



Statement of Qualification



PT LORAX
INDONESIA

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Corporate Profile

Lorax Environmental Services Limited, based in Vancouver Canada, is a privately-owned, environmental consulting company that provides leading-edge environmental, geochemical, and project management services to the mining industry, oil and gas industry, and regulatory community. Lorax has been in operation for the past 18 years and throughout that period our corporate goal has been to provide the highest caliber environmental services in the most cost-effective and timely manner and, where appropriate, implement innovative techniques and approaches to address the environmental issues faced by our clients. Lorax has been working on environmental aspects of several mining projects in Indonesia since 2001.

In 2011, Lorax Environmental and PT Tridaya Advisory formed PT Lorax Indonesia, a Joint Venture Company, established under the laws of the Republic of Indonesia. PT Lorax Indonesia is registered as a Service Provider at the Ministry of Energy and Mineral Resources and hosts a team of extremely qualified and experienced professionals capable of designing, conducting, and managing environmental projects during all phases of resource development and related remedial activities. PT Lorax's team is both highly technical and grounded in practicality. The practical experience of Lorax scientists is supplemented by our close association with academic institutions and the private sector. Our academic associates are respected Indonesian experts from the fields of geochemistry, oceanography and biology and provide high-end scientific input to our projects. This approach benefits our clients in gaining regulatory approval for their environmental projects by establishing a high degree of credibility.

PT Lorax Indonesia's expertise has been utilized on projects on the Islands of Sumatera, Java, Batam, Kalimantan, Sumbawa, Sulawesi, Halmahera and Papua. These have included environmental and social baseline studies, environmental and social impact studies (AMDAL & UKL/UPL), mine closure and reclamation planning, hydrology and hydrogeology assessments, acid rock drainage assessment and waste management planning, pit lake modeling and mine water management, ecology and ecotoxicology assessments and audits and due diligence projects. Lorax provides these services to some of Indonesia's major resource development companies including: Newmont Minahasa Raya, Newmont Nusa Tenggara, Newmont Pacific Nusantara, Newmont Horas Nauli (now g-Resources), BHP-Billiton, Indika Indonesia Resources, Sorikmas Mining, Bumi Suksesindo, MEDCO Power, Saratoga Capital and Falcon House Management. Lorax is also on the International Finance Corporation (IFC) preferred list of Indonesian consultants for conducting environmental and social work for IFC's clients.



PT Lorax Services

PT Lorax Indonesia services to the mining industry are summarized below. PT Lorax utilizes its core team in Jakarta to complete projects, supplemented by experts from Lorax Canada, as necessary. PT Lorax's high quality reports are provided in English and/or Bahasa Indonesia, depending on our clients' requirements.

- ⊕ Acid rock drainage and metal leaching assessments
- ⊕ Aquatic toxicology and biological monitoring assessment
- ⊕ Assimilative capacity studies
- ⊕ Ecology and ecotoxicology
- ⊕ Environmental effects and ecological risk assessment
- ⊕ Environmental and social baseline studies and impact assessments
- ⊕ Environmental and social management and monitoring plans
- ⊕ Audits and due diligence
- ⊕ Geochemical, contaminant, and sub-aqueous tailings fate modeling
- ⊕ Trace metal and nutrient cycling and dynamics in water and sediments
- ⊕ Submarine tailings placement
- ⊕ On-land tailings management and assessment
- ⊕ Hydrology and water balance calculations
- ⊕ Mine water management
- ⊕ Limnology and pit lake modeling, assessment and management
- ⊕ Physical, geochemical and biological oceanography
- ⊕ Mine closure planning
- ⊕ Mine site reclamation and rehabilitation
- ⊕ Project permitting