



Alaska Department of Natural Resources DIVISION OF MINING, LAND AND WATER

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Project Description

The Red Dog Mine is an open pit, truck-and-loader operation using grinding and flotation processes to recover zinc and lead. The mine is located in northwestern Alaska, in the De Long Mountains of the Western Brooks Range, approximately 82 miles north of Kotzebue and 46 miles inland from the coast of the Chukchi Sea, on land owned by NANA Regional Corporation, Inc. (NANA). Access to the mine is by air.

The project is a partnership between NANA and Teck Alaska Incorporated (Teck) (the operator). The major Red Dog Mine facilities include the Red Dog Main pit, Aqqaluk pit, mill, tailings storage facility, main waste stockpile, fresh water storage reservoir, water management systems, airstrip and Personnel Accommodations Complex (PAC). Power is supplied by on-site diesel generators.

The mine has been in operation since 1989, and operates 24-hours a day, 365 days a year. In 2017 Red Dog mined 4,014,895 tonnes ore, milled 4,269,909 tonnes, and produced 542,000 tonnes refined zinc. All concentrates are exported to world markets via the DeLong Mountain Transportation System that connects the mine to port facilities on the Chukchi Sea. The majority of Red Dog employees are NANA Shareholders.

Financial Assurance

[Teck Alaska Incorporated Mining Reclamation Bond](#) PDF (8/14/2018)

Permits and Authorizations

Department of Natural Resources (DNR)

[DNR Reclamation Plan Approval \(F20169958\)](#) PDF (issued 9/28/2016)

- [2016 Consolidated Public Comments and State Responses for the draft Waste Management Permit \(No.2016DB0002\) and Reclamation Plan Approval \(F20169958\)](#) PDF (9/23/2016)

[DNR Reclamation Plan Amendment 1 Approval \(F20169958\)](#) PDF (issued 6/25/2018)

[DNR Reclamation Plan Amendment 2 Approval \(F20169958\)](#) PDF (issued 3/20/2019)

Department of Environmental Conservation (DEC)

[DEC Waste Management Permit No.2016DB0002](#) PDF (9/23/2016)

[APDES Permit No. AK0038652](#) PDF (effective 9/1/2018)

- [Permit Fact Sheet](#) PDF

[DEC Waste Management Permit No. 0132-BA002](#) PDF (12/2/2009)

[DEC 401 Certificate of Reasonable Assurance \(NPDES Permit AK-003865-2\)](#) PDF (12/15/2009)

Northwest Arctic Borough (NWAB)

[NWAB Title 9 Master Plan Permit No: 107-03-10](#) PDF (12/9/2009)


[NWAB Assembly Support Resolution](#) PDF (1/29/2010)

Support Documents


[Red Dog Mine Reclamation and Closure Plan](#)  PDF (August 2016)

- Suspension Costs Estimate (Excel Based) (available upon request)
- Closure Costs Estimate (Excel Based) (available upon request)
- Post Closure Costs Estimate (Excel Based) (available upon request)

[Red Dog Mine Reclamation and Closure Plan Amendment 1](#)  PDF (May 2018)

[Red Dog Mine Reclamation and Closure Plan Amendment 2](#)  PDF (February 2018)

[Red Dog Mine Integrated Waste Management Plan](#)  PDF (August 2016)

- [Appendix C: Waste Rock Management Plan 2018](#)  PDF (updated September 2018)

[Red Dog Mine Quality Assurance Plan August 2016](#)  PDF (August 2016)

Five-Year Environmental Audit

May 2014












[Executive Summary](#)  PDF

[Red Dog Mine Facility Audit](#)  PDF

Reports

2017 Annual Reports

[2017 Annual Report and 2017 4Q Monitoring Report](#)  PDF

- [Appendix A: Permafrost and Sub-Permafrost Ground Water Monitoring Annual Report](#)  PDF
 - [2017 Annual Data Report Long-Term Permafrost and Groundwater Monitoring Program](#)  PDF
- [Appendix B: Mine Water Monitoring Stations](#)  PDF
- [Appendix C: Mine Drainage Monitoring Stations](#)  PDF
- [Appendix D: Bons Creek Monitoring Stations](#)  PDF
- [Appendix E: APDES Monitoring Stations](#)  PDF
- [Appendix F: Waste Rock Production Summary](#)  PDF
- [Appendix G: Cover Material Stockpile Summary](#)  PDF
- [Appendix H: Red Dog One Year Mine Plan 2018](#)  PDF
- [Appendix I: Red Dog Mine Water and TDS Mass Balance](#)  PDF
- [Appendix J: Risk Management Plan Annual Report](#)  PDF (10/29/18)

Technical Reports

[Technical Report No. 19-08, Aquatic Biomonitoring at Red Dog Mine, 2018](#)

 PDF

[Technical Report No. 18-06, Aquatic Biomonitoring at Red Dog Mine, 2017](#)

 PDF

Inspection Reports

[May 30 to June 13, 2015 by ADF&G](#)  PDF

- [Cover letter](#)  PDF

[July 9-16, 2018 by ADF&G](#)  PDF

Archives

[Annual Reports and Annual Meetings](#)

[Prior Authorizations and Permits](#)

[Public Notices](#)

Links to Related State Agency Publications

Department of Environmental Conservation

[Red Dog Mine / Fugitive Dust / Division of Air Quality](#)

[Red Dog Mine / Division of Spill Prevention and Response / Contaminated Sites](#)

[Site Report: Red Dog Mine / Division of Spill Prevention and Response / Contaminated Sites](#)

Department of Fish & Game, Habitat Division

[Red Dog Mine Biomonitoring Studies](#)

Dept. of Health and Social Services, Division of Public Health

[Red Dog Mine / Heavy Metals](#)

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