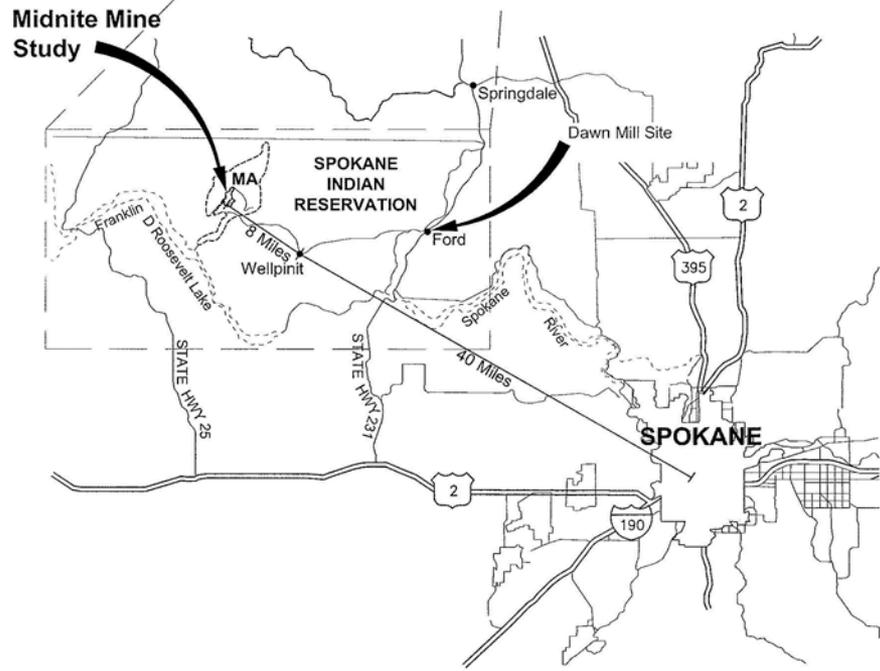
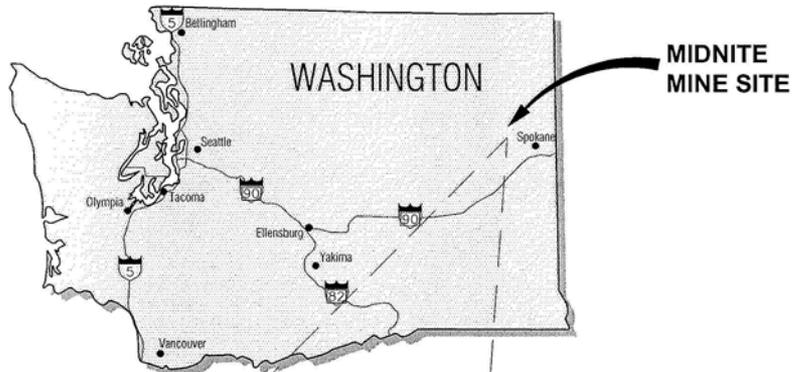


Midnite Mine – Water Treatment Plant Sludge

November 8, 2012

















Sludge Physical Characteristics

- Initially – 100 to 250 dry tons
– 350 to 850 total tons
- Long-term -10 -15 years – 1/6 initial volume
- No free water

Compliance with NRC's Alternate Feed

Criteria

- 1. Is the feed material "ore"?*
- 2. Does it contain hazardous waste?*
- 3. Is it being processed primarily for its source material content?*
- 4. Do the effects fall within the envelope of effects addressed in the existing Environmental Report(s) for the Mill?*

Is the Material Ore?

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Does It Contain Hazardous Waste?

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Does It Contain Hazardous Waste?



Does It Contain Hazardous Waste?

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Will It Be Processed Primarily for Uranium Recovery?

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Environmental Envelope

Transportation and Storage

- Shipped as Radioactive LSA-1
- Covered end-dump or side-dump haul trucks
- Average 35 trucks/yr., peak 73 trucks/yr.
 - (0.25% increase in SH 191 traffic load at peak)
- Does not leak bound moisture – no free water
- Does not pulverize when mounded (no dusting)

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Environmental Envelope

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Environmental Envelope



Environmental Envelope

Tailings Compatibility

- No components incompatible with cell liners
- All constituents are known to be or can be assumed to be already present in tailings
- Barium will precipitate with sulfate as solid

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Environmental Envelope

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Schedule

- Disposal at Dawn Millsite through 2013.
- Need disposal option April 2014
 - White Mesa Mill
- Other option
 - Install IX on site
 - Design – March 2013
 - Construct – May-Sept 2013
 - Operate April 2014