

Overview of Hirono Thermal Power Station

1. Overview of Hirono Thermal Power Station

(1) Location: Futatsunuma 58, Shimo Kitasako Aza, Oaza, Hirono, Futaba-gun, Fukushima Prefecture

(2) Station Chief: Yasuhiko Suzuki

(3) Site area: Approx. 1,320,000m²

(4) Output and fuel:

	Output	Fuel	Commencement date
Unit 1	600MW	Heavy oil, crude oil	April 1980
Unit 2	600MW	Heavy oil, crude oil	July 1980
Unit 3	1,000MW	Heavy oil, crude oil	June 1989
Unit 4	1,000MW	Heavy oil, crude oil	January 1993
Unit 5	600MW	Coal	July 2004
Unit 6	600MW	Coal	December 2013

(5) Overview of facilities

- Boiler: Supercritical variable pressure operation once-through boiler, balanced draft type
- Turbine: Tandem compound, double exhaust, reheat condensing type
- Generator: Horizontal shaft tubular type revolving field three-phase AC synchronous generator
- Flue gas treatment system: Dust collector (very cold electrostatic precipitator)
DeNOx system (dry selective catalytic reduction method)
FGD (wet limestone-gypsum process)
- Stack: Ground level/+200m, outer stack tube/RC, inner stack tube/Steel
- Thermal efficiency: 45.2%

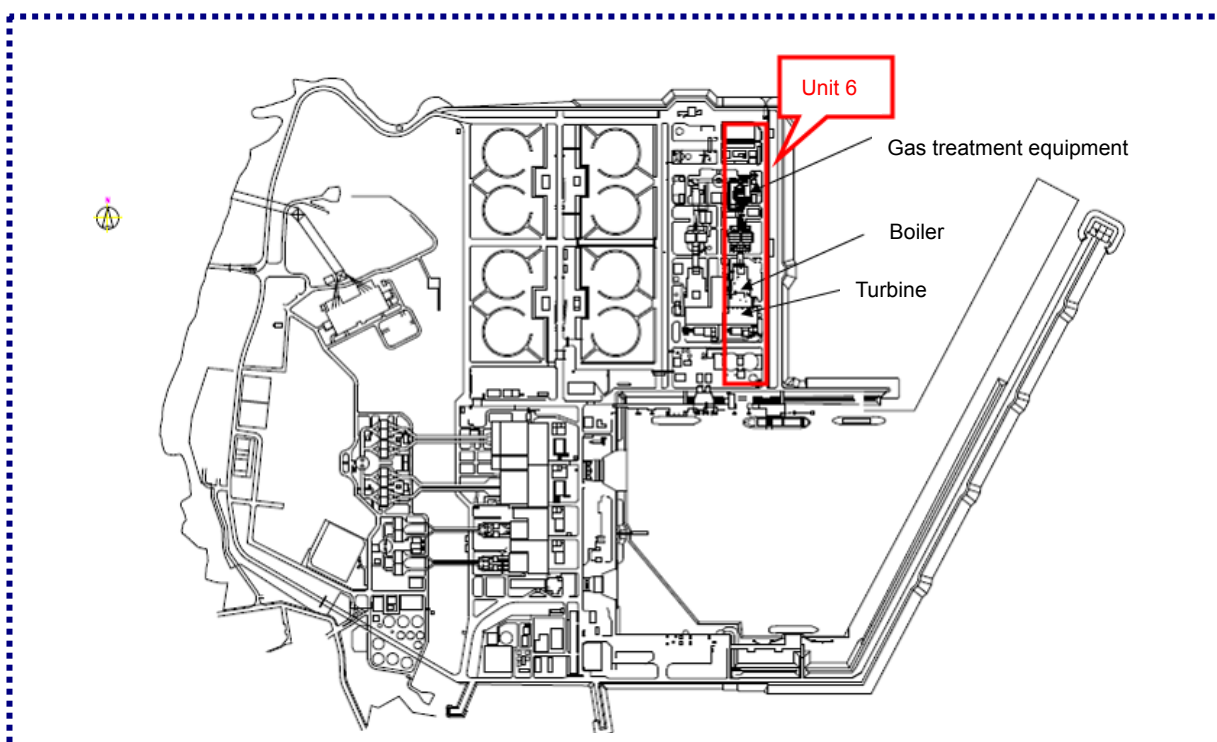
2. Construction history of Unit 6

- October 24, 2008 Submission of construction plan (Article 48 of the Electricity Business Act)
- December 1, 2008 Commencement of construction
- April 12, 2013 Commencement of trial operation (initial synchronization)
- December 3, 2013 Commercial operation commencement of Unit 6

3. Location of Hirono Thermal Power Station



4. Current site map of Hirono Thermal Power Station



5. Unit 6 of Hirono Thermal Power Station



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