Hazard Communication Training

Revision Date: September 2015

29 CFR 1910.1200
Hazard Communication Standard

- The primary purpose of the HCS is to protect employees, guest, and contractors from exposure to hazardous chemicals.

It's Your Right to Know!

SC & MT's Responsibilities Include:

- Having a written HCP;
- Explaining the HCS, the HCP and how it works to employees;
- Providing employees with information and training on the hazardous chemicals they use, including their hazards and protective measures to take to use them safely.

Employees' responsibilities under the HCS

- Participate in the training;

- Read labels and Safety Data Sheets or SDSs (Formerly MSDSs or Material Safety Data Sheets) and follow the Ten Commandments of Chemical Use.

What is a Hazardous Chemical?

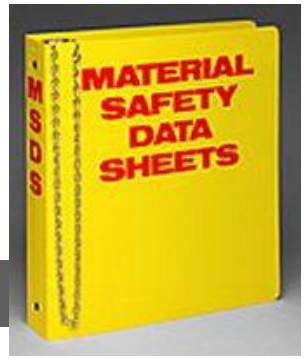
- A chemical is considered hazardous if it can negatively effect the health of people or the environment.

- Many chemicals used at home or on the job can be safety and/or health hazards if they are not handled, used, and disposed of properly.

Chemicals that can cause health effects include:

- **Carcinogens** can cause cancer
- **Teratogens** can cause damage to a fetus
- **Toxins** can be lethal in high enough dosage/concentration
- **Corrosives** cause visible destruction of living tissue at the site of contact
- **Irritants** cause a reversible inflammatory effect on living tissue by chemical action at the site of contact
- **Sensitizers** can cause an allergic reaction after repeated exposure to the chemical

List of Hazardous Chemicals



- The list of the hazardous chemicals used by SC & MT is kept in the SDS binder that is located at:

SC Locations

- Levy Main Kitchen (EL)
- Paint Shop (EL)
- Eng. Office (EL)
- UC 31 Chemical Storage
- Welding Shop (EL)
- Sam Kropp's Office (3rd Fl. Office Tower)
- Ed Flewelen's Office (EL)

MT Locations

- Engineering Office B145 (Basement Level)
- Janitor B192 (hallway behind Guest Services)
- Janitor B109 (next to Dressing Room A)
- Janitor 165 (South Orchestra next to men's restroom)
- Janitor 118 (across from Lower VIP)
- 4th Floor Paint Shop (north side)
- 4th Floor Janitorial Storage (south side)

Safety Data Sheets (SDSs)

Safety Data Sheets (SDSs) Formerly known as Material Data Safety Sheets or MSDSs (per the Hazard Communication Standard revised in 2012), are the #1 source of information to ensure safe use of hazardous chemicals. A SDS Sheet includes:

- The properties of each chemical
- The Physical & Environmental Health Hazards
- Protective measures
- Safety precautions for handling, storing, and transporting the chemical

4 Routes chemicals can enter body

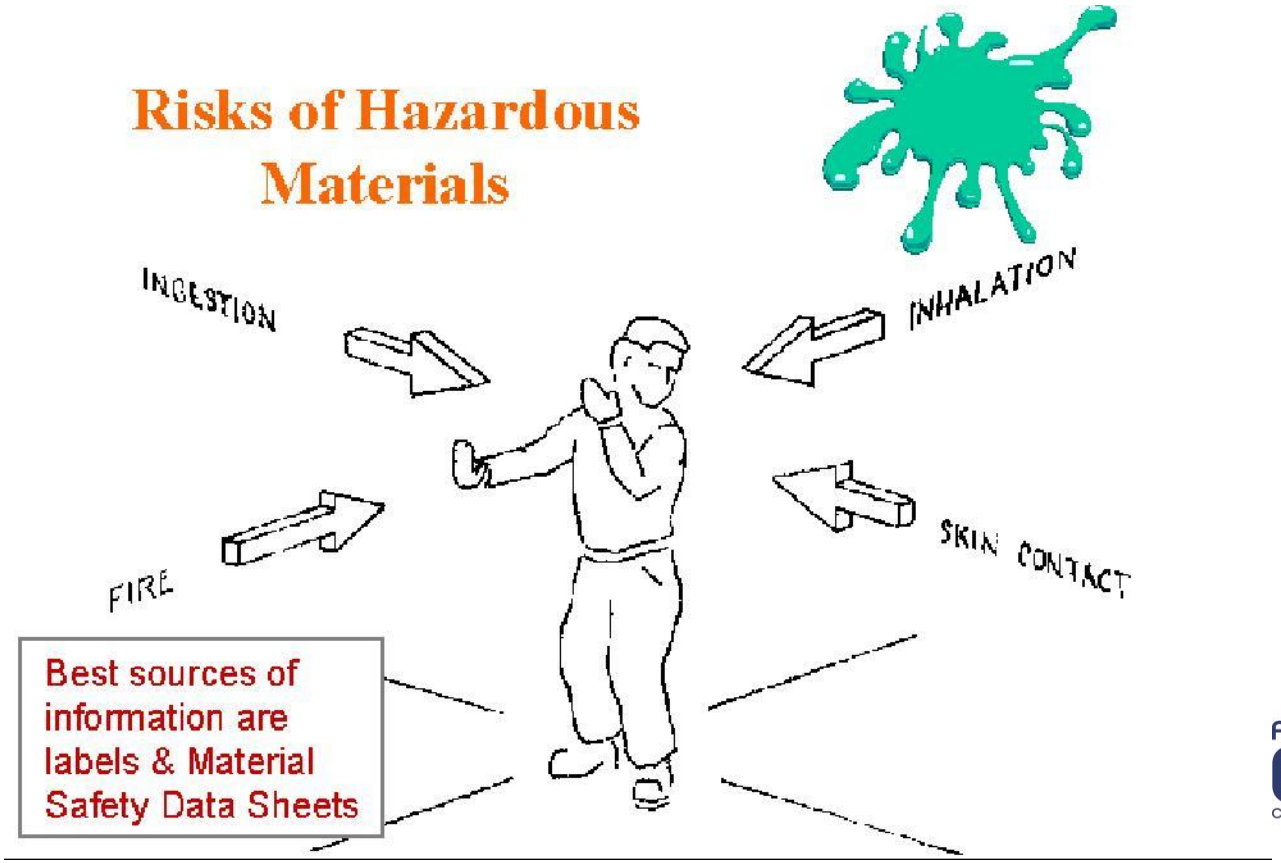
Route

- Absorption/Skin and Eye contact
- Inhalation
- Ingestion/swallowing
- Injection

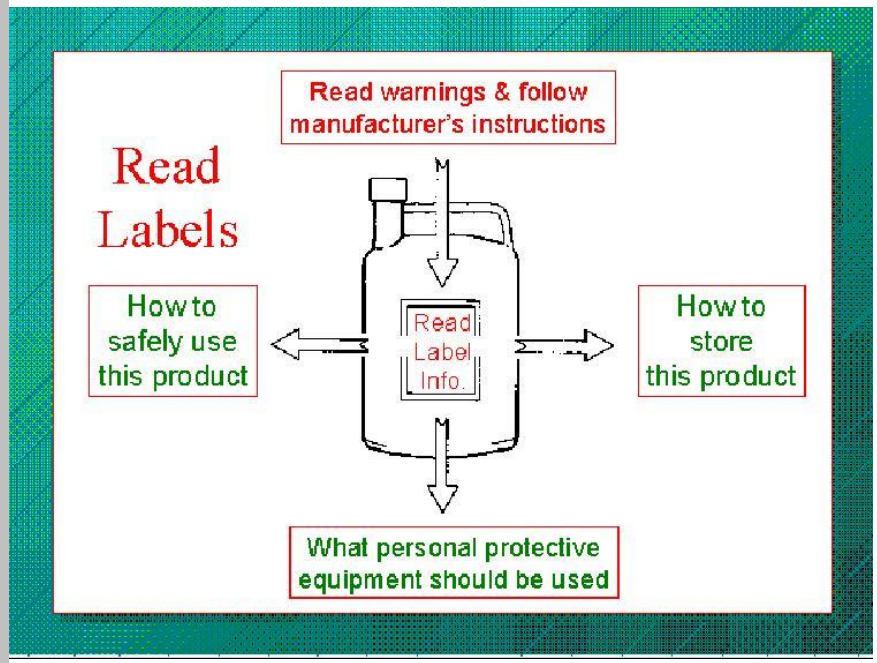
Possible effects

- Burns, rashes, dermatitis, allergies, irritations, blindness
- Dizziness, nausea, headache, throat & lung damage.
- Damage to esophagus, stomach, or liver.
- Damage to organs, blood, skin, eyes, etc.

How Hazardous Chemicals can enter your body



Container Labeling

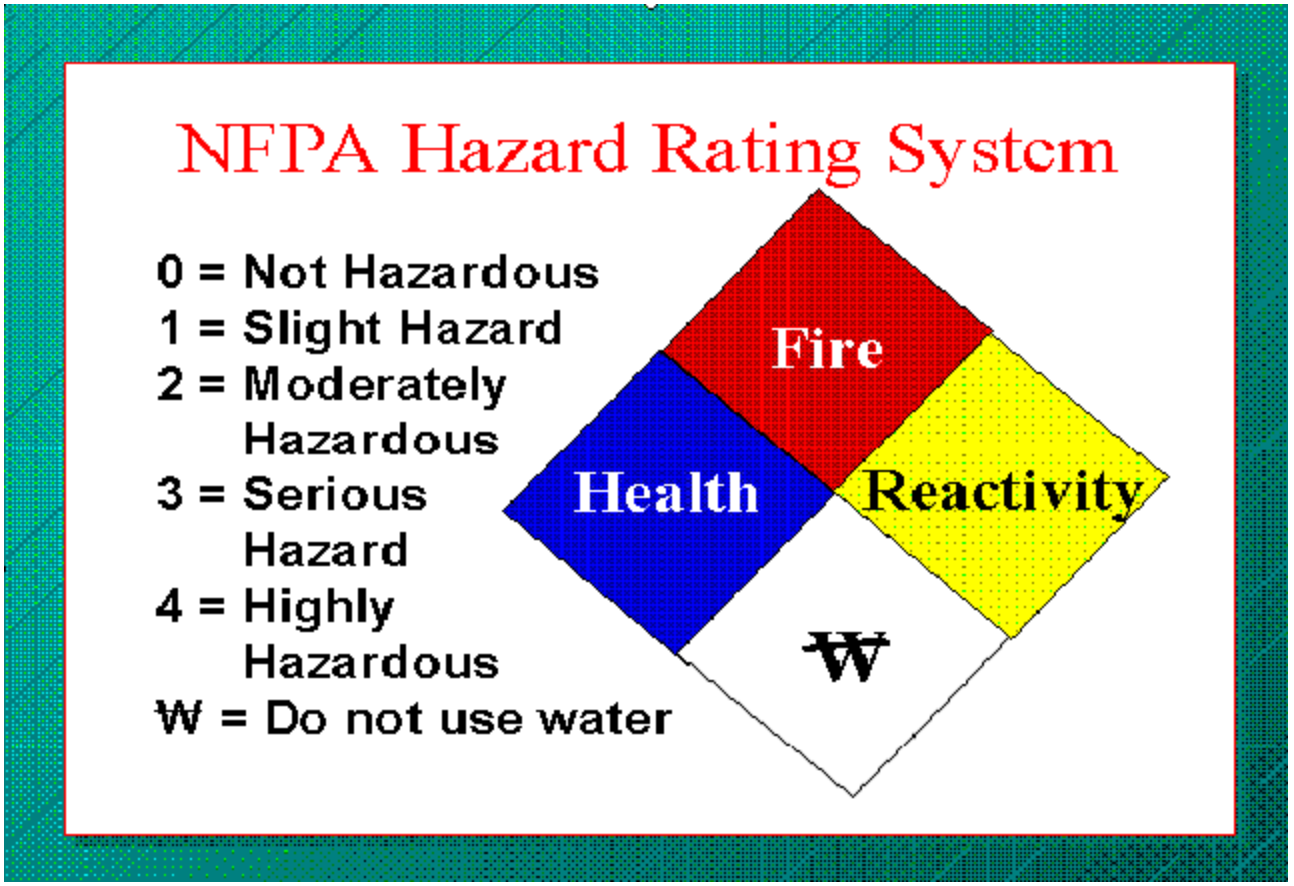


- Name of the chemical
- Name of the company that manufactured or imported the chemical
- Physical and health hazards
- How you can protect yourself
- Hazardous Materials Identification System
- National Fire Protection Association labeling system

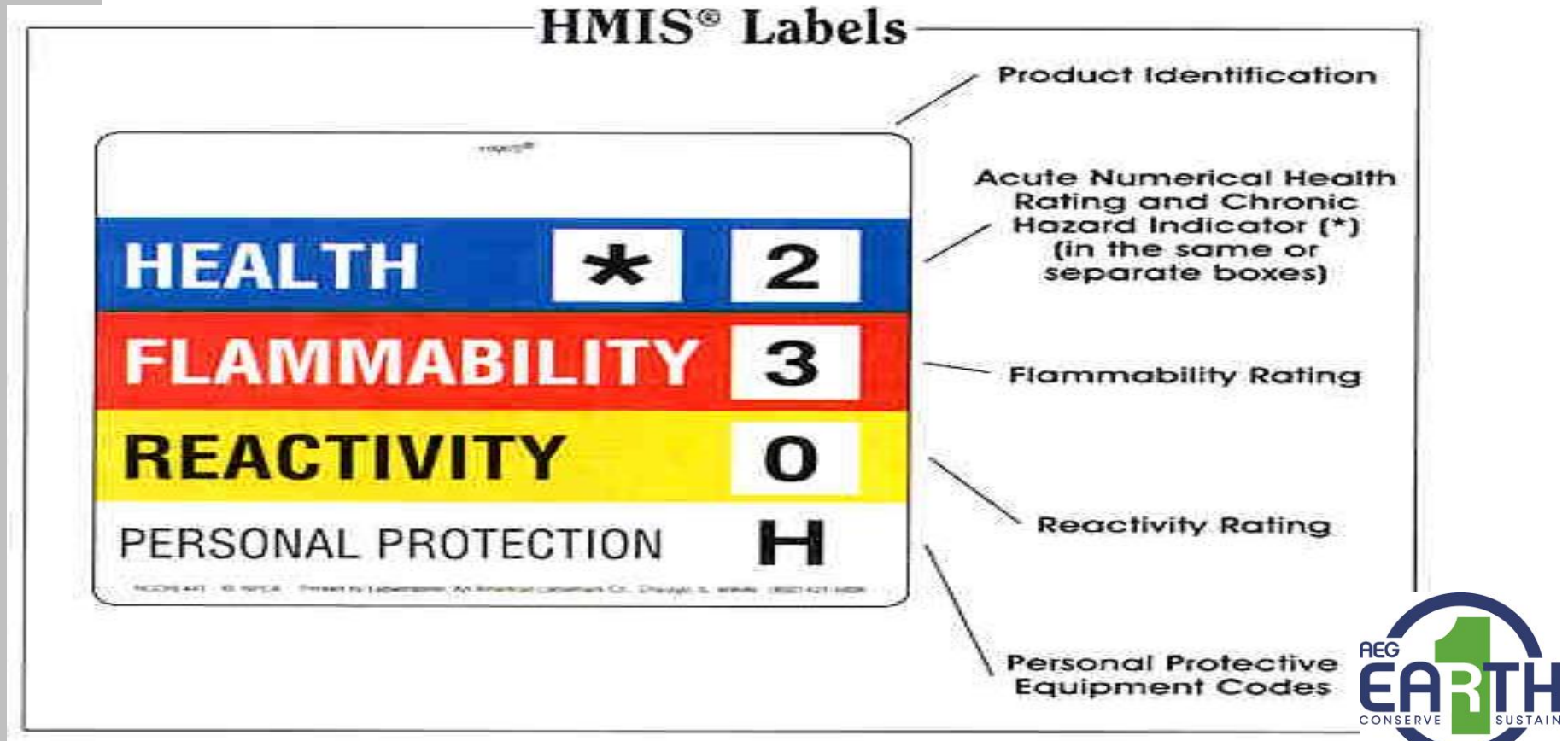
Physical hazards may be described by words or symbols

- Flammable
- Explosive
- Poisonous
- Corrosive
- Reactive
- Toxic

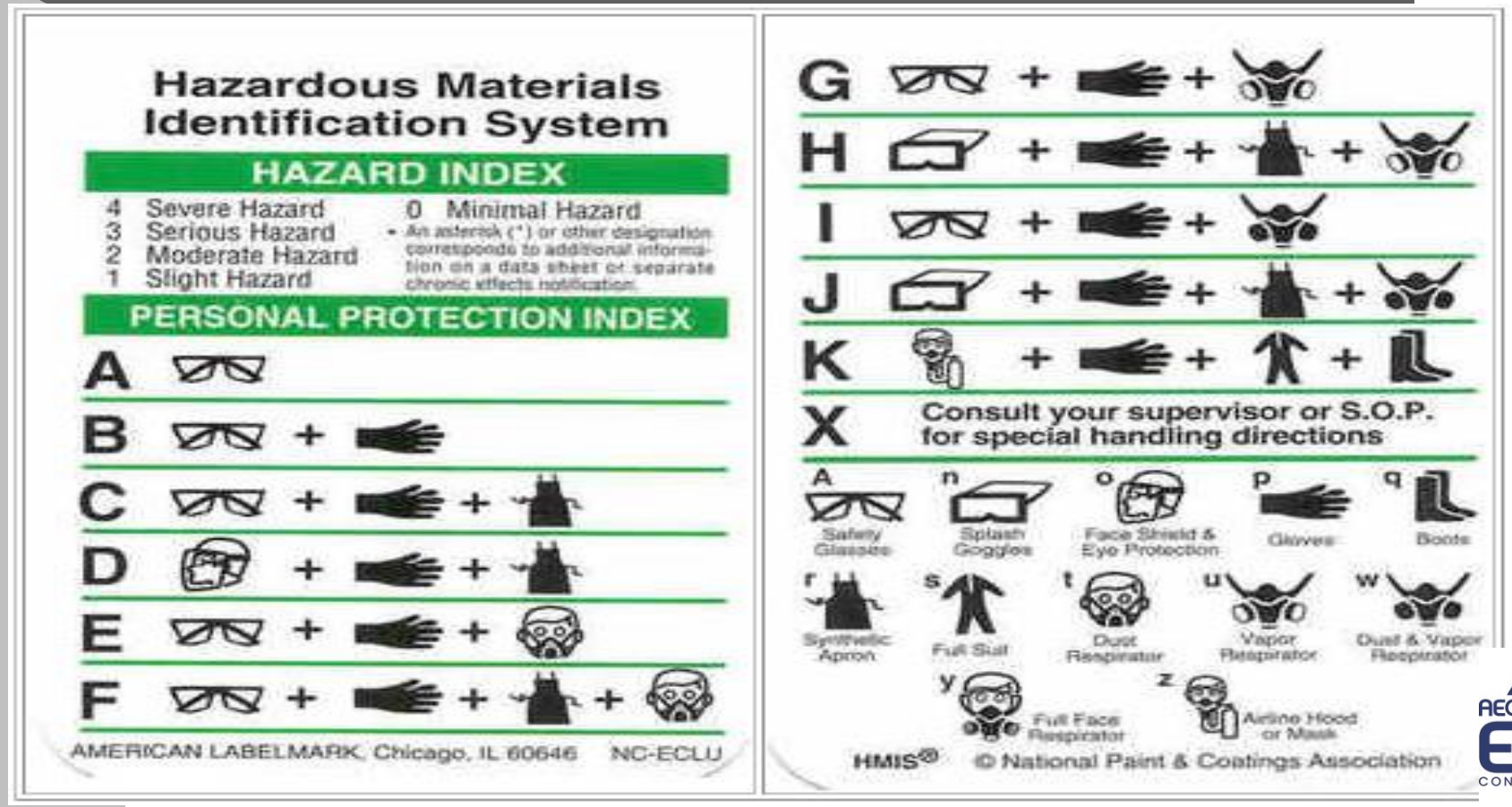
Some labels use a color and number system to explain both physical and health hazards



HMIS Labels also use a number system and include PPE references



HMIS Key for PPE



PPE could include:

- Chemical goggles or face shields (eye protection)
- Protective gloves
- Dust Masks
- Protective clothing

PPE stands for **“Personal Protective Equipment”**

Ten Commandments of Safe Chemical Use:

1. **Understand the Hazards of your Chemical:** Read the labels on hazardous chemicals and consult the SDS if there are any questions.
2. **Protect Yourself from These Hazards:** Follow all warnings and instructions and use the recommended PPE.
3. **Know What to Do in Case of Exposure:** Learn where to find first-aid supplies and eye-wash stations and learn emergency procedures.
4. **Ask Questions:** about anything that you do not understand.
5. **Limit Risk of Exposure:** Understand how we make work safer through sourcing less toxic chemicals per our Environmentally Preferable Procurement (EPP) Guidelines

Ten Commandments of Safe Chemical Use (cont):

6. **Don't Purchase Chemicals or Hazardous Materials Directly:** All purchases of chemicals must go through the VP of Engineering or VP of Operations & a Chemical Acquisition Form must be completed.
7. **Store Chemicals & Hazardous Materials Properly:** All flammable chemicals/materials must be stored in a flammables locker & materials such as waste paint must be stored on spill-containment pallets.
8. **Report Nonconformities Immediately:** If you find a chemical that is NOT labeled or NOT approved, immediately bring it to the attention of the VP of Engineering or VP of Operations

Ten Commandments of Safe Chemical Use (cont):

9. **Check Inventory Regularly:** Remove from service any chemicals no longer used and constantly aim to minimize the number and type of chemicals in inventory.
10. **Report All Accidents & Spills and Follow Proper Protocol:** Crews are only permitted to clean up incidental oil spills less than 5 gallons and minor spills that can be cleaned with a rag or small amount of absorbent. Larger spills must be handled by trained response crews—in all cases, alert your supervisor immediately of spills.

Contacts and Emergency Numbers

Bill Pottorff	**VP, Engineering**	**Ext. 7471**	**Cell 213-321-8139**
Grant Higgins	Chief Engineer	Ext. 7472	**Cell 213-321-0439**
Mike Strobel	Asst. Chief Engineer	Ext. 6090	**Cell 213-446-9496**
Sam Kropp	VP, Operations	Ext. 7262	**Cell 213-324-8248**
CA Office of Emergency Services	**Switchboard**		**911 or 800.852.7550**

Immediately report all spills over 5 gallons to the VP of Engineering