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**“Sumizo-kun” operating procedure**

- ① Pre-service inspection (operation confirmation of each device)
- ② Inputting of raw materials
- ③ Fuel injection
- ④ Combustion furnace ignition
- ⑤ Check of operating condition (whether there are any problems)
- ⑥ Emission and management of charcoal
- ⑦ Management of combustion furnace temperature (over 550 °C)
- ⑧ Replenishment of fuel
- ⑨ Repeat 5 to 8 above
- ⑩ Finishing operation (extinguishing of combustion furnace, etc.)



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⑦ The combustion furnace reached 600 °C in about 10 to 15 minutes after ignition. (left)  
Operate and manage so the internal temperature of the combustion furnace is 550 °C or above. (right)



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⑧ Fuel replenishment  
About 1.5 hours after ignition, since the furnace temperature fell below 550 °C, fuel (wood chips) were inputted. After that, they were added every hour.



About smoke from chimney.

Although after adding fuel white smoke rises until the temperature rises, it gradually becomes less thick until it is not visible.

For odors, deodorize by spraying activated EM solution.