What was the major hurdle—it was not foreseen in the response plan:

- This was a major media event.
- All electrical sources were disabled.
- The oil went from out the top relief vent to the ground inside the berm, 50 feet from the harbor.
- At 4:30 a.m., the alarm was noticed by that time 850,000 gal. of oil had been pumped out.
- Due to the bells whistles being off, the tank high level alarm was not noticed.
- A tanker was expected and the objective was to off load into only one tank.
- On the shift before start up it was decided to transfer oil from one storage tank to another.

The Problem:

Startup began about midnight:

- Startup takes about 4 hours to get to a semi steady state in the operation.
- During start up and ramping almost every alarm is activated.
- When the coal unit is ramping up all the bells and whistles are shut off.

Facts:

- The plant resides on tongue point protruding into Bridgport Harbor.
- The plant also burns coal.
- The tanks contain #6 oil heated to 120 degrees F. at room temp the oil is like molasses.
- Bridgport Harbor Station has a tank farm with tanks of 15 million gallon capacity.

Vinegar

Oil, Oil, Everywhere, and not a drop of...
What is the culprit?

- The bag spacing has been addressed as well as the bag cleaning procedure.
- Often the baghouses each has had a fire, there is no pattern.
- Whether the bags are Nomex, wool, cotton, or fiberglass the fires still occur.
- The baghouses are periodically catch on fire.

The Problem

- When the casting shop is down, the baghouses are shut off.
- This is a 24 hour per day operation.
- The casting shop usually works a 6 day week.
- Lanthanum and charcoal are used to create reducing atmospheres on the molten metal.
- There is a 2-3 second residence time from the furnace to baghouse.

Facts

- Baghouses are used to capture the metal oxide fume.
- Over 100 different alloys are produced containing copper, zinc, lead, nickel, chromium. In
- This process creates metal oxides that need to be exhausted.
- The Century Brass casting shop casts 4 million pounds of metal a day.

Background

Why am I on Fire?
We Need to Knock the NOx