

Coal Mine Valley Camp of Utah, Inc. Mine Plan Date \_\_\_\_\_ Date Received #3  
 Current Resource Recovery and Protection Plan Approval Date \_\_\_\_\_

Valley Camp Submittal

Regulation	Separate Items	Volume	Page	State Section	211 Section
(1) Names, addresses, and telephone numbers of persons responsible for operations to be conducted under the approved plan to whom notices and orders are to be delivered; names and addresses of operators/lessees; Federal lease serial numbers; Federal license serial numbers, if appropriate and names and addresses of surface and subsurface coal or other mineral owners of record, if other than the United States.	Operations	Vol I	5-9	782.13	211.10 (C)(1)
	Lessees	Vol I	5-9	782.13	
	Lease Numbers	Vol I	17-23A 42-44	782.15 Appendix A	
	Surface Owners	Vol I; Vol V	12; 1B & 1C	782.13	
	Mineral Owners	Vol I; Vol V	13; 1A	782.13	
	Lease Numbers	Vol I	42-44	Appendix A	
	MSHA I.D. #	Vol I	27-35 10-11	782.18-19 782.13	
(2) A general description of geologic conditions and mineral resources, with appropriate maps, within the area where mining is to be conducted.	Geologic Conditions	Vol II	6-13	783.14	211.10 (C)(2)
	Mineral Resources	Vol II	10-13	783.14	
	Maps	Vol IV	B, B-1a, B-1b		
(3) A description of the proposed mining operation, including: (i) Sufficient coal analyses to determine the quality of the minable reserve base in terms including, but not limited to, Btu content on an as-received basis, ash, moisture, sulphur, volatile matter, and fixed carbon content.	Coal Analyses	Vol II	15-19	783.14	211.10(C)(6)(i)
	Coal Quality	Vol II	15-19	783.14	
	Btu	Vol II	15-19	783.14	
	Ash	Vol II	15-19	783.14	
	Moisture	Vol II	15-19	783.14	
	Sulphur	Vol II	15-19	783.14	
	Volatile Matter	Vol II	15-19	783.14	
	Fixed Carbon	Vol II	15-19	783.14	

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\* The Resource Recovery and Protection Plan under 30 CFR 211.10(c) provides for the requirements of the

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(ii) The methods of mining and/or variation of methods, basic mining equipment and mining factors including, but not limited to, mining sequence, production rate, estimated recovery factors, stripping ratios, highwall limits, and number of acres to be affected.	Mining Methods	Vol III	2	784.11	211.10 (C)(6)(i)
	Mining Equipment	Vol III	7-8	784.11	
	Mining Sequence	Vol IV Vol V	Envelopes 5&6 Appendix C	Maps B-2 B-3 Maps E1 E2	
	Production Rate	Vol III	6	784.11	
	Stripping Ratios	N/A			
	Highwall Limits	N/A			
	Acres Affected	Vol I	26a	782.17	
(iii) An estimate of the coal reserve base, minable reserve base, and recoverable coal reserves for each Federal lease included in the resource recovery and protection plan. If the resource recovery and protection plan covers an LMU, recoverable coal reserves will also be reported for the non-Federal lands included in the resource recovery and protection plan.	For each Fed. lease	Gates Report	A-1 & A-2	Appendix	211.10 (C) (6)(i)
	For LMU				
	Coal Reserve Base	Gates Report	A-1	Appendix	
	Minalbe Reserve Base	Gates Report	A-2	Appendix	
	Recov. Coal Reserves	Gates Report	12	Investigation	
(iv) The method of abandonment of operations proposed to protect the unmined recoverable coal reserves and other resources.	Protect Coal Reserves	N/A			211.10 (C)(6)(xi)
	Protect Other Resources	N/A			
(4) Maps and cross sections as follows: (i) A plan map of the area to be mined showing the following: (A) Federal lease boundaries and serial numbers; (B) LMU boundaries, if applicable; (C) Surface improvements, and surface ownership and	Plan Map(s)				211.10(C)(7)(i)
	A	Vol IV	Envelope 2	Map A-1	
	B	Vol IV	Envelope 3	Map B	
	C	Vol IV	Envelope 1	Map A	

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(D) Coal outcrop showing dips and strikes; and, (E) Locations of existing and abandoned surface and underground mines.	D	Gates Report	Plates 5, 7, 9, 10	Maps	
	E	Vol IV	Map C-5 Envel	10	
(ii) Isopach maps of each coal bed to be mined and the overburden and interburden.	Coal Isopach Maps	Gates Report	Plates 5, 7, 9, 10	Maps	211.10(C)(7)(iii)
	Overburden	Gates Report	Plate 4	Maps	
	Interburden	Gates Report	Plates 6+8	Maps	
(iii) Typical structure cross sections showing all coal contained in the coal reserve base.	Cross Sections	Gates Report	Plates 12+13	Maps	211.10 (C)(7)(iii)
(iv) General layout of proposed surface or strip mine showing: (A) Planned sequence of mining by year for the first 5 years, thereafter in 5-year increments for the remainder of mine life; (B) Location and width of coal fenders; and, (C) Cross sections of typical pits showing highwall and spoil configuration, fenders, if any, and coal beds.	Gen. Layout Surface				
	A	N/A			
	B	N/A			
	C	N/A			
(v) General layout of proposed underground mine showing: (A) Planned sequence of mining by year for the first 5 years, thereafter in 5-year increments for the remainder of mine life; (B) Location of shafts, slopes, main development entries and barrier pillars, panel development, bleeder entries, and permanent barrier pillars;	General Layout Underground				211.10(C)(7)(V)
	A	Vol IV	Envelopes 5+6	Maps B-2 B-3	
	B	N/A			

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<p>(C) Location of areas where pillars will be left and an explanation why these pillars will not be mined;</p> <p>(D) A sketch of a typical entry system for main development and panel development entries showing centerline distances between entries and crosscuts;</p> <p>(E) A sketch of typical panel recovery (e.g., room and pillar, longwall, or other mining method) showing, by numbering such mining, the sequence of development and retreat.</p>	C	N/A		Appendix B	Not a Sketch Distances Given in Written
	D	Vol V	3		
	E	Vol V	19-23		
<p>(vi) For auger mining:</p> <p>(A) A plan map showing the area to be auger mined and location of pillars to be left to allow access to deeper coal;</p> <p>(B) A sketch showing details of operations including coal bed thickness, auger hole spacing, diameter of holes and depth or length of auger holes.</p>	Auger Mining				211.10(C)(7)(vi)
	A	N/A			
	B	N/A			
<p>(5) A general reclamation schedule for the life-of-the-mine. This should not be construed as meaning duplication of a permit application in a permit application package under SMCRA. The resource recovery and protection plan may cross-reference, as appropriate, a permit application submitted under SMCRA to fulfill this requirement.</p>	General Schedule			Appendix A 783.13 783.14	211.10(C)(6)(i)(i)
	Included				
	Cross-Referenced	Vol III	22-47		

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(6) Any required data which are clearly duplicated in other submittals to the regulatory authority or Mine Safety and Health Administration may be used to fulfill the requirements of the above paragraphs provided that the cross-reference is clearly stated. A copy of the relevant portion of such submittals must be included in the resource recovery and protection plan.	MSHA Approvals				
(7) Explanation of how NER of the Federal coal will be achieved for the Federal coal leases included in the resource recovery and protection plan. If a coal bed, or portion thereof, is not to be mined or is to be rendered unminable by the operation, the operator/lessee shall submit appropriate justification to the District Mining Supervisor for approval.	Included				
This is a continuation of Number 6 above	Golder Assoc. Surface Facilities Grading Plan for Belina Mine Area Vaughn Hansen, Hydrologic Inventory and Baseline Study of Valley Camp Lease Area.				
	NER				
	Vaughn Hansen Assoc. 1978 Office of Surface Mining Reclamation and Enforcement Compliance Survey in the Clear Creek, Utah Area.				
	Gates Engineering Co. 1982 Geology and Coal Reserve Study of the Belina No. 1 and No. 2 Mines Valley Camp of Utah.				

ADDITIONAL COMMENTS

Regulation	Separate Items				