

# Things to Not Forget - Emergency Preparedness, Monitoring & Sampling

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# Emergency Preparedness

- Emergency Contact Lists
- Response Teams
- Management of Change
  - Training for New Employees
  - New Processes

# Accident Prevention

## NFPA® 652 Standard on the Fundamentals of Combustible Dust **DUST HAZARD ASSESSMENT – DEADLINE Sept 7, 2020**

- Do I handle/produce combustible dust ?
  - ASTM Test Procedures – Screening/Quantitative
  - MA Fire Code – 527 CMR 1.00 - Chapter 40
    - Permit Required for “An operation that uses or produces combustible dust”
    - Incorporates by reference:
      - NFPA 484 – Combustible Metals
      - NFPA 654 – Manufacturing, Processing and Handling of Combustible Particulate Solids
      - NFPA 664 – Wood Processing and Woodworking Facilities

# Accident Prevention

- Detailed review of process systems and management
  - Fugitive Dust Control
  - Control of Ignition Sources
  - Fire Protection
  - Training and Procedures
  - Inspection & Maintenance

**DUST HAZARD ASSESSMENT – DEADLINE Sept 7, 2020**

# **NEW** - FEDERAL ACCIDENT REPORTING REGULATIONS:

**40 CFR Part 1604** Chemical Safety and Hazard Investigation Board

**EFFECTIVE MARCH 23, 2020**

## **§1604.3 Reporting an accidental release.**

(a) The owner or operator of a **stationary source** must report in accordance with paragraph (b) or (c), any **accidental release** resulting in a fatality, **serious injury** or **substantial property damage**.

Notify the CSB **within 8 hours** at [report@csb.gov](mailto:report@csb.gov), or 202-261-7600.

Alternatively, first notify NRC and then communicate NRC ID# to CSB within 30 min.

## CSB REPORTING REQUIRED:

### § 1604.4 Information required in an accidental release report.

The report required under § 1604.3(c) must include the following information regarding an accidental release as applicable:

- (a) The name of, and contact information for, the owner/operator;
- (b) The name of, and contact information for, the person making the report;
- (c) The location information and facility identifier;
- (d) The approximate time of the accidental release;
- (e) A brief description of the accidental release;

Notify the CSB **within 8 hours** at [report@csb.gov](mailto:report@csb.gov), or 202-261-7600.

Alternatively, first notify NRC and then communicate NRC ID# to CSB **within 30 min.**

## Information required for CSB report (continued).

- (f) An indication whether one or more of the following has occurred:
  - (1) Fire;
  - (2) Explosion;
  - (3) Death;
  - (4) Serious injury; or
  - (5) Property damage;
- (g) The name of the material(s) involved in the accidental release, the Chemical Abstract Service (CAS) number(s), or other appropriate identifiers;
- (h) If known, the amount of the release;
- (i) If known, the number of fatalities;
- (j) If known, the number of serious injuries;
- (k) Estimated property damage at or outside the stationary source; and

**Notify the CSB **within 8 hours** at [report@csb.gov](mailto:report@csb.gov), or 202-261-7600.**

**Alternatively, first notify NRC and then communicate NRC ID# to CSB **within 30 min.****

## Information required for CSB report (continued).

- (I) Whether the accidental release has resulted in an evacuation order impacting members of the general public and others, and, if known:
- (1) The number of persons evacuated;
  - (2) Approximate radius of the evacuation zone; and
  - (3) The type of person subject to the evacuation order (*i.e.*, employees, members of the general public, or both).

**Notify the CSB **within 8 hours** at [report@csb.gov](mailto:report@csb.gov), or 202-261-7600.**

**Alternatively, first notify NRC and then communicate NRC ID# to CSB **within 30 min.****



## CSB Historical Review of Accidental Releases

2009 to 2019 – **1,923 Accidental Releases**

Top 19 Industry Sectors with 10 or more Accidental Releases (Filtered for those likely to be found in New England)

4. Chemical & Allied Products Merchant Wholesalers
6. Basic Organic Chemical Mfg
7. Misc. Chemical Product Preparation Mfg
8. Plastic Material & Resin Mfg
11. Water Supply Systems
12. Petroleum Products Merchant Wholesalers
13. Site Preparation Contractors
16. Sewage Treatment Facilities
18. General Automotive Repair
19. Fitness and Recreational Sports Centers

**CSB estimates an average of 200 reports per year in the US under the new rule.**

## Sampling Required by Permits

- Stormwater – MSGP Quarterly
- Wastewater
- Air Emissions
  - CEM Systems
  - Stack Tests

# Waste Water Operations

- Daily Operating Logs
- Staffing Plan Changes
- Annual review of O&M Manual

# Hazardous Waste Operations

- New Waste Determinations
- Waste Accumulation Areas
- Hazardous Waste Manifests
- Training for Employees



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*Thank you!*

Q & A

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