CLAIMS

[Claim 1] A method of cooling down a liquid container that stores a cryogenic liquid, the method comprising:

combining

spraying supply of supplying the cryogenic liquid into the liquid container by spraying and

non-spraying supply of supplying the cryogenic liquid into the liquid container; and

when a temperature of the liquid container becomes lower than a predetermined threshold before the cool-down of the liquid container is completed, starting the non-spraying supply or increasing the amount of cryogenic liquid supplied in the non-spraying supply.

[Claim 2] The method according to claim 1, wherein when the temperature of the liquid container becomes lower than the threshold, the spraying supply is stopped, or the amount of cryogenic liquid supplied in the spraying supply is reduced.

[Claim 3] The method according to claim 1 or 2, wherein:

in the spraying supply, the cryogenic liquid is supplied from an upper region inside the liquid container; and

in the non-spraying supply, the cryogenic liquid is supplied from a lower region inside the liquid container.

[Claim 4] A storage facility comprising:

a liquid container that stores a cryogenic liquid;

a spraying supply pipe that supplies the cryogenic liquid into the liquid container by spraying;

a non-spraying supply pipe that supplies the cryogenic liquid into the liquid container; and

circuitry configured to

execute a cool-down program that cools down the liquid container by combining supply of the cryogenic liquid from the spraying supply pipe and supply of the cryogenic liquid from the non-spraying supply pipe and

in the cool-down program, when a temperature of the liquid container becomes lower than a predetermined threshold before the cool-down of the liquid container is completed,

start the supply of the cryogenic liquid from the non-spraying supply pipe or increase the amount of cryogenic liquid supplied from the non-spraying supply pipe.