INCIDENT REPORT

November 3 2025

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[redacted]

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The following is a incident report concerning a Dark Haze from Mediwaste Medical waste stack. The report has been divided into five sections as follows:

1. When
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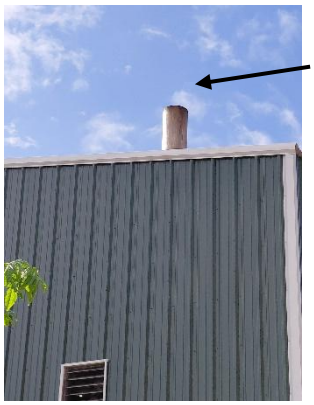
1. When

November 09, 2025, at 0930

2. Where

Mediwaste main stack for medical waste incineration (See below)



Dark colored haze was spewing from the stack during every blowdown sequence in the pollution control system (PCS) which lasted about 2 to 3 mins. The blowdown sequence occurs every 7 mins.

There were no indications on the Testo unit indicating that there was dark haze from the stack. There was an indication that CO and CO2 were high after reviewing the Testo data.

The plant was shut down as soon as the haze was observed. The plant takes two hours to cooldown and the dark haze decreased substantially within 30 mins after the plant stopped burning medical waste.

3. How

The PCS took 24 hours to cool down from 375°C to a safe temperature for the staff to perform an inspection of the PCS. During our inspection of the PCS, we found 18 of the (Candles) were damaged and required replacement. 56 Ceramic gaskets holding the candles in place were also damaged and required replacement.

We replaced all Element gaskets (440) with new gaskets, and we replaced 25 of the elements.

Dark haze will be seen from the medical waste stack if 4 or more G3-1.25m Ceramic Elements are damaged.

4. Why

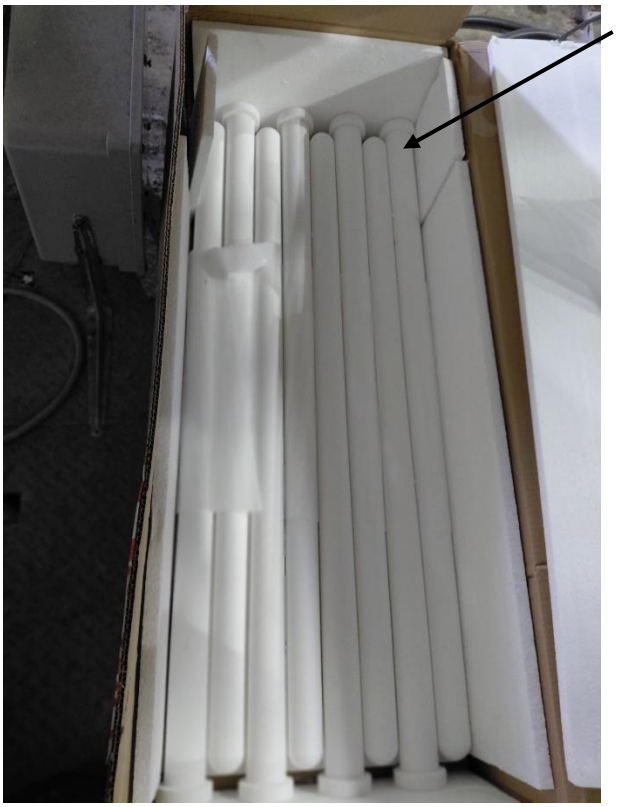
We conducted some additional investigation of the PCS and found the following:

The manifold (See Photo below) supplying the high-pressure air for the PCS blowdown had moved about 5° clockwise therefore a high frequency sound would occur during blowdown and the high pressure air didn't not reach the interior of the G3-1.25m Ceramic Elements and due to insufficient air flow during the blowdown the ash on the exterior section of the G3-1.25m Ceramic Elements was not removed. The ash accumulated on the exterior of the elements triggered a failure of the elements and the gaskets holding the elements.

Main Manifold for the blowdown high pressure air supplies

G3-1.25m Ceramic Elements

Internal hollow section of the G3-1.25m Ceramic Elements. The blowdown high pressure airflow flows through the hollow area.



5. Solution

We will conduct full inspections of the PCS every three weeks of the blowdown manifold, Element gaskets and Elements. If there are any indication of a dark Haze excepting from the stack we will stop burning and investigate.