MACKNER SCALES CLEANUP
ELLENSBURG WASHINGTON

Mary Monahan

John Means
MACKNER SCALES HISTORY

- Provided Scale Services For The Area
- Hay Storage and Trucking
- Diesel Engine Repair

- KVFR Out Grew Its Old Central City Location
- KVFR Needed Wild Fire Capacity and Training Rooms

- 40 Percent of Fire District Calls Are Within a 6 Block Radius
- 90 Percent of Calls Triangulate To This Location
2012 INTEGRATED PLANNING GRANT

- Remedial Investigation Data Collection & Analysis
- Site Planning, Redevelopment Strategy
- Cultural Resource Assessment
- Remedial Investigation/ Feasibility Study
CLEANUP CHALLENGES

- Independent Cleanup Action
- Significant Data Gaps
  - One Ground Water Data Point
  - Limited Soil Data
- Fixed Budget ($250,000)
- 90 Day Schedule – February-March-April
  - Contracting
  - Project Planning
  - Permitting
  - Environmental Investigation
  - Design
  - Cleanup Construction

The worst of the contamination was under the new building!
REMEDY SOLUTION

- Use the building design as a protective cap.
- Non-contaminated overburden soil removed and stocked piled
- Hot spot removal under the building
- Lance injection of chemical oxidants
- Infiltration pipe gallery for subsequent slug injection
- Compliance Monitoring
READY FOR ACTION!
PROJECT COMPLETED AHEAD OF SCHEDULE AND ON BUDGET!

- How is that possible, you ask?