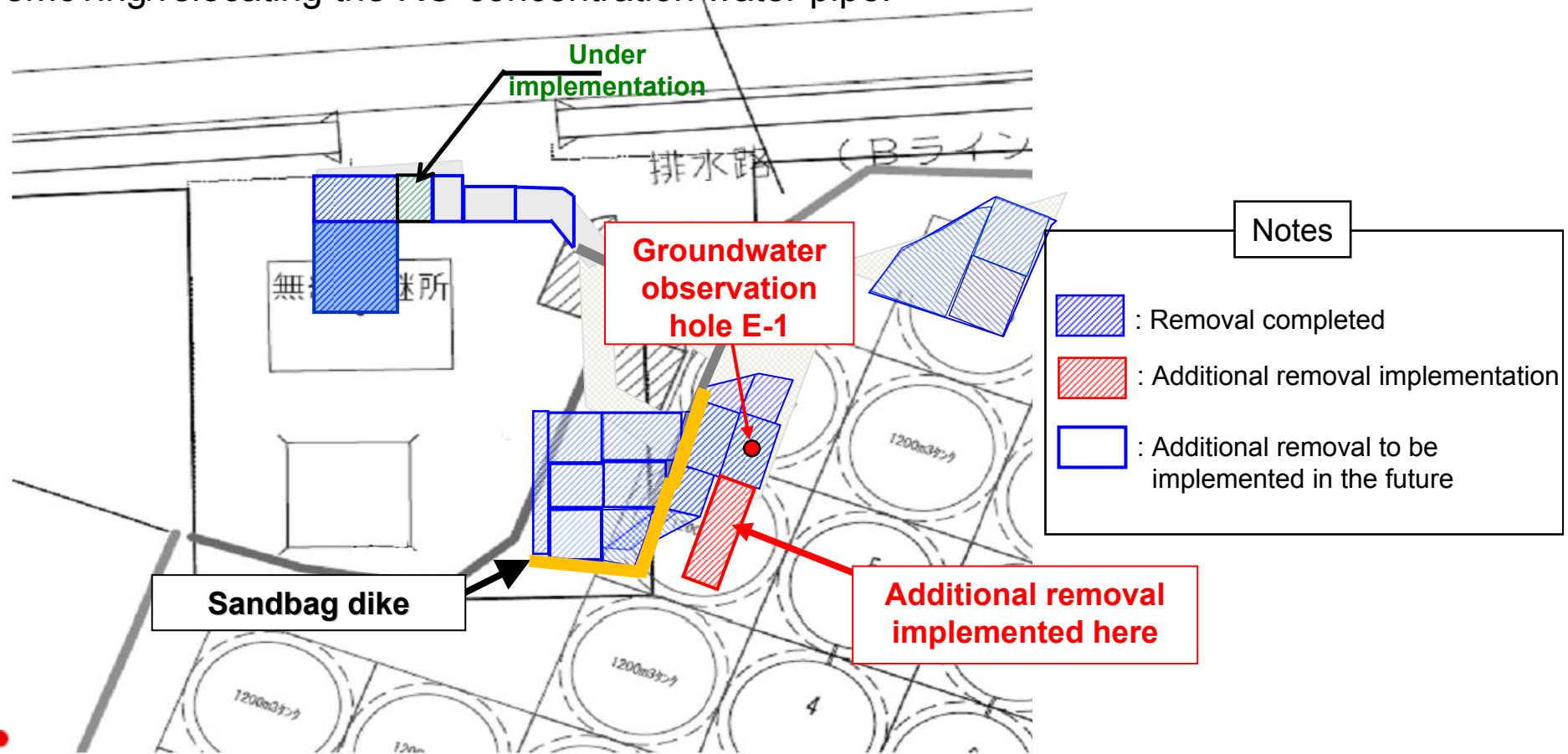


# Additional Measures against Contamination Expansion at H4 area in Fukushima Daiichi NPS

<Reference>  
October 30, 2013  
Tokyo Electric Power Company




## 1. Additional removal of contaminated soil

- In response to the increase in the measurement result for all- $\beta$  at the observation hole E-1, we re-conducted the measurement for the surface radiation dose at the groundwater upstream of E-1. The radiation dose value was high around under the transfer pipes (the area with red-color hatched lines).
- In the area with higher radiation dose value, we will remove the contaminated soil after removing/relocating the RO-concentration water pipe.





Soil removal requires to remove/relocate RO-concentration water pipe first.



Notes	
	: Additional soil removal
	: RO concentration water pipe removal
	: RO concentration water pipe relocation



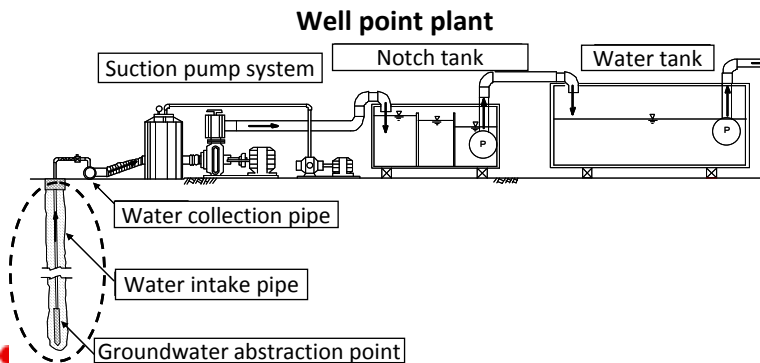
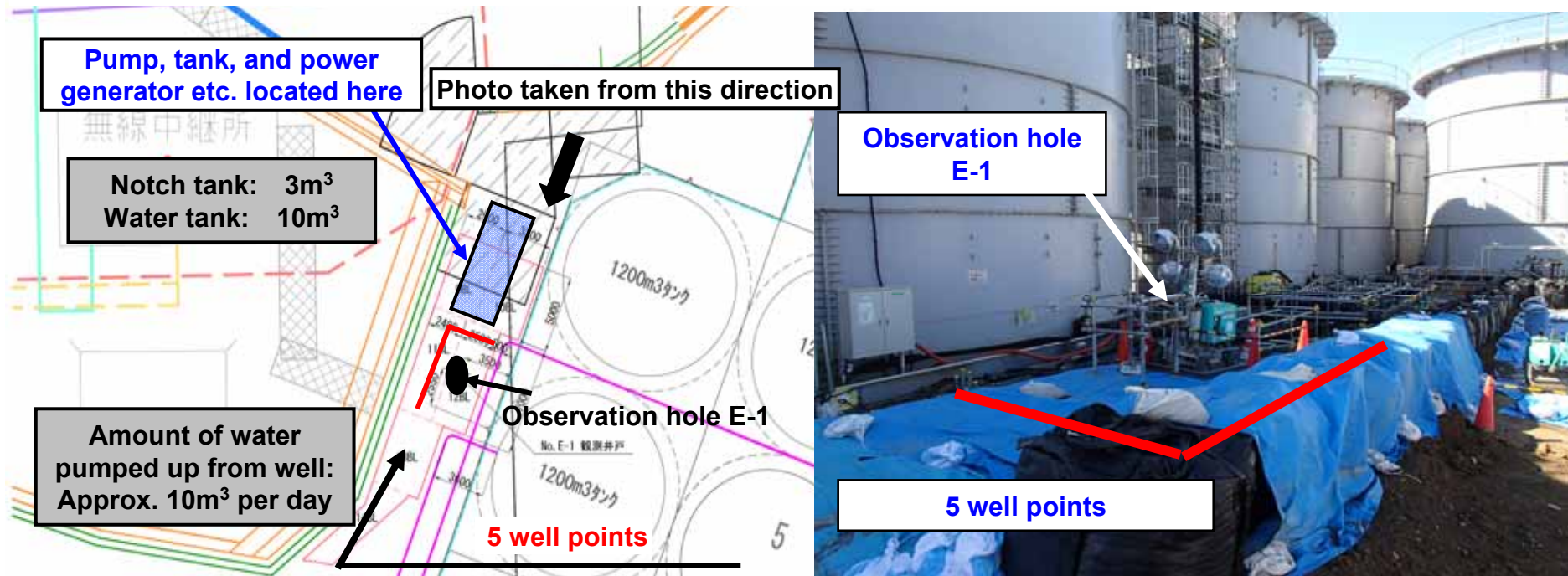
### Schedule for additional measure implementation

	October			November		
	10	20	30	10	20	30
RO-concentration water pipe removal and relocation						
Contaminated soil removal						

▪ In the additional measure-implementation area, removal will be implemented in accordance with the work progress in RO-concentration water pipe transfer/relocation.

## 2. Groundwater pumping up around the observation hole E-1

• In response to the increase in the measurement result for all- $\beta$  at the observation hole E-1, well points will be established, and the groundwater around the observation hole E-1 will be pumped up.

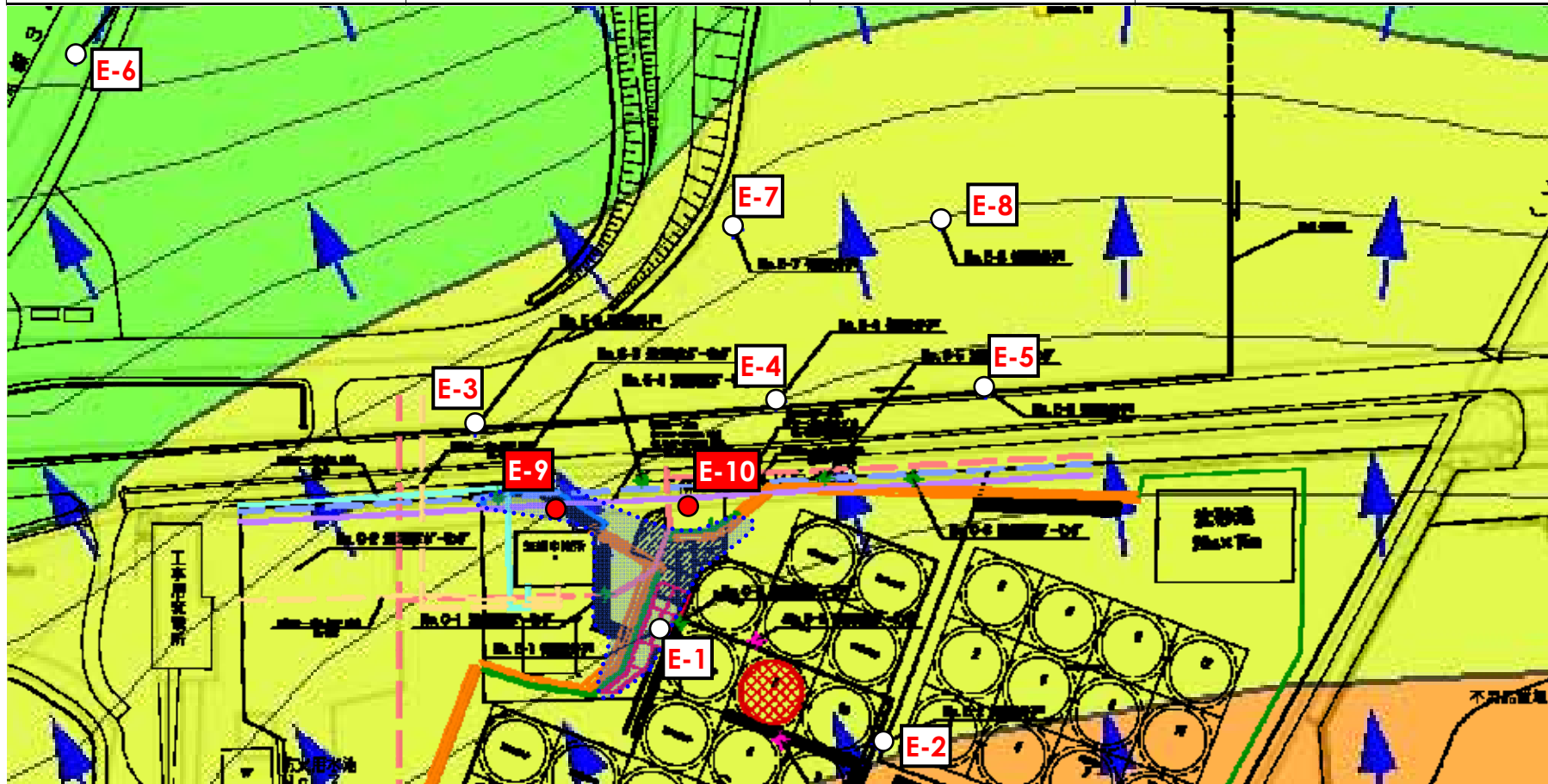


	October							November										
	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7
	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.	Mon.	Tue.	Wed.	Thu.
Preparatory works																		
Well establishment																		
Plant installation																		
Water pump-up from well																		

**\*Water pumping up will be started after transfer pipes are relocated.**

### 3. Additional observation holes in H4 area

Investigation	Purpose	Item
<p>&lt;E&gt; Boring (coring) investigation as deep as the groundwater level                      (E-9: 15m)                      (E-10: 15m)</p>	<ul style="list-style-type: none"> <li>- Ensuring the groundwater level</li> <li>- Specifying contamination range</li> </ul>	<ul style="list-style-type: none"> <li>- Monitoring the water quality</li> </ul>



※ “↑”, the blue arrows stand for the direction of the groundwater flow.