CAL FIRE
Office of the State Fire Marshal
Pipeline Safety Division

Carbon Dioxide Pipeline Regulations

Tuan Tran, Assistant Deputy Director, Chief of Pipeline Safety

What we regulate

- Safety of over 5,300 miles of intrastate hazardous liquid transportation pipelines.
- Pipelines between the production and distribution networks in public area, including offshore pipelines.
  - Crude, gasoline, diesel, jet fuel, highly volatile liquids, ethanol, CO2

OSFM CARBON DIOXIDE PIPELINE REGULATION

SB 614

- Required OSFM to adopt CO2 Pipeline emergency regulations by July 1, 2026 that reduces the probability and consequences of failure.



Strategies for Reducing the Probability of Failure

All new material

Material toughness testing

Extra cover over buried pipelines

Internal Corrosion Monitoring Program

Annual inspections by OSFM

Strategies for Reducing the Consequences of a Failure

Leak detection (CPM and a continuous externally based LDS)

Fixed vapor detection, alarm systems

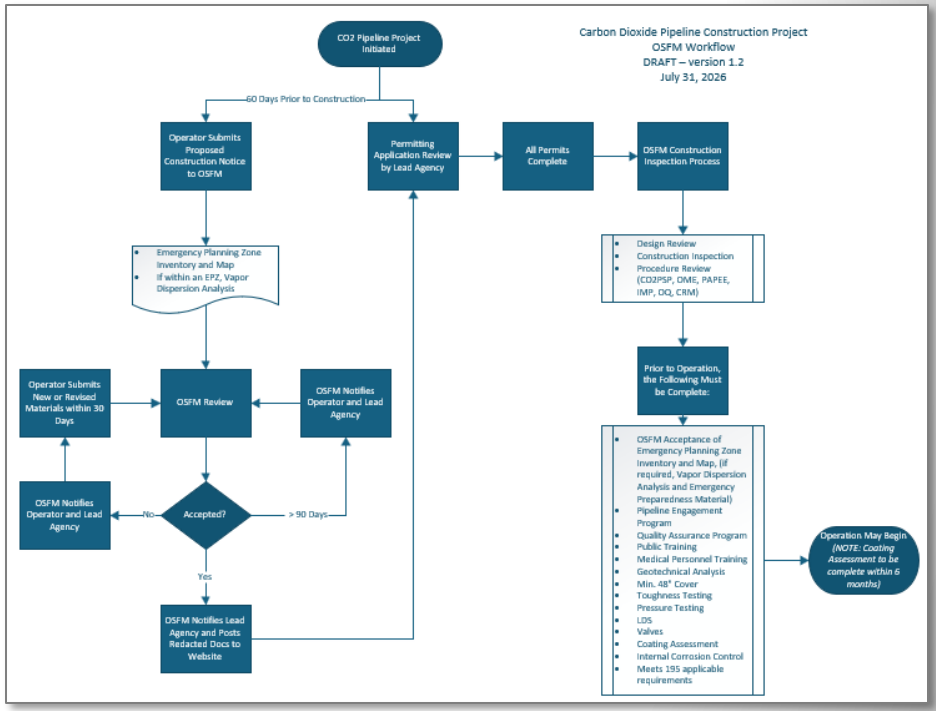
Avoid sensitive receptors

Pipeline Public Engagement Program

Emergency Response Training

OSFM Inspection Process

- Construction Notice
- Review Emergency Planning Zone Inventory and Map
- Coordinate with Lead Permitting Agency
- Conduct Construction and Safety Program Inspections



CO2 Pipeline Emergency notifications

- **Operator must immediately notify:**
  - **Local fire department and Cal-OES**
  - **Affected public**

- **Public reporting of a suspected CO2 release:**
  - **Emergency: Call 911**
  - **Cal-OES : 1-800-852-7550**

Questions?