

The Action Plan outlines the emissions reduction measures to be implemented by Algoma Steel, with the primary focus on utilizing the best available technologies to reduce the impact of emissions in the community. This Action Plan is derived from the results of the Technology Benchmarking Report and follows the site-specific standard compliance approach as detailed in Ontario Regulation 419/05.

## Algoma’s Action Plan is as follows:

Algoma will progressively shut down its cokemaking, ironmaking (#7 Blast Furnace), and Basic Oxygen Furnace (BOF) steelmaking operations as the facility transitions to electric arc furnace (EAF) steelmaking. The transition is characterized by the following operating scenarios: Current (2022-2024), Interim (2025), Interim (2026-2028), and Future (2029-onwards), as shown in the figure below.



### Actions to reduce Benzene:

- Progressive shut down of the #7, #8, and #9 coke oven batteries and the by-product process.
- Maintain compliance with the existing coke oven battery leak performance limits. Maintain a Leak Detection and Repair (LDAR) program for fugitive benzene emissions in the cokemaking and by-product areas.

### Actions to reduce Benzo(a)pyrene:

- Progressive shutdown of the #7, #8, and #9 coke oven batteries and the by-products process.
- Maintain compliance with the existing coke oven battery leak performance limits.

### Actions to reduce Total Suspended Particulate matter:

- Progressive shutdown of the #7, #8, and #9 coke oven batteries; the shutdown of #7 Blast Furnace; the shutdown of BOF steelmaking; the removal of coal piles; the cessation of coal handling; the removal of coke handling and screening; and the implementation of two new fume treatment plants (FTP, aka baghouses) that will service the EAFs.

- Maintain best management practices for dust suppression to minimize fugitive particulate emissions. These practices include the paving of roads, surfactant application, watering of road surfaces and paved road sweeping. It has also been recognized that by using freeze-proof road surfactants, which can be applied earlier in the season, peak particulate release periods are curtailed during the spring months.

### **Actions to reduce Sulphur dioxide:**

- Progressive shutdown of #7, #8, and #9 coke oven batteries; the shutdown of the by-product process; the shutdown of #7 Blast Furnace and associated slagging operations.

Once the transition of the manufacturing process from basic oxygen to electric arc steelmaking is complete, the facility expects to be in compliance with Ontario Reg. 419/05 Schedule 3 standards by 2029, and site-specific standards will no longer be required.

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