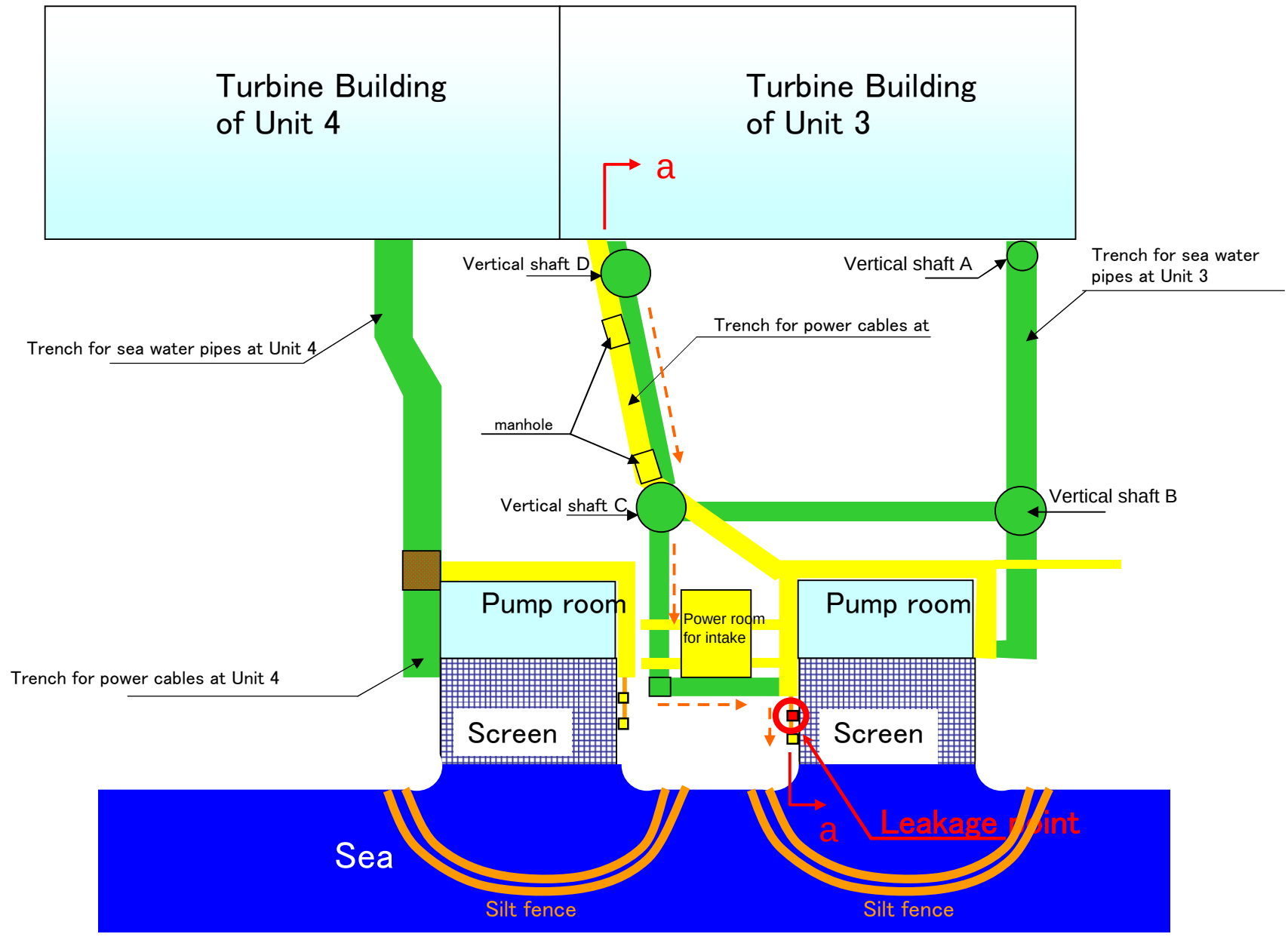
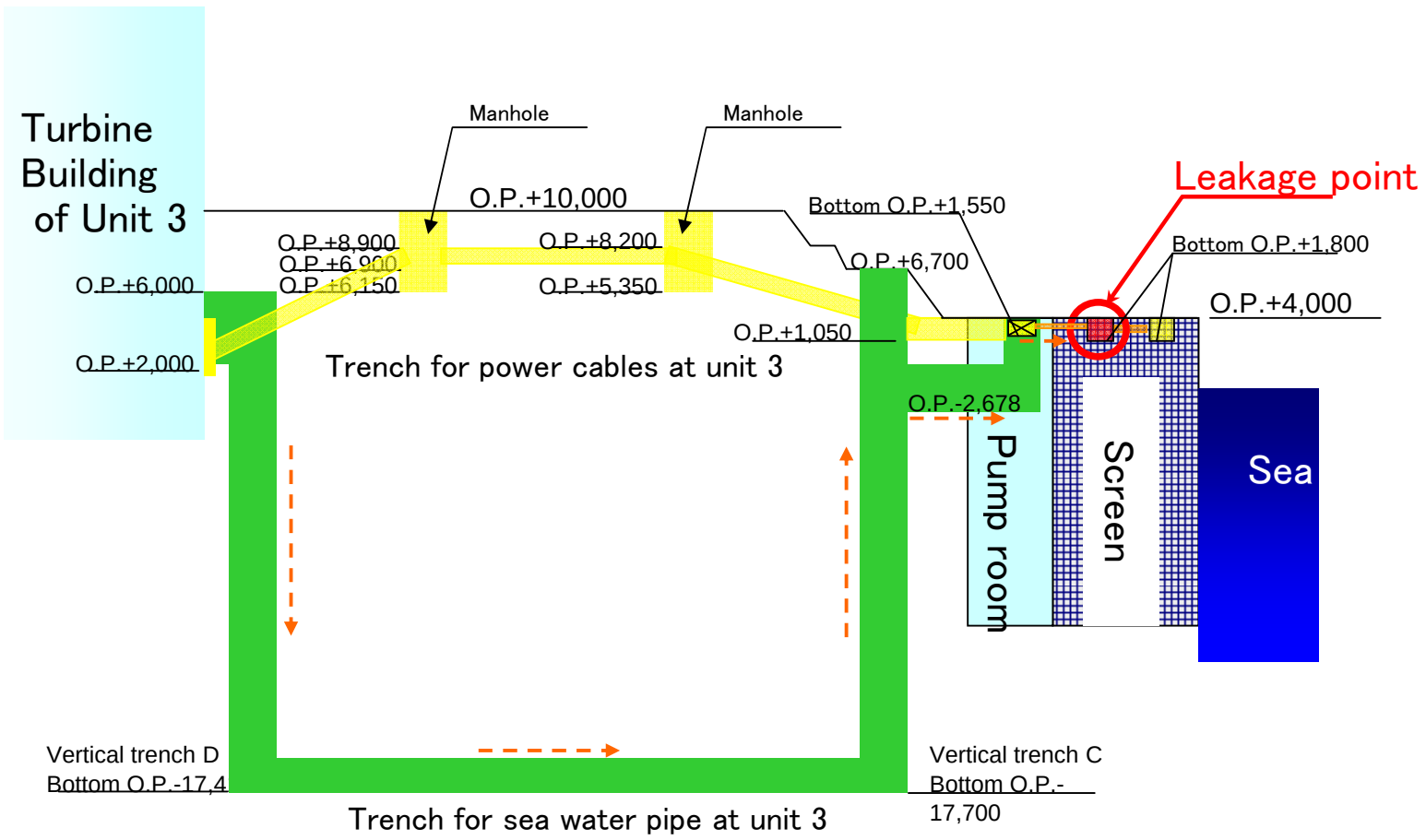
Reference 1

Trench for sea water pipes at Unit 3 (plain view)



Trench for sea water pipes at Unit 3 (a – a vertical cross sectional view)



Reference 2

【Outflow route of contaminated water from Unit 3】

Turbine building at Unit 3

↓

Vertical shaft D

↓

Trench for sea water pipes

↓

Vertical shaft C

↓

Trench for sea water pipes（sea side: south）

↓

Trench for power cables

↓

Duct for power cables

↓

Power cable pit

↓

Penetration between power the cable pit and the screen pump room

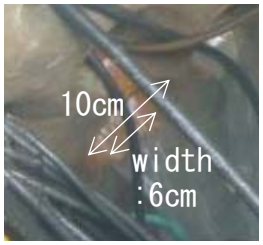
↓

Sea (screen pump room)

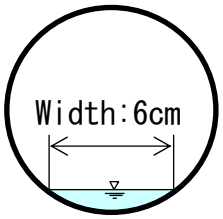
Status of outflow to near intake of Unit 3

Reference 3

【Status of flow into power calbe pit】



(Enlarged view of the left photo)

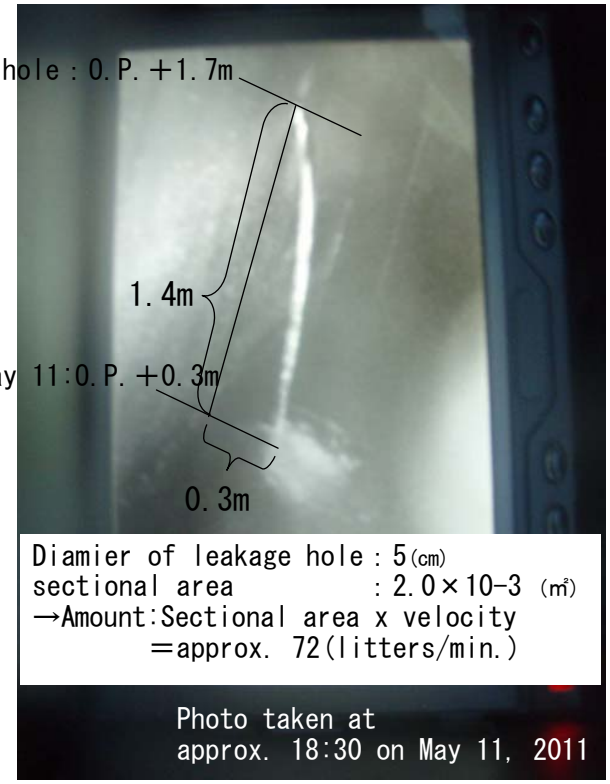


Cross-sectional view of a duct for power cables

Time required to drop 1.27m:
√ { (2×1.27) /9.8} =0.51(s)
Horizontal velocity :
0.5(m)÷0.51(s)=
approx.1.0(m/s)

Diameter of a duct : 10(cm)
Width of flow : 6(cm)
Sectional area : 4.1×10-4 (㎡)
→Amount : sectional area×4 ducts×velocity
=approx. 100(litters/min.)

【Status of flow into screen area from power cable pit】 (after fabrics were stuffed)



Time required to drop to the sea level:
√ { (2×1.4) /9.8} =0.55(s)
Horizontal velocity :
0.3(m)÷0.55(s)=0.6(m/s)