## Evaluation results of temporary storage tanks used in the pumping up operation of pump wells for groundwater bypass

## <Reference> July 2, 2014 Tokyo Electric

(Ba/L)

<Tritium concentration of each pump>

Concentration of Tritium (Bq/L)         No. 1         No. 2         No. 3         No. 4         No. 5         No. 6         No. 7         No. 8         No. 9         No. 10         No. 11         No. 12           May 19 (Mon.) and May 22 (Thu), in 2014         4.6         32         30         110         7.7         170         190         80         70         230         160         1100           May 26, 2014 (Mon.) *         4.6         11         30         25         7.7         130         190         81         70         200         160         1700           [1] May 29, 2014 (Thu.) *         6.6         16         16         31         14         90         94         81         68         200         150         1700           [2] June 2, 2014 (Mon.) *         6.6         16         10         31         15         90         95         73         67         120         400         1700           [3] June 5, 2014 (Thu.) *         3.8         21         10         47         15         97         95         83         67         110         400         1700           [5] June 12, 2014 (Thu.) *         5.2         21         9.9         44 <t< th=""><th></th><th>pamp,</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>		pamp,											
(Thu), in 2014       4.6       32       30       110       7.7       170       190       80       70       230       160       1100         May 26, 2014 (Mon.) *       4.6       11       30       25       7.7       130       190       81       70       200       160       1700         [1] May 29, 2014 (Mon.) *       6.6       11       16       25       14       130       94       81       68       200       150       1700         [2] June 2, 2014 (Mon.) *       6.6       16       16       31       14       90       94       81       68       200       150       1700         [3] June 5, 2014 (Mon.) *       3.8       16       10       31       15       90       95       73       67       120       400       1700         [4] June 9, 2014 (Mon.) *       3.8       21       10       47       15       97       95       83       67       110       400       1700         [5] June 12, 2014 (Mon.) *       5.2       21       9.9       47       22       97       97       83       76       110       530       2000         [6] June 16, 2014 (Mon.) *       5.2		No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	No. 11	No. 12
[1] May 29, 2014 (Thu.)*       6.6       11       16       25       14       130       94       81       68       200       150       1700         [2] June 2, 2014 (Mon.)*       6.6       16       16       31       14       90       94       73       68       120       150       1500         [3] June 5, 2014 (Thu.)*       3.8       16       10       31       15       90       95       73       67       120       400       1700         [4] June 9, 2014 (Mon.) *       3.8       16       10       31       15       97       95       83       67       110       400       1700         [5] June 12, 2014 (Thu.) *       5.2       21       9.9       47       22       97       97       83       76       110       530       1500         [6] June 16, 2014 (Mon.) *       5.2       12       9.9       44       22       110       97       79       76       110       530       2000         [7] June 19, 2014 (Thu.) *       3.9       12       12       44       25       110       110       79       74       110       460       1800         [8] June 23, 2014 (Mon.) *		4.6	32	30	110	7.7	170	190	80	70	230	160	1100
[2] June 2, 2014 (Mon.)*       6.6       16       16       31       14       90       94       73       68       120       150       1500         [3] June 5, 2014 (Thu.)*       3.8       16       10       31       15       90       95       73       67       120       400       1700         [4] June 9, 2014 (Mon.) *       3.8       21       10       47       15       97       95       83       67       110       400       1700         [5] June 12, 2014 (Thu.) *       5.2       21       9.9       47       22       97       97       83       76       110       530       1500         [6] June 16, 2014 (Mon.)*       5.2       12       9.9       44       22       110       97       79       76       110       530       2000         [7] June 19, 2014 (Thu.) *       3.9       12       12       44       25       110       170       74       110       460       1800         [8] June 23, 2014 (Mon.) *       3.9       13       12       43       25       94       110       92       74       110       460       2100         [9] June 26, 2014 (Thu.)*       3.4 <td< td=""><td>May 26, 2014 (Mon.) *</td><td>4.6</td><td>11</td><td>30</td><td>25</td><td>7.7</td><td>130</td><td>190</td><td>81</td><td>70</td><td>200</td><td>160</td><td>1700</td></td<>	May 26, 2014 (Mon.) *	4.6	11	30	25	7.7	130	190	81	70	200	160	1700
[3] June 5, 2014 (Thu.)*       3.8       16       10       31       15       90       95       73       67       120       400       1700         [4] June 9, 2014 (Mon.) *       3.8       21       10       47       15       97       95       83       67       110       400       1700         [5] June 12, 2014 (Thu.) *       5.2       21       9.9       47       22       97       97       83       76       110       530       1500         [6] June 16, 2014 (Mon.) *       5.2       12       9.9       44       22       110       97       79       76       110       530       2000         [7] June 19, 2014 (Thu.) *       3.9       12       12       44       25       110       110       79       74       110       460       1800         [8] June 23, 2014 (Mon.) *       3.9       13       12       43       25       94       110       92       74       110       460       2100         [9] June 26, 2014 (Thu.)*       3.4       13       18       43       33       94       110       92       81       110       360       1500	[1] May 29, 2014 (Thu.)*	6.6	11	16	25	14	130	94	81	68	200	150	1700
[4] June 9, 2014 (Mon.) *3.821104715979583671104001700[5] June 12, 2014 (Thu.) *5.2219.94722979783761105301500[6] June 16, 2014 (Mon.) *5.2129.944221109779761105302000[7] June 19, 2014 (Thu.) *3.91212442511011079741104601800[8] June 23, 2014 (Mon.) *3.9131243259411092741104602100[9] June 26, 2014 (Thu.) *3.4131843339411092811103601500	[2] June 2, 2014 (Mon.)*	6.6	16	16	31	14	90	94	73	68	120	150	1500
[5] June 12, 2014 (Thu.) *5.2219.94722979783761105301500[6] June 16, 2014 (Mon.) *5.2129.944221109779761105302000[7] June 19, 2014 (Thu.) *3.91212442511011079741104601800[8] June 23, 2014 (Mon.) *3.9131243259411092741104602100[9] June 26, 2014 (Thu.) *3.4131843339411092811103601500	[3] June 5, 2014 (Thu.)*	3.8	16	10	31	15	90	95	73	67	120	400	1700
[6] June 16, 2014 (Mon.)*5.2129.944221109779761105302000[7] June 19, 2014 (Thu.) *3.91212442511011079741104601800[8] June 23, 2014 (Mon.) *3.9131243259411092741104602100[9] June 26, 2014 (Thu.)*3.4131843339411092811103601500	[4] June 9, 2014 (Mon.) *	3.8	21	10	47	15	97	95	83	67	110	400	1700
[7] June 19, 2014 (Thu.) *       3.9       12       12       44       25       110       110       79       74       110       460       1800         [8] June 23, 2014 (Mon.) *       3.9       13       12       43       25       94       110       92       74       110       460       2100         [9] June 26, 2014 (Thu.) *       3.4       13       18       43       33       94       110       92       81       110       360       1500	[5] June 12, 2014 (Thu.) *	5.2	21	9.9	47	22	97				110	530	
[8] June 23, 2014 (Mon.) *       3.9       13       12       43       25       94       110       92       74       110       460       2100         [9] June 26, 2014 (Thu.) *       3.4       13       18       43       33       94       110       92       74       110       460       2100	[6] June 16, 2014 (Mon.)*	5.2	12	9.9	44	22	110	97	79		110	530	2000
[9] June 26, 2014 (Thu.)* 3.4 13 18 43 33 94 110 92 81 110 360 <b>1500</b>	[7] June 19, 2014 (Thu.) *	3.9	12	12	44	25	110	110	79		110	460	
	[8] June 23, 2014 (Mon.) *	3.9		12	43	25	94	110	92	74	110	460	
						33	94	110		81	110		
for evaculation of tritium up 3.4 13 18 43 33 94 110 92 81 110 360 <b>2100</b>	for evaculation of tritium up	3.4	13	18	43	33	94	110	92	81	110	360	2100

\* For the pumping well has no sampling data, previoous data were used.

\* "data for evaculation of tritium upward trend" means the data set as the upward trend from June 22 to 26 and evaculated.

<Pumping up raito for each pump well>

	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	No. 11	No. 12	Sum
[11]Pumping up ratio (Caluculated based on the amount of water pumped up within the past one week) *	0. 17	0. 10	0. 06	0. 02	0. 10	0. 02	0. 08	0. 06	0. 09	0. 17	0. 02	0. 11	1. 00

\*: For the well pump No.12, the data taken from June 24 (Tue.) to July 1 (Tue.) have been adopted when pumping resumed.

 $\langle$ Evaluation results (Tritium concentration of temporary storage tanks) $\rangle$ 

												-	(DY/L)
May 29, 2014 ([1]×[11])	1.1	1.1	0.9	0.5	1.3	3. 1	7.1	5.2	6.2	33. 4	3.3	186.0	249. 2
June 2, 2014 ([2] × [11])	1.1	1.6	0.9	0.6	1.3	2. 2	7.1	4.7	6.2	20. 0	3.3	164.1	213. 1
June 5, 2014 ([3] × [11])	0.7	1.6	0.6	0.6	1.4	2. 2	7.2	4.7	6.1	20. 0	8.7	186.0	239. 7
June 9, 2014 ([4] × [11])	0.7	2. 2	0.6	0.9	1.4	2.3	7.2	5.3	6.1	18.4	8.7	186.0	239. 7
June 12, 2014 ([5] × [11])	0.9	2. 2	0.6	0.9	2.1	2. 3	7.3	5.3	6.9	18.4	11.5	164.1	222. 5
June 16, 2014 ([6]×[11])	0.9	1.2	0.6	0.8	2.1	2.6	7.3	5.1	6.9	18.4	11.5	218.8	276. 3
June 19, 2014 ([7] × [11])	0.7	1.2	0.7	0.8	2.4	2.6	8.3	5.1	6.7	18.4	10.0	196.9	253. 9
June 23, 2014 ([8] × [11])	0.7	1.3	0.7	0.8	2.4	2. 3	8.3	5.9	6.7	18.4	10.0	229.7	287.2
June 26, 2014 ([9] × [11])	0.6	1.3	1.0	0.8	3. 2	2. 3	8.3	5.9	7.4	18.4	7.8	164.1	221.1
data for evaculation of tritium upward trend ([10]×[11])	0.6	1.3	1.0	0. 8	3. 2	2. 3	8.3	5.9	7.4	18.4	7.8	229. 7	286. 7

(Ba/I)