

Regulatory Overview and PCC Responsibilities

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What is an Oregon Consolidated Mining Permit?

- Required for metal mines using chemical processing
 - Does not regulate conventional placer mines
- Single application for all required Oregon state permits
- Mechanisms for coordinating permitting requirements
 - Avoid inconsistent requirements/processes
- Strict timelines for permit issuance
- Robust public notice and environmental review provisions



Why a special process for permitting these metal mines?

- History of operational and reclamation failures involving metal mines
 - Particularly mines using chemical processing, such as cyanide heap leaching
- From late 1980's to mid-1990's legislative/ballot measure fights
- No significant activity between 1995 and current application
 - Newmont Mining abandoned plans for an open pit/cyanide heap leach mine at Grassy Mountain in 1995
 - The current <u>Notice of Intent</u> was filed by Calico in 2017
 - Earlier versions starting in 2012



Calico Grassy Mountain





Oregon Chemical Process Mine Consolidated Permitting Organizational Chart Calico Resources USA Corp – Grassy Mountain

OREGON DEPT OF JUSTICE

Advises on the process

Jesse Ratcliffe

OREGON DEPT OF GEOLOGY & MINERAL INDUSTRIES

Oversees coordination of the process

Randy Jones

Bob Brinkmann

PROJECT CONSULTANTS

Cardno – Adam Bonin

Barney & Worth – Libby Barg /

Janet Gillaspie

PROJECT COORDINATING COMMITTEE (PCC)

Coordinates county, state, and federal permitting requirements to avoid contradiction and duplication

Oregon Dept of Geology & Mineral Industries (DOGAMI)

Oregon Dept of Environmental Quality (DEQ)

Oregon Water Resources Dept (WRD)

Oregon Dept of State Lands (DSL)

Oregon Dept of Fish & Wildlife (ODFW)

Oregon Dept of Agriculture (ODA)

Oregon State Historic Preservation Office (SHPO)

Oregon Dept of Land & Conservation Development (DLCD)

City of Vale • Malheur County • City of Nyssa

United States Bureau of Land Management (BLM)

United States Environmental Protection Agency (EPA)

United States Mine Safety & Health Administration (MSHA)

United States Fish & Wildlife Service (USFWS)

Tribal Nations - Burns Paiute Tribe

Regional Solutions (Eastern Oregon)

TECHNICAL REVIEW TEAM (TRT)

Establishes guidelines and coordinates with applicant in use of baseline data collection methodologies; determines compliance of proposed mining operation with requirements

DOGAMI

DEQ*

WRD

DSL

ODFW

ODA

SHPO

DLCD

BLM

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^{*}Includes Water Quality (WQ), Air Quality (AQ), Solid Waste (SW) and Laboratory (LAB) Programs

Key Roles

DOGAMI – Facilitating Agency

Project Coordinating Committee (PCC)

- Share information
- Exchange ideas
- Coordinate permitting requirements
 - Local/State/Federal/Tribal
- Avoid contradictory requirements and duplication of effort

Technical Review Team (TRT)

- Resolves conflicts in permit conditions
- Establishes baseline data methodologies; reviews baseline data
- Consults on data needed for other permits
- Determines <u>Consolidated Application</u> completeness
- Determines 'best, available, practicable and necessary technology'



- 1. Pre-Application Process
- 2. Application Process
- 3. Permit Development



- Pre-Application Process
- Notice of Intent to file an application
- Baseline Data Collection
 - TRT approves baseline data collection methodologies
 - Applicant collects baseline data
 - TRT verifies data collected as required by methodologies
- Permit Requirements identified along with any additional information needed
- Local Land Use approval



ApplicationProcess

- Consolidated Application submitted
- Completeness Determination
 - 90-day clock
- Notice to Proceed issued when applications are complete



PermitDevelopment

Environmental Evaluation

- Foreseeable Impact analysis
- Cumulative Impacts analysis
- Alternatives Analysis
- Socioeconomic Impact Analysis
 - Environmental Justice Review
- Draft permits issued
- Public review and comment on draft permit
- Final Permits issued



Permitting Status

- Notice of Intent
 - Filed February 2017
- Baseline data methodologies approved
 - Filed September 2017; approved December 2017
 - Baseline data collection underway
- Calico indicates a <u>Consolidated Application</u> is anticipated in 4Q18



Consolidated Application

- General Information
- Baseline Data
- Operating Plan
 - Variety of additional requirements
- Reclamation and Closure Plan
 - Closure cost estimate
 - Monitoring
- Alternatives Analysis



Consolidated Application (continued)

Additional permit applications for **Permitting Agencies**:

- DOGAMI
- DEQ
- WRD
- DSL (possibly)
- Oregon Health Authority (possibly)

Cooperating Agencies include requirements in DOGAMI Operating Permit:

- ODFW
- SHPO
- ODA



Application Process

- Applicant files <u>Consolidated Application</u>
 - DOGAMI transmits to TRT
 - DOGAMI publishes public notice
 - Permitting and Cooperating agencies determine whether additional permitting information is needed
 - DOGAMI holds public hearing and takes public comment on whether application is complete and sufficient for permitting
 - DOGAMI prepares response to comments
- DOGAMI and agencies determine that application is complete and issue <u>Notice to Proceed</u> (start of Application Phase)

~ or ~

- DOGAMI and agencies determine that additional information is required
- All within 90 days



County Land Use Approval

Malheur County land use permit issuance is necessary for *Consolidated Application* to be complete:

- Land Use Compatibility Statement
- Greater Sage-Grouse Plan
- Findings



Role of Federal Agencies

Statute and Rules encourage the coordination of state and federal permitting processes, including, but not limited to, the State's *Environmental Evaluation* (EE) and the federal BLM's *Environmental Impact Statement* (EIS).

Examples include:

- 1) enable/enhance EE and EIS contractor communications;
- 2) information and data sharing; and
- 3) joint bonding



Questions?

More information posted on the DOGAMI web site at: http://www.oregongeology.org/mlrr/chemicalprocess_calico-GrassyMtn.htm

To receive routine information on the project:

- e-mail <u>Calico.File@oregon.gov</u> with your contact information
 - Insert "Grassy Mt list" in re: line





Thank you!

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