Environmental Analysis and Permitting

Environmental Consulting

Tetra Tech provides technical expertise, planning, baseline data collection, and environmental analysis for mining clients during the full mine life cycle. Our environmental consulting expertise and our commitment to following the World Bank’s Equator Principles and United Nations’ Global Compact Principles contribute to project success during:

- Exploration
- Mine development and operation plans
- Changes in mine operation
- Environmental monitoring
- Reclamation plans
- Closure plans

Tetra Tech supports the planning and execution of environmental data collection, investigations, and analysis from conceptual planning, design, and construction through to the operation and maintenance phases and ultimately to closure and monitoring.

Permitting

Tetra Tech has extensive experience in coordinating and managing project permitting and in developing potential solutions to permitting issues worldwide. Our environmental permitting support specialties include:

- Air quality
- Changes in mine operation
- Coastal development
- Environmental monitoring strategies
- Exploration permitting
- Mine development and operation plans
- Project closure plans and post-closure reclamation
- Radiological aspects
- Reclamation planning
- Rivers and Harbors Act (United States)
- Solid and hazardous waste
- Threatened and endangered species
- Water rights
- Water quality (storm water, pollution, etc.)
- Wetland protection

Environmental Baseline Studies

Tetra Tech designs efforts to collect baseline environmental data to support development programs. We evaluate environmental impacts, perform environmental studies, prepare permitting applications, and monitor environmental remedies. We also manage the collection, analysis, and reporting of baseline data.

<table>
<thead>
<tr>
<th>Biological Sciences</th>
<th>Physical Sciences</th>
<th>Social Sciences</th>
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</thead>
<tbody>
<tr>
<td>Vegetation and invasive species</td>
<td>Water quality and quantity</td>
<td>Land use, recreation, and wilderness</td>
</tr>
<tr>
<td>Wildlife and fisheries resources</td>
<td>Geology and geomorphology</td>
<td>Transportation and access</td>
</tr>
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<td>Threatened, sensitive, and endangered species</td>
<td>Air</td>
<td>Visual resources management</td>
</tr>
<tr>
<td>Range and forest resources</td>
<td>Noise</td>
<td>Social and economic values</td>
</tr>
<tr>
<td>Wetlands and riparian areas</td>
<td>Hazardous materials</td>
<td>Cultural and historic resources</td>
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We also provide baseline data storage solutions so that such data are easy to retrieve and use in studies and analyses. The GIS-based databases comprise extensive physical, chemical, and biological data collected across various media, including ground and surface water, soil, and air.
Tetra Tech is a leading provider of consulting, engineering, program management, construction management, and technical services. The Company supports government and commercial clients by providing innovative solutions to complex problems focused on water, environment, energy, infrastructure, and resource management. With 13,000 employees worldwide, Tetra Tech’s capabilities span the entire project life cycle.

Environmental Analysis

Tetra Tech has successfully completed hundreds of environmental impact statements (EISs), environmental assessments (EAs), and social impact assessments (SIAs). We have provided strategic advice on managing environmental analysis and technical assistance, while adhering to the World Bank’s Equator Principles and United Nations’ Global Compact corporate citizenship and sustainability initiative for new and expanding operations, as well as coordinating and managing implications for project development. Tetra Tech also provides expertise in strategizing potential solutions to socioeconomic impacts.

Tetra Tech has the experience needed to provide guidance and to manage multidisciplinary efforts to produce complete, compliant, and successful EISs, EAs, and SIAs.

Local Consultation and Public Engagement

In addition to a formal regulatory approval, a “social license” to operate from affected communities is increasingly important to project success. Tetra Tech works with clients to identify and form positive working relationships with communities through participatory processes that seek to mitigate risks, establish baselines for development, and build strategic partnerships. Tetra Tech has almost 50 years of experience providing international sustainability services that can be tailored to client needs throughout the life cycle of a mine.

More than one-third of Tetra Tech’s employees directly support environmental studies and planning:
- 1000+ Field technicians
- 400+ Environmental engineers
- 250+ Environmental scientists
- 400+ Geologists
- 340+ Biologists and ecologists
- 280+ Soil specialists
- 200+ Health and safety
- 190+ Hydrologists
- 180+ GIS specialists
- 140+ Training professionals
- 100+ Chemists
- 100+ Hydrologists
- 60+ Air quality specialists
- 30+ Community relations
- 30+ Toxicologists
- 25+ Archaeologists

Corporate Headquarters
3475 East Foothill Boulevard
Pasadena, California 91107-6024 USA
Phone +1 (626) 351-4664
mining@tetratech.com

Tetra Tech Mining & Minerals
Australia
Perth, Western Australia
Belo Horizonte, Minas Gerais State
Vancouver, British Columbia
Toronto, Ontario
Santiago, Santiago Province
Swindon, Wiltshire
Golden, Colorado

Ranked #1 in Environmental Consulting and Studies and in Environmental Management by Engineering News-Record. Ranked #2 in Environmental Sciences.