



# High Temperature Ramifications

Good/Bad/Ugly

by

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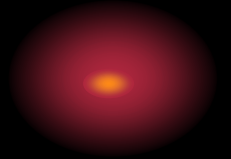
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# High Temperature Ramifications



Forget the Good

# High Temperature Ramifications



- The Bad:
  - Lubricants
  - Greases
  - UHMW Warps
  - Rubber Hoses
  - Sprinkler Heads
  - Epoxy Paints
  - Mesh Screens in Sifters
  - Floor Coatings

# High Temperature Ramifications



- THE BAD

# High Temperature Ramifications



- Lubricants



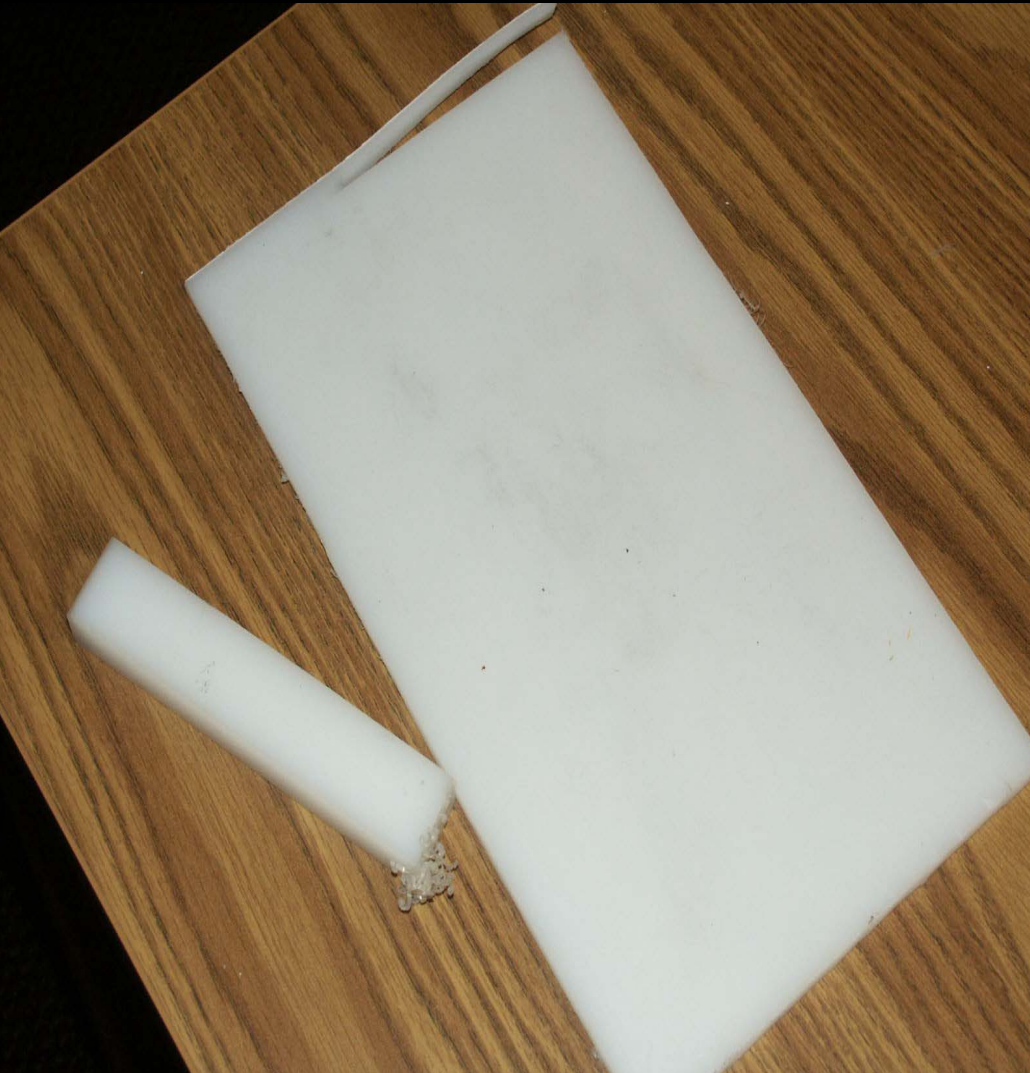
# High Temperature Ramifications



- Greases



# High Temperature Ramifications



UHMW Materials

# High Temperature Ramifications



- Rubber Hoses





# High Temperature Ramifications



- Sprinkler Heads



# High Temperature Ramifications



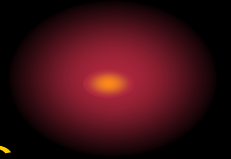
- Epoxy Paints



# High Temperature Ramifications



- Epoxy Paints



# High Temperature Ramifications



- Epoxy Paints



# High Temperature Ramifications



- Mesh Screens in Sifters



# High Temperature Ramifications



- Floor Coatings



# High Temperature Ramifications



- Floor Coatings

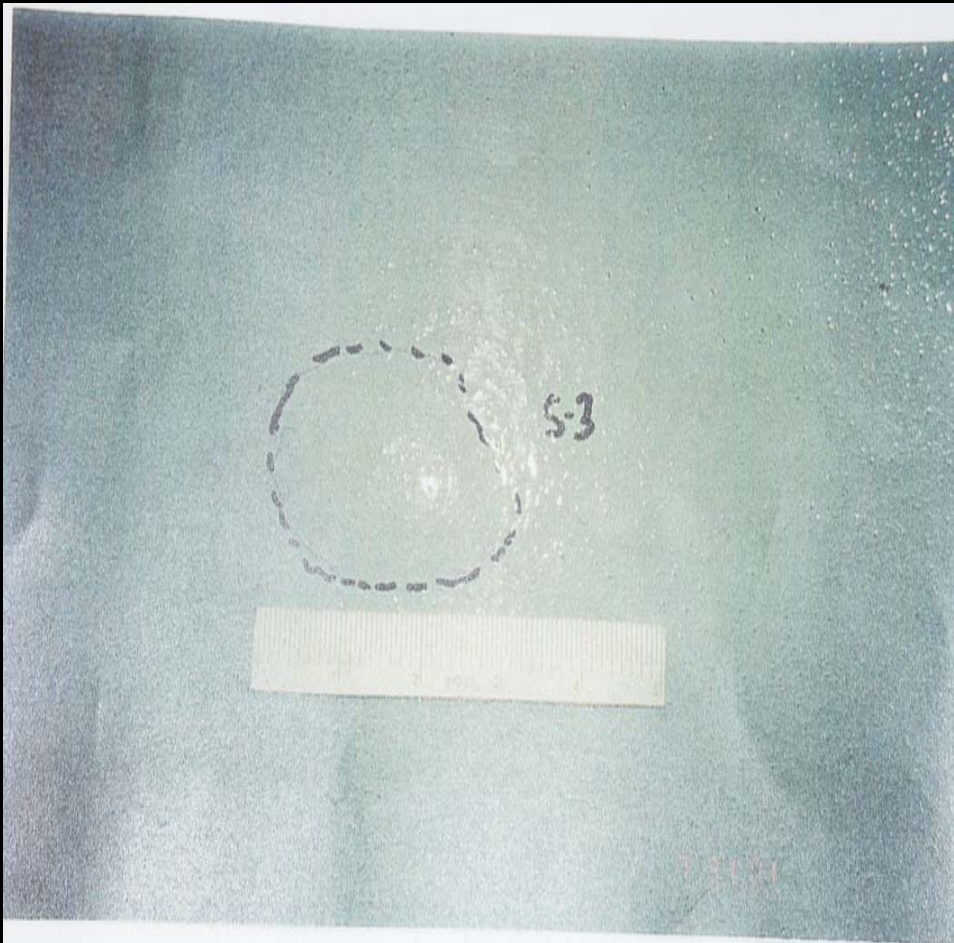


Photo 15: Fluid filled blister at location S-3.



# High Temperature Ramifications



- The Ugly:
  - Floor Coatings Buckling
  - Control Panel Switch Gear Melt Down
  - Computer PLC Melt Down
  - Fire Control Systems Compromised
  - Pressurized Containers Explode



# High Temperature Ramifications



- The Ugly:
  - Ingredient Degradation
  - Low-Temp Wire Coating Melted
  - YOU ARE OUT OF CONTROL IT'S CONTROLLING YOU!

# High Temperature Ramifications



- THE UGLY

# High Temperature Ramifications



- Floor Coatings Buckling

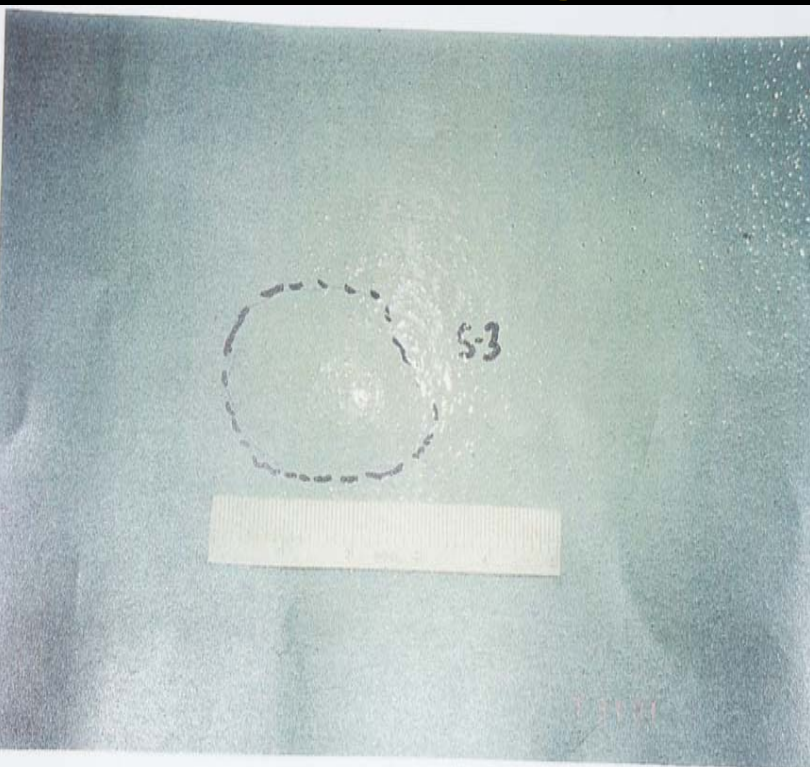


Photo 15: Fluid filled blister at location S-3.

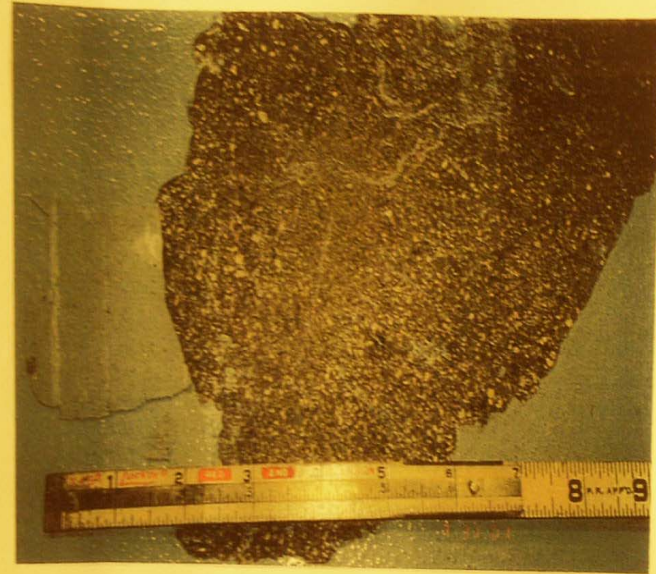
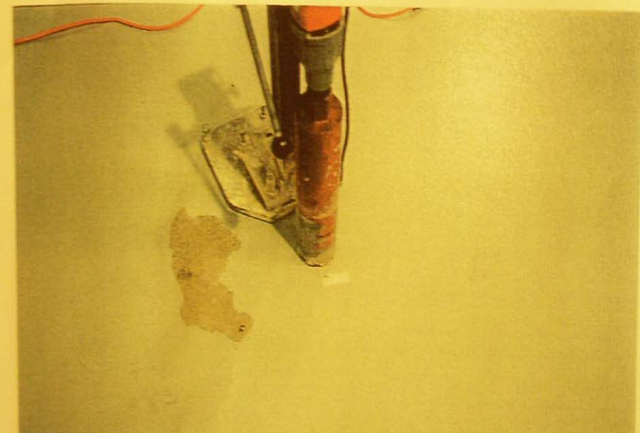


Photo 11: Coating removed at S-2.



# High Temperature Ramifications



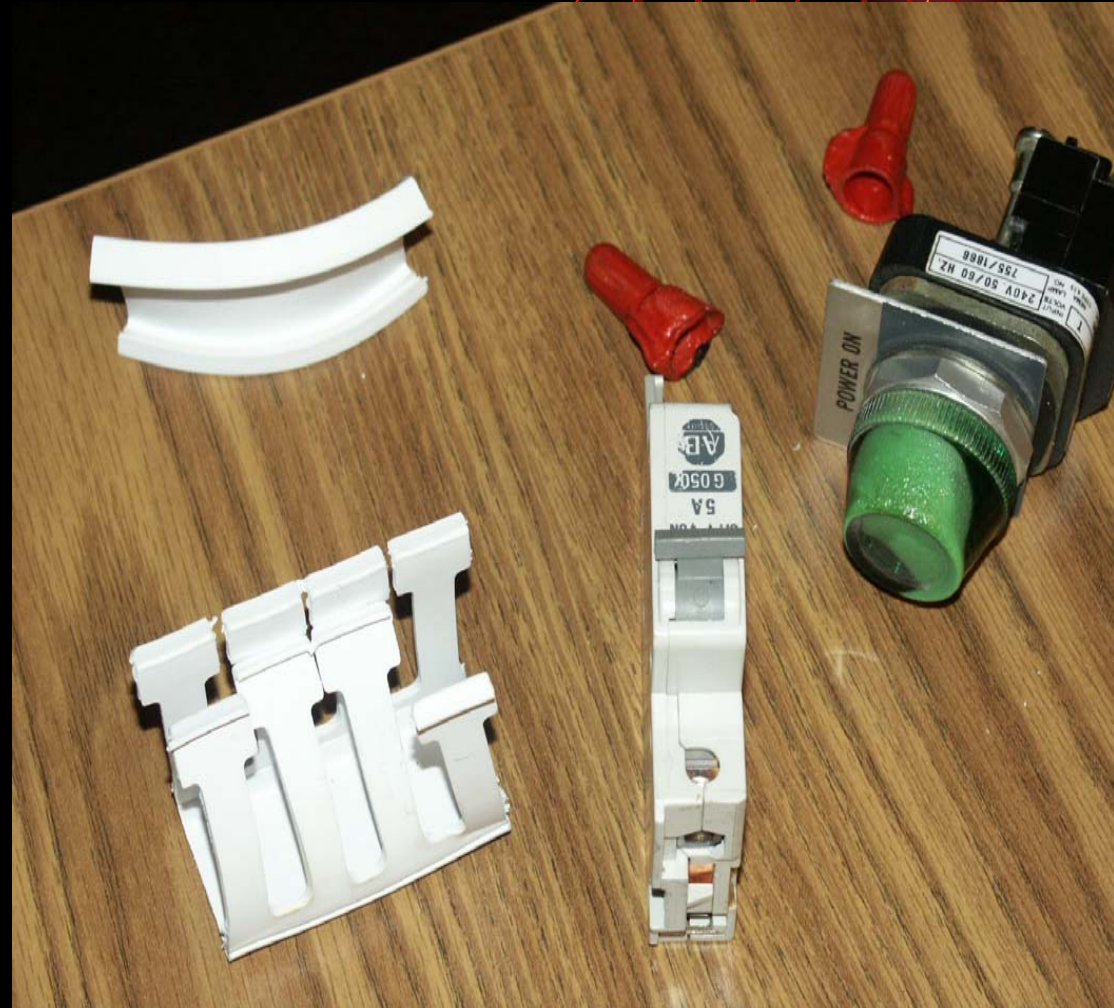
- Control Panel  
Switch Gear  
Meltdown



# High Temperature Ramifications



- Control Panel Switch Gear Meltdown



# High Temperature Ramifications



Do Not Overlook  
PLC Cards

- Could be Major  
Meltdown



# High Temperature Ramifications

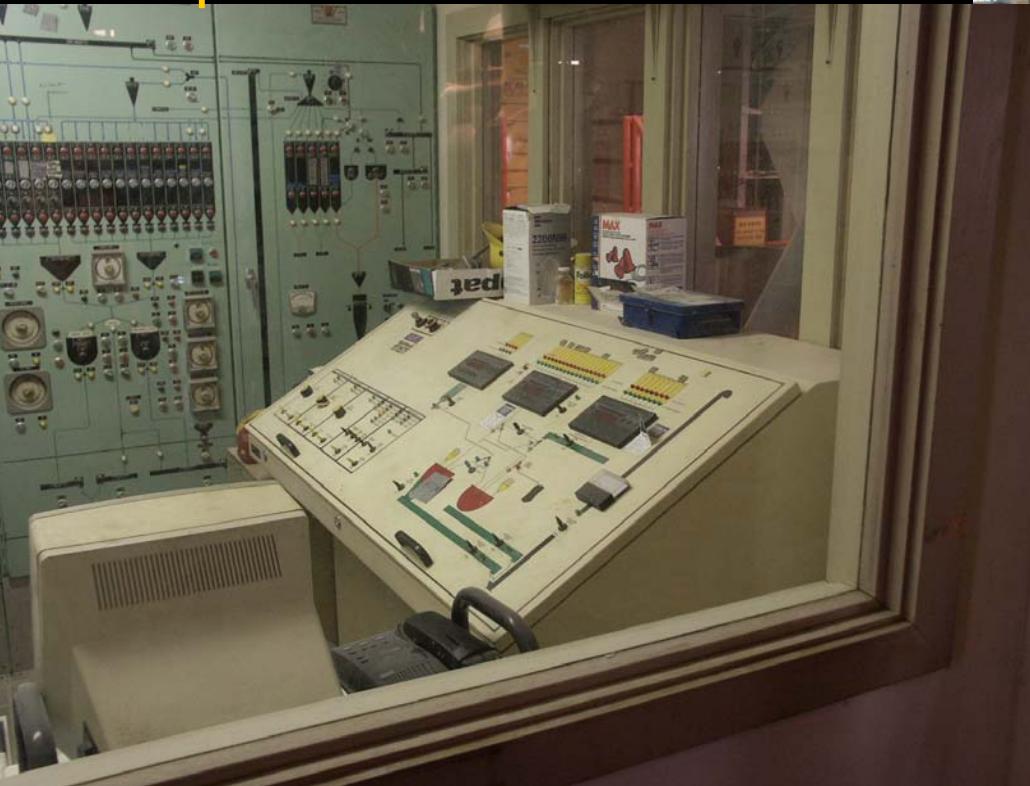


- Fire Control Systems Compromised
- Consider 19 Sprinklers Open at Same Time

# High Temperature Ramifications



- Pressurized Containers Explode





# High Temperature Ramifications



- Ingredient Degradation
  - IBC Storage?



# High Temperature Ramifications



- Low-Temp Wire Coating Meltdown
- Hydraulic Hoses

# High Temperature Ramifications



??????

If you are considering Heat...  
Inspections/Needs Analysis  
Consulting

WE CAN HELP

IPM ASSOCIATES, INC

[www.ipmassociates.com](http://www.ipmassociates.com)

# High Temperature Ramifications



Thank You