

1. Finding of the tank from which water has leaked

- We found water spread at the bottom part of the area near the No.5 (H4-I-5) tank in the area. Therefore, we checked the water level of this tank, and found out that the water level has fallen to approximately 3m 40cm from the top of the tank.
- We confirmed that the current water level is lower by approximately 3m than the normal level, given that the water levels of the neighboring tanks are approximately 50cm from the top of the tanks. Further, we are checking the water levels of the surrounding tanks. Note that the amount of water corresponding to this approximately 3m fall in water level is approximately 300m³.
- With regards to water considered to have leaked, we are collecting the water remaining inside the dike and have already collected some. However, since the water seems to have flowed out from the dike through the drain valve, we will collect soil in the surrounding area on August 20 and continue to conduct an investigation to find out the range reached by the water.

2. Countermeasures to prevent expansion of the leaked water

◆[Prevention of leakage to outside the dike, and control of leakage inside the dike]

- Shutting off all of the drain valves at the dike of this area. (Completed on August 19)
- Placing absorption mats at locations found with remarkable amounts of leaked water, for the purpose of controlling leakage inside the dike. (Completed on August 19)
- Draining leaked water inside the dike into a temporary tank using a temporary drainage pump as far as the conditions allow, and completing the drainage temporarily (approximately 4 tons of the water has been collected as at 12:00 AM on August 20). Note that some of the leaked water remains at some locations such as a high-radiation dose area surrounding the No.5 tank.
- Conducting confirmation of the site conditions at intervals of 3 hours, which is currently underway. (Water keeps still leaking after we started to conduct confirmation).
- Planning to: move on to a water transfer operation where water is transferred from "the temporary drainage pump to a temporary tank, then to an underwater pump, and then to a group of group B tanks (a group of tanks having sufficient room in the H4 area)" as soon as preparations are complete; and finally, decontaminate the floor surface by high-pressure washing.

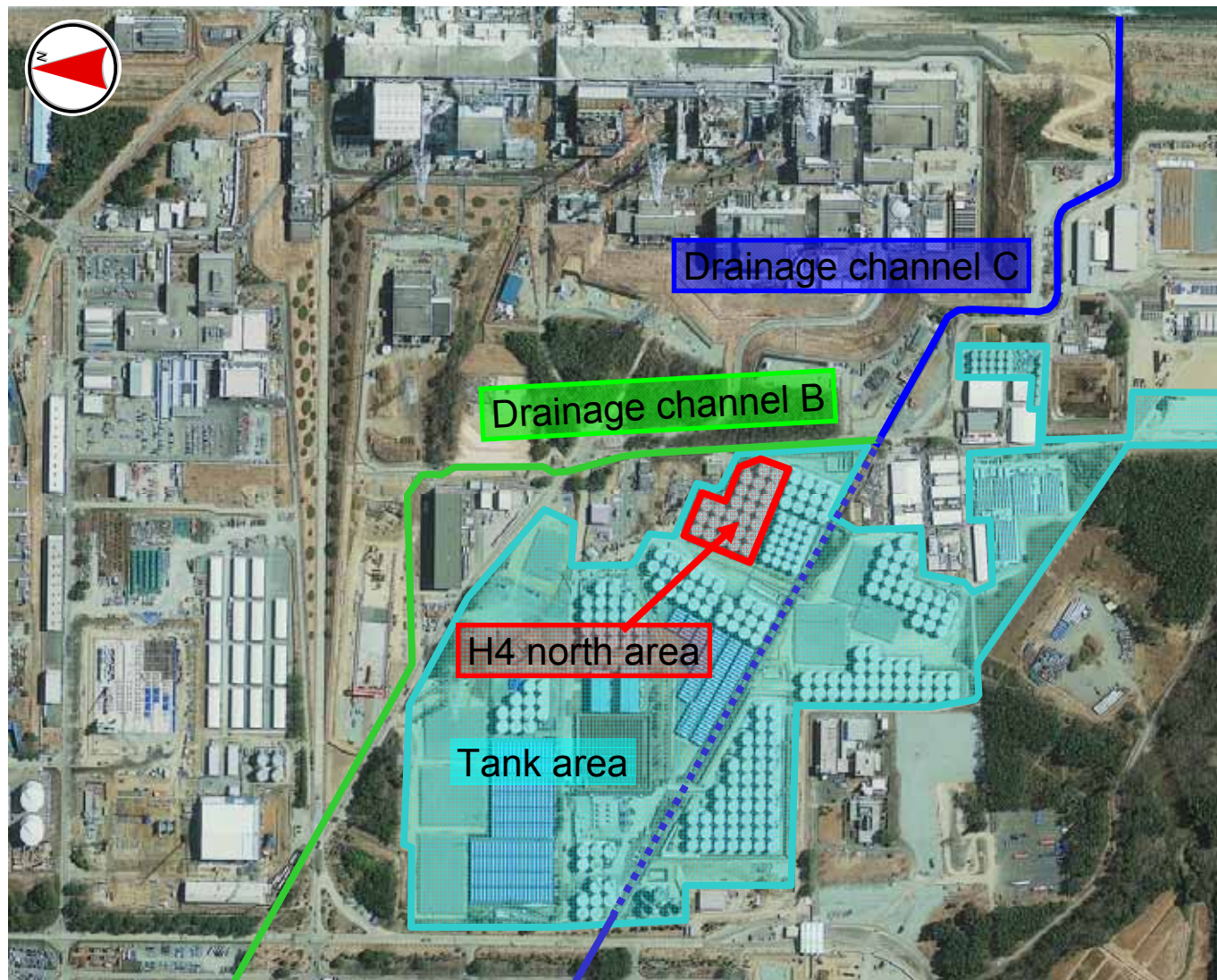
◆[Control of leakage outside the dike]

- Removing contaminated soil found outside the dike. (Started at 6:30 AM on August 20)
- In locations near the leakage location that have no earth-fill dams (with large-sized sandbags), building sandbag-reinforced embankments after removing the contaminated soil as above, for the purpose of preventing the leaked contaminated water from flowing into drainage channels.

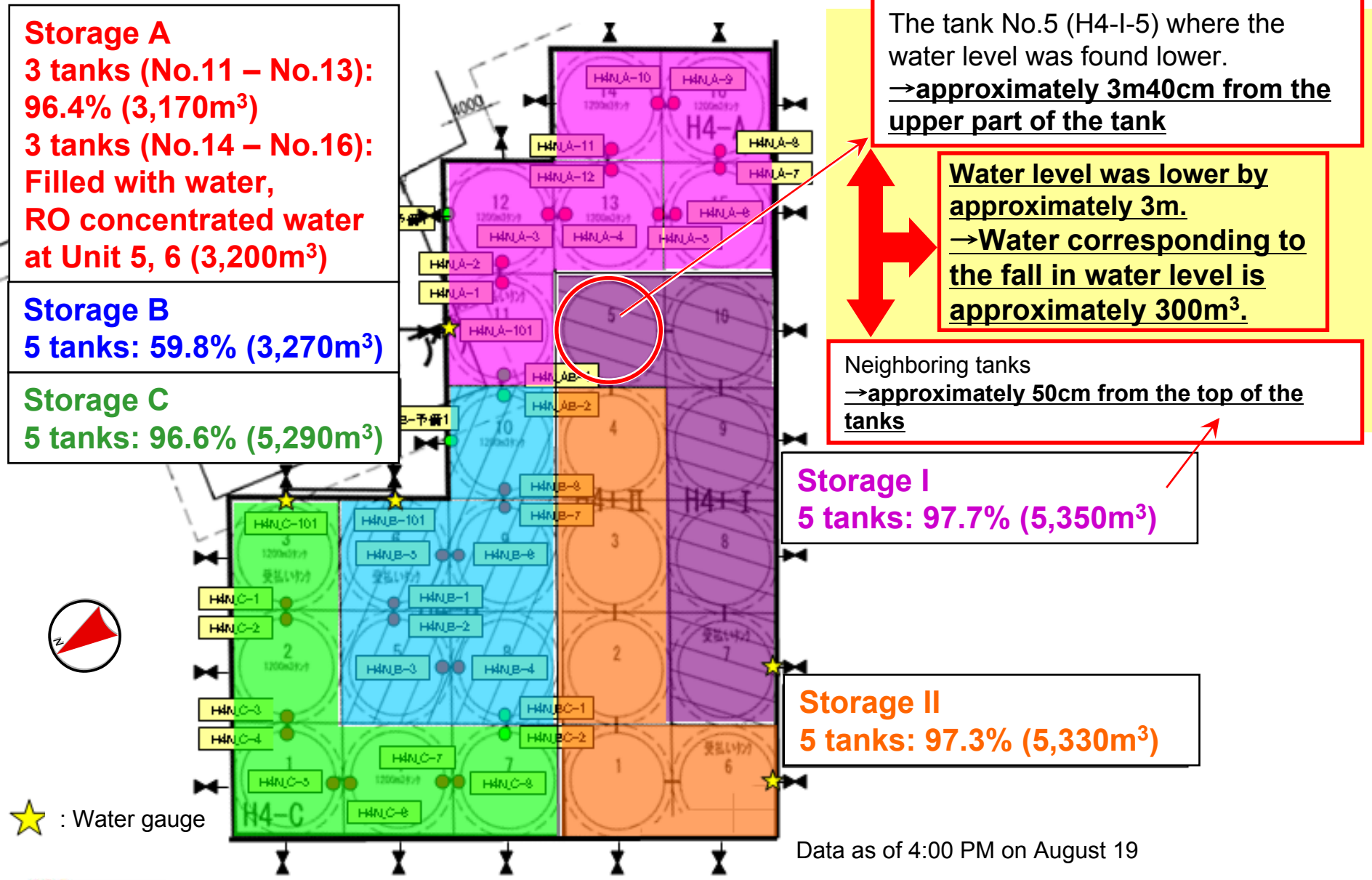
3. Operations to transfer water contained in the water leaking tank

- After indentifying a water-leaking tank, removing water from the top of this tank and transferring the water to the group B tanks by use of the temporary pump, the tanks and pipes as mentioned above in the section 2.

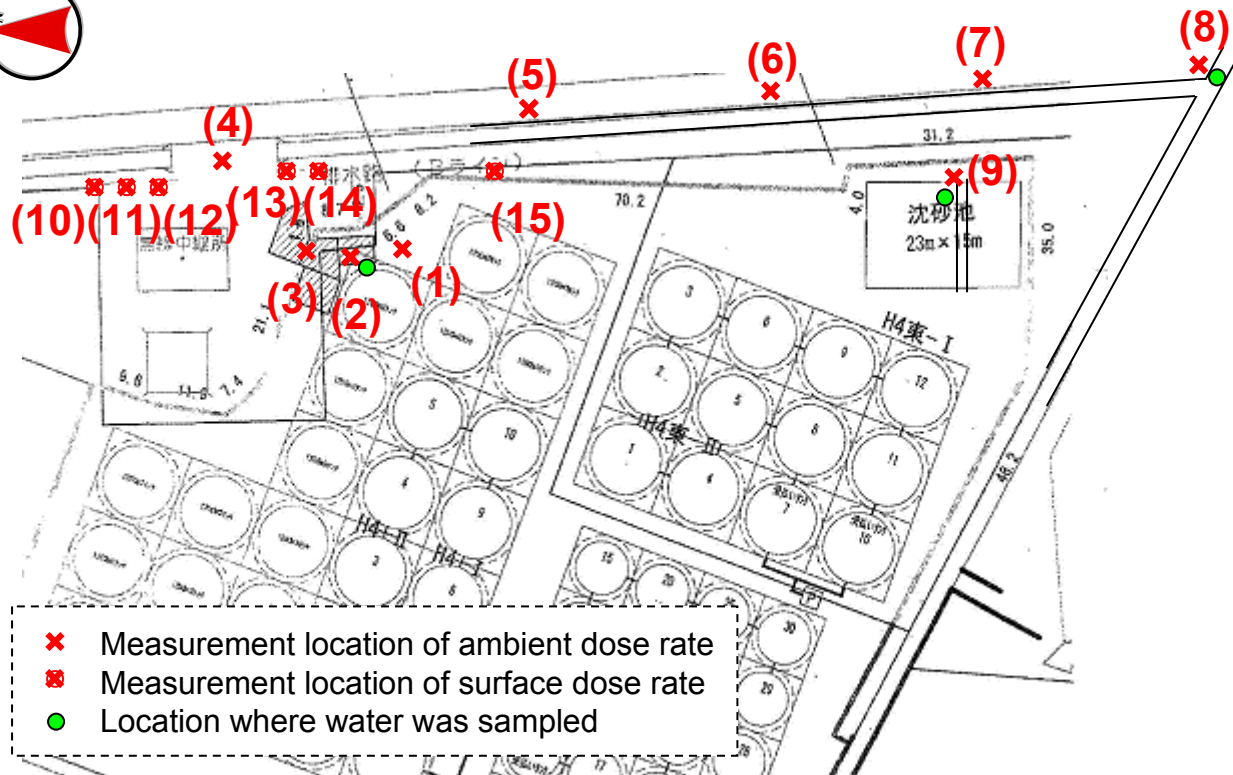
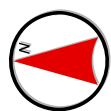
Locations of Tank Area and Drainage Channels



Layout of Tanks Installed So Far and Water Levels of the Tanks (Indicated by %)



Survey Results Related to Leak from the RO Tank



Measurement result of dose rate

Date of measurement: August 19, 2013
Unit: [mSv/h]

Measurement point	Dose rate	
	$\gamma + \beta$ ray	γ ray
(1)	>100	1.5
(2)	5.5	0.1
(3)	0.08	0.05
(4)	0.04	0.04
(5)	0.06	0.06
(6)	0.06	0.06
(7)	0.045	0.045
(8)	0.06	0.06
(9)*	0.15	0.015
(10)	90.0	0.36
(11)	96.0	0.45
(12)	90.0	0.35
(13)	0.35	0.07
(14)	0.12	0.11
(15)	0.024	0.015

Analysis results of sampled water

Sampling Date: August 19, 2013

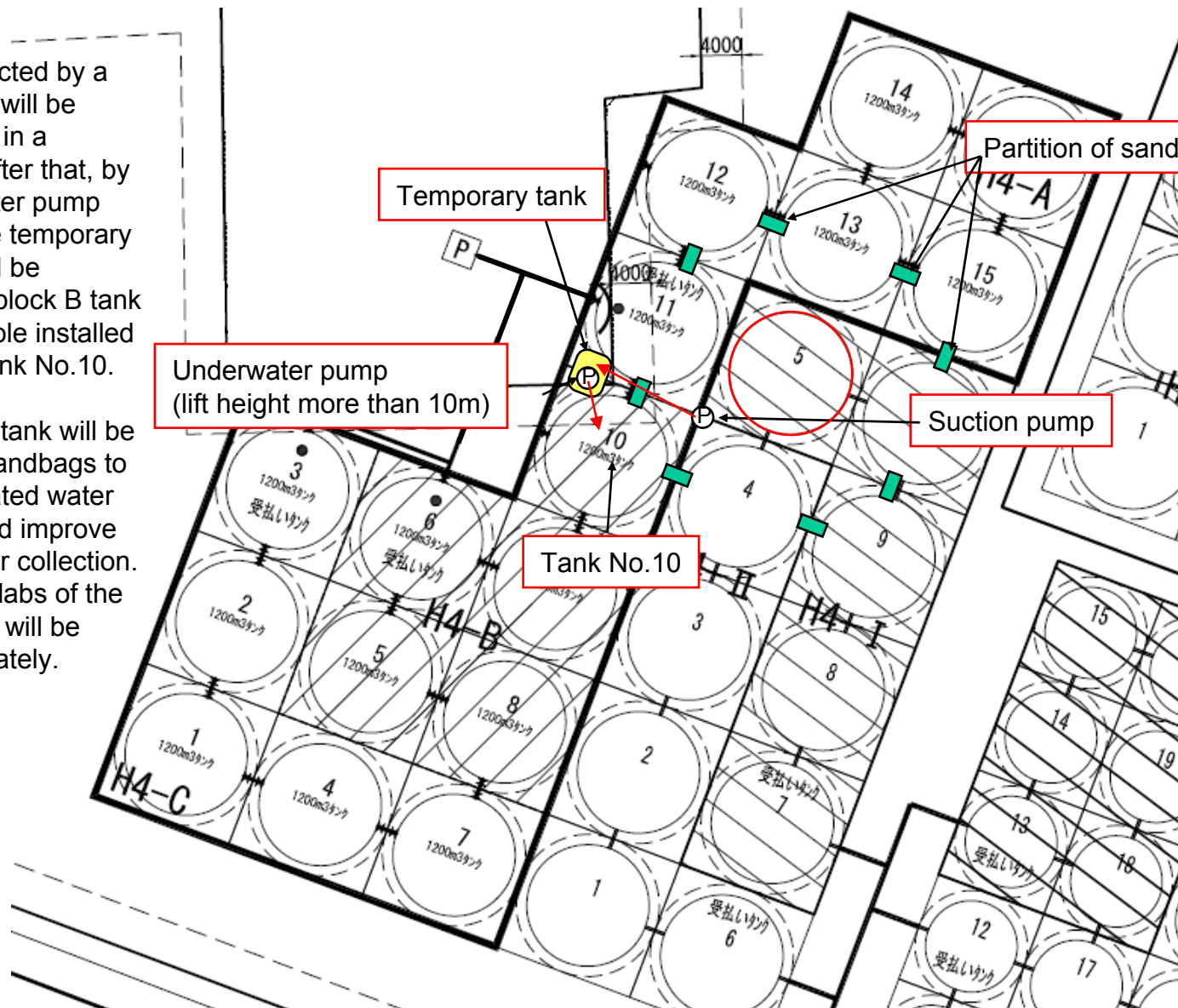
Measurement point	γ nuclide (Bq/cm ³)					All β (Bq/cm ³)	Chloride (ppm)
	Cs-134	Cs-137	Co-60	Mn-54	Sb-125		
Leakage water	4.6E+1	1.0E+2	1.2E+0	1.9E+0	7.1E+1	8.0E+4	5,200
Sand sedimentation pond	<2.0E-2	<2.6E-2	<1.3E-2	-	-	4.1E+1	-
Side ditch	<1.9E-2	<2.7E-2	<1.4E-2	-	-	1.3E-1	-

* In the report previously announced, it said the measurement result of dose rate for (9) was "0.015mSv/h in $\gamma + \beta$ ray" and "0.15mSv/h in γ ray". However, it has been corrected to "0.15mSv/h in $\gamma + \beta$ ray" and "0.015mSv/h in γ ray". We apologize for the mistake (Corrected on August 23, 2013).

Collection of Leaked Water in the Weir

Water will be collected by a suction pump and will be temporarily stored in a temporary tank. After that, by using an underwater pump installed inside the temporary tank, the water will be transferred to the block B tank No.10 via a manhole installed at the top of the tank No.10.

The water leaking tank will be surrounded with sandbags to prevent contaminated water from spreading and improve workability of water collection. Cleaning of floor slabs of the surrounding areas will be attempted immediately.



Aqua blocks will be laid out in one layer, and sandbags will be stacked on the blocks in two stages without space.