The licensing chain for mining in Sweden
Main permits required for mining

1A • Exploration permit

1B • Permit for test mining

2 • Exploitation concession

3 • Environmental permit

Per G. Broman, May 2011
**Scope**

**Exploration Permit**
- Exclusive right to explore a defined area (including test mining)
- Qualifies for priority for exploitation concession
- Issued for 3 years, maximum extension up to 15 years

**Exploitation Concession**
- Exclusive right for 25 years to exploit a deposit. Can be extended.

**Environmental Permit**
- Permit to build, operate and decommission a deposit under defined conditions

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### The Process

#### Exploration license
- Issued by the Swedish Mining Inspectorate
- Workplan must be communicated to landowners/stakeholders

#### Permit for test mining
- Issued by the County Administrative Board
- Requires an EIA*. Includes a formal stakeholder consultation process.

#### Exploitation Concession
- Issued by the Swedish Mining Inspectorate
- Requires an approved EIA focusing on land use. No formal consultation process including stakeholders.

#### Environmental Permit
- Issued by the Land- and Environmental court
- Requires an approved EIA. Includes a formal stakeholder consultation process.

* EIA = Environmental Impact Assessment

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Additional legal frameworks

Plan and Building Act

Heritage Conservation Act

Ordinances, e.g.

- ...on waste from recovery operations
- ..on environmental quality standards
- ... waste
- ...on operator self monitoring

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Kallak project - licensing status September 2011

1A
- Exploration permit
  Granted for Kallak N and Kallak S

1B
- Permit for test mining
  Application planned for end of 2011

2
- Exploitation concession
  Application planned for early 2012

3
- Environmental permit
  To be planned

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EIA – Main content

Area description
Value inventories
Current land use
Planned operation
Potential impacts
Impact reducing measures
Remaining impacts
Socio economy
Concluding assessment
Concluding assessment

- Loss of values
- Generation of values

- Non economic values
- Economic values
- Compensations
KALLAK preliminary suggested land use
Kallak – Areas for survey of nature- and heritage values
EIA- Expected impacts and preventive measures

- Landscape
- Streaming water – flows and physical impacts
- Streaming water – chemistry
- Ground water
- Air
- Noice, vibrations, etc
- Nature values
- Heritage values
- Areas of national interest
- Opposing interests
- Conservation of nature resources
- Transportation
- Waste issues
- Hazards
- Socio economy
Principal EIA aspects

Areas of national interest
- Reindeer herding
- Mineral exploitation?

Present land use
- Reindeer herding
- Settlements
- Hydro power
- Hunting, fishing
- Recreation

Socio economy
- Local business structure
- Local job market
- Job generation by project

Nature values
- Terrestrial
- Aquatic

Heritage values
- Landscape level
- Single objects

Env targets, env quality norms, etc
- Water
- Landscape
- Flora, fauna
- Climate, Air, etc
Suggested environmental profile (preliminary)

- **Not critical**
  - Areas of national interest
  - Nature values

- **Decisive**
  - Present land use
  - Heritage values

- **Supportive**
  - Socio economy
  - Env targets, env quality norms, etc