



SUSANA MARTINEZ  
Governor  
JOHN A. SANCHEZ  
Lieutenant Governor

*State of New Mexico*  
**ENVIRONMENT DEPARTMENT**

**Ground Water Quality Bureau**

Harold Runnels Building  
1190 Saint Francis Drive, PO Box 5469  
Santa Fe, NM 87502-5469  
Telephone (505) 827-2855 Fax (505) 827-2965  
www.nmenv.state.nm.us



DAVE MARTIN  
Secretary  
BUTCH TONGATE  
Deputy Secretary

November 22, 2011

Mr. John Buckley, NRC Project Manager  
U.S. Nuclear Regulatory Commission  
Decommissioning and Uranium Recovery Licensing Directorate  
Division of Waste Management and Environmental Protection  
Mail Stop T-8F5  
Washington, DC 20555

**RE:** Transmittal of New Mexico requirements pertaining to completion of remedial activities, Homestake Mining Company Superfund Site (CERCLIS ID NMD0007860935), Cibola County, New Mexico

Dear Mr. Buckley:

The attached table presents a comprehensive listing of all State regulations and guidance documents that should be considered for inclusion in the U.S. Nuclear Regulatory Commission's pending revision of the Corrective Action Plan for ongoing remedial activities at the Homestake Mining Company Superfund Site. This listing is consistent with requirements utilized by the State in its oversight of activities at other mines and millsites in New Mexico, and also will be used in the State's determination of HMC's ongoing compliance with the conditions of its Discharge Permits, as well as its final determination of whether to support eventual Site permit and license terminations and delisting from the National Priorities List.

Please contact David L. Mayerson at (505) 476-3777 or Angelo Orтели at (505) 827-2866 if you have any questions.

Sincerely,

Jerry Schoeppner  
Acting Ground Water Quality Bureau Chief  
New Mexico Environment Department

Attachment: Regulatory requirements for Homestake Mining Company Superfund Site, State of New Mexico—rules, regulations, and guidance

Copies:

Sairam Appaji, EPA  
Dana Bahar, NMED  
David L. Mayerson, NMED  
Mary Ann Menetrey, NMED  
Angelo Orтели, NMED

JS/dlm

**Table 1**  
**REGULATORY REQUIREMENTS FOR HOMESTAKE MINING COMPANY SUPERFUND SITE**  
**STATE OF NEW MEXICO - RULES, REGULATIONS, AND GUIDANCE**

Standard, Requirement, Criterion, or Limitation	Citation	Medium	Description
<b>New Mexico Water Quality Act</b>			
New Mexico Water Quality Control Commission Regulations	§ 20.6.2 NMAC	Ground Water and Surface Water	Water Quality Control Commission Regulations (all of the water regulations for New Mexico).
	§ 20.6.2.1203 NMAC	Ground Water	Notification of discharge-removal with respect to any discharge from any facility of oil or other water contaminant, in such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property.
	§ 20.6.2.2101 NMAC	Surface Water	Surface Water Protection Regulations – General requirements. Include limits on biochemical oxygen demand, chemical oxygen demand, settleable solids, fecal coliform, and pH in effluent.
	§ 20.6.2.3101 NMAC	Ground Water	Purpose is to protect ground water that has an existing concentration of 10,000 mg/L TDS or less at any place of withdrawal for present or reasonably foreseeable future use and to protect those segments of surface waters which are gaining because of ground water inflow.
	§ 20.6.2.3103 A NMAC	Ground Water	Establishes contaminant-specific standards for ground water of 10,000 mg/L or less TDS.
	§ 20.6.2.3104 NMAC	Ground Water	Discharge permit required to allow effluent or leachate to discharge so that it may move directly or indirectly into ground water in compliance with § 20.6.2.3111 NMAC, regarding transfers.
	§ 20.6.2.4101 NMAC	Ground Water and Surface Water	To abate pollution of subsurface water so that all ground water which has 10,000 mg/L or less TDS is either remediated or protected for use as domestic and agricultural water supply; and to remediate or protect those segments of surface water which are gaining because of subsurface water inflow. If the background concentration of any water contaminant exceeds the standard or requirement of Subsections A, B, and C of § 20.6.2.4103 NMAC, pollution shall be abated to the background concentration.
	§ 20.6.2.4103 A-D NMAC	Ground Water and Surface Water	Requires abatement of ground water pollution at any place of withdrawal for present or reasonably foreseeable future use, where the TDS concentration is 10,000 mg/L or less, to conform to standards defined in § 20.6.2.1101 NMAC and § 20.6.2.3101 NMAC. Surface water pollution shall be abated to conform to the Water Quality Standards for Interstate and Intrastate Streams in New Mexico (§ 20.6.4 NMAC).
	§ 20.6.2.4111 NMAC	Ground Water and Surface Water	To modify an abatement plan within the shortest reasonable time so as to effectively abate water pollution which exceeds the standards and requirements set forth in § 20.6.2.4103 NMAC, and to abate and prevent unreasonable injury to or interference with health, welfare, environment or property.
§ 20.6.2.5000 through § 20.6.5299 NMAC	Ground Water	Underground Injection Control to protect all ground water of the State of New Mexico which has an existing concentration of 10,000 mg/l or less TDS, for present and potential future use as domestic and agricultural water supply, and to protect those segments of surface waters which are gaining because of ground water inflow for uses designated in the NMWQCC standards.	
Antidegradation Policy and Implementation Plan for Surface Water	§ 20.6.4.8.A(1) NMAC	Surface Water	Requires that existing instream water uses are maintained and protected and that no further water quality degradation occur that would interfere with or become injurious to existing uses.
Standards for Interstate and Intrastate Surface Waters – Water Quality Criteria	§ 20.6.4.12 NMAC	Surface Water	Describes general requirements for compliance to meet water quality standards, including monitoring requirements. Also establishes the minimum quantification level (MQL) as the water quality standard in cases where the numeric standard is below the MQL.
	§ 20.6.4.13 NMAC	Surface Water	General Surface Water Criteria – Applicable to all surface water at all times, unless a specific standard is provided elsewhere in these regulations.
	§ 20.6.4.13.A NMAC	Surface Water	General Criteria – Bottom Deposits: Requires that surface waters are free of contaminants that will settle and damage or impair benthic life or significantly alter the bottom. These requirements are applicable for any remedial action that could cause sedimentation or deposits into streams.

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	§ 20.6.4.13.B NMAC	Surface Water	General Criteria – Floating Solids, Oils, and Grease: Requires that surface waters are free from oils, scum, grease and other floating material.
	§ 20.6.4.13.C NMAC	Surface Water	General Standard – Color: Prohibits the creation of any unnatural, undesirable color or one that can impair use off water by aquatic life. These requirements are applicable if any discharge would create color in receiving water.
	§ 20.6.4.13.D NMAC	Surface Water	General Criteria – Organoleptic Quality: Prohibits impact of unpalatable flavor to fish or offensive odor. These requirements are applicable if any remedial alternative would create a discharge capable of such impacts
	§ 20.6.4.13.E NMAC	Surface Water	General Standard – Plant Nutrients: Prohibits the presence of plant nutrients at concentrations that will produce undesired aquatic life.
	§ 20.6.4.13.F NMAC	Surface Water	General Standard – Toxic Pollutants: Requires that surface water of the state of New Mexico be free of toxic pollutants in amounts, concentrations, or combinations that affect the propagation of fish.
	§ 20.6.4.13.G NMAC	Surface Water	General Standard – Radioactivity: Prohibits the radioactivity of surface water from exceeding the criteria set forth in the New Mexico Radiation Protection Regulations.
	§ 20.6.4.13.H NMAC	Surface Water	General Standard – Pathogens: Requires that surface water be free of pathogens.
	§ 20.6.4.13.I NMAC	Surface Water	General Criteria – Temperature: Prohibits the increase in temperature, as measured from above the point of discharge, by more than 2.7°C in a stream (in addition to meeting maximum temperature standards in § 20.6.4.101-899 NMAC). These requirements are applicable to any discharge to a stream/river.
	§ 20.6.4.13.J NMAC	Surface Water	General Criteria – Turbidity: Prohibits reduction in light transmission such that aquatic life is impaired or there is a substantial visible contrast with the natural appearance of water. These requirements are applicable to any discharge that could increase turbidity.
	§ 20.6.4.13.K NMAC	Surface Water	General Criteria – Total Suspended Solids: Requires that total dissolved solids (TDS) attributable to other than natural causes do not damage or impair the normal growth, function or reproduction of animal, plant, or aquatic life.
	§ 20.6.4.13.L NMAC	Surface Water	General Criteria – Dissolved Gases: Requires that surface water be free of nitrogen and other dissolved gases at levels above 110% saturation.
	§ 20.6.4.122 NMAC	Surface Water	Establishes water quality designated use and criteria for a specific stream segment (San Mateo Creek Basin). Regulations must be complied with should the NM standards be more stringent or lower numerically than federal standards or criteria.
	§ 20.6.4.900 NMAC – A, C,D,F,G, H2	Surface Water	Establishes water quality standards that consist of designated use(s) of surface water, water quality criteria necessary to protect use(s), and an anti-degradation policy.
<b>New Mexico Water Quality Act – Discharge Plans</b>			
Discharge Plan 200	Condition 1	Ground Water	Establishes ground water quality standards for water that is injected into the San Mateo alluvium during remediation and specifies requirements that apply to all seeps, spills, and/or leaks discovered from the facility's remediation system. Unauthorized discharges violate § 20.6.2.3104 NMAC, and must be reported and remediated as required by § 20.6.2.1203 NMAC.
Discharge Plan 725	Condition 2	Surface Water	Specifies general provisions of water distribution and balance in the operation of the evaporation ponds, as well as the maximum amount of daily discharge to the ponds.
	Condition 3	Surface Water	Specifies parameters of EP-3 design and construction.
	Condition 4	Surface Water	Specifies freeboard maintenance requirements in the operation of collection and evaporation ponds.

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	Condition 5	Surface Water	Specifies use and maintenance of exclusion devices around collection and evaporation ponds for the protection of human and animals.
	Condition 6	Surface Water	Specifies use of signage for collection and evaporation ponds to indicate that impounded water is non-potable.
	Condition 7	Surface Water	Requires routine inspection and maintenance of ponds and associated equipment.
	Condition 8	Surface Water	Specifies parameter for operation of forced spray evaporation equipment.
	Conditions 9 and 10	Ground Water and Surface Water	Specifies inspection and decommissioning operations for conveyance pipelines.
	Condition 11	Ground Water	Specifies operational compliance monitoring process for ponds.
	Condition 12	Ground Water	Specifies process for monitor well abandonment required under this discharge plan.
	Conditions 13 and 17	Air	Specifies additional air monitoring requirements associated with EP3.
	Condition 15	Ground Water	Specifies ground water quality monitoring and reporting requirements for the collection and evaporation ponds.
	Condition 16	Ground Water	Specifies specific ground water monitoring requirements for EP3 operation.
	Condition 18	Surface Water	Specifies leak detection monitoring and associated pump-back operations for EP2 and EP3 operation.
	Conditions 19 and 20	Surface Water	Specifies discharge volume monitoring and reporting requirements for the evaporation pond system.
	Condition 21	Surface Water	Specifies pond inspection and maintenance requirements.
	Condition 22	Ground Water	Requires collection of ground water level data from monitoring wells associated with the ponds.
	Condition 23	Surface Water	Specifies pond water quality parameters that are to be monitored.
	Condition 24	Ground Water and Surface Water	Specifies sampling and analytical methodology to be used in water quality sampling processes.
	Condition 27	Ground Water	Requires abatement actions for all ground water contamination that is discovered, including contaminants that are not addressed in the NRC-administered corrective-action plan (CAP).
	Condition 28 and 34	Ground Water and Surface Water	Specifies confirmation sampling and subsequent abatement implementation procedures for ground water or surface water contamination attributable to the pond system.
	Condition 29	Surface Water	Requires prompt leak containment and remedial measures.
	Conditions 31 and 32	Surface Water	Describes conditions for contingency plan implementation.
	Condition 33	Surface Water	Describes processes for pond closure.
	Condition 35	Ground Water	Details requirements for post-closure monitor well plugging and abandonment.
	Condition 37	Ground Water and Surface Water	Specifies conditions for discharge plan termination.
<b>Office of the State Engineer – Underground Water</b>			
New Mexico Rules and Regulations Governing Well Drillers Licensing; Construction, Repair and Plugging of Wells	§ 19.27.4 NMAC	Ground Water	Establishes rules and regulations governing well drillers licensing; construction, repair, and plugging of wells and boreholes. Applicable for new ground water wells and the plugging of wells and boreholes.

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Statutes Governing the Appropriation and Use of Ground Water	NMSA 1978, §§ 72-2-8, 72-2-12, 72-13-4	Ground Water	Article 1-17; Application for Pollution Plume Control Wells and Pollution Recover Wells, Article 1-18: Requirements for Metering of Ground Water Withdrawal. Applicable for new ground water wells.
<b>New Mexico Water Supply Systems</b>			
New Mexico Regulations for Public Drinking Water Systems	§ 20.7.10.100 NMAC	Drinking Water Systems	Establishes health-based standards for public drinking water systems (MCLs and MCLGs). Regulations adopt most federal MCLs and MCLGs.
<b>New Mexico Air Quality Control Act</b>			
New Mexico Air Quality Regulations	§ 20.2 NMAC	Air	Air Quality Regulations (all of the air regulations for New Mexico)
New Mexico Air Quality Regulations	§ 20.2.60 NMAC	Air	Establishes open burning restrictions. Open burning is generally prohibited at construction sites, except for small wood fires for warming purposes.
	§ 20.2.61 NMAC	Air	Establishes smoke and visible emissions restrictions. Applicable if any remedy includes stationary combustion equipment not otherwise regulated for particulate emissions (limit on opacity is 20%) or relevant/appropriate if using diesel-powered vehicle (limit is 40% for >10 seconds above 8,000 feet above sea level).
<b>New Mexico Radiation Protection Rules</b>			
New Mexico Standards for Protection Against Radiation	§ 20.3.4 NMAC	Ionizing Radiation	Radiation Protection Standards established in the radiation protection rules for New Mexico.
	§ 20.3.4.413 NMAC	Ionizing Radiation	Dose Limits for Individual Members of the Public. The total effective dose equivalent to individual members of the public from the licensed or registered operation does not exceed 0.1 rem (1 millisievert) in a year, exclusive of the dose contributions from background radiation and from any medical administration the individual has received.
	§ 20.3.4.413 NMAC	Ionizing Radiation	Requires surveys of radiation levels in unrestricted and controlled areas and radioactive materials in effluents released to unrestricted and controlled areas to demonstrate compliance with the dose limits in § 20.3.4.413 NMAC for individual members of the public.
	§ 20.3.4.461 NMAC	Ionizing Radiation	Annual limits on intake (ALI) and derived air concentrations (DAC) of radionuclides for occupational exposure; effluent concentrations; and concentrations for release to sanitary sewerage.
	§ 20.3.4.461 D NMAC	Ionizing Radiation	Effluent concentration values given in columns 1 and 2 of Table II are equivalent to the radionuclide concentrations which, if inhaled or ingested continuously over the course of a year, would produce a total effective dose equivalent of 0.05 rem (0.5 millisievert).
<b>New Mexico Hazardous Waste Act</b>			
New Mexico Hazardous Waste Regulations	§ 20.4.1.300 NMAC	Hazardous Waste	Incorporates 40 C.F.R. Part 262 as Standards for Generators of Hazardous Waste. Although it is assumed that hazardous waste will not be generated, the requirement to characterize waste to determine whether it is hazardous is an ARAR.
New Mexico Petroleum Storage Tank Regulations	§ 20.5 NMAC	Petroleum Storage Tanks	Provides for regulation of underground and aboveground storage tanks and remediation for spills and leaks. These requirements are applicable if storage tanks are present.
<b>New Mexico Solid Waste Act</b>			
New Mexico Solid Waste Regulations	§ 20.9.2.10 NMAC	Solid Waste	Specifies general provisions – prohibited acts. As a result of water treatment, sludge will be generated. Such sludge is classified as a special waste under § 20.9.2.7 NMAC. Prohibits disposal of sludge that does not meet the analytical criteria of § 20.9.8.16 NMAC at any solid waste facility.
Maximum Size, Siting Criteria, Design Criteria	§ 20.9.4.9 NMAC	Solid Waste	Establishes siting criteria for municipal, special waste, and construction and demolition waste landfills and monofills (scrap tires or asbestos waste). Special waste is defined as solid waste with unique handling, transportation or disposal requirements to assure protectiveness.

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	§ 20.9.4.13 NMAC	Solid Waste	Establishes design criteria for municipal landfills, special waste landfills, and monofills. Provides specific requirements for liners.
	§ 20.9.4.14 NMAC	Solid Waste	Provides testing and quality control requirements for geosynthetics and soil liners and final covers.
Closure and Post-Closure Requirements	§ 20.9.6.9 NMAC	Solid Waste	Establishes closure and post-closure requirements for municipal and special waste landfills, including cover thickness, hydraulic conductivity, erosion control and revegetation.
	§ 20.9.6.10 NMAC	Solid Waste	Establishes closure and post-closure requirements for construction and demolition landfills, including cover thickness, erosion control and grading.
	§ 20.9.6.12 NMAC	Solid Waste	Establishes general closure and post-closure requirements for other solid waste facilities, including dismantling of structures and other man-made features.
<b>New Mexico Surface Mining Act</b>			
New Mexico Coal Mining Regulations	§ 19.8.20.2001 NMAC	Ground Water and Surface Water	Casing and Sealing of Drilling Holes: General Requirements: Requires exposed underground openings to be cased, sealed, or otherwise managed to prevent acid or other toxic drainage from entering ground or surface water.
	§ 19.8.20.2003 NMAC	Ground Water and Surface Water	Casing and Sealing of Drilling Holes and Underground Openings – Permanent: Requires that permanent measures are employed to prevent acid or other toxic drainage from entering ground or surface water from exposed underground openings.
	§ 19.8.20.2005.E NMAC	Soil and Cover Materials	Topsoil Substitutes and Supplements: Selected overburden material may be substituted or may be used as a supplement to topsoil if determined by the Director of the administering state agency that the resulting soil medium is equal to or more suitable for sustaining vegetation.
	§ 19.8.20.2007 NMAC	Soil and Cover Materials	Topdressing: Redistribution – Regraded land shall be done in a manner that will eliminate slippage, achieve an approximate uniform thickness, prevent compaction and is protected from erosion before and after it is seeded.
	§ 19.8.20.2008 NMAC	Soil and Cover Materials	Topdressing: Nutrients and Soil Amendments – Requires that nutrients and amendments be applied to support the revegetation requirements.
	§ 19.8.20.2009 NMAC	Surface Water	Hydrologic Balance: General Requirements – Establishes actions to prevent or minimize water pollution. In no case shall federal and state water quality statutes, regulations, standards or effluent limitations be violated.
	§ 19.8.20.2010 NMAC	Surface Water	Hydrologic Balance: Water Quality Standards and Effluent Limitations – Requires that all surface flow that leaves the disturbed area shall be made in compliance with all applicable state and federal water quality statutes and regulations.
	§ 19.8.20.2011 NMAC	Surface Water	Hydrologic Balance: Diversion and Conveyance of Overland Flow – Overland flows from undisturbed areas may be diverted from disturbed areas if required as necessary to minimize erosion, to reduce the volume of water to be treated, and to prevent or remove water from contact with acid- or toxic-forming materials.
	§ 19.8.20.2013 NMAC	Surface Water and Sediment	Hydrologic Balance: Sediment Control Measures – Requires prevention, to the extent possible, of additional contribution of sediment to streamflow or to run-off outside the permit area.
	§ 19.8.20.2014 NMAC	Surface Water and Sediment	Hydrologic Balance: Sedimentation Ponds – Establishes standards for sediment pond design, sizing, construction and maintenance.
§ 19.8.20.2015 NMAC	Surface Water and Sediment	Hydrologic Balance: Discharge Structures – Requires that discharges from sediment ponds, impoundments, dams, embankments and diversions shall be controlled by energy dissipaters, riprap channels and other devices.	

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	§ 19.8.20.2016 NMAC	Surface Water and Sediment	Hydrologic Balance: Acid Forming and Toxic Forming Spoil – Requires that drainage from acid-forming materials into ground and surface water be avoided and water is prevented from coming into contact with acid-forming spoil in accordance with § 19.8.20.2056 NMAC.
	§ 19.8.20.2017 NMAC	Surface Water and Sediment	Hydrologic Balance: Permanent and Temporary Impoundments – Establishes sizing and construction standards based on impoundment classification. Static and seismic safety factors for impoundments are relevant and appropriate to similar structures. Establishes minimum static factor of safety (FOS) of 1.3 for impoundments.
	§ 19.8.20.2018 NMAC	Ground Water	Hydrologic Balance: Ground Water Protection – Establishes requirements to control the effects of mine drainage and other mine disturbances in such a manner as to prevent or control discharge of acid, toxic or otherwise harmful mine drainage waters into ground water systems and to prevent adverse impacts on such ground water systems.
	§ 19.8.20.2023 NMAC	Ground Water	Hydrologic Balance: Discharge of Water into an Underground Mine – Requires that water from the surface or from an underground mine shall not be diverted or otherwise discharged in other underground mine workings.
	§ 19.8.20.2034 NMAC	Ground Water	Disposal of Excess Spoils: General Requirements – Requires that spoil be placed in a controlled manner to ensure that leachate and surface runoff from the fill will not degrade surface or ground water or exceed the effluent limitations and stability of the fill and the land mass are suitable for reclamation and revegetation.
	§ 19.8.20.2037 NMAC	Surface Water	Disposal of Excess Spoils: Durable Rock Fills – Establishes standards for stability (Factor of Safety), slope gradient and surface water diversion channel sizing.
	§ 19.8.20.2050 NMAC	Air	Air Resources Protection: Fugitive Dust – Requires that operators plan and employ fugitive dust control measures as an integral part of site reclamation operations.
	§ 19.8.20.2055 NMAC	Soil and Cover Materials	Backfilling and Grading: General Requirements – Establishes minimum requirements for backfilling and grading slopes.
	§ 19.8.20.2056 NMAC	Soil and Cover Materials	Backfilling and Grading: Covering Coal and Acid- and Toxic-Forming Material – Requires that exposed acid- and toxic-forming materials be adequately covered with non-toxic and non-combustible materials. Where necessary to protect against adverse effects on plant growth from upward migrating salts, erosion, and formation of acid or toxic seeps; and to provide an adequate depth for plant growth; the Director shall specify thicker amounts of cover using non-toxic materials.
	§ 19.8.20.2059 NMAC	Soil and Cover Materials	Regrading or Stabilizing Rills and Gullies – Requires that surface areas be protected and stabilized to effectively control erosion.
	§ 19.8.20.2060 NMAC	Soil and Cover Materials	Revegetation: General Requirements – Requires that all land effected by mining shall be revegetated to provide a diverse, effective and permanent vegetative cover of the same aspection native to the area of disturbed land.
	§ 19.8.20.2061 NMAC	Soil and Cover Materials	Revegetation: Introduced Species – Allows for introduced species to be used for native species, if approved.
	§ 19.8.20.2062 NMAC	Soil and Cover Materials	Revegetation: Timing – When necessary to control erosion, any disturbed area shall be seeded and planted, as contemporaneously as practicable with the completion of backfilling and grading, with a temporary cover of small grains, grasses or legumes until a permanent cover is established.
	§ 19.8.20.2063 NMAC	Soil and Cover Materials	Revegetation: Mulching and Other Soil Stabilizing Practices – Requires the use of suitable mulch and other soil stabilizing practices on all regraded and topdressed areas to control erosion, promote germination of seeds, or increase the moisture retention capacity of the soil.
	§ 19.8.20.2065 NMAC	Soil and Cover Materials	Revegetation: Standards for Success – Establishes vegetative success measures for ground cover and productivity.
	§ 19.8.20.2066 NMAC	Soil and Cover Materials	Revegetation: Tree and Shrub Stocking – Establishes standard of success for tree and shrub stocking.

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<b>New Mexico Mining Act</b>			
New Mexico Non-Coal Mining Regulations	§ 19.10.5.507 NMAC	Soil and Cover Materials	Establishes performance and reclamation standards and requirements. Requires reclamation to a condition that allows for re-establishment of a self-containing ecosystem appropriate for the life zone of the surrounding areas following closure, unless conflicting with the approved post-mining land use. Provides for waiver for open pit or waste unit, if the open pit or waste unit meets all applicable federal and state laws, regulations, and standards for air, surface water, and ground water protection following closure and will not pose a current or future hazard to public health or safety.
	§ 19.10.5.508 NMAC	Soil and Cover Materials	Establishes requirements for new discrete processing, leaching, excavation, storage or stockpile units locating within the existing mining operation and for each expansion of such unit. Requirements are established to protect human health, the environment, and domestic animals. Requirements include the containment of non-point source surface releases of acid or other toxic substances and that all other surface flows from disturbed area are treated to meet all applicable state and federal regulations, impoundment designs, minimizing disturbance to riparian and wetland areas, and site stabilization and surface configuration requirements. Final slopes and drainage configurations must be compatible with a self-sustaining ecosystem or approved post-mining land use.
	§ 19.10.6.603.C(6) NMAC	Soil and Cover Materials	Establishes performance and reclamation standards for new mining operations, including impoundments.
Closeout Plan Guidelines for Existing Mining Operations	EMNRD Guidelines, April 1996	Soil and Cover Materials	New Mexico Mining and Minerals Division (MMD) developed these guidelines to qualify handling of soil or other suitable cover materials in a stable cover design, including standards to quantify suitability based on slope, slope length, aspect, desired vegetation type, climate, and material chemical and physical character.
Draft Guidance for Meeting Radiation Criteria Levels and Reclamation at New Uranium Mining Operations	EMNRD Guidelines, July 2011	Ionizing Radiation	New Mexico Mining and Minerals Division (MMD) developed this guidance to assist operators and regulators in addressing radiation at new uranium mine sites as part of reclamation activities.
<b>New Mexico Prehistoric and Historic Sites Preservation Act and Cultural Properties Act</b>			
New Mexico Cultural Properties Act	NMSA 1978, §§ 18-6-1 through 18-6-27	Historic Building Structures, Sites, or Artifacts	Provides for the preservation, protection, and enhancement of structures, sites, and objects of historical significance within the state. With certification by
New Mexico Prehistoric and Historic Sites Preservation Act	NMSA 1978, §§ 18-8-1 through 18-8-8	Prehistoric or Historic Sites	Provides for the acquisition, stabilization, restoration or protection of significant prehistoric or historic sites. Applicable if authority delegated to New Mexico to implement in lieu of federal National Preservation and Historic Act.
New Mexico Prehistoric and Historic Sites Regulations	§ 4.10.12 NMAC	Prehistoric or Historic Sites	Provides for the implementation of the Act. Applicable if any sites are discovered and may be impacted.
<b>New Mexico Wildlife Conservation Act, Endangered Plant Species Act, and Noxious Weed Control Act</b>			
New Mexico Wildlife Conservation Act	NMSA 1978, §§ 17-2-37 through 17-2-46	Threatened and Endangered Species	Provides for the regulation and protection of threatened and endangered species.
New Mexico Endangered Plant Species Act	NMSA 1978, § 75-6-1	Endangered Plant Species	Provides for the regulation and protection of threatened and endangered plant species. Endangered plant species means any plant species whose prospects of survival within the state are in jeopardy or are likely within the foreseeable future. Applicable when such species are determined to be present.
New Mexico Endangered Plants Regulations	§ 19.21 NMAC	Threatened and Endangered Plants	Establishes requirements for the protection of threatened and endangered flora and fauna. Applicable when such species are determined to be present.



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New Mexico Noxious Weed Control Act	NMSA 1978, §§ 76-7-1 through 76-7-30	Noxious Weeds	Addresses the management and control of noxious weeds because of their negative impact on the economy or the environment. This is a relevant and appropriate requirement if noxious weed plant species that are not indigenous to New Mexico are found at the Site.
<b>Other Guidelines, Procedures, and Technical Information</b>			
Technical Background Document for Development of Soil Screening Levels (SSLs)	NMED Guidelines, Revision 5.0, July 2009	Soil	NMED developed this guidance document to assist internal departmental corrective action programs in identifying and evaluating appropriate exposure pathways and receptors using chemical-specific soil screening levels (SSLs) for chemicals commonly found at contaminated sites.
New Mexico Monitoring Well Construction and Abandonment Guidelines	NMED Guidelines, June 2005	Ground Water	NMED developed this guidance for ground water discharge permit monitoring well construction and abandonment conditions.
Draft Ground Water Pollution Protection Section Discharge Plan Closure Guidance for Mining Sites	NMED Guidelines, May 30, 1997	Ground Water	NMED developed these guidelines to determine discharge plan closure requirements for mine sites with respect to site-specific conditions including depth to ground water, concentration of contaminants, and acid-generating potential of waste materials.
Draft Guidelines for Synthetically Lined Lagoons - Liner Material and Site Preparation	NMED Guidelines, May, 2007	Surface Water	NMED developed these guidelines to provide minimum liner material and site preparation requirements for wastewater treatment, storage and evaporation lagoons. These requirements do not apply to lagoons storing hazardous wastes or high strength waste.

**Notes:**

ALI = Annual Limits on Intake

ARARs = Applicable or Relevant and Appropriate Requirements

CAP = Corrective Action Plan

CFR = Code of Federal Regulations

DAC = Derived Air Concentrations

DP = Discharge Plan

EP = Evaporation Pond

MCL = Maximum Contaminant Level

MCLG = Maximum Contaminant Level Goal

mg/L = milligrams/liter

MQL = Minimum Quantification Level

NMAC = New Mexico Administrative Code

NMSA = New Mexico Statutes Annotated

NMWQCC = New Mexico Water Quality Control Commission

SSL = Soil Screening Level

TDS = Total Dissolved Solids