

February 25, 2021

To whom it may concern

White smoke at the Nagoya Plant (2nd Report)

February 19, 2021 at around 12:15, white smoke was observed at the Nagoya Plant (7 Tsukiji-cho, Minato-ku, Nagoya City, Aichi Prefecture), which manufactures chemicals and other products. (Reference: White smoke at the Nagoya Plant 1st Report on February 19, 2021

https://www.nissanchem.co.jp/eng/news_release/release/en2021_02_19.pdf)

We deeply apologize for the great inconvenience and concern caused to the residents in the neighborhood and all those involved. We have reported to the Aichi Prefectural Health and Medical Bureau on 24 February and would like to provide an update on the current situation regarding this matter. We have received permission from the authorities and have resumed operations.

1. Location of the occurrence

Sulfuric acid plant in Nagoya factory

2. Time of occurrence

Date of occurrence: Around 12:15 on Friday, February 19, white smoke from Sulfuric acid plant.

Time of cessation of white smoke: After the plant was shut down and the white smoke subsided, it was found that fuming sulfuric acid (liquid) was leaking around the leak point (3F) and on the lower floor (2F). Dry sand was applied to absorb the liquid, and the stainless steel piping, which had holes due to corrosion, was banded. At around 14:50 on the same day, it was confirmed that the leak had stopped.

3. Damage status

Human damage: None

Property Damage: None

4. Environmental Impact

There was a leak of fuming sulfuric acid and sulfur trioxide gas in the fuming sulfuric acid, but the results of the gas detector indicate that there is no impact on the surrounding area outside the plant premises.

5. Cause and countermeasure

Cause: It is suspected that the stainless steel pipe through which the fuming sulfuric acid passes has been punctured by erosion (material wear caused by the fluid) and corrosion (chemical corrosion).

Countermeasures:

(1) Piping

The pipework was replaced with glass lined pipework which is more corrosion resistant.

(2) Measures against leakage

To prevent the leakage of sulfuric acid to the lower floors, a plate was welded to the opening of the floor on the third floor.

6. Production impact

No impact

7. Future actions

We have been doing our best to maintain and inspect our facilities, but we are determined to do even more to prevent such an accident from happening again. In addition, we will share this information with all our other plants and we will work on safety activities.

Contact information for inquiries on the above
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