

## XVI-1 Report on radiation management, etc. involved in nuclear facilities

### XVI-1-1 Report on radiation management, etc. in the first half

We received the report on radiation management, etc. in nuclear facilities in the first half of FY2007, and we hereby release it according to the provision in Section 2 of Article 72-3 of the “Law for the Regulation of Nuclear Source Material, Nuclear Fuel Material and Reactors.”

[Mean and maximum values of the concentration of radioactive materials for three months]

The mean concentration limits of gaseous radioactive waste outside environmental monitoring areas of nuclear reactor facilities, fabrication facilities, reprocessing facilities, and waste management facilities, and liquid radioactive waste from nuclear reactor facilities, fabrication facilities, and waste management facilities for three months are specified by the Law; the Safety Regulations prescribe that licensees should control these concentrations under the specified values. In the first half of FY2007, the data was under the concentration limits specified by the Law in these nuclear facilities; it was verified that the Safety Regulations were observed.

[Mean, maximum, and total values of the quantity of radioactive materials discharged from reprocessing facilities to the sea for three months]

The dose limits of radioactive materials discharged from reprocessing facilities to the sea for three months are specified by the Law; the Safety Regulations prescribe that licensees should control these doses under the specified values. In the first half of FY2007, the data was under the dose limits specified by the Law in these reprocessing facilities; it was verified that the Safety Regulations were observed.

[Mean and maximum values of the concentration of radioactive materials in groundwater in environmental monitoring areas of waste burial facilities for three months]

The mean concentration limits of radioactive materials in water outside environmental monitoring areas of waste burial facilities for three months are specified by the Law; the Safety Regulations prescribe that licensees should control these concentrations under the specified values. In the first half of FY2007, the data was under the concentration limits specified by the Law in these waste burial facilities; it was verified that the Safety Regulations were observed.

[Dose of female radiation workers for three months]

It was verified that the effective dose of female radiation workers in the first half of FY2007 was under the dose limit specified by the Law (5 mSv for three months) in all nuclear facilities.

[Operating time and thermal power of nuclear reactor facilities]

Operating time and thermal power of nuclear reactor facilities in the first half of FY2007 are shown in the appendix.