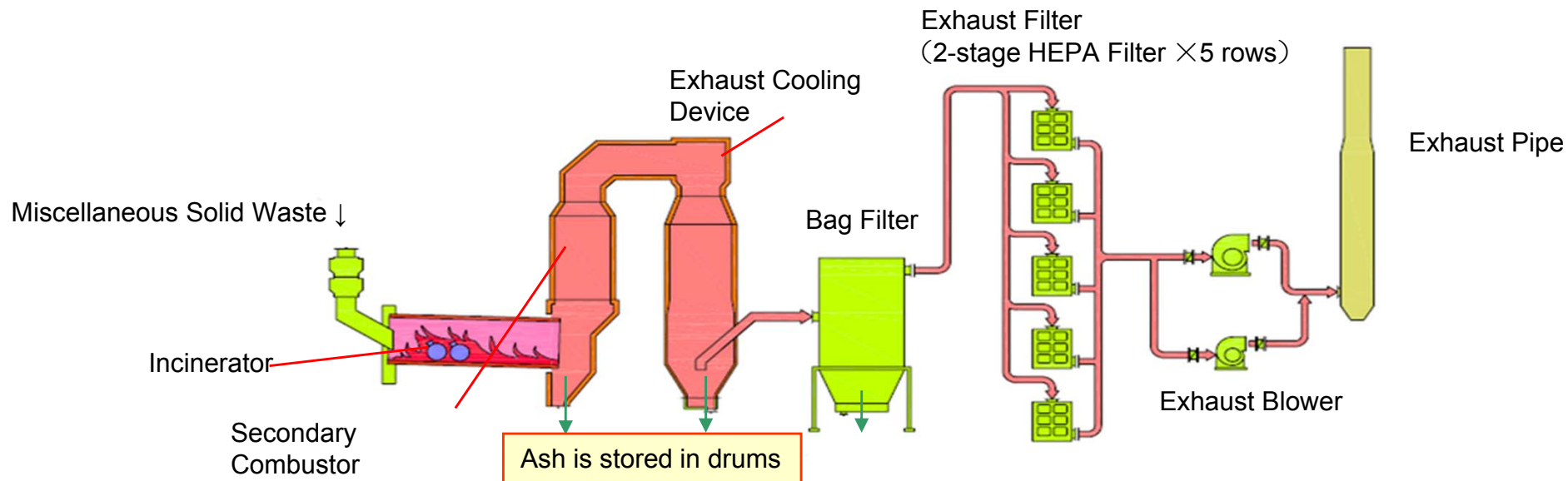


# 1.1 Progress Status of Miscellaneous Solid Waste Incineration Facility Installation

## Miscellaneous Solid Waste Incineration Facility (overview of the equipment)



Incinerator type	Rotary kiln incineration system*1
Capacity	300kg/h × Incinerator equipment A and B*2 (24h/day)
Waste types	Miscellaneous Solid Waste <ul style="list-style-type: none"> <li>• Personal protective equipment (tyvek • underwear • rubber gloves etc.)</li> <li>• Construction waste (rags • woods • packing materials • paper, etc.)</li> </ul> Waste oil, Spent resins, Lumber
System decontamination coefficient *3	Above 10 <sup>6</sup>
Scheduled Time for Commercial Operation	Second half of FY2015
Location of Installation	1F northern yard at Units 5 and 6 (Dimensions: approx. 69.0m x approx. 45.0m x height approx. 26.5m)

- 1: Waste incineration in rotary kiln incineration system is incineration process in which waste, which is dumped into the waste feeding inlet of a inclined, horizontal cylindrical incinerator, is stirred through the rotation of the incinerator and is processed into ashes, taking some time.
- 2: The facility is equipped with incineration equipment A and B, which each include devices ranging from the Waste Feeding Inlet to the Exhaust Blower. A and B share one Exhaust Pipe.
- 3: System decontamination coefficient is the reduction rate of radioactive concentrations. "Above 10<sup>6</sup>" means the concentration value has become below one millionth.

# 1.2 Progress Status of Miscellaneous Solid Waste Incineration Facility Installation



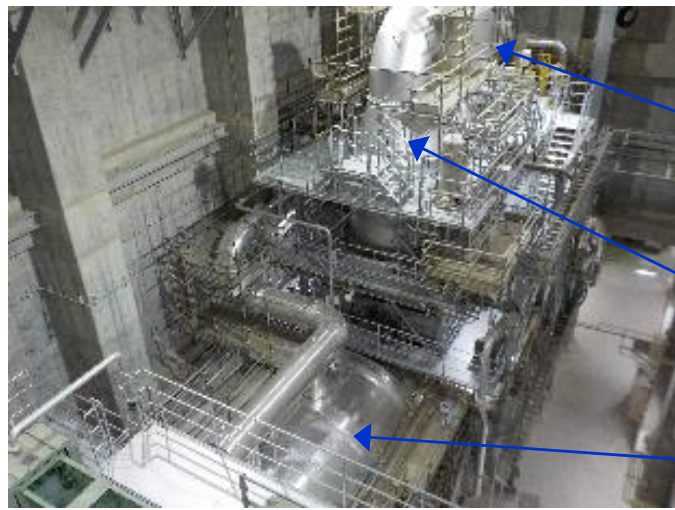
View of the whole facility



Electric panel room



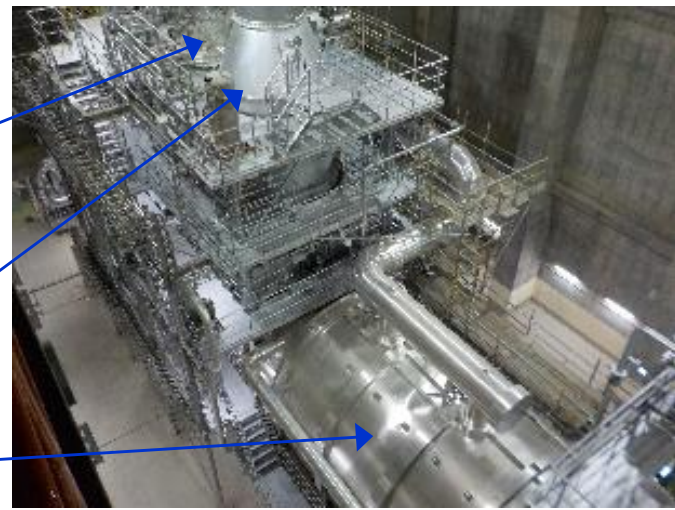
Control room under trial operation



Incineration Equipment A

Progress status (with touching up paint, installation of insulation materials etc., in progress)

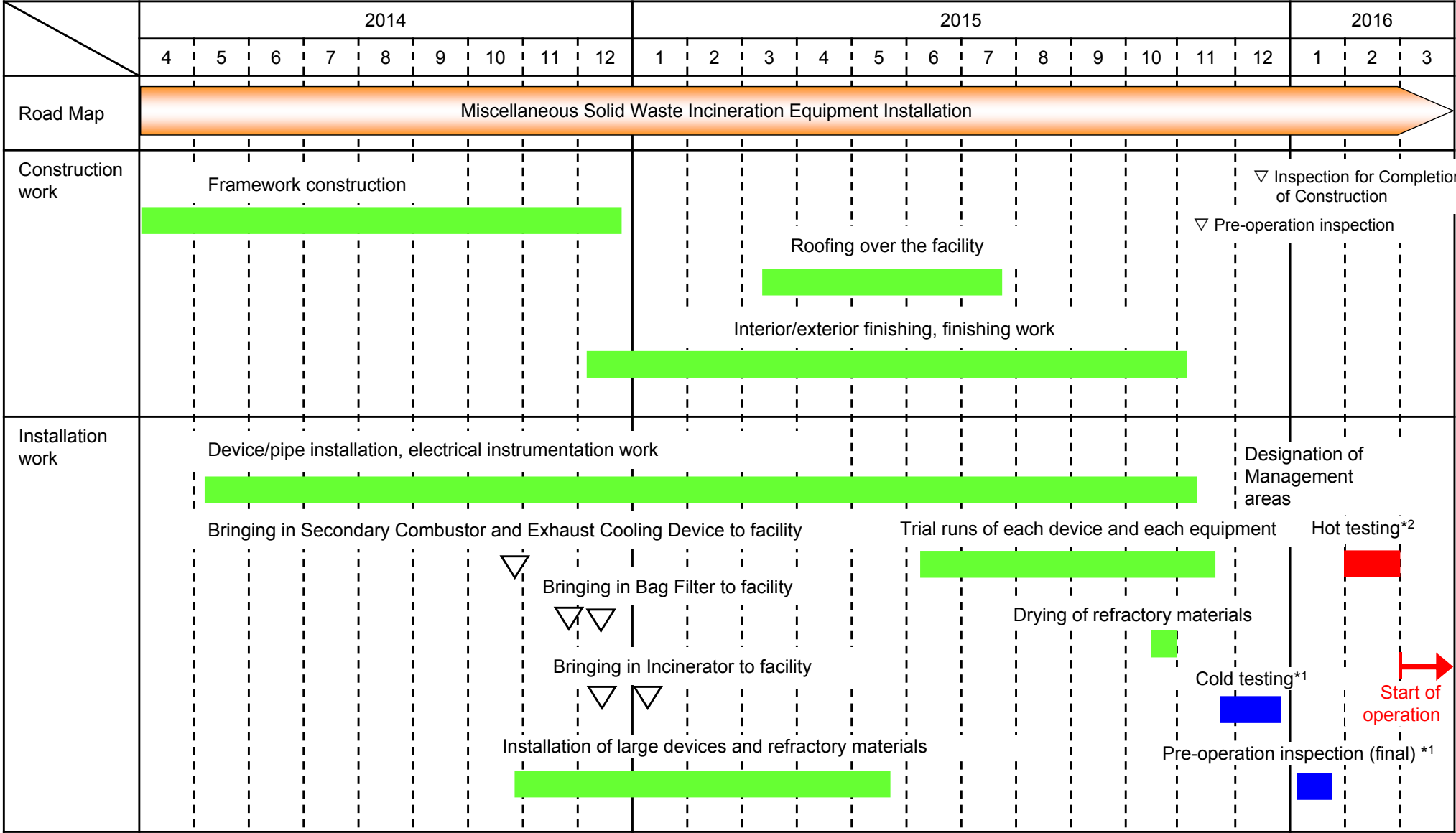
- Exhaust Cooling Device
- Exhaust Cooling Device
- Secondary Combustor
- Secondary Combustor
- Incinerator
- Incinerator



Incineration Equipment B

Progress status (with touching up paint, installation of insulation materials etc., in progress)

# 1.3 Progress Status of Miscellaneous Solid Waste Incineration Equipment Installation



Note:  
 1. A cold testing or a pre-operation inspection means a trial run of burning in which non-contaminated simulated waste was used.  
 2. A hot testing means a trial run of burning in which contaminated real waste will be used.

Notice: Depending on the progress status of the construction, the road map above may change.

## 2. Implementation of “Cold Testing”

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- Implementation dates: From November 25 to the end of December, 2015
- An Objective: To check how the whole facility works and functions by burning non-contaminated simulated waste.
- Points to be checked:
  - To check whether the equipment can maintain negative pressure
  - To check how each operational mode works and whether the emergency stop system can work
  - To check the facility environment (facility temperature etc.)
  - To check waste, incinerated ash, and dust scattering prevention function
  - To check incinerator function (300kg/h x Incinerator equipment A and B) and each parameter
  - To check the characteristics of exhaust gas and incinerated ash
- Objects to be incinerated ([Non-contaminated simulated waste](#))  
Polyethylene sheet (one of the materials with which objects to be incinerated are made), cotton sheet, cardboard, lumber, natural rubber sheet, etc.