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Spring 5-13-2021

RD Submittal Review Crosswalk

Atlantic Richfield Company

Pioneer Technical Services, Inc.

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RD Submittal Review Crosswalk

Draft Final Preliminary 30% Remedial Design Report for the Butte Reduction Works (BRW) Smelter Area

Submitting Entity	Atlantic Richfield
Submittal Preparer	Pioneer Technical Services, Inc.
Date Submitted for Review	5/13/2021
EPA Project Manager	Nikia Greene - phone #: 406-457-5019
Program Reviewer or Approving Official	Nikia Greene
Date of Review	
Summary of Comments:	

Submittal Documents	Acceptable (Yes/No/NA)	Comments
1. Remedial Design Work Plan		
2. Pre-Design Investigation Work Plan		
3. Pre-Design Investigation Evaluation Report		Summarizes and evaluates the results of the Phase I Site Investigation activities.
4. Preliminary 30% Remedial Design Report		
5. Preliminary 30% Construction Drawings		
6. Remedial Design Schedule		
7. Remedial Design Submittal Crosswalk		

RDRA Handbook Element	Acceptable (Yes/No/NA)	Document/Section	Comments
Pre-Design Submittal - Section 4.7.2 of the RDRA Handbook			
Site Management Plan		NA	Since site is in urban area and a SSHASP has been established for field data collection, no plan to submit for field data activities, but will have fencing and staging plans with construction plans.
HASP		Construction HASP to be included with RAWP	Pre-existing SSHASP cover pre-design investigation field work.
FSP/SAP/QAPP		Phase I QAPP, Phase II QAPP and Phase III QAPP along with associated RFCs. Document details, including approval dates, are included in the Remedial Design Work Plan.	
Contingency Plan		NA	To be included with HASP.
Treatability Studies - Section 4.7.3 of the RDRA Handbook		TBD - Remedial Design Work Plan; Section 2.3	If management of organic pollutants requires treatment, a study will be conducted to evaluate the effectiveness of the treatment options.
Preliminary (30%) Design - Section 4.7.4 of the RDRA Handbook			
Design Criteria Report		Design Report; Section 5	Design Criteria and Design Basis combined into single Remedial Design Report.
Project Description		Design Report; Section 5 and Section 6	
Waste Characterization		Pre-Design Investigation Evaluation Report	
Design Requirements		Design Report; Sections 5.1 through 5.4	
Preliminary Process Flow Diagrams		To be submitted with 60% submittal.	
O&M Provisions		Design Report; Sections 5 and 6	
Basis of Design Report		Design Report; Section 6	
Design Assumptions		Design Report; Section 5.5	
Permits Plan		Design Report; Section 3	
Preliminary Easements/Access Requirements		Design Report; Section 8	
Preliminary Piping and Instrumentations Diagrams		To be submitted with 60% submittal.	
RA Contracting Strategies		To be included with Remedial Action Work Plan.	
Preliminary Drawings		30% Construction Drawings	
Preliminary Specifications		To be included with Remedial Action Work Plan.	
O&M Requirements		To be included with Remedial Action Work Plan.	
Chemical & Geotechnical Data		Pre-Design Investigation Evaluation Report	
Results of Value Engineering (VE) Screen		Included with 2016 BMP Evaluation Report.	
Preliminary RA Schedule		Schedule attached.	
Preliminary RA & O&M Cost Estimates		Financial Assurance documentation provided with CD documents.	