



Environmental Activities in All Phases of Business

Activities Related to Service Stations

Inventory Management Support for Storage Tanks

Routine inventory management is an effective means of rapidly detecting and halting leaks from storage tanks.

Showa Shell service stations can use personal computers for the quick inventory control of certain specific tanks. The company has created a digital form with Microsoft Excel for recording safety inspections of service station facilities and equipment. Calculations are automatically made after the required data are entered. An upgraded 2006 version is now being offered, for more accurate detection of irregularities. It was distributed to service stations at the end of March 2006,



together with the existing hard copy of the safety inspection record sheets.



Earthquake Response System

Showa Shell has established an earthquake response system for service stations. Should an earthquake occur, service stations are to use the Earthquake Response Manual and checklists they have in place to inspect their premises and equipment for damage. If the intensity of the earthquake is five or greater (on the Japanese scale), the service stations in the area are required to report the results of these inspections to the Showa Shell branch.

If the report indicates a possibility of a problem at a service station, Showa Shell will dispatch personnel to conduct an exacting inspection of its facilities.



Characteristics of the UPP Flexible Pipe: Because it is made of high-density polyethylene, UPP piping does not corrode or conduct electricity. It is highly pressure-resistant and displays superior resistance to earthquakes and ground subsidence. Since the pipe is joined using electrofusion, it offers dramatic improvements in construction accuracy and reliability. Another attractive feature of UPP piping is its low cost.

UPP System Mediation Support

To stop leakage from underground pipes due to corrosion, Showa Shell service stations adopted UPP system piping in 2001 in Japan. The piping is now installed at more than 140 Showa Shell service stations.

UPP piping is a product of Petrotechnics, Ltd., of England. It is a cutting-edge underground piping system that uses polyethylene resin pipes, which, unlike steel pipes, do not corrode. Through an international materials contract, the Shell Group is supplying this pipe to its service stations around the world.



Environmental Protection Equipment

Among the products handled by the company's service stations, and the waste they generate, are those that carry a risk of increasing environmental impact if not handled correctly. There is a need, therefore, to exercise caution. In addition, recent years have seen the development of a legal system intent on preventing environmental pollution in Japan, Showa Shell offers to service stations environmental protection equipment that is responsive to the legal system and to environmental protection, that is conscious of risk to human health, and reduces the volume of waste generated.

Spill and Pollution Response Support

Shoseki Engineering provides support for response to and elimination of oil pollution problems that can arise at service stations and other petroleum product supply facilities. Shoseki Engineering has one of the best oil-pollution response track records in the industry and protects soil and underground water quality with integrated consulting services that span the

gamut from testing to decontamination. In addition, upon testing and decontamination at service stations, Shoseki Engineering provides consulting on application for government grants (business related to the prevention of soil contamination and business related to the detection of soil contamination) and reporting.



Using detector tubes.



Taking core samples.



Decontamination work.