

Technical Information Sheet

1. Name of technology	Soil and groundwater pollution investigate and remediation for hazardous waste
2. Type of technology	There are many cases where factories and plants cause soil and groundwater pollution due to inappropriate handling of waste, including hazardous waste. This technology is to purify this pollution through physical and organic methods, and prevent it affecting human health and the environment.
3. Description of technology	
Objective, application, characteristics, delivery record, and price of technology	<p>[Objective and application of technology]</p> <p>There are many number of cases where the inappropriate handling or treatment by plants of hazardous materials contained in waste causes soil and groundwater pollution. Soil and groundwater pollution investigates and remediation must be performed properly in consideration of the damage to the environment around an operating plant or the redevelopment of a discontinued plant, etc. The DOWA Group has class-leading technologies and delivery records on soil and groundwater pollution investigates and remediation in Japan.</p> <p>[Characteristics of technology]</p> <p>First, the appropriate investigation is performed for the soil and groundwater pollution. There are two methods to purify pollution: excavating and removing polluted soil before treatment, or treating the soil at the site or in situ. There are a number of appropriate treatment methods, depending on the polluted material. These include soil washing for heavy metal pollution, iron powder treatment for VOC (volatile organic compound), low-temperature heat treatment, bio-treatment (bioremediation) for oil pollution, as well as incineration and final disposal, which are also used for waste.</p> <p>[Major delivery records]</p> <p>China: Polluted soil was excavated and removed at a parts-related plant</p> <p>Taiwan: Soil and groundwater pollution was purified in a precision equipment plant.</p> <p>[Price and other inquiries]</p> <p>Please contact us for each case.</p>
4. Classification of technology	
(1) Applicable fields	Other environment protection technology (soil remediation)
(2) Target waste	Other (polluted soil)
(3) Services provided	Consulting, Investigation/data processing, Other (remediation processing)
5. Countries to which this technology can be provided	China, Taiwan, Singapore, or any other country
6. Keywords	Soil pollution, groundwater pollution, investigation, remediation, soil washing, bioremediation, iron powder, incineration, final disposal, environmental consulting
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