

# Update on the completion of contaminated water treatment

January 23, 2015  
Tokyo Electric Power Company



東京電力

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# 1 – 1. Status of contaminated water treatment

## Capability of water treatment for January 2015 (based on actual performance)

### ■ Multi-Nuclide Removal Equipment (existing + improved + high performance ALPS):

Approximately 1,260 tons/day

- Aiming to increase this amount by remodeling the devices and revising the operation flow to raise performance.

### ■ Other treatment facilities: Approximately 800 tons/day

- Approximately 800 tons/day is the actual monthly average for January. If the additional capabilities of the RO water treatment system and 2<sup>nd</sup> Cesium adsorption device, which were both installed mid-month, were included in the average, the amount would come to 1,260 tons/day.
- A series of additional decontamination measures such as the use of mobile type strontium removal equipment and the efficient use of excess capacity in the cesium adsorption device is expected to **boost treatment capacity further**.

## Previous forecasts of water treatment capabilities for January 2015 (as reported in December 2014)

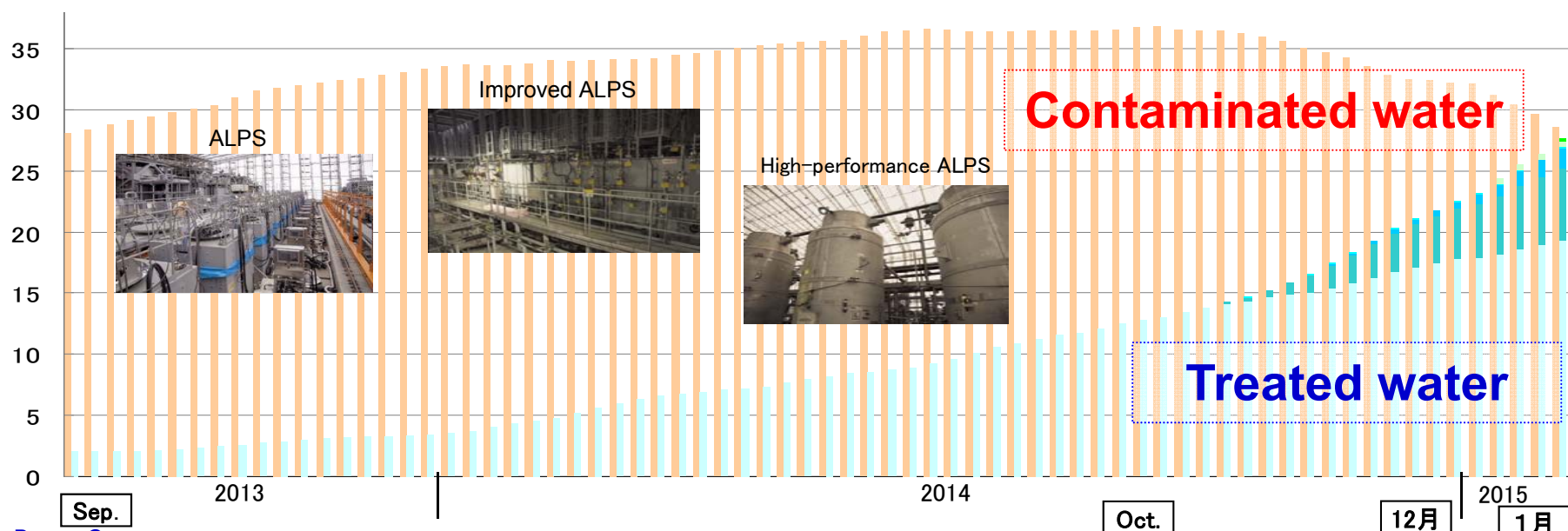
■ Multi-Nuclide Removal Equipment (existing, + improved + high performance ALPS) was forecast to treat approximately 1,960 tons/day

■ Other treatment facilities was forecast to treat approximately 1,800 tons/day

# 1-2. Status of contaminated water treatment

- We have made significant progress in our efforts to reduce the risk associated with contaminated water at Fukushima Daiichi, and more treatment systems will come online in the coming weeks and months.
- We plan to announce the projected timing of the completion of water treatment in mid-March, once we have confirmed the actual utilization rates of the additional equipment, but at the moment we expect to complete the treatment in May.
- While target dates are obviously important, we are committed to putting the safety of our workers first and at the same time to continuously improve the performance of the many initiatives of the water management system.

Ten thousand tons



ALPS

Exiting A B C  
Improved  
High performance

Multiple measures

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Oct. Type A・B・C

Mobile type A

2<sup>nd</sup> adsorption

Cs adsorption,  
RO treatment

※Expected to come online 2<sup>nd</sup> Mobile Type B

2. Regarding the radiation levels derived from the treated water storage tanks at the Fukushima site boundary (guidelines set by government regulation authority)

- Currently, the effective dose derived from the water storage tanks at the site boundary is less than 3.5 mSv/year. Without the multi-nuclide removal equipment, that amount would have reached 9 mSv/year.
- Tepco is committed to achieving the rate of 1mSv/year at the site boundary by the end of March, using ALPS and other reduction strategies such as the mobile type strontium removal system.

