

# Lessons Learned



Date: 1-12-22

Region: Portland

Project: Hitachi BaT

Incident Title: Why we have Pressure test procedures-Near Miss

## Summary

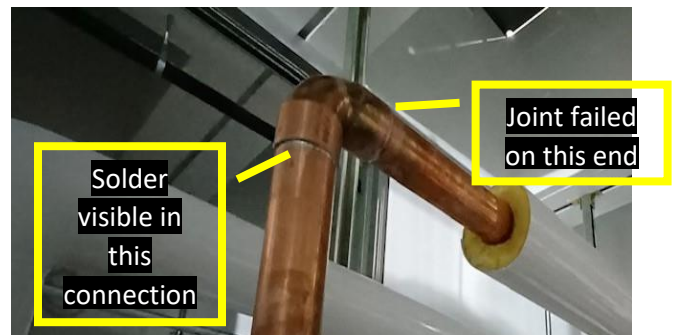
Apollo team was working on the preliminary testing of a short spool to a cooling coil.

The spool was being brought up incrementally in pressure, as our procedure requires.

During the increase in pressure, it was noticed that the system was losing pressure. Further investigation revealed a 90-degree fitting that was leaking air.

While positioning to get a better look at the fitting, the fitting connection failed, causing a loud “pop”.

This caused temporary ringing in the employee’s ears.



## What Went Right?

- No serious injury or damage to facility
- Team followed procedures in increasing pressure slowly to permit examination prior to reaching full test pressure.
- Body positioning kept employee from getting too close to piping system.

## What Went Wrong?

- Solder joint was not properly assembled causing failure.
- Loud pop could have created permanent hearing damage.

## Lessons Learned

- Following test procedures requires diligence and expertise.
- There are no shortcuts to completing this dangerous task, that we do each day.
- AISH 41 is the guideline, with checklists and procedures to protect you, the system and facilities from damage.
- Shortcuts or failure to follow procedure can be life changing.
- Good job by the team to follow the procedure, and practice proper caution working on pressurized lines.