

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?

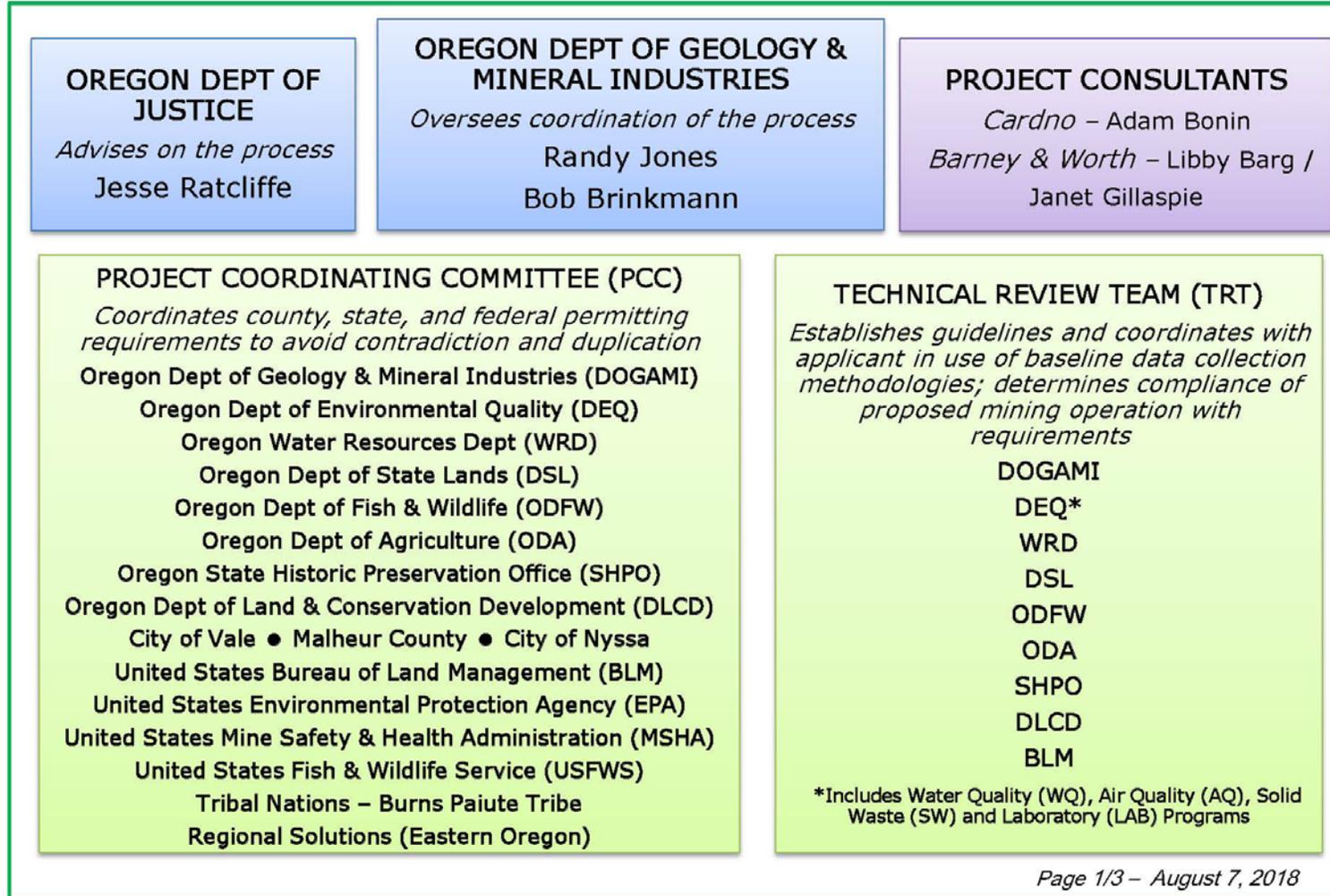
- History of operational and reclamation failures involving metal mines
 - Particularly mines using chemical processing, such as cyanide heap leaching
- From late 1980's to mid-1990's legislative/ballot measure fights
- No significant activity between 1995 and current application
 - Newmont Mining abandoned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



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 Consolidated Application completeness
- Determines '*best, available, practicable and necessary technology*'



Key Steps in the Consolidated Permit Process

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



Key Steps in the Consolidated Permit Process

• 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



Key Steps in the Consolidated Permit Process

- Application Process

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



Key Steps in the Consolidated Permit Process

- Permit Development

- **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 Consolidated Application 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 Consolidated Application
 - 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 Notice to Proceed (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



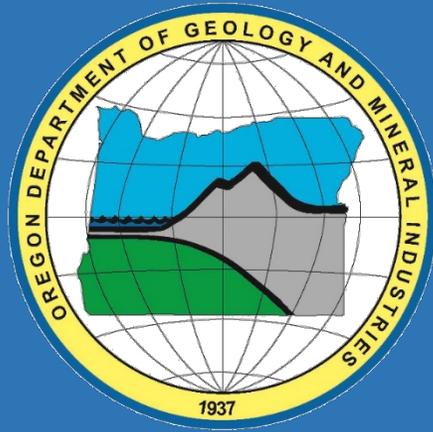
Questions?

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 Calico.File@oregon.gov with your contact information
 - Insert “*Grassy Mt list*” in *re:* line





Thank you!

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