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File ACT/015/015
Copy to Lynn
w/attachs.
* Note new
contact

Consolidation Coal Company
Western Region
2 Inverness Drive East
Englewood, Colorado 80110
303-770-1600

JIM
OCT 01 1981

September 23, 1981

Mr. James W. Smith, Jr.
Coordinator of Mined
Land Development
State of Utah
Division of Oil, Gas, & Mining
1588 West North Temple
Salt Lake City, Utah 84116

RECEIVED
SEP 28 1981
DIVISION OF
OIL, GAS & MINING

re: U. S. Geological Survey
211 Regulations
Cross-Reference Index

Dear Mr. Smith:

As per you letter of July 31, 1981 to Jim Thompson, I am enclosing three copies of the 211 regulation information. Please retain one copy for your records and forward one copy to USGS and one to the Office of Surface Mining.

* Mr. Jim Thompson has transferred to Conoco Inc. In the future, please address all correspondence to me.

If you have any questions concerning the enclosed information, please contact me.

Sincerely,

Richard M. Holbrook

Richard M. Holbrook
Supervisor,
Environmental Quality Control

RMH/mcf
Enclosure
cc: Ron Thompson

Attachment 1

	UMC	Section*	Page	Vol.
(1) 211.10 (c)(1) Names, addresses, and telephone numbers of persons responsible for operations under the plan to whom notices and orders are to be delivered, and the names and addresses of surface owners of record, and owners of record of subsurface minerals, if other than the United States.	782.13 (a)	2.2 4.3	2-1 4-1	1.0 2.0
211.10 (c)(2) A description of geologic conditions, with maps and tables where appropriate, within the area where mining is to be conducted and including any Logical Mining Unit. Such description shall include, as a minimum, potential geologic hazards; and a description of the structural features of the coal and overlying strata, including faults, cleats, joints and fractures and any other information which would affect the orientation of the mine or production methods.	783.14	3.3 6.0	3-24 6-1	1.0 2.0 3.0 4.0
211.10 (c)(6)(i) The nature and extent of the coal deposit in terms of Btu content, ash, water, sulphur, volatile matter and carbon content, and any other available information that may affect blending or combustion and including estimated recoverable reserves. The recoverable reserves shall be reported for all coal seams of mineable thickness, considering the type of mining and the value of the coal. (This information must conform with the requirements of General Mining Order No 1.)	783.25 (c), (d)	3.3.1 6.5.4 6.5.5	3-24 6-7 6-14	1.0 2.0 2.0
211.10 (c)(6)(ii) The method of mining, including mining sequence and proposed production rate; the plan for any lease issued or readjusted after August 4, 1976, must provide for the mining of all the reserves of the logical mining unit of which the lease is a part in a period of not more than forty years; that period shall begin on the date of approval of the first mining plan for that logical mining unit.	784.11 (a)	3.3.1.3	3-25	1.0
The plan must include planned sequence of mining by year for the first 5 years and by number in 5-year increments for remainder of mine life.	783.12 (a)	Plate 3-7 3.3.1.4 3.3.7 & 3.3.8	3-25 3-45	1.0 1.0

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211.10 (c)(6)(v) A list of all major equipment.	784.11 (a)	3.3.4	3-42	1.0
211.10 (c)(6)(vii) The method of operation and measures by which the operator plans to comply with the obligations and requirements set forth in 211.4 and 211.40 of this Part and any special terms and conditions of the lease, permit, or license. (This can be by a narrative statement and must include only those items related to resource recovery.)	784.13 (a)(2)	3.3.3	3-38	1.0
211.10 (c)(6)(viii) The anticipated starting and termination dates of each phase of the mining operation and number of acres of land to be affected.	782.17 (a) 784.13 (b)(1)	3.3.6	3-44	1.0
211.10 (c)(6)(x) The measures for ensuring the maximum practicable recovery of the mineral resource.	784.13 (b)(6)	3.3.3.1	3-38	1.0
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(ii) The name of the watershed and location of the surface stream or tributary into which mine waters will be discharged, if applicable.	783.16 (a)	Plate 7-7		5.0
	783.25 (y)	Plate 15-8		12.0
(iii) Cross sections and plan views of the land to be affected, including the actual area to be mined, showing elevation and location of drill holes and depicting the following information: the nature and depth of the various strata of overburden; the nature and thickness and extent of any coal, or if rider seams above the specific coal proposed to be mined; the nature of the strata beneath the coal to be mined for a vertical distance of at least 20 meters beneath the base of the coal seam; the location of the next known deeper coal seam below the deepest seam to be mined and representative characteristics thereof; the location of any	783.25 (a)	Plate 6-1		3.0
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(iv) Locations of surface structures and facilities, including loading facilities.	784.23 (b)(1)	3.2.3 3.2.4	Plate 3-2 Plate 3-3	1.0 1.0
(v) For an underground mine, in addition, the planned mine layout, including location and dimensions of shafts, slopes, drifts, crosscuts, rooms, haulageways, aircourses, entries, and barrier pillars; show typical panel recovery, sequence of development and retreat.		3.3.1.2	3-24	1.0
Submit the Roof Control and Ventilation System and Methane and Dust Control Plans approved by Mine Safety and Health Administration (MSHA) as a part of the mining and reclamation plan.		3.3.1.6	3-30	1.0
Include a structural coutour map of bed(s) to be mined.		6.4.2	Plates 6-15 to 6-22	3.0
If several seams are involved, include interburdern isopach map(s) on 10-foot intervals.		6.5.5	Plate 6-15 to 6-22	3.0
Include an isopach map of overburden of surface mines on 20-foot intervals.		6.5.5	N/A	
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