearby Receptors relative to the source, and affected media with distances and GPS coordinates clearly marked.</p>	
Conceptual Site Model	<input type="checkbox"/>	<input type="checkbox"/>	A graphical and/or written representation of the physical, chemical and biological processes that control the transport and migration of Contamination and potential impacts to human and/or ecological Receptors.	
ESA Results	<input type="checkbox"/>	<input type="checkbox"/>	A summary of the data collected during ESA Site Characterization and Delineation investigations, including complete surface and subsurface site characterization and contaminant characterization.	
Contaminants of Concern	<input type="checkbox"/>	<input type="checkbox"/>	The preferred format is tabular, clearly identifying the contaminant and supporting rationale.	
<b>Remediation Criteria</b>				
Remediation Criteria	<input type="checkbox"/>	<input type="checkbox"/>	Clearly identify the generic Remediation Criteria considered for each contaminant of concern, the regulation/guidance the criteria came from, and which criterion was selected. The selected criterion for each contaminant of concern should be clearly presented in tabular form. Remediation Criteria may also include Site-Specific Remediation Objectives.	
Rationale for criteria selection	<input type="checkbox"/>	<input type="checkbox"/>	Describe the specific rationale for the selected generic Remediation Criteria. If Site-Specific Remediation Objectives have been developed, attach the supporting information as an appendix to the RAP.	

**Table 18.8: RAP Contents (cont.)**

RAP Contents	Included		Description	Notes
	Yes	No		
<b>Methodology</b>				
Detailed description of remedial method(s) selected	<input type="checkbox"/>	<input type="checkbox"/>	This should include consideration of physical/chemical limitations, degradation rates (if applicable), environmental as well as health and safety implications, regulatory approvals, and interests of potentially affected persons and communities.	
Sampling details	<input type="checkbox"/>	<input type="checkbox"/>	Details of sampling and analyses to be performed pre and post Remediation, and quality assurance and quality control measures to be implemented.	
Contingency plans and performance measures	<input type="checkbox"/>	<input type="checkbox"/>	Contingency plans to mitigate potential Adverse Effects to Receptors such as humans, aquatic life, livestock, vegetation and wildlife. Performance measures to assess if remedial success has been achieved should also be included.	
Timeline	<input type="checkbox"/>	<input type="checkbox"/>	A detailed timeline for implementation of the RAP. The rationale for the timeline should be included (e.g., timeline is based upon Remediation rates or the volume of Contamination to be remediated).	
Remedial Options Analysis	<input type="checkbox"/>	<input type="checkbox"/>	Include the environmental impacts, such as air emissions and the overall carbon footprint or net ecological impacts, of the options being presented. Clearly state the rationale for selecting the preferred option.	
<b>Post-Remediation</b>				
Long term monitoring plans	<input type="checkbox"/>	<input type="checkbox"/>	Any proposed long term monitoring program including details and timing of sampling, analysis, review and reporting to be performed along with a rationale.	
Slope stability and erosion control plans	<input type="checkbox"/>	<input type="checkbox"/>	Slope stability and erosion control plans, where required.	
Plans for Reclamation activities with goals clearly stated	<input type="checkbox"/>	<input type="checkbox"/>	Reclamation plans may be required to return the site to a productive or natural state. It may not be possible to include Reclamation results in the Closure Report, since several growing seasons are often required to stabilize the site. In situations where Reclamation is not yet complete at the time of Closure Report submission, the CER will follow up on Reclamation results outside of the Remediation process. Reclamation plans must have the goals of Reclamation and measures for evaluating the goals, along with timelines, clearly stated in the plan.	

**Table 18.8: RAP Contents (cont.)**

RAP Contents	Included		Description	Notes
	Yes	No		
<b>Engagement</b>				
Record of engagement with potentially affected persons	<input type="checkbox"/>	<input type="checkbox"/>	<p>A summary of the comments and concerns expressed by potentially affected persons or groups;</p> <p>A summary of the response made regarding each of the concerns or comments, including:</p> <ul style="list-style-type: none"> <li>• the measures taken, or that will be taken to address those concerns or an explanation of why no further action is required to address the concerns or comments</li> <li>• the methods and dates that the response was made to the person(s) who raised the concern(s)</li> <li>• how outstanding concerns will be addressed</li> </ul>	
Record of any engagement with other regulators	<input type="checkbox"/>	<input type="checkbox"/>	Include a record of notifying and engaging with other regulators about Contamination, and the plan for Remediation. Include name and email or telephone number of contact, as well as a brief summary of the interactions.	
Summary of concerns and mitigative actions	<input type="checkbox"/>	<input type="checkbox"/>	Summarize any concerns raised and the company's efforts to address them.	
Concordance Table	<input type="checkbox"/>	<input type="checkbox"/>	The Concordance Table included in the RAP should direct the reader to an easily accessible location within the report that includes information regarding Remediation Criteria and results. An example of information to include in the concordance table is found in Appendix B.	