

## Reference document 4: Release of Tritium in Liquid Waste by Fiscal Year

## (1) Commercial Nuclear Power Reactor Facilities

(Unit: Bq)

Fiscal Year Power station	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Hokkaido Electric Power Co., Inc. Tomari Power Station	<sup>13</sup> 2.6×10	<sup>13</sup> 2.4×10	<sup>13</sup> 3.3×10	<sup>13</sup> 3.1×10	<sup>13</sup> 2.9×10	<sup>13</sup> 2.2×10	<sup>13</sup> 1.9×10	<sup>13</sup> 3.1×10	<sup>13</sup> 2.9×10	<sup>13</sup> 2.7×10
Tohoku Electric Power Co., Inc. Onagawa Nuclear Power Station	<sup>10</sup> 2.5×10	<sup>10</sup> 6.2×10	<sup>10</sup> 9.0×10	<sup>10</sup> 6.2×10	<sup>10</sup> 7.9×10	<sup>9</sup> 5.6×10	<sup>8</sup> 8.0×10	<sup>9</sup> 2.1×10	<sup>9</sup> 5.4×10	<sup>9</sup> 5.1×10
Tohoku Electric Power Co., Inc. Higashidori Nuclear Power Station	-	-	-	-	-	-	<sup>8</sup> 9.4×10	<sup>10</sup> 3.9×10	<sup>10</sup> 3.4×10	<sup>10</sup> 5.3×10
Tokyo Electric Power Co., Inc. Fukushima Daiichi Nuclear Power Station	<sup>12</sup> 2.1×10	<sup>12</sup> 1.4×10	<sup>12</sup> 2.0×10	<sup>12</sup> 1.4×10	<sup>11</sup> 7.8×10	<sup>12</sup> 1.4×10	<sup>12</sup> 1.0×10	<sup>12</sup> 1.3×10	<sup>12</sup> 2.6×10	<sup>12</sup> 1.4×10
Tokyo Electric Power Co., Inc. Fukushima Daini Nuclear Power Station	<sup>11</sup> 6.9×10	<sup>11</sup> 6.2×10	<sup>11</sup> 7.6×10	<sup>12</sup> 1.3×10	<sup>11</sup> 9.1×10	<sup>11</sup> 3.8×10	<sup>11</sup> 3.5×10	<sup>11</sup> 9.6×10	<sup>11</sup> 6.6×10	<sup>11</sup> 7.3×10
Tokyo Electric Power Co., Inc. Kashiwazaki-Kariwa Nuclear Power Station	<sup>11</sup> 4.5×10	<sup>11</sup> 9.3×10	<sup>11</sup> 9.6×10	<sup>11</sup> 4.1×10	<sup>11</sup> 1.2×10	<sup>11</sup> 8.5×10	<sup>11</sup> 4.9×10	<sup>11</sup> 8.1×10	<sup>11</sup> 8.8×10	<sup>11</sup> 8.8×10
Chubu Electric Power Co., Inc. Hamaoka Nuclear Power Station	<sup>12</sup> 1.3×10	<sup>11</sup> 9.4×10	<sup>11</sup> 6.1×10	<sup>11</sup> 6.2×10	<sup>11</sup> 7.5×10	<sup>11</sup> 5.9×10	<sup>11</sup> 4.6×10	<sup>11</sup> 7.5×10	<sup>11</sup> 6.8×10	<sup>11</sup> 6.0×10
Hokuriku Electric Power Co. Shika Nuclear Power Station	<sup>9</sup> 3.3×10	<sup>11</sup> 1.6×10	<sup>11</sup> 1.6×10	<sup>11</sup> 1.8×10	<sup>10</sup> 6.5×10	<sup>11</sup> 2.2×10	<sup>11</sup> 1.2×10	<sup>11</sup> 1.8×10	<sup>11</sup> 1.8×10	<sup>10</sup> 2.5×10
Kansai Electric Power Co., Inc. Mihama Power Station	<sup>13</sup> 1.6×10	<sup>13</sup> 2.0×10	<sup>13</sup> 2.1×10	<sup>13</sup> 1.7×10	<sup>13</sup> 1.8×10	<sup>13</sup> 2.3×10	<sup>13</sup> 1.6×10	<sup>13</sup> 1.5×10	<sup>13</sup> 1.4×10	<sup>13</sup> 2.0×10
Kansai Electric Power Co., Inc. Takahama Power Station	<sup>13</sup> 6.2×10	<sup>13</sup> 7.1×10	<sup>13</sup> 4.1×10	<sup>13</sup> 5.3×10	<sup>13</sup> 6.3×10	<sup>13</sup> 5.9×10	<sup>13</sup> 6.3×10	<sup>13</sup> 6.9×10	<sup>13</sup> 6.8×10	<sup>13</sup> 6.0×10
Kansai Electric Power Co., Inc. Ohi Power Station	<sup>13</sup> 5.7×10	<sup>13</sup> 6.9×10	<sup>13</sup> 6.6×10	<sup>14</sup> 1.3×10	<sup>13</sup> 6.4×10	<sup>13</sup> 9.0×10	<sup>13</sup> 9.8×10	<sup>13</sup> 6.6×10	<sup>13</sup> 7.7×10	<sup>13</sup> 8.9×10
Chugoku Electric Power Co., Inc. Shimane Nuclear Power Station	<sup>11</sup> 3.1×10	<sup>11</sup> 3.7×10	<sup>11</sup> 6.0×10	<sup>11</sup> 5.2×10	<sup>11</sup> 3.6×10	<sup>11</sup> 5.2×10	<sup>11</sup> 6.3×10	<sup>11</sup> 6.3×10	<sup>11</sup> 3.0×10	<sup>11</sup> 6.6×10
Shikoku Electric Power Co., Inc. Ikata Power Station	<sup>13</sup> 5.5×10	<sup>13</sup> 4.8×10	<sup>13</sup> 5.5×10	<sup>13</sup> 4.7×10	<sup>13</sup> 5.2×10	<sup>13</sup> 5.4×10	<sup>13</sup> 6.8×10	<sup>13</sup> 5.3×10	<sup>13</sup> 4.6×10	<sup>13</sup> 6.6×10
Kyushu Electric Power Co., Inc. Genkai Nuclear Power Station	<sup>13</sup> 9.5×10	<sup>13</sup> 7.7×10	<sup>13</sup> 7.5×10	<sup>13</sup> 6.0×10	<sup>13</sup> 9.1×10	<sup>13</sup> 9.5×10	<sup>13</sup> 7.3×10	<sup>13</sup> 7.4×10	<sup>13</sup> 9.9×10	<sup>13</sup> 8.6×10
Kyushu Electric Power Co., Inc. Sendai Nuclear Power Station	<sup>13</sup> 3.3×10	<sup>13</sup> 3.5×10	<sup>13</sup> 4.3×10	<sup>13</sup> 4.2×10	<sup>13</sup> 3.2×10	<sup>13</sup> 3.8×10	<sup>13</sup> 5.1×10	<sup>13</sup> 4.8×10	<sup>13</sup> 3.5×10	<sup>13</sup> 3.8×10
Japan Atomic Power Company Tokai Power Station	<sup>10</sup> 1.2×10	<sup>9</sup> 6.4×10	<sup>9</sup> 9.5×10	<sup>9</sup> 5.0×10	<sup>10</sup> 6.5×10	<sup>6</sup> 3.7×10	N.D.	<sup>8</sup> 4.1×10	<sup>8</sup> 2.0×10	<sup>9</sup> 1.0×10
Japan Atomic Power Company Tokai Daini Power Station	<sup>12</sup> 1.0×10	<sup>11</sup> 9.1×10	<sup>11</sup> 6.4×10	<sup>11</sup> 6.3×10	<sup>11</sup> 8.6×10	<sup>11</sup> 8.5×10	<sup>11</sup> 6.1×10	<sup>11</sup> 7.4×10	<sup>11</sup> 6.2×10	<sup>11</sup> 5.8×10
Japan Atomic Power Company Tsuruga Power Station	<sup>13</sup> 2.0×10	<sup>13</sup> 1.1×10	<sup>13</sup> 1.4×10	<sup>13</sup> 1.0×10	<sup>13</sup> 1.4×10	<sup>13</sup> 2.2×10	<sup>13</sup> 2.6×10	<sup>12</sup> 9.2×10	<sup>13</sup> 1.5×10	<sup>13</sup> 1.3×10
Total	<sup>14</sup> 3.7×10	<sup>14</sup> 3.6×10	<sup>14</sup> 3.5×10	<sup>14</sup> 4.0×10	<sup>14</sup> 3.7×10	<sup>14</sup> 4.1×10	<sup>14</sup> 4.2×10	<sup>14</sup> 3.7×10	<sup>14</sup> 3.9×10	<sup>14</sup> 4.0×10

Note: Including release of tritium from the secondary system of the pressured water reactor power stations.

\*1 Including radioactivity released out of controlled areas through the mixing of water of the condensate water makeup system into the station steam system and the reactor auxiliary cooling system of Unit 1.