

Emergency Response Plan

Purpose:

The goal of this emergency plan is to minimize hazards to human health and the environment from fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water.

First Response Information:

Hazardous Waste Facility Emergency Call List:

(Please note that the employees living nearest to the facility are listed first.)

	Name	Phone Number	Location
	Hassan Mechiche	617-794-4567	Cell
	Michael Hulen	978-544-6322	Cell
		978-549-6322	Home
	Lynn Hulen	978-443-0425	Home
		978-549-6322	Home
	Bob Kalukiewicz	978-486-9049	Home
		617-281-4281	Cell
	Bill Sicard	978-870-0426	Cell
	Lauren Hughes	203-671-9789	Cell

Contact the Emergency Coordinator:

Michael Hulen: Home-978-443-0425 Cell-978-549-6322

If the Emergency Coordinator is unavailable, contact the Acton Police.

For emergency response call the Acton Police at 911.

Call the Acton Fire Department at "911"

Emergency Spill Contact- EQ at 1800-535-5053

and Acton Board of Health at 978-264-9634 in case a large spill occurs.

Emerson Hospital

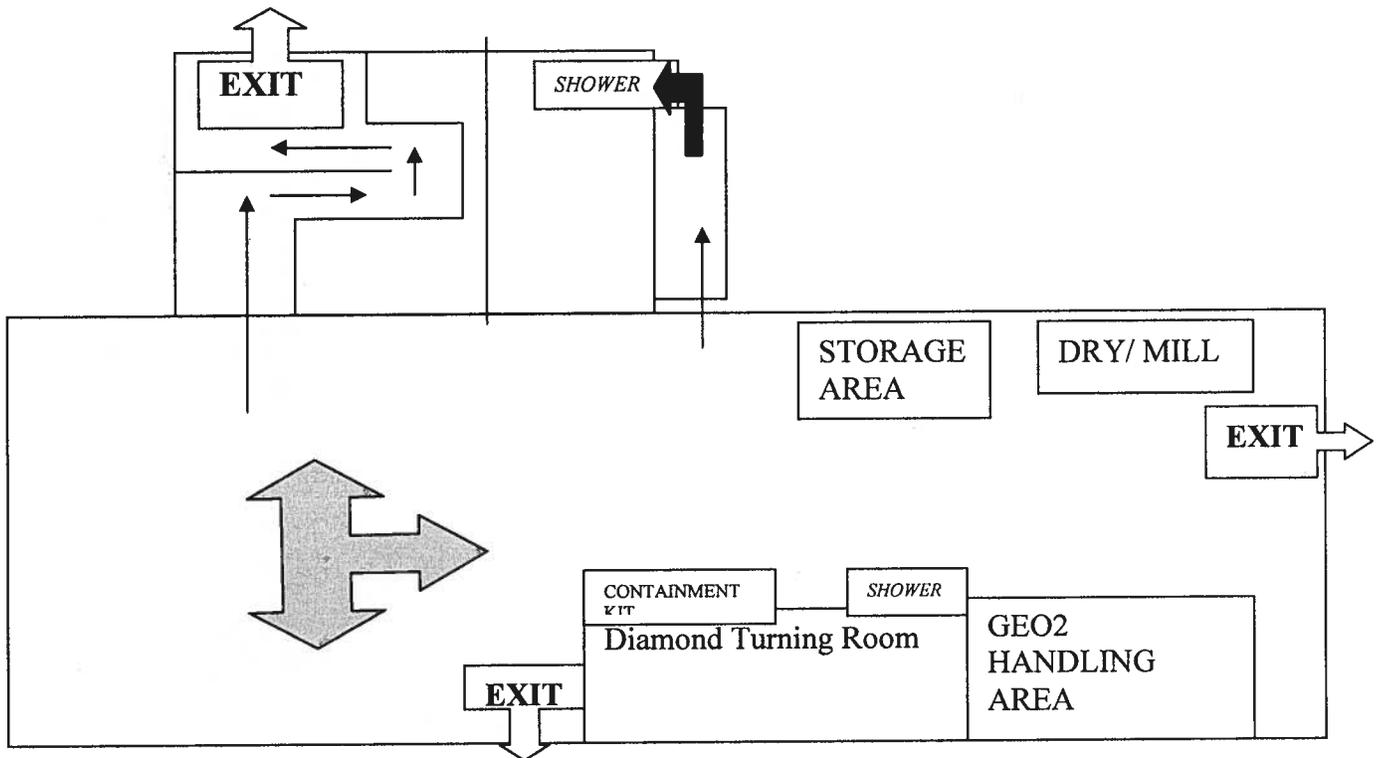
For closest emergency room: Route 2, Concord MA.

If the spill is not contained to the building or the leakage is too extreme, then leave the room immediately and contact The Acton Fire Department at "911" The Department of Environmental Protection at (508) 792-7692.

Evacuation Routes and Procedures

People Safety First

- Before helping any personnel out of the spill area, wear all the safety requirements such as full mask respirators, coverall rubber suits and latex gloves.
- If any person comes in contact with the hazardous material spilled, then take the person to the shower and wash with extensively with water. For Specific instructions, please refer to **Hazardous Materials emergency to do list document**.
- Call for an ambulance and send directly to the hospital if needed.
- Evacuate the building.
- Check in and sign out of the building out front at the Novotech sign with the facility manager.



CASE A: Reactor Leak

a. If Gas leakage occurs:

1. Make sure you wear all the required safety gear such as: full mask respirators with HEPA system, coverall rubber suit and latex gloves. If not, leave the room immediately.
2. Open the scrubber system immediately.
3. Notify a third party about the incident, so that all people within the area can be evacuated safely.
4. Recheck the ventilation system in milling and dioxide rooms. Make sure the ventilation system in the other rooms are closed.
5. Turn off the temperature controller if the heating system is ON.
6. If possible, stop the leakage by putting a stopper in place.
7. Turn off the room HVAC system.
8. Turn on the cooling system for the reactor.
9. Release the entire heating mantle.
10. Make sure all the ventilation systems are open.
11. Turn on the big fan.
12. Leave the room immediately and close all doors.
13. If a big leakage occurs, **Call the Acton Fire Department at "911" and Acton Board of Health at 978-264-9634.**

929-6632

b. If a small spill of HCl or nitric acid occurs:

1. Make sure you wear all the safety requirement gear such as: full mask respirators with HEPA system, coverall rubber suit and latex gloves. If not, leave the room immediately.
2. Try to contain/prevent the enlargement of the spill.
3. Dilute it with water and neutralize it with appropriate absorbent material.
4. Notify a third party about the incident.

5. **Call the fire department at 911, if the spill is too extreme.**

CASE B: Hazardous Material Spill

Take care of people first.

- a. Help any affected personnel: flush eyes, skin, etc.
- b. Call medical emergency responders if necessary.

2. Assess spill.

- a. Is there a potential for material to escape the confines of the building?
- b. Is there a way to stop continuing leakage or spillage?
- c. Is there equipment or material that needs to be protected from the spill?
- d. Where will material go if it continues to spill or leak?
- e. Is there potential risk to personnel?

3. Determine appropriate protective equipment.

- a. Gloves
- b. Face shield
- c. Coveralls
- d. Boots
- e. Respirator

4. Mitigate spill.

- a. Stop the leak or spill at the source if possible.
- b. Block enlargement of spill area with absorbent materials.

5. Notify

- a. Notify one of the following (if after hours):

Hassan Mechiche	617-794-4567
Michael Hulen	978-443-0425
Bob Kalukiewicz	978-486-9049

- b. If spill is large or reaches outside the building, notify the Acton Fire Department at "911" and the Department of Environmental Protection (DEP) at (508) 792-7692.

6. Clean up.

- a. Place absorbent materials in a drum. Label the drum as hazardous waste.
- b. Place contaminated soil in a drum. Label the drum as hazardous waste.
- c. Neutralize affected surfaces.

7. Report

Write a detailed report of the incident, including date, events leading up to the spill, names of personnel involved, description of injuries, description of material spilled, estimate of quantity spilled, notifications made, mitigation and cleanup measures.