

# Soil and Groundwater Surveys and Cleanup Measures

As well as strictly complying with laws, we have established internal company rules regarding soil and groundwater and are advancing voluntary efforts and actively disclosing relevant information.

## Responding to Soil and Groundwater Pollution

We have reviewed our internal rules established in response to soil and groundwater problems in fiscal 2006 and established new rules concerning soil and groundwater surveys, policies, and disclosure. In future, as well as disclosing information in collaboration with government authorities based on these rules, we will perform planned surveys and implement cleanup operations if pollution is discovered.

### Fiscal 2006 Soil and Groundwater Surveys and Status of Response Measures

In fiscal 2006, we took the promotion of land sales plans at five business locations, the demolition of certain buildings, and other such events as opportunities to carry out soil and groundwater surveys and implement cleanup measures. The status of the surveys and response measures for each business location are listed below.

We also reported on pollution conditions and planned measures to residents in the vicinity of the former Minami Tama Plant, Oyama Plant, Suzaka Plant, Shin-Etsu Fujitsu, Ltd., PFU Limited, and Kamudokoro employee dormitory.

- **Oyama Plant (Oyama City, Tochigi Prefecture)**

VOC and heavy metal pollution had been found in an earlier survey and we implemented continuous monitoring of groundwater as well as cleanup measures (including excavation and removal of insolubilized cyanogens). To study new measures, we also are carrying out surveys of soil and groundwater over the whole site.

- **Tojyou Annex, Oyama Plant (Oyama City, Tochigi Prefecture)**

We completed excavation and removal of soil contaminated with incinerator ash.

- **Suzaka Plant (Suzaka City, Nagano Prefecture)**

VOC, heavy metal, pesticide and other soil contamination was found by a soil and groundwater survey associated with building demolition. Since PCB groundwater contamination was discovered, we performed groundwater surveys of wells downstream from the places where contamination was found, including downstream areas outside the plant site, and found no dispersal of the contamination. We will implement cleanup measures in the future for the places where contamination was found.

- **Idle Land at PFU Limited's Minami Hakui Site (Hakui City, Ishikawa Prefecture)**

We implemented a detailed survey in association with cleanup work for fluorine contamination and are carrying out cleanup measures that we started in January 2007.

- **Fujitsu Gohchi Employee Dormitory (Kawasaki City, Kanagawa Prefecture)**

Since we found heavy metal soil contamination as a result of the soil and groundwater survey associated with dormitory demolition, we are now excavating and removing the contaminated soil. Contamination was not found in the groundwater survey.

### Groundwater Conditions

This section lists the maximum of the latest chemical substance measurement values through the end of March 2007 for monitoring wells used to monitor the influence of groundwater contamination on areas outside business locations where soil or groundwater contamination has been found and where measurement values exceeded legal limits during fiscal 2006.

Business Site Name	Locations	Cleanup Status	Maximum monitor well value (mg/ℓ)		Regulated value (mg/ℓ)
			Substance	Measured value	
Kawasaki Main Office	Kawasaki, Kanagawa Prefecture	VOC cleanup by pumping and aeration continues.	cis-1,2-dichloroethylene	0.585	0.04
			Arsenic	0.018 <sup>*1</sup>	0.01
Former Minami Tama Plant	Inagi City, Tokyo	Cleanup by in-situ powdered iron mixture method for the whole site is in progress.	Tetrachloroethylene	0.272 <sup>*2</sup>	0.01
			cis-1,2-dichloroethylene	0.574 <sup>*2</sup>	0.04
Oyama Plant	Oyama City, Tochigi Prefecture	VOC cleanup by pumping and aeration continues, removal of heavy metals is in progress.	Trichloroethylene	1.917	0.03
			cis-1,2-dichloroethylene	6.24	0.04
			Cyanogens	0.2	Must not be detected
Suzaka Plant	Suzaka City, Nagano Prefecture	Cleanup measures have been implemented since June 2007.	PCBs	0.0012	Must not be detected
Shin-Etsu Fujitsu, Ltd.	Shinano machi, Kamimino chiben, Nagano Prefecture	VOC cleanup by pumping and aeration continues	cis-1,2-dichloroethylene	0.077	0.04

\*1 With regard to the arsenic at the Kawasaki Main Office, since there is no history of usage of the substance in the vicinity of the monitor well at which the maximum value was detected, we are investigating whether it is of natural origin.

\*2 At the former Minami Tama Plant, we have installed pumping wells at the current boundaries of the site and are implementing measures to prevent the spread of groundwater contamination outside the site. At the same time, we are also implementing cleanup operations over the whole site. Since operation of the monitor wells was interrupted temporarily due to these operations, the values shown here are those that exceeded standards from last year's report.

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