| Bas   |   |  |  |  | Unit 1   | Unit 2   | Unit 3   | Unit 4  | Notes   |  |
|---|---|--|--|--|--|--|--|---|---|--|
| inform  |   |  |  | pe of plant  | BWR-3  | BWR-4  | BWR-4  | BWR-4   | 110103  |  |
| IIIIOIII  | atior   | n_   |  | nermal power output<br>ration status   | 460/1380<br>In service -> Shutdown   | 784/2381 In service -> Shutdown  |  | 784/2381<br>Outage  | ·   |  |
| Plant s   |   | L  | No. of nuclear fu  | uels loaded in the reactor   | 400  | 548  | 548  | Outage<br>0   |   |  |
| when I<br>th  |   | У  |  | uels stored in the SFP   | 292  | 587  | 514  | 1331  |   |  |
| eartho  |   | е  |  | al power supply<br>icy power supply  | FDGs automatically s   | •  | o the earthquake<br>er was lost but stopped later when to  | sunami hit the plants   |   |  |
| -T  |   |  |  | nd fuel integrity  | Damaged (core melt*1)  | Damaged (core melt*1)  | Damaged (core melt*1)  | No fuels loaded   |   |  |
|   | cooling   | atus                                       |  | uctural integrity  | Limited damage and leakage   | Unknown  | Unknown  | No damage   |   |  |
|   |   | Šť.  |  | ructural integrity<br>ore cooling  | Damage and leakage suspected  Not functional   | Damage and leakage suspected  Not functional   | Damage and leakage suspected   | No damage   |   |  |
|   |   | Go   |  | (April through June)   | Stable cooling (circulating injection  |  | Not functional er)   | Not required —  |   |  |
| ğ   |   | Ī  |  | inimum injection rate  | Injecting freshwater into the reactor  | Injecting freshwater into the reactor  | Injecting freshwater into the reactor  | _   | Total injection flow:   |  |
| Reactor cooli   |   | S  | Esta   | blishment of   | via feed water line at <u>4.1</u> m3/h   | via feed water line at 4.5m3/h Injection line established  | via feed water line at 9.9-10.1 m3/h   |   | <u>18.5–18.7</u> m3/h[ <u>6/21 11:00</u> ]  |  |
|   |   | nre  |  | g injection cooling  |  | ollowing the radioactive water process  Work for injection line in progress  | s facility starts its operation)  Work for injection line in progress  | _   |   |  |
|   |   | neas                                       |  | s injection into PCV   | Injection continued [4/6-]   | [4/16-]  | [4/16-]  | _   |   |  |
| <u> </u>  |   | ٠.   | Flooding of P  | CV after sealing leaks   | Studying Work for secondary-loop piping  | Studying  Construction work to be started after  | Studying Construction work to be started after   | _   |   |  |
|   |   |  | Securing hea   | at exchange function   | in progress (5/13-)  | improving the work environment   | improving the work environment   | _   |   |  |
|   |   | nge  |  |  | High radiation circumstance is hampering is radioactive debris, radiation monitoring is  |  | Preparation work such as removing ed the doors [6/19-20] and the carry-in  |   |   |  |
|   |   | Challenge                                  | Improving  | work environment   |  | luce its high humidity, which has hampe  | red the work, after filtering and removing   | _   |   |  |
|   |   | ~  | Fuel integrity in SFP  |  | Unknown  | Unknown  | Unknown  | No severe damage suspected*2  |   |  |
|   |   | Status                                     | SI   | P cooling  | Not functional   | Not functional   | Not functional   | Not functional  |   |  |
| cooling   |   | Go   |  |  | Stable cooling   |  |  |   |   |  |
| Ö   |   | sə.  |  | lity improvement   | Injecting freshwater   | Switching from freshwater injection via SFP coolant clean up line to   | Injecting freshwater   | Injecting freshwater via alternative injection line, Preparing system for   | Injecting corrosion inhibitor,<br>hydrazine (H2NNH2), with  |  |
| ken<br>SFP  |   | measures                                   | in injed   | ction operation  | via SFP coolant clean up line  | circulation cooling  | via SFP coolant clean up line  | cooling in a stable manner  | freshwater [5/9-]   |  |
| Ęa l  |   | me   | Circulatio   | n cooling with Hx  | Planned  | In operation   | Planned (Construction to be<br>started in late June)   | Planned   |   |  |
| in le   | +   | s <sub>n</sub>                             | Increase =   | nd accumulation of   |  |  | <u> </u>   |   | <u> </u>  |  |
| neas  | å   | Status                                     |  |  | High level radioactive wastewater i  |  |  |   |   |  |
| Tern  |   |  | oal of STEP 1 (April through June)   |  | Securing storage place of high leve  |  |  |   |   |  |
| of countermeasures  |   |  | Securing storage place   |  | -Storage capacity of 14800m3 (10 Waste Treatment Facility as water   |  | oactive wastewater are secured by (  | using the Centralized Radiation   | DMD, D  |  |
|   |   |  |  |  | -Underground tank for high level ra  | adioactive wastewater (storage ca  | pacity: approx. 10,000m3) to be inst   |   | PMB: Process Main Building MWRTB: Miscellaneous Soli  |  |
| ess   | ter   | "  |  |  |  | -Storage tanks to receive processed, low to middle level radioactive wastewater with the capacity of approx. 13,000m3 installed (-5/31). Additional capacity to be installed at 20,000m3/month from the end of June.   |  |   |   |  |
| e progress  |   | sure                                       | Transfer of radioactive waste water  |  |  | <u> </u>   | ed the Centralized Radiation Waste   | Treatment Facility since April 10   | Treatment Building  |  |
| e E   |   | neas                                       |  | wasto water  |  |  | r started operation on June 17, and  |   |   |  |
| Plant and the Accumula  |   | _  | Installation of  | water process facility   |  |  | m3/day) Processed water through  |   |   |  |
| דר מר<br>המקור  |   |  | , ,  |  | reactor cooling after desalination.  |  |  |   |   |  |
|   |   |  | radioactive waste water  |  | ,-Silt fences installedSeawater c<br>-Blocking the concrete tunnels ou   |  | s into full-scale operation. [6/13]  |   |   |  |
| or the  |   | enge                                       |  |  | _  | <u> </u>   | in stable and effective manner to pr   | revent wastewater accumulated in  |   |  |
| TO S  |   | Challe                                     |  |  | unit-2 and 3 overflowing.  |  |  |   |   |  |
| status  |   |  | Goal of STEP 1 (April through June) Storing and processing low level radio active wastewater   |  |  |  |  |   |   |  |
| 11 SI   |   | neası                                      | Increasing storage capacity  |  | 18,400 tons(2,200+6,200+10,000) o  |  |  |   |   |  |
|   |   |  |  |  |  |  |  |   |   |  |
| d lire  |   | _  | Radioactive m  | naterials in the ground  |  |  | detected from the subdrain, undergro   | ound water collected and  |   |  |
| Current<br>-und   | Š   | Statu                                      |  | water  | controlled in the facility, and the w  | <mark>rell water in the Fukushima Daiichi</mark>   | site. [4/7-]   | ound water collected and  |   |  |
| gro-  | vater   | ures Statu                                 |  | water  | controlled in the facility, and the w<br>Preventing contaminated undergro  | <mark>rell water in the Fukushima Daiichi</mark><br>und water from spreading to the s  | site. [4/7-]   |   |   |  |
| gro-  | vater   | ures Statu                                 | Goal of STEP   | water  | controlled in the facility, and the w<br>Preventing contaminated undergro<br>Pumps for correcting underground<br>accordance with the contaminated  | ell water in the Fukushima Daiichi<br>und water from spreading to the s<br>water called "subdrain" is to be r<br>water management plan.  | site. [4/7-]<br>sea<br>restored in the middle of June. Sub   |   |   |  |
|   | vater   | sures Statu                                | Goal of STEP  Mitigation of gro  | water 1 (April through June) pundwater contamination   | controlled in the facility, and the w<br>Preventing contaminated undergro<br>Pumps for correcting underground<br>accordance with the contaminated<br>Construction of wall for undergrou  | ell water in the Fukushima Daiichi<br>und water from spreading to the s<br>water called "subdrain" is to be r<br>water management plan.  | site. [4/7-]<br>sea<br>restored in the middle of June. Sub   |   |   |  |
| the Undergro-   | water   | measures Statu                             | Goal of STEP  Mitigation of gro  | water 1 (April through June) pundwater contamination radioactive materials   | controlled in the facility, and the water Preventing contaminated underground pumps for correcting underground accordance with the contaminated Construction of wall for undergrous Radioactive materials and radioactive materials and radioactive materials.   | rell water in the Fukushima Daiichi<br>und water from spreading to the s<br>water called "subdrain" is to be r<br>water management plan.<br>nd water isolation is under conside  | site. [4/7-]<br>sea<br>restored in the middle of June. Sub   | drain is to be treated in   |   |  |
| in the Undergro-  | water   | measures Statu                             | Goal of STEP  Mitigation of gro  Scattering of to the outs   | water 1 (April through June) pundwater contamination radioactive materials side of the facilities  | controlled in the facility, and the water Preventing contaminated undergrounds for correcting underground accordance with the contaminated Construction of wall for underground Radioactive materials and radioact events.   | rell water in the Fukushima Daiichi<br>und water from spreading to the s<br>water called "subdrain" is to be r<br>water management plan.<br>nd water isolation is under consid-<br>ively contaminated debris scatter   | site. [4/7-] sea restored in the middle of June. Sub eration. ed due to the hydrogen explosion at  | drain is to be treated in  Unit 1 and 3 R/Bs and other  |   |  |
| in the Undergro-  | water   | Status measures Statu                      | Goal of STEP  Mitigation of gro  Scattering of to the outs   | water 1 (April through June) pundwater contamination radioactive materials   | controlled in the facility, and the water Preventing contaminated underground pumps for correcting underground accordance with the contaminated Construction of wall for undergrous Radioactive materials and radioactive materials and radioactive materials.   | rell water in the Fukushima Daiichi und water from spreading to the s water called "subdrain" is to be r water management plan. nd water isolation is under consid- ively contaminated debris scatters  Partly opened  | site. [4/7-] sea restored in the middle of June. Sub- eration. ed due to the hydrogen explosion at  Severely damaged   | drain is to be treated in   | http://www.tepco.co.jp/en/nu/fukush   |  |
| materials in the Undergro-  | here / soil water   | Status measures Statu                      | Goal of STEP  Mitigation of gro  Scattering of to the outs  R/ oal of STEP 1   | water 1 (April through June) pundwater contamination radioactive materials side of the facilities B integrity  | controlled in the facility, and the water Preventing contaminated undergroup Pumps for correcting underground accordance with the contaminated Construction of wall for undergroup Radioactive materials and radioact events.  Severely damaged Preventing scattering of radioactive   | rell water in the Fukushima Daiichi und water from spreading to the s water called "subdrain" is to be r water management plan. nd water isolation is under consid- ively contaminated debris scatters  Partly opened re materials in the facilities and th  | site. [4/7-] sea restored in the middle of June. Sub- eration. ed due to the hydrogen explosion at  Severely damaged   | Unit 1 and 3 R/Bs and other  Severely damaged   | http://www.tepco.co.jp/en/nu/fukush   |  |
| materials in the Undergro-  | here / soil water   | Status measures Statu                      | Goal of STEP  Mitigation of gro  Scattering of to the outs  R/ oal of STEP 1  Dispers  | water 1 (April through June) cundwater contamination radioactive materials side of the facilities B integrity (April through June)   | controlled in the facility, and the water Preventing contaminated undergroup Pumps for correcting underground accordance with the contaminated Construction of wall for undergroup Radioactive materials and radioact events.  Severely damaged Preventing scattering of radioactive   | rell water in the Fukushima Daiichi und water from spreading to the s water called "subdrain" is to be r water management plan. Ind water isolation is under considering to the series of the series o | site. [4/7-] sea restored in the middle of June. Subseration.  ed due to the hydrogen explosion at  Severely damaged e site n 4/26-] Dispersion to the R/Bs an   | Unit 1 and 3 R/Bs and other  Severely damaged   | http://www.tepco.co.jp/en/nu/fukush   |  |
| materials in the Undergro-  | here / soil water   | Status measures Statu                      | Goal of STEP  Mitigation of gro  Scattering of to the outs  R/ oal of STEP 1  Dispers  | water 1 (April through June) pundwater contamination radioactive materials side of the facilities (B integrity (April through June) sion of inhibitor oval of debris   | controlled in the facility, and the water Preventing contaminated underground accordance with the contaminated Construction of wall for underground accordance with the contaminated Construction of wall for underground Radioactive materials and radioactic events.  Severely damaged  Preventing scattering of radioactive Dispersion to the outside of building Removal of debris using remote-contents.  | rell water in the Fukushima Daiichi und water from spreading to the s water called "subdrain" is to be r water management plan. Ind water isolation is under considering to the series of the series o | sete. [4/7-] sea restored in the middle of June. Subseration.  ed due to the hydrogen explosion at  Severely damaged e site 1 4/26-] Dispersion to the R/Bs anss [4/10-]   | Unit 1 and 3 R/Bs and other  Severely damaged  d T/Bs [5/27-]   | http://www.tepco.co.jp/en/nu/fukush   |  |
| terials in the Undergro-  | here / soil water   | Status measures Statu                      | Goal of STEP  Mitigation of gro  Scattering of to the outs  R/ oal of STEP 1  Dispers  | water 1 (April through June) pundwater contamination radioactive materials side of the facilities (B integrity (April through June) sion of inhibitor  | controlled in the facility, and the water Preventing contaminated underground accordance with the contaminated Construction of wall for underground accordance with the contaminated Construction of wall for underground Radioactive materials and radioactic events.  Severely damaged Preventing scattering of radioactive Dispersion to the outside of building Removal of debris using remote-contamination.  | rell water in the Fukushima Daiichi und water from spreading to the s water called "subdrain" is to be r water management plan. Ind water isolation is under considering to the series of the series o | site. [4/7-] sea restored in the middle of June. Subseration.  ed due to the hydrogen explosion at  Severely damaged e site n 4/26-] Dispersion to the R/Bs an   | Unit 1 and 3 R/Bs and other  Severely damaged   | http://www.tepco.co.jp/en/nu/fukushi  |  |
| Radioactive materials in the Undergro-                            | atmosphere / soil water   | measures Status measures Statu             | Goal of STEP  Mitigation of gro  Scattering of to the outs  R/ oal of STEP 1  Dispers  Remo  | water 1 (April through June) pundwater contamination radioactive materials side of the facilities (B integrity (April through June) sion of inhibitor oval of debris   | controlled in the facility, and the water Preventing contaminated underground accordance with the contaminated Construction of wall for underground accordance with the contaminated Construction of wall for underground Radioactive materials and radioactive vents.  Severely damaged  Preventing scattering of radioactive Dispersion to the outside of building Removal of debris using remote—contamination work in progress [5/13—] Installation work of the cover to be started on 6/27  Enhancement of countermeasures  | rell water in the Fukushima Daiichi und water from spreading to the s water called "subdrain" is to be r water management plan. Ind water isolation is under considering to the series of the series o | sete. [4/7-] sea restored in the middle of June. Subseration.  ed due to the hydrogen explosion at  Severely damaged e site n 4/26-] Dispersion to the R/Bs anss [4/10-]  Designing  | Unit 1 and 3 R/Bs and other  Severely damaged  d T/Bs [5/27–]  Planning   | http://www.tepco.co.jp/en/nu/fukush   |  |
| Radioactive materials in the Undergro-                            | etc. atmosphere / soil water  | Measures Status measures Status            | Goal of STEP  Mitigation of gro  Scattering of to the outs  R/ oal of STEP 1  Dispers  Remo  Install   | water 1 (April through June) pundwater contamination radioactive materials side of the facilities (B integrity (April through June) sion of inhibitor oval of debris ing R/B cover   | controlled in the facility, and the water Preventing contaminated underground accordance with the contaminated Construction of wall for underground accordance with the contaminated Construction of wall for underground Radioactive materials and radioactive events.  Severely damaged  Preventing scattering of radioactive Dispersion to the outside of building Removal of debris using remote-content of the cover to be started on 6/27  Enhancement of countermeasures  -Transferring emergency power so  | rell water in the Fukushima Daiichi und water from spreading to the s water called "subdrain" is to be r water management plan. Ind water isolation is under considively contaminated debris scattered  Partly opened The materials in the facilities and the sin progress [full operation from portrolled heavy machine in progress  —  against aftershocks, etc.  purces to the upland [4/15] —Additional and the second seco | restored in the middle of June. Subtreation.  ed due to the hydrogen explosion at  Severely damaged e site n 4/26-] Dispersion to the R/Bs and ass [4/10-]  Designing  | Unit 1 and 3 R/Bs and other  Severely damaged  d T/Bs [5/27–]  Planning   | http://www.tepco.co.jp/en/nu/fukush   |  |
| Radioactive materials in the Undergro-                            | etc. atmosphere / soil water  | Measures Status measures Status            | Goal of STEP  Mitigation of gro  Scattering of to the outs  R/ oal of STEP 1  Dispers  Remo  Install  oal of STEP 1  Countermeas   | water 1 (April through June) pundwater contamination radioactive materials side of the facilities B integrity (April through June) sion of inhibitor eval of debris ing R/B cover (April through June) sures against tsunami   | controlled in the facility, and the water Preventing contaminated underground accordance with the contaminated Construction of wall for underground accordance with the contaminated Construction of wall for underground Radioactive materials and radioactive vents.  Severely damaged  Preventing scattering of radioactive Dispersion to the outside of building Removal of debris using remote-contaminated preparation work in progress [5/13-] Installation work of the cover to be started on 6/27  Enhancement of countermeasures  -Transferring emergency power so setting fire trucks etc. to the uplanton work for installing supporting structures.   | rell water in the Fukushima Daiichi und water from spreading to the s water called "subdrain" is to be r water management plan. Ind water isolation is under considively contaminated debris scatteri  Partly opened The materials in the facilities and the logs in progress [full operation from portrolled heavy machine in progress  —  against aftershocks, etc.  burces to the upland [4/15] —Addi and [-4/18] —Planning to install a acture under the bottom of the University of the service of the service of the under the bottom of the University of the service of the service of the service of the under the bottom of the University of the service of the service of the under the bottom of the University of the service of the service of the service of the university of t | sete. [4/7-] sea restored in the middle of June. Subseration.  ed due to the hydrogen explosion at  Severely damaged e site n 4/26-] Dispersion to the R/Bs anss [4/10-]  Designing  | Unit 1 and 3 R/Bs and other  Severely damaged  d T/Bs [5/27–]  Planning  e [-4/15] of June]   | http://www.tepco.co.jp/en/nu/fukush   |  |
| Radioactive materials in the Undergro-                            | etc. atmosphere / soil water  | measures Status measures Statu             | Goal of STEP  Mitigation of gro  Scattering of to the outs  R/ oal of STEP 1  Dispers  Remo  Install  oal of STEP 1  Countermeas   | water 1 (April through June) cundwater contamination radioactive materials side of the facilities B integrity (April through June) sion of inhibitor coval of debris ing R/B cover (April through June)  | controlled in the facility, and the water Preventing contaminated underground accordance with the contaminated Construction of wall for underground accordance with the contaminated Construction of wall for underground Radioactive materials and radioactive vents.  Severely damaged  Preventing scattering of radioactive Dispersion to the outside of building Removal of debris using remote—contaminated preparation work in progress [5/13—1]. Installation work of the cover to be started on 6/27.  Enhancement of countermeasures—Transferring emergency power so—Setting fire trucks etc. to the uplandown with the content of the cover of the cover to the uplandown with the cover of the | rell water in the Fukushima Daiichi und water from spreading to the s water called "subdrain" is to be r water management plan. Ind water isolation is under considering to the series of the upland [4/15] —Additional [4/18] —Planning to install a secture under the bottom of the Unigrout by the end of July.   | restored in the middle of June. Subtreation.  ed due to the hydrogen explosion at  Severely damaged e site n 4/26-] Dispersion to the R/Bs and ass [4/10-]  Designing  ition of redundant water injection line temporary tide barriers [by the end ait 4 SFP in progress. Steel pillars in   | Didrain is to be treated in  Unit 1 and 3 R/Bs and other  Severely damaged  d T/Bs [5/27–]  Planning  e [-4/15]  of June]  installed [6/7–6/20]. Work to be                             | http://www.tepco.co.jp/en/nu/fukush   |  |
| Radioactive materials in the Undergro-                            | etc. atmosphere / soil water  | Measures Status measures Status            | Goal of STEP  Mitigation of gro  Scattering of to the outs  R/ oal of STEP 1  Dispers  Remo  Install  Countermeas  Planning an reinforceme   | water 1 (April through June) pundwater contamination radioactive materials side of the facilities B integrity (April through June) sion of inhibitor eval of debris ing R/B cover (April through June) sures against tsunami d implementation of   | controlled in the facility, and the water Preventing contaminated underground accordance with the contaminated Construction of wall for underground accordance with the contaminated Construction of wall for underground Radioactive materials and radioactive events.  Severely damaged  Preventing scattering of radioactive Dispersion to the outside of building Removal of debris using remote-confunction of the cover to be started on 6/27  Enhancement of countermeasures  -Transferring emergency power sone Setting fire trucks etc. to the upleaction of the coverte and generation of the confunction of the coverte of the cov | rell water in the Fukushima Daiichi und water from spreading to the s water called "subdrain" is to be r water management plan. Ind water isolation is under considively contaminated debris scatters  Partly opened The materials in the facilities and the logs in progress [full operation from the controlled heavy machine in progress  against aftershocks, etc.  purces to the upland [4/15] —Addiand [-4/18] —Planning to install a licture under the bottom of the Unigrout by the end of July.  and evaluation for each unit in progres  | site. [4/7-] sea restored in the middle of June. Subseration.  ed due to the hydrogen explosion at  Severely damaged e site n 4/26-] Dispersion to the R/Bs anss [4/10-]  Designing  ition of redundant water injection lines temporary tide barriers [by the end  | Didrain is to be treated in  Unit 1 and 3 R/Bs and other  Severely damaged  d T/Bs [5/27–]  Planning  e [-4/15]  of June]  installed [6/7–6/20]. Work to be                             | http://www.tepco.co.jp/en/nu/fukush   |  |
| Radioactive materials in the Undergro-                            | etc. atmosphere / soil water  | Measures Status measures Status            | Goal of STEP  Mitigation of gro  Scattering of to the outs  R/ oal of STEP 1  Dispers  Remo  Install  Countermeas  Planning an reinforceme  Various r  Reactor   | water 1 (April through June) coundwater contamination radioactive materials side of the facilities B integrity (April through June) sion of inhibitor coval of debris ing R/B cover (April through June) sures against tsunami d implementation of nt work of each unit adiation shielding water level (mm)  | controlled in the facility, and the water Preventing contaminated underground accordance with the contaminated Construction of wall for underground accordance with the contaminated Construction of wall for underground Radioactive materials and radioactive vents.  Severely damaged  Preventing scattering of radioactive Dispersion to the outside of building Removal of debris using remote—conversed on the cover to be started on 6/27  Enhancement of countermeasures—Transferring emergency power so—Setting fire trucks etc. to the uple—Work for installing supporting struction completed by filling concrete and ge—Soundness of structure analysis a Pipe work completed, pumping vehalong accordance with the lower end of gauge,  | rell water in the Fukushima Daiichi und water from spreading to the swater called "subdrain" is to be rwater management plan. Ind water isolation is under considively contaminated debris scattered Partly opened rematerials in the facilities and the lags in progress [full operation from controlled heavy machine in progress against aftershocks, etc.  Purces to the upland [4/15] —Addiand [-4/18] —Planning to install a cuture under the bottom of the Ungrout by the end of July.  A:—1500, B:—2150  | restored in the middle of June. Subtreation.  Red due to the hydrogen explosion at Severely damaged  e site  1 4/26-] Dispersion to the R/Bs and ass [4/10-]  Designing  Designing  ition of redundant water injection line temporary tide barriers [by the end and as a series are series. Seismic safety confirmed for A:-1850, B:-2300  | Didrain is to be treated in  Unit 1 and 3 R/Bs and other  Severely damaged  d T/Bs [5/27–]  Planning  e [-4/15]  of June]  installed [6/7–6/20]. Work to be                             | http://www.tepco.co.jp/en/nu/fukush ma-np/f1/index3-e.html  "A", "B" shows the group o  |  |
| Radioactive materials in the Undergro-                            | reinforcement, etc. atmosphere / soil water                                 | Measures Status measures Status            | Goal of STEP  Mitigation of gro  Scattering of to the outs  R/ oal of STEP 1  Dispers  Remo  Install  Countermeas  Planning an reinforceme  Various r  Reactor  [6   | water 1 (April through June) coundwater contamination radioactive materials side of the facilities B integrity (April through June) sion of inhibitor coval of debris ing R/B cover (April through June) sures against tsunami d implementation of nt work of each unit adiation shielding water level (mm) /21 11:00]   | controlled in the facility, and the water Preventing contaminated underground accordance with the contaminated Construction of wall for underground accordance with the contaminated Construction of wall for underground accordance with the contaminated Construction of wall for underground construction of wall for underground accordance with the contaminated Construction of wall for underground contaminated Construction of wall for underground contaminated Construction of wall for underground contaminated Construction of Co | rell water in the Fukushima Daiichi und water from spreading to the swater called "subdrain" is to be rwater management plan. Ind water isolation is under considively contaminated debris scattered Partly opened rematerials in the facilities and the lags in progress [full operation from controlled heavy machine in progress against aftershocks, etc.  Purces to the upland [4/15] —Addiand [-4/18] —Planning to install a cuture under the bottom of the Ungrout by the end of July.  A:—1500, B:—2150 Reading mostly steady**  | restored in the middle of June. Subtreation.  Red due to the hydrogen explosion at Severely damaged  e site  1 4/26-] Dispersion to the R/Bs and sites [4/10-]  Designing  Designing  ition of redundant water injection line temporary tide barriers [by the ending at 4 SFP in progress. Steel pillars in gress. Seismic safety confirmed for Reading mostly steady**  | Didrain is to be treated in  Unit 1 and 3 R/Bs and other  Severely damaged  d T/Bs [5/27–]  Planning  e [-4/15]  of June]  installed [6/7–6/20]. Work to be                             | http://www.tepco.co.jp/en/nu/fukush ma-np/f1/index3-e.html  "A", "B" shows the group o the redundant instruments  |  |
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Work to be  Unit 1 and 4 [5/28]  ———————————————————————————————————   | http://www.tepco.co.jp/en/nu/fukushma-np/f1/index3-e.html  "A", "B" shows the group of the redundant instruments  Reactor water level shows the length of the fuel not covered with water  Trend data of primary parameters are available at Japan Nuclear Technology Institute's Home Page; "http://www.gengikyo.jp/english/shokai/special_4.html".  **Continuously monitoring the status  Air dose rate: http://www.tepco.co.jp/en/nu/fulushima-np/f1/index-e.html  |  |
| Flant parameters  Tsunami, Radioactive materials in the Undergro- | Accumulated water O PCV Reactor reinforcement, etc. atmosphere / soil water | measures G measures Status measures Status | Goal of STEP  Mitigation of gro  Scattering of to the outs  R/ oal of STEP 1  Dispers  Remo  Install  oal of STEP 1  Countermeas  Planning an reinforceme  Various r  Reactor  [6]  RPV temperati (°C)  RPV temperati (°C) | water 1 (April through June) cundwater contamination radioactive materials side of the facilities B integrity (April through June) sion of inhibitor oval of debris ing R/B cover (April through June) sures against tsunami d implementation of nt work of each unit adiation shielding water level (mm) /21 11:00] pressure (MPa) /21 11:00] ure at feedwater nozzle [6/21 11:00] rature at the bottom sel (°C)[6/21 11:00] of drywell (MPa) /21 11:00] ppression pool (MPa) /21 11:00] ppression pool (MPa) /21 11:00] nperature of SFP Volume*3 Radioactivity*3 (Dose at water surface) Volume*3 Radioactivity*3 (Dose at water surface) Radioactivity*3 (Dose at water surface)   | controlled in the facility, and the well Preventing contaminated undergroup Pumps for correcting underground accordance with the contaminated Construction of wall for underground accordance with the contaminated Construction of wall for underground accordance with the contaminated Construction of wall for underground the context of the coverts.  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Reading mostly steady  A:0.030, B:—, Measured with temporary pressure indicator [6/4–]  113.5  Reading mostly steady  98.5  Reading mostly steady  0.1357  Reading mostly steady  0.115  Reading mostly steady  Instrument failure  3,900m3[5/31]  4.0E+5Bq/cm3[3/26]  8,400m3[5/31]  4.0E+5Bq/cm3[3/26]  2,800m3[5/31]  4.0E+5Bq/cm3[3/26]  2,800m3[5/31]  6,9Bq/cm3[3/29]  (0,4mSv/h[3/27])  91,800m3 (Approx. 105,000  -Air dose rate: 5-117 µ Sv/h at the wet gate [6/2 09:00]  -Some radioactive materials (I, Cs, Radioactive materials have been defined and the context of the context  | rell water in the Fukushima Daiichi und water from spreading to the swater called "subdrain" is to be rwater management plan. 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Seismic safety confirmed for Reading mostly steady**  A:-1850, B:-2300  Reading mostly steady**  A:-0.147, B:-0.102  Reading mostly steady**  149.4  Upward trend ending  127.8  Upward trend ending  0.1001  Reading mostly steady  0.1845  Reading mostly steady  62°C [5/8]  6,400m3[5/31]  3.8E+6Bq/cm3[4/22]  13,600m3[5/31]  3.8E+6Bq/cm3[4/22]  (120~750mSv/h[3/24,4/22])  2,300m3[5/31]  3.8E+6Bq/cm3[4/22]  5,800m3[5/31]  2.4E+2Bq/cm3[3/30]  sferred to the Centralized Radiation 349 \( \mu \) Sv/h at the south side of the sected in the soil sampled at the site underground water and also seawart and sections and seawart and sections are seawart and sections and seawart and also seawa | Unit 1 and 3 R/Bs and other  Severely damaged  d T/Bs [5/27–]  Planning  e [-4/15]     of June]     installed [6/7–6/20]. Work to be  Unit 1 and 4 [5/28]                               | http://www.tepco.co.jp/en/nu/fukushma-np/f1/index3-e.html  "A", "B" shows the group of the redundant instruments Reactor water level shows the length of the fuel not covered with water Trend data of primary parameters are available at Japan Nuclear Technology Institute's Home Page; "http://www.gengikyo.jp/english/shokai/special_4.html". **Continuously monitoring the status  Air dose rate: http://www.tepco.co.jp/en/nu/fulushima-np/f1/index-e.html Air, seawater, underground water soil, etc.:                                  |  |
| Flant parameters  Tsunami, Radioactive materials in the Undergro- | Accumulated water O PCV Reactor reinforcement, etc. atmosphere / soil water | measures G measures Status measures Status | Goal of STEP  Mitigation of gro  Scattering of to the outs  R/ oal of STEP 1  Dispers  Remo  Install  oal of STEP 1  Countermeas  Planning an reinforceme  Various r  Reactor  [6]  RPV temperati (°C)  RPV temperati (°C) | water 1 (April through June) coundwater contamination radioactive materials side of the facilities B integrity (April through June) con of inhibitor coval of debris  ing R/B cover (April through June) course against tsunami d implementation of nt work of each unit radiation shielding water level (mm) /21 11:00] pressure (MPa) /21 11:00] pressure (MPa) /21 11:00] rature at the bottom sel (°C)[6/21 11:00] of drywell (MPa) /21 11:00] pression pool (MPa) /21 11:00] Radioactivity*3 Volume*3 Radioactivity*3 Volume*3 Radioactivity*3 (Dose at water surface) Volume*3 Radioactivity*3 (Dose at water surface) tal volume  | controlled in the facility, and the well Preventing contaminated undergroup Pumps for correcting underground accordance with the contaminated Construction of wall for underground accordance with the contaminated Construction of wall for underground accordance with the contaminated Construction of wall for underground the context of the coverts.  Severely damaged  Preventing scattering of radioactive Dispersion to the outside of buildin Removal of debris using remote—context of the coverto be started on 6/27  Installation work in progress [5/13–] Installation work of the cover to be started on 6/27  Enhancement of countermeasures —Transferring emergency power soresetting fire trucks etc. to the uple—Work for installing supporting structure analysis and provided by filling concrete and gesoundness of structure analysis are pipe work completed, pumping vehalised by the lower end of gauge, B:—1650**. Reading mostly steady  A:Below the lower end of gauge, B:—1650**. Reading mostly steady  A:0.030, B:—, Measured with temporary pressure indicator [6/4–]  113.5  Reading mostly steady  98.5  Reading mostly steady  0.1357  Reading mostly steady  0.115  Reading mostly steady  Instrument failure  3,900m3[5/31]  4.0E+5Bq/cm3[3/26]  8,400m3[5/31]  4.0E+5Bq/cm3[3/26]  2,800m3[5/31]  4.0E+5Bq/cm3[3/26]  2,800m3[5/31]  6,9Bq/cm3[3/29]  (0,4mSv/h[3/27])  91,800m3 (Approx. 105,000  -Air dose rate: 5-117 µ Sv/h at the wet gate [6/2 09:00]  -Some radioactive materials (I, Cs, Radioactive materials have been defined and the context of the context  | rell water in the Fukushima Daiichi und water from spreading to the swater called "subdrain" is to be rwater management plan. Ind water isolation is under considerate in the facilities and the lags in progress [full operation from controlled heavy machine in progress against aftershocks, etc.  Partly opened remarked in the facilities and the lags in progress [full operation from controlled heavy machine in progress and [-4/18] -Planning to install a secture under the bottom of the Uniter under the bottom of the Uniter under the bottom of the Uniter under the Uniter under the Uniter under the Uniter under Uniter u | restored in the middle of June. Subseration.  Red due to the hydrogen explosion at Severely damaged esite 14/26—] Dispersion to the R/Bs and sis [4/10—]  Designing  Designing  Temporary tide barriers [by the end with 4 SFP in progress. Steel pillars in a series. Seismic safety confirmed for Reading mostly steady**  A:-1850, B:-2300 Reading mostly steady**  A:-0.147, B:-0.102 Reading mostly steady**  A:-0.147, B:-0.102 Reading mostly steady**  149.4  Upward trend ending  127.8  Upward trend ending  0.1001 Reading mostly steady  0.1845 Reading mostly steady  62°C [5/8]  6,400m3[5/31]  3.8E+6Bq/cm3[4/22]  13,600m3[5/31]  3.8E+6Bq/cm3[4/22]  (120~750mSv/h[3/24,4/22])  2,300m3[5/31]  3.8E+6Bq/cm3[4/22]  5,800m3[5/31]  3.8E+6Bq/cm3[4/22]  5,800m3[5/31]  3.4E+2Bq/cm3[3/30]  sferred to the Centralized Radiation 349 \( \mu \) Sv/h at the south side of the sected in the soil sampled at the site  | Unit 1 and 3 R/Bs and other  Severely damaged  d T/Bs [5/27–]  Planning  e [-4/15]     of June]     installed [6/7–6/20]. Work to be  Unit 1 and 4 [5/28]                               | http://www.tepco.co.jp/en/nu/fukushma-np/f1/index3-e.html  "A", "B" shows the group of the redundant instruments  Reactor water level shows the length of the fuel not covered with water  Trend data of primary parameters are available at Japan Nuclear Technology Institute's Home Page; "http://www.gengikyo.jp/english/shokai/special_4.html".  **Continuously monitoring the status  Air dose rate: http://www.f1/cindex-e.html Air, seawater, underground water   |  |
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\*1 TEPCO's analysis [announced on 5/15,23]
\*2 TEPCO estimated that there was no severe damage to the fuel in the Unit 4 SFP based on the concentration of radioactive materials in the pool and the pictures of the pool. [4/13,28,29]

\*3 Rough estimate by TEPCO [announced on 5/31] [Source]

Government Nuclear Emergency Response Headquarters: News Release, Press conference NISA: News Release, Press conference TEPCO: Press Release, Press Conference

TEPCO: Press Release, Press Confere
[Abbreviations]
SFP: Spent Fuel Storage Pool
EDG: Emergency Diesel Generator

EDG: Emergency Diesel Generator
RPV: Reactor Pressure Vessel
PCV: Primary Containment Vessel
R/B: Reactor Building
T/B: Turbine Building
RW/B: Radioactive Waste Disposal Building

RHR: Residual Heat Removal system CST: Condensate water Storage Tank

Hx: Heat exchanger NPS: Nuclear power station



[Progress of countermeasures]
: Completed
: Under construction
: To be done (including studying and manufacturing)