



U. S. Chemical Safety and Hazard Investigation Board

RECOMMENDATION STATUS CHANGE SUMMARY

Report:	United States Steel Corporation Clairton Plant Coke Oven Explosion
Recommendation Number:	2025-03-I-PA R6
Date Issued:	August 10, 2026
Recipient:	Nippon Steel North America, Inc.
New Status:	Open – Awaiting Response or Evaluation/Approval of Response
Date of Status Change:	Not Applicable – Initial Status

Recommendation Text:

Develop and implement a corporate process safety governance program to ensure the implementation of process safety management at applicable facilities. At a minimum, this program shall:

- include regular audits of subordinate facilities throughout the organization;*
- require the documentation of process safety deficiencies, when identified, and prompt corrective action; and,*
- incorporate industry guidance, such as the Center for Chemical Process Safety's (CCPS) Guidelines for Implementing Process Safety Management, the CCPS's Process Safety – Leadership from the Boardroom to the Frontline, and other industry good practice guidance publications.*

Board Status Change Decision:

A. Rationale for Recommendation

On August 11, 2025, a loss of containment of coke oven gas at the U.S. Steel Clairton Coke Works facility in Clairton, PA resulted in an explosion. The loss of containment occurred when a valve in a coke oven battery was over pressurized during maintenance. The explosion fatally injured two workers, injured eleven other workers, and resulted in \$52.2 million in property damage.

The U.S. Chemical Safety and Hazard Investigation Board (CSB) investigated the incident and found several safety issues including deficiencies in process safety management such as a lack of procedures and ineffective hazard analyses. Facility siting was specifically noted as a deficiency during the investigation. As a result of these findings, the CSB issued one recommendation to Nippon Steel North America, Inc. This status change summary addresses CSB Recommendation No. 2025-03-I-PA R6.