

KEMC Response Document Tab	<p style="text-align: center;"><b>Table 2</b>  <b>Paragraph Reference from Metallic Minerals Lease<sup>1</sup> and (in red) KEMC Response and Cross-References to the Mining Permit Application, February 20, 2006</b></p>
J.1.a	<p><b>J. MINING AND RECLAMATION OPERATIONS</b></p> <p><b>1. Mining and Reclamation Plan</b></p> <p><b>a. No mining shall take place on leased premises without a mining and reclamation plan developed by Lessee and approved by Lessor.</b></p> <p><b>Section 1</b> provides a description of the project and other administrative requirements of the Part 632 rules.</p> <p><b>Section 2</b> contains project location information such as site location, local land use and zoning etc.</p> <p><b>Section 4</b> contains the Mine Plan.</p> <p><b>Section 4.1</b> provides basic information on project schedule, production rates and employment.</p> <p><b>Section 4.2</b> describes general development activities and the characterization of the ore and development rock</p> <p><b>Appendices C-1 through C-3</b> in Volume IA are technical reports that describe the geology of the ore body and the geotechnical analysis on the stability of the underground mine.</p> <p><b>Appendices D-1 through D-5</b> in Volumes IB and IC provide detailed technical reports on the geochemistry of the ore and development rock.).</p> <p><b>Section 4.3</b> describes in detail the surface facilities that will be constructed at the site.</p> <p><b>Appendix E</b> in Volume ID contains design calculations on the sizing of water storage basins.</p> <p><b>Section 4.4</b> describes the underground mine including mine design and layout, access ore extraction methods and development sequence.</p> <p><b>Section 4.5</b> describes the underground mining facilities needed to support the operations such as the mine dewatering and ventilation system.</p> <p><b>Section 4.6</b> describes the mine backfill plan.</p> <p><b>Section 5</b> describes the design of the temporary development rock storage area (TDRSA). This is a specific requirement contained in the Part 632 rules administered by the MDEQ. Appendices F through I in Volume ID contain engineering calculations and Construction Quality Assurance Plans for the TDRSA.</p> <p><b>Section 6</b> describes the monitoring plan that will be implemented during operations.</p> <p><b>Section 7</b> describes the reclamation plan for both the underground mine, reclamation plan for the surface facilities and the post closure monitoring plan required in the Part 632 rules.</p> <p><b>Appendix J</b> contains information on a native grass planting guide that will be used for revegetation of the reclaimed mine site.</p> <p><b>Section 8</b> describes the contingency plan required under the part 632 rules.</p> <p><b>Section 9</b> describes the financial assurance required under the Part 632 Rules.</p>

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J.1.b	<p><b>J. MINING AND RECLAMATION OPERATIONS</b>  <b>1. Mining and Reclamation Plan</b>  <b>b. Lessee shall reclaim the surface of the leased premises in accord with the approved mining and reclamation plan. The reclamation shall proceed concurrently with mine production to the extent practical and shall be completed following termination of mine operation.</b>  <b>See Section 4.3 and Section 7.</b></p>
J.1.c(1)(a)	<p><b>J. MINING AND RECLAMATION OPERATIONS</b>  <b>1. Mining and Reclamation Plan</b>  <b>c. A mining and reclamation plan for the leased premises shall be developed to insure to the maximum extent practicable that: waste areas and lean ore are located, designed and utilized to maximize aesthetic attractiveness and promote reclamation; mining is conducted in a manner which will prevent or mitigate hazardous conditions which result from slumping, heaving and subsidence; and that post mining uses of the premises are as or more valuable than the uses prior to mining. The mining and reclamation plan shall include the following:</b>  <b>(1) Accurate plan maps, with appropriate scale, and other supporting data showing:</b>  <b>(a) Location of the proposed mining operation area.</b>  <b>See Figure 2-1 and Figure 2-2.</b></p>
J.1.c(1)(b)	<p><b>J. MINING AND RECLAMATION OPERATIONS</b>  <b>1. Mining and Reclamation Plan</b>  <b>c.</b>  <b>(1)</b>  <b>(b) Lands proposed to be affected throughout the mining phase, including existing streams, lakes, wetlands and impoundments.</b>  <b>Figure 2-4 displays the land ownership and the state land that KEMC is seeking a permit to use for construction of the main surface facility. Also see Figure 4-1 (affected areas are in orange) and Figure 4-2. There are no lakes, streams or wetlands on the state land that KEMC is seeking permission to utilize under the land use permit.</b></p>

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J.1.c.(1)(c)	<p><b>J. MINING AND RECLAMATION OPERATIONS</b>  <b>1. Mining and Reclamation Plan</b>  c.  (1)  (c) <b>Description of proposed development of open pit(s) and/or underground workings including materials handling and overburden stripping plans on the leased premises.</b>  No open pits will be constructed. The underground mine is detailed in <b>Section 4.4</b>  <b>Section 4.5.</b> Also see <b>Figure 4-2</b> (surface facilities plan), <b>Figure 4-7</b> (portal), <b>Figure 4-12</b> (exhaust raise fan) and <b>Figure 4-20 through 4-33</b> (underground mine plans)</p>
J.1.c.(1)(d)	<p><b>J. MINING AND RECLAMATION OPERATIONS</b>  <b>1. Mining and Reclamation Plan</b>  c.  (1)  (d) <b>Product and raw materials storage areas and loading facilities.</b>  Ore storage is described in <b>Section 4.3.6</b> and <b>Section 5.4.</b> The TDRSA is described in the <b>Section 4.3.9</b> and <b>Section 5.2.</b>, Aggregate, fly ash and cement storage is described in <b>Section 4.3.13.</b> Ore loading is described in <b>Section 4.3.5 (8<sup>th</sup> bullet)</b> and <b>Section 4.3.7.</b></p>
J.1.c.(1)(e)	<p><b>J. MINING AND RECLAMATION OPERATIONS</b>  <b>1. Mining and Reclamation Plan</b>  c.  (1)  (e) <b>Proposed and alternative locations where feasible, and designs of waste and lean ore piles, and tailings basins.</b>  There will be no tailings basins at the site. There will be no mill at the site to generate tailings. The only storage areas that will exist at the site are those described above in item J.1.c.(1)(d). The alternatives analysis is described in the <b>EIA in Volume II, Section 4.</b></p>

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J.1.c.(1)(f)	<p><b>J. MINING AND RECLAMATION OPERATIONS</b>  <b>1. Mining and Reclamation Plan</b>  c.  (1)  (f) Existing and proposed buildings, utility corridors, railroads, roads and auxiliary facilities to be used and/or constructed on leased lands.  All buildings are proposed as new and are detailed in <b>Section 4.3.2</b> and <b>Section 4.3.3</b>. No utility corridors are proposed for this project. Utilities are described in <b>Section 4.3.11</b>. Railroad spurs are not proposed for this project. Site access and roads are detailed in <b>Section 4.3.1</b>. Transportation of ore from the site to a rail load out facility is described in <b>Section 4.3.7</b>.</p>
J.1.c.(2)	<p><b>J. MINING AND RECLAMATION OPERATIONS</b>  <b>1. Mining and Reclamation Plan</b>  c.  (2) A description of proposed reclamation of the mining operation area on the leased premises including:  The reclamation plan is provided in <b>Section 7</b>. Also see <b>Figure 7-1</b> and <b>Figure 7-2</b>.</p>
J.1.c.(2)(a)	<p><b>J. MINING AND RECLAMATION OPERATIONS</b>  <b>1. Mining and Reclamation Plan</b>  c.  (2)  (a) A description of the capacity of the land to support its anticipated use or uses following reclamation, including a discussion of the capacity of the reclaimed land to support alternative uses.  See <b>Section 7.2</b></p>

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J.1.c.(2)(b)	<p><b>J. MINING AND RECLAMATION OPERATIONS</b>  <b>1. Mining and Reclamation Plan</b>  <b>c.</b>  <b>(2)</b>  <b>(b) Provisions for grading, establishing self-sustaining re-vegetation and stabilization that will minimize erosion and sedimentation and public health and safety problems of pit banks, waste and lean ore piles, roads and tailings basins during and upon completion of the mining phase.</b>  <b>See Section 7.4.1.9,</b>  <b>Section 7.4.1.10, and</b>  <b>Section 7.4.1.11. At the end of mining activities at this site, there will be no tailings basins, material piles or waste on the leased land site.</b></p>
J.1.c.(2)(c)	<p><b>J. MINING AND RECLAMATION OPERATIONS</b>  <b>1. Mining and Reclamation Plan</b>  <b>c.</b>  <b>(2)</b>  <b>(c) Provisions for buffer areas, landscaping and screening.</b>  <b>See Section 4.3.15.</b></p>
J.1.c.(3)	<p><b>J. MINING AND RECLAMATION OPERATIONS</b>  <b>1. Mining and Reclamation Plan</b>  <b>c.</b>  <b>(3) Estimated timetables necessary for accomplishing the events contained in the mining and reclamation plan.</b>  <b>See Figure 4-4 and</b>  <b>Section 7.1.</b></p>