



WATER

OUR COMMITMENT:

- Support the protection of herder and community water supplies and water quality in the Gunii Hooloi and Khanbogd areas
- Help improve regional community water supplies.

OUR IMPACT:

- Reduction in level of the deep Gunii Hooloi aquifer and one other aquifer used during construction of the Oyu Tolgoi to Gashuun Sukhait road
- Potential loss of regional groundwater resources due to the use of the Gunii Hooloi aquifer
- Potential impact to the quality of surface water sources and shallow groundwater
- Impact on shallow aquifers due to leaks from early exploration wells
- Reduction of water in shallow aquifers around the open pit and underground mines.

OUR PLAN:

CHOICE OF WATER SOURCE:

- Use groundwater for mine operations from aquifers deeper than those used by the herders (e.g. Gunii Hooloi).



MINIMISE WATER USE BY EFFECTIVE WATER CONSERVATION:

- Implement low/no water use technologies where practically possible (e.g. air cooled power systems)
- Use latest water conservation techniques
- Implement comprehensive water recovery and recycling techniques, so that over 80% of water is recovered and 100% of recovered water is recycled
- Use less than 20% of the discovered water available in the Gunii Hooloi aquifer over 40 years, so that the majority remains for future generations.

MONITOR:

- Implement a comprehensive monitoring programme of water usage within the Oyu Tolgoi mine site to ensure there are no impacts on local herder wells or springs outside this area
- Continue comprehensive programme of regional water monitoring (done since 2003), covering over 245 boreholes, herder wells and springs
- Continue to work with the local community and herders to implement the Participatory Environmental Monitoring Programme.

PROTECT:

- Use, store and dispose of mining-related waste to prevent impacts on water quality
- Divert and capture storm water from around plant areas within the mine site to prevent impacts on water quality
- Divert the Undai river to protect surface flows (see the Undai River Diversion factsheet for more information)
- Cap or seal wells where leakage is occurring.

WORK WITH THE COMMUNITY:

- Commit to mitigating any impact in a manner that is agreeable to the herder involved and which guarantees the provision of equivalent water quantity and quality in the event of any impact as a result of our activities
- Continue to help herders replace wells that are broken or aged (currently we are replacing 20 hand-dug wells).

SUPPORT EXPLORATION FOR NEW WATER RESOURCES:

- Continue to undertake comprehensive water investigation around the project area for potential future sources of water for Oyu Tolgoi operations
- Continue to undertake comprehensive water investigation in local *soums* to support the development of long-term water supplies for *soum* centres.

In addition, we have spent 1.7 billion MNT to help explore and investigate (through geophysical studies and investigations) new water resources for Khanbogd *soum* centre. Further tests, investigations, and modelling will take place to help develop a detailed plan for sustainable development of the water source.



For more examples and details, please see the Water Management Plan in the Environmental and Social Impact Assessment (ESIA).

The ESIA is available at www.ot.mn and in the following public locations:

- Oyu Tolgoi Offices in Khanbogd, Manlai, Bayan-Ovoo, and Dalanzadgad
- **Khanbogd:** Ceremonial House (Yosloliin Urguu)
- **Manlai:** Information Hall, Governor's Office
- **Bayan-Ovoo:** Secondary School
- **Dalanzadgad:** Central Library and the Citizen's Hall
- **Ulaanbaatar:** Oyu Tolgoi Information Centre.