

Requirement Summary*
Colorado Radioactive Materials License Application
In Situ Uranium Recovery

The application for a radioactive materials license is accompanied by an environmental assessment report.

Application

Description of the project

Site and project alternatives

Area/site characteristics

 Geology

 Topography

 Hydrology

 Meteorology

 Archeology

Training and Experience

Materials description

 Quantities

 Characteristics

Equipment, facilities and procedures

 Operations

 Inspections

 Radiation safety

 Response to Accidents or releases

 Air

 Ground

 Surface water

 Groundwater

 Worker exposure

 Public exposure

 Monitoring

 Baseline environmental data

 Operational environmental data

 Waste characterization and disposal

Contingency Plan

Financial assurance

Decommissioning funding plan

Decommissioning Plan

 Planned activities

 Radiation safety methods

 Radiation surveys

 Cost estimates

 Schedule

Environmental Assessment Report

Radiological and non-radiological impacts

Short term and long term environmental impacts

Environmental

Surface water

Groundwater

Soils

Air

Radon

Flora

Fauna

Economic

Social

Technical

Transportation

Infrastructure

Effects of accidents

Other

* Specific requirements are detailed in the *Colorado Radiation Control Act* and the *Colorado Rules and Regulations Pertaining to Radiation Control*. In addition, Section 18.3.1 specifies that the Department can require “such other information as the Department may deem necessary”.