



May 2, 2016

Mr. Chris Yde, Supervisor
Coal and Uranium Program
Industrial and Energy Minerals Bureau
Montana Department of Environmental Quality
PO Box 200901
Helena, MT 59620-0901

Permit ID: C1979012
Revision Type: Amendment
Permitting Action: Application
Subject: APPAM5, Arrowhead Amendment:
Response to Round 1 Completeness Deficiency

Dear Chris:

Spring Creek (SCM) is hereby submitting responses to the Round 1 Completeness Deficiencies of the Arrowhead Amendment (AHA) application dated 03/29/2016. The attachment to this letter lists each deficiency with SCM's response.

Additionally, while addressing the deficiencies itemized in your letter, SCM identified other potential deficiencies and addressed them in the attachment after the MDEQ deficiencies.

If you have any questions or comments, please contact me at (406) 757-4236 or via email at gabriel.johnson@cldpk.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "Gabe Johnson".

Gabe Johnson
Environment Engineer
Cloud Peak Energy, Spring Creek Mine

Round/ Deficiency	Permit Section	Comment	ePermit location	Page	Response
05/02/2016 Response to 1st Round Completeness Deficiencies dated 03/29/2016					
1stRndComp.	ARM 17.24.302(1)	Please complete the new application form as required by DEQ. It can be found at http://deq.mt.gov/CoalUranium/guidelines.mcp .	Admin/Application	All Pages	New form Used
			Admin/MineSiteInformation	N/A	Web Form updated to reflect total SCM acreage as if the Arrowhead Amendment has been approved
1stRndComp.	ARM 17.24.302(1)	Please submit the CAD files used to create the following maps: Geological Information: ApxN_PlateN-1_GeoXS_LocMap_20151001_APPAM5.pdf thru ApxN_PlateN-10_OB_Quality_20151001_APPAM5.pdf Vegetation Survey: ApxB4_PlateB4-1_Veg_20151001_APPAM5.pdf and ApxB4_PlateB4-2_EcoLandUse_20151001_APPAM5.pdf Soil Survey: ApxA3_PlateA3-1_BaseSoil_20151001_APPAM5.pdf and ApxA3_PlateA3-2_SoilSalvage_20151001_APPAM5.pdf Ponds and Embankments: AppK_Exhibit 1_1_20151001_APPAM5.pdf thru ApxK_Exhibit 2_2_20151001_APPAM5.pdf ApxKa_Pond_73.pdf thru ApxKa_Pond_80.pdf Diversions: ApxKa_YC_Diversion_Design_20151001_APPAM5.pdf Reclamation Plan: 313_AddmD_Plate5_Pre-PostMineSlope_AHA_20151001_APPAM5.pdf and 313_AddmD_Plate6_Pre-PostSteepSlope_AHA_20151001_APPAM5.pdf Fish and Wildlife Plan: 312_Fig312_CPE83_20151001_APPAM5.pdf Plan for the Protection of the Hydrologic Balance: 314A_MQAP_Map1_20151001_APPAM5.pdf 314A_MQAP_Map2_20160502_APPAM5.pdf Apx_L2B_AHA_ARI_Exhibit1_20151001_APPAM5.pdf ApxL_PHC_Figures_20151001_APPAM5.pdf (21 CAD figures in 1 pdf document) ApxL_PHC_Plates_20151001_APPAM5.pdf	Map Summary/Maps	N/A	DWG files loaded
			Map Summary/Maps	N/A	DWG files loaded
			Map Summary/Maps	N/A	DWG files loaded
			Map Summary/Maps	N/A	DWG files loaded
			Map Summary/Maps	N/A	DWG files loaded
			Map Summary/Maps	N/A	DWG files loaded
			Map Summary/Maps	N/A	DWG files loaded
			Map Summary/Maps	N/A	DWG files loaded
			Map Summary/Maps	N/A	DWG file loaded
			Map Summary/Maps	N/A	DWG files loaded
			Map Summary/Maps	N/A	Shape files and associated images loaded
			Map Summary/Maps	N/A	DWG file loaded
1stRndComp.	ARM 17.24.303(1)(x)	Please provide the proposed notice for this application with the proof of publication to follow.	Admin/Proof of Publication	1	New notice provided
1stRndComp.	ARM 17.24.304(1)(f)(i)	There is no "graphic account" of the nearby wells and springs listed in Attachment I Vol. 5-8 as required by ARM 17.24.304(1)(f)(i)(C). Please include a map showing the locations of these wells and springs.	DWG -Map Summary/Maps PDF - Baseline/Hydrologic Baseline/Hydrologic	N/A	1) New map provided ApxIV5_ ExhibitIV5-4_ 20160502_APPAM5 (PDF and DWG files)
			Baseline/Hydrologic	Footers, ppg 2	2) Narrative in 304.1.e-f_Hydrologic_20160502_APPAM5 was changed to reference the new Exhibit
			Baseline/Hydrologic	All Pages	3) Attachment "ApxIV5_AttachIV5-8_20160502_APPAM5" reflects the new Exhibit
			Baseline/Hydrologic	Footers, ppg iv & 35	4) Text added referencing the new exhibit to "ApxIV5_SW_GW_HydroBase_20160502_APPAM5"
1stRndComp.	ARM 17.24.313(1)(f)(i)	No detailed channel designs were submitted for Little Youngs Creek, Youngs Creek, Dry Creek, or Squirrel Creek. Please submit detailed designs for the portions of these streams which will be reconstructed during reclamation.	DWG -Map Summary/Maps PDF - Reclamation/Reclamation Plan	N/A	Channel designs provided: (PDF and DWG files) • 313_ReclaimDesign_SQC_20160502_APPAM5 • 313_ReclaimDesign_DC_20160502_APPAM5 • 313_ReclaimDesign_YC_20160502_APPAM5 • 313_ReclaimDesign_LYC_20160502_APPAM5
			Section 313(1)(f) apx doc pg 19		The narrative in "313_RecPlan_20151001_APPAM5" has been changed to reference the new design drawings.
					Map Affidavit for Owen Lindblom reloaded containing the Reclaimed Channel Designs
					The map affidavit for Eric Detmer was inadvertently removed. The same file (with no changes) was reloaded with same name.

Round/ Deficiency	Permit Section	Comment	ePermit location	Page	Response	
Additional files uploaded not associated with 1st Round Completeness Deficiencies:						
1stRndComp.	ARM 17.24.301(1)(t)	Insurance	Certificate of Liability	Admin/Insurance	N/A Updated statement of location of certificate	
1stRndComp.	ARM 17.24.304(1)(b)	Cultural	ApxG6.2_Arche_(AHA-T8S.R39E.S27-GCM40ac)_20151001_APPAM5.pdf	Baseline/Cultural Resources	N/A File inadvertently missed in original submittal	
			ApxG6.3_Arche_(AHA-T9S.R39E.S16-State)_20151001_APPAM5.pdf	Baseline/Cultural Resources	N/A File improperly named in original submittal	
			ApxG6.3_SHPO_Concur_20141114_(AHA-T9S.R39E.S16-State)_20151001_APPAM5.	Baseline/Cultural Resources	N/A File improperly named in original submittal	
1stRndComp.	ARM 17.24.304(1)(c) & (d)	Significant & Special	304.1.c-d_SigSpecial_Fig304A_CPE83_20151001_APPAM5.dwg	Map Summary/Maps	N/A File inadvertently missed in original submittal	
1stRndComp.	ARM 17.24.304(1)(f)	Hydrology	ApxIV5_ExhibitIV5-1_20151001_APPAM5.dwg	Baseline/Hydrologic	N/A File inadvertently missed in original submittal	
			ApxIV5_ExhibitIV5-2_20151001_APPAM5.dwg	Baseline/Hydrologic	File inadvertently missed in original submittal	
			ApxIV5_ExhibitIV5-3_20151001_APPAM5.dwg	Baseline/Hydrologic	File inadvertently missed in original submittal	
			ApxIV5_ExhibitIV5-2_Image01-07.zip	Baseline/Hydrologic	Background images provided for DWG files	
			ApxIV5_ExhibitIV5-2_Image08-14.zip	Baseline/Hydrologic	Background images provided for DWG files	
			ApxIV5_ExhibitIV5-2_Image14-21.zip	Baseline/Hydrologic	Background images provided for DWG files	
			ApxIV5_ExhibitIV5-4_Image01-07.zip	Baseline/Hydrologic	Background images provided for DWG files	
			ApxIV5_ExhibitIV5-4_Image08-14.zip	Baseline/Hydrologic	Background images provided for DWG files	
			ApxIV5_ExhibitIV5-4_Image15-21.zip	Baseline/Hydrologic	Background images provided for DWG files	
1stRndComp.	ARM 17.24.325	AVF: Attachments	Attachment_O4-3_CIR_Dry_Creek_2009_20151001_APPAM5.dwg	Baseline/Alluvial Valley Floors	N/A File inadvertently missed in original submittal	
			Attachment_O4-3_CIR_Dry_Creek_2013_20151001_APPAM5.dwg	Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal	
			Attachment_O4-3_CIR_Little_Youngs_Creek_2009_20151001_APPAM5.dwg	Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal	
			Attachment_O4-3_CIR_Little_Youngs_Creek_2013_20151001_APPAM5.dwg	Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal	
			Attachment_O4-3_CIR_Squirrel_Creek_2009_20151001_APPAM5.dwg	Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal	
			Attachment_O4-3_CIR_Squirrel_Creek_2013_20151001_APPAM5.dwg	Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal	
			Attachment_O4-3_CIR_Youngs_Creek_2009_20151001_APPAM5.dwg	Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal	
			Attachment_O4-3_CIR_Youngs_Creek_2013_20151001_APPAM5.dwg	Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal	
			Attach_O4_2013_CIR_DC_LYC_SQC_YC.zip	Baseline/Alluvial Valley Floors	Background images provided for DWG files	
			Attach_O4_2009_CIR_DC_LYC_SQC_YC.zip	Baseline/Alluvial Valley Floors	Background images provided for DWG files	
			Drawing Files	Exhibit_O4-5.0_Ag_Land_Types_20151001_APPAM5.dwg	Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal
				Exhibit_O4-1.0-O4-4.0_Unconsolidated_Deposits_20151001_APPAM5.dwg	Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal
				Exhibit_O4-1.1-O4-4.1_Irrigated_Land_20151001_APPAM5.dwg	Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal
		Exhibit_O4-1.2-O4-4.2_Vegetation_20151001_APPAM5.dwg		Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal	
		Exhibit_O4-1.3-O4-4.3_Soils_20151001_APPAM5.dwg		Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal	
		Exhibit_O4-1.4-O4-4.4_Subirrigation_20151001_APPAM5.dwg		Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal	
		Exhibit_O4-6.0_Stream_Profiles_20151001_APPAM5.dwg		Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal	
		Figures	ApxO4_ExhibitO4-1.4-O4-4.4_2011_CIR_DC_SQC_YC.zip	Baseline/Alluvial Valley Floors	Background images provided for DWG files	
			Figure_O4-1_Index_20151001_APPAM5.dwg	Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal	
			Figure_O4-2_Mean_Daily_Stream_Flow_20151001_APPAM5.xlsx	Baseline/Alluvial Valley Floors	Original spreadsheet provided as source for PDF	
1stRndComp.	Reclamation Plan	MQAP	PreApplication_AVF_Determination_Request_20151001_APPAM5	Baseline/Alluvial Valley Floors	File inadvertently missed in original submittal	
			314A_MQAP_Map2_20160502_APPAM5.pdf	Reclamation/ (PHC)	N/A Wrong file loaded in original submittal	
		Soil Salvage	313_Fig313B_SoilsSalvage_20151001_APPAM5.dwg	Map Summary/Maps	N/A File inadvertently missed in original submittal	