











After Summitville- NEW STATE RULES define "Designated Mining Operations"

- Mines that use toxic or acid forming materials (e.g. cyanide).
- Mines that disturb toxic or acid forming materials (sulfide ores).
- Mines that generate acid mine drainage.
- Mines that have a likely potential to release contaminants.
- Includes all Uranium Mines.

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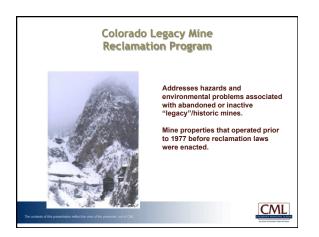
COLORADO Permitting Standards After Summitville

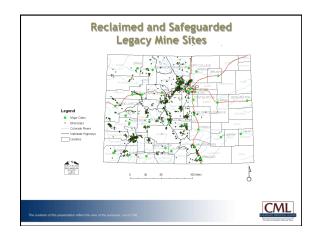
- "DESIGNATED" Mining operations, in addition to a full mining plan, <u>MUST also</u> submit Engineering Designs and an Environmental Protection Plan for:
 - Leach facilities, or heap leach plant
- · Tailings disposal or storage areas
- Impoundments and dams
- Waste rock piles
- Stock piles
 - In-place leach for uranium operations
- Storage, handling and safety of hazardous chemicals

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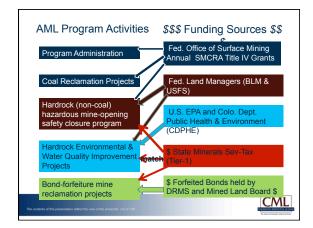


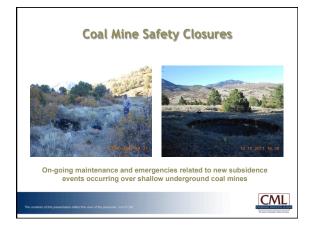


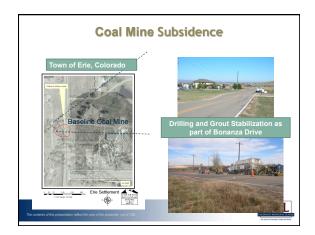










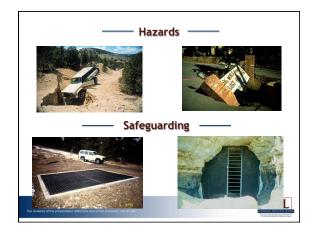


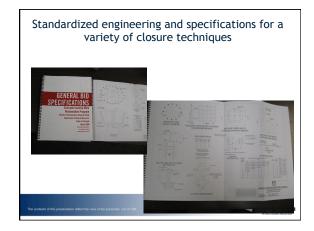


Hardrock Mine Reclamation Components Safety closures on inactive and abandoned mine openings, public and privately owned Environmental restoration of historic mine sites-water quality improvement projects. Reclamation of permit-revoked sites where mine operator has defaulted and forfeited a reclamation bond

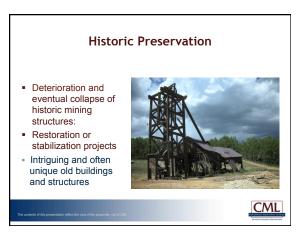
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Hardrock Safety Closure Program Successes

- Foster small-business "Mom and Pop" local contractors to perform closure construction
- Incorporate historical preservation of mine structures with safety closure construction
- Maintain program flexibility to adapt to changing local and national initiatives (tourism, historic preservation, local land-use planning)
- Systematic coverage of mining districts and geographic areas in sequential project phases

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and removal to repository; restoration of wetlands











Hardrock Environmental Reclamation Successes

- Collaboration with watershed stakeholders to identify, develop and execute projects
- Watershed approach to determine best "bang-for-the-buck"
- Generally successful with acid-forming mine-waste and tailings cleanup work, but main problems are often draining legacy mines, which are currently not workable under existing federal laws.

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Abandoned Mines-Reclamation Accomplishments

- Over 9,700 hazardous and dangerous mine openings have been safeguarded since 1981.
- Currently safeguarding ~250-300 additional mine features annually at current funding levels.
- 4,000 acres of mined land reclaimed.
- Numerous Federal agency and partners providing approximately \$4 million in additional funding over last few years.

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(NEPA/BATS) & Outreach, etc.	÷ 101,000			
Other supporting projects	\$ 151.500	13	0	0
Bond Forfeiture Projects	\$ 220,062	11	5	14.75
Enviro & WQ projects	\$ 1,458,635	26	0	16.25
Coal projects & maintenance	\$ 1,441,265	22	23	17.5
Non-coal safety closures & maintenance	\$1,029430	30	258	65.5
	Design and Construction Project Expenditures	Number of Projects	Number of Openings Safeguarded	Acres Reclaimed

