Where We're Going at ICP

PMI Chapter Meeting

May 25, 2005

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INTEC Area Projects Manager

The CWI Team

CH2M•WG IDAHO, LLC

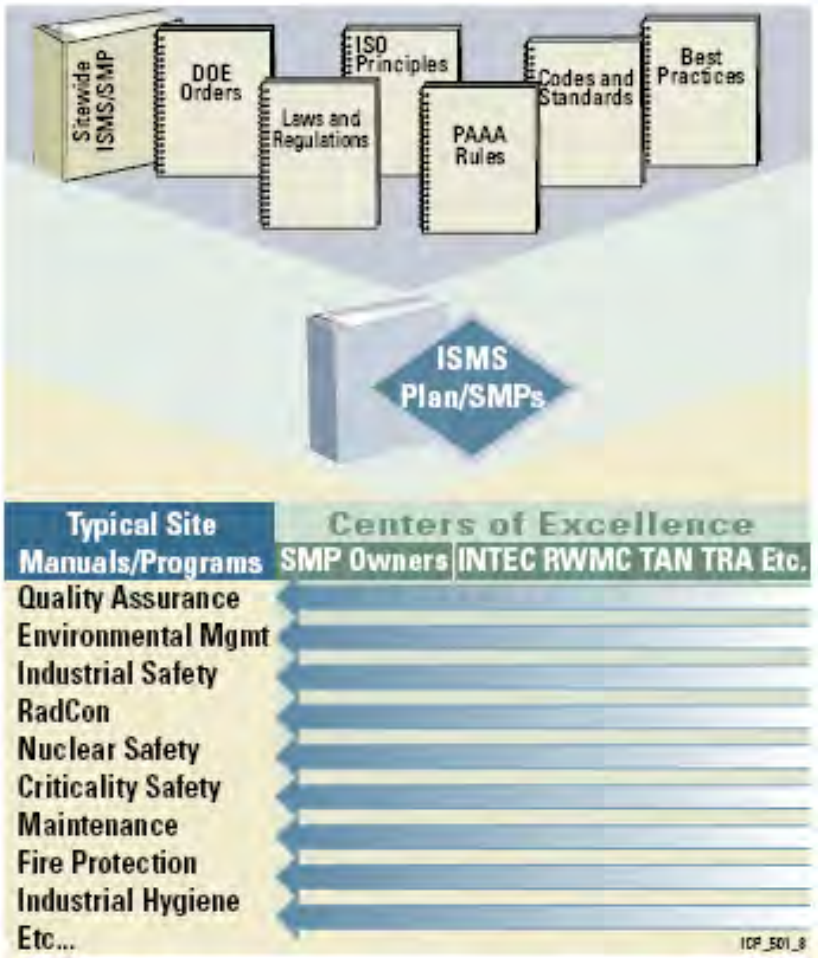
CH2MHILL

Washington Group International

PREMIER Technology, Inc.

CWI Priorities

- Enable our workforce
  - Every process, policy, and function geared toward success of our workers
  - Will evaluate our management success on how well we have enabled the ICP workforce to deliver its mission
- What we'll change
  - Increase worker involvement in hazard reviews
- What we won't change
  - Safety is still – and always will be – a prerequisite for all work

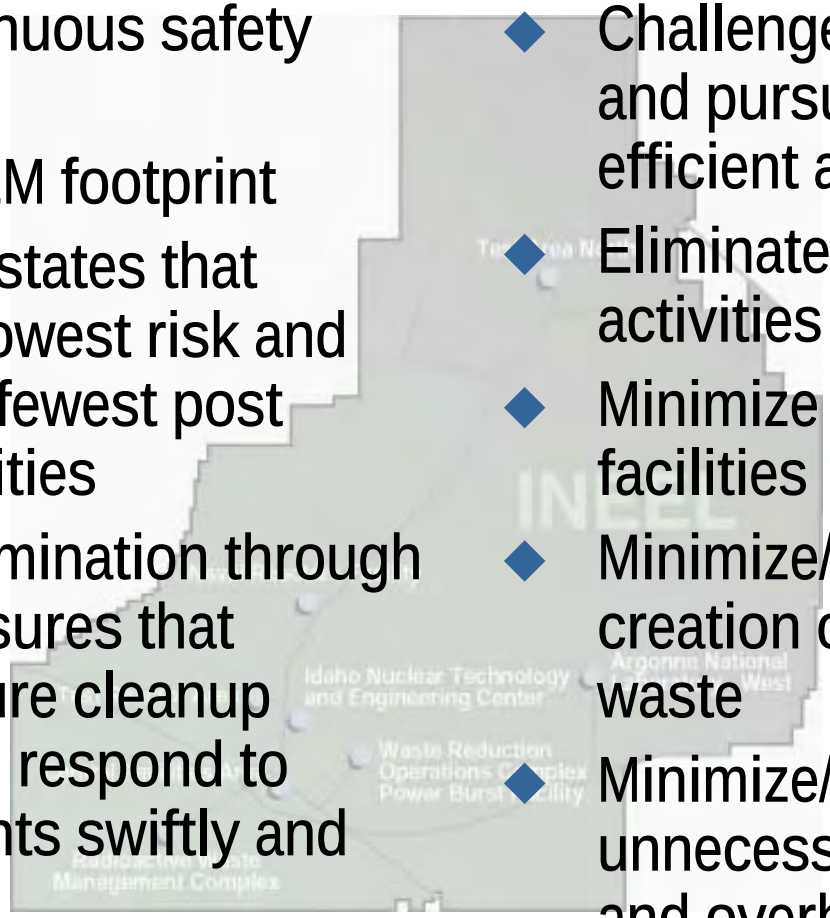


Aggressively Address Environmental Risks

- Will partner with DOE, regulators, and the public to urgently address the environmental challenges on the site
- Will accept accountability and responsibility to these partners for the promises we make

What DOE Asked Us To Do

- Pursue continuous safety improvement
- Reduce the EM footprint
- Achieve end states that provide the lowest risk and cost and the fewest post closure activities
- Isolate contamination through passive measures that minimize future cleanup liabilities and respond to releases/events swiftly and effectively
- Challenge existing work plans and pursue safe, aggressive, efficient alternatives
- Eliminate non risk-reduction activities
- Minimize construction of new facilities
- Minimize/eliminate the creation of newly generated waste
- Minimize/eliminate unnecessary infrastructure and overhead costs



Contract Approach

- End state driven vs. PBIs
- Focuses on result not process
- Drivers for success
  - Safety
  - Regulatory compliance
  - Risk mitigation
  - Cost

Integrate Idaho Businesses Into Cleanup Strategy

- Our delivery philosophy centers on creating a strong team that includes Idaho businesses – large and small
- Enables us to succeed and builds a vital economic legacy for surrounding communities

A Project Approach to Project Delivery

- Four Primary Area Projects
- Project structure within the geographic areas
  - Resources
  - Ownership
  - Accountability
  - Performance

INTEC AREA CLEANUP PROJECTS

- Nuclear Materials Disposition Projects
  - Spent Fuel Completion
  - Nuclear Materials Completion
  - NMD Deactivation
  - IFSI
- Tank Farm Closure Projects
  - Tank Closure
  - Sodium Bearing Waste
  - Calcine Retrieval
  - Supporting Operations
- INTEC Projects Integration
  - D&D Projects
  - CERCLA
  - VCO
  - Waste Management
- ICP Technical Services
  - CE/GPP Projects
  - *Construction*
  - *Engineering*
  - *Maintenance*
  - *Infrastructure*
  - *Project Management*

Matrix Relationships with Projects

- Project Managers
  - Full ownership for project success
  - Day to day work assignments and direction
- Site Functional Managers
  - Provide resources for projects, and resource loading services
  - Define qualification, provide training, programmatic procedures and guidance
- Project Managers and Functional Managers
  - Joint concurrence on project specific manager assignments and performance reviews

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In the Projects

Technical Approaches

- Approaches presented are proposed
  - Regulatory process are required
  - Public involvement required
- Definitive technical approach established by Record of Decision

INTEC Priorities: Focus on the Most Significant Risks

- Liquid and sludges removal from CPP-603A, 648
- SBW retrieval and treatment
- Tank farm closure
- SNF from wet to dry storage
- Integrate remaining High Risk Facilities D&D with ICP “Walls to the Ground” demolition strategy
- Compliant CERCLA completions
- Integrate calcine disposition with SBW canister handling
- Excess facilities demolitions

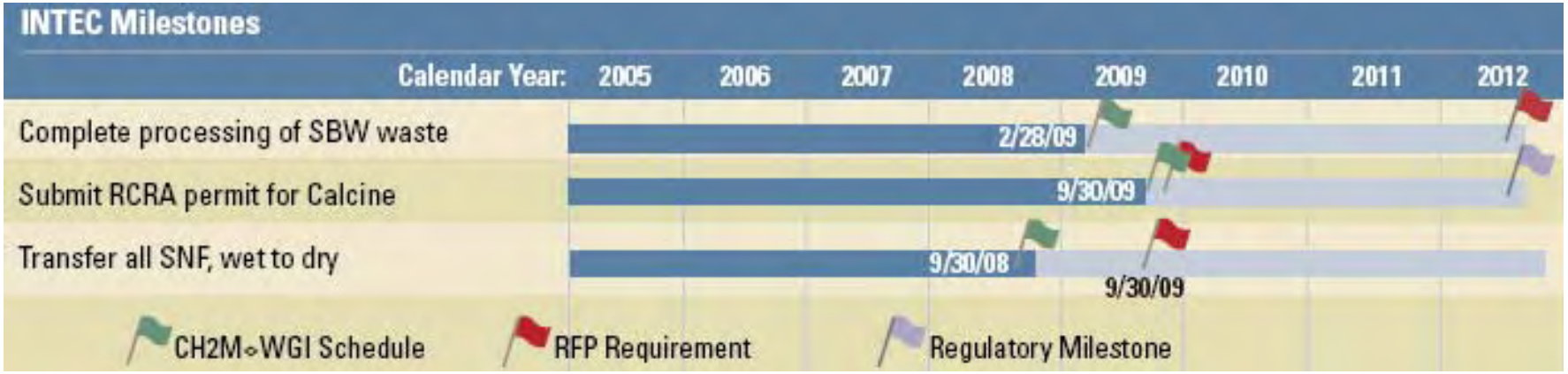
At INTEC

- Demolish/disposition excess facilities
- Treat SBW and dispose at WIPP
- Empty and disposition all Tank Farm Facility waste tanks
- Place all EM SNF in safe dry storage
- Deactivate EM SNF wet storage basins (CPP-603)
- Dispose/disposition all excess nuclear material
- Complete all VCO tank system actions
- Complete all required OU 3-13 remediation, including the CERCLA Tank Farm Interim Action
- Maintain and operate the ICDF

- NRC-regulated facilities' FRR, DRR, NR spent fuel
- Develop calcine retrieval system and submit RCRA permit

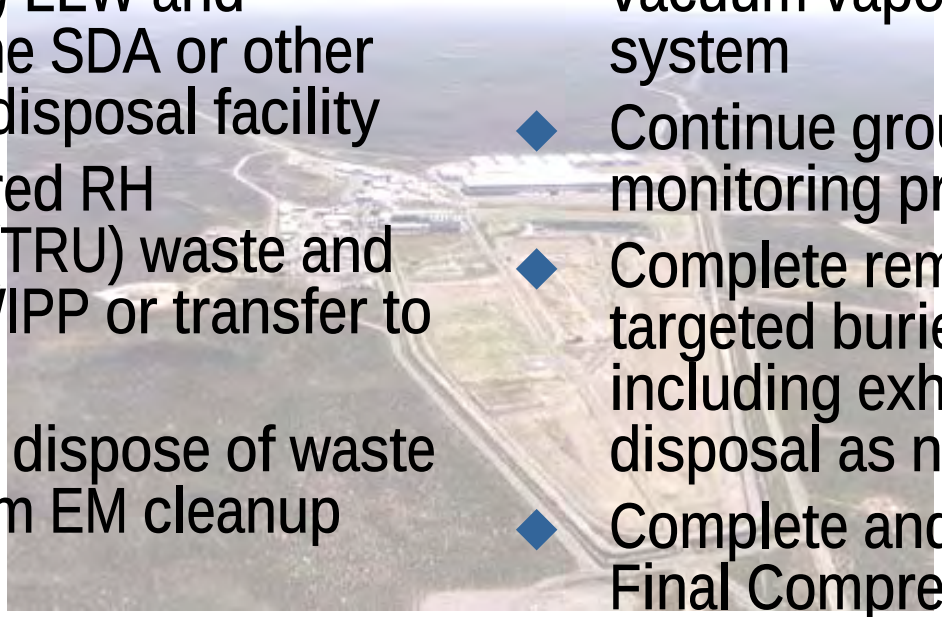
End States - 2012 Vision for INTEC

- SBW – highest risk to the aquifer – treated by 2009
- Stabilized SBW shipped to WIPP by 2012
- Tank farm closed and capped by 2012
- Risks from all high risk facilities removed or isolated by 2012
- All excess facilities demolished
- Spent nuclear fuel consolidated to dry storage by 2008
- Excess nuclear materials disposition by 2007



At RWMC

- Retrieve stored remote-handled (RH) LLW and dispose at the SDA or other appropriate disposal facility
- Retrieve stored RH transuranic (TRU) waste and dispose at WIPP or transfer to ANL-W
- Retrieve and dispose of waste resulting from EM cleanup activities
- Demolish and remove facilities no longer needed
- Continue operation of the vacuum vapor extraction system
- Continue groundwater monitoring program
- Complete remediation of targeted buried TRU waste, including exhumation and disposal as necessary
- Complete and implement Final Comprehensive ROD for WAG 7 (OU 7-13/14)



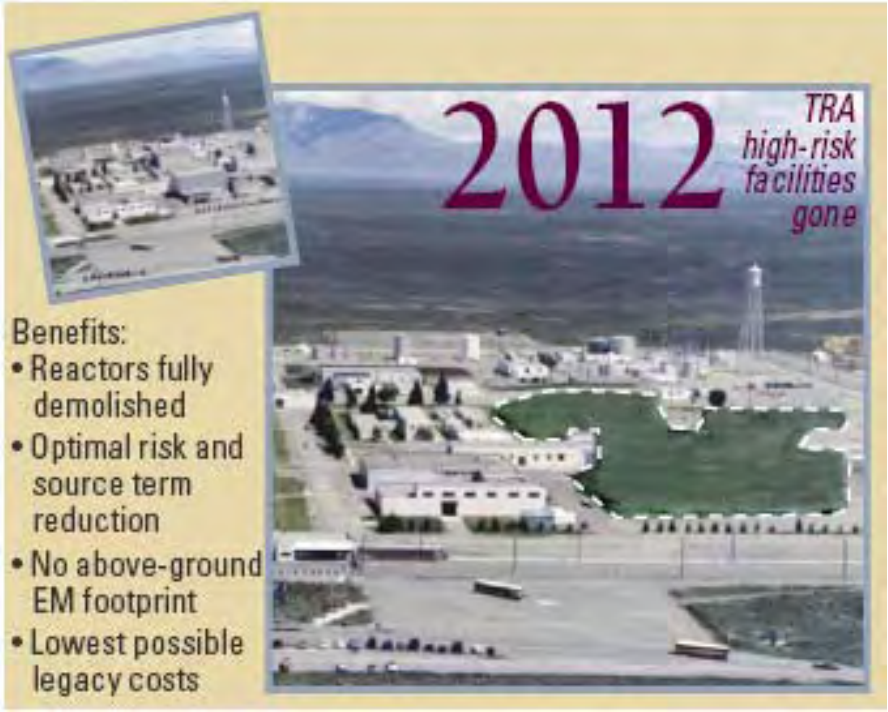
At TAN

- Demolish all EM facilities (only facilities required for groundwater remediation remain)
- Complete all VCO tank system actions
- Complete all remediation of contaminated soils and tanks at TAN (OU 1-10)
- Continue CERCLA remedial pump and treat activities (OU 1-07B)
- Close or transfer TAN landfill to INL contractor following completion of TAN demolition

Acceleration of TAN D&D essentially eliminates the EM footprint in the northern area of the site.

At TRA

- Demolish all EM owned facilities
- Demolish the ETR and the MTR
- Complete all VCO tank system actions
- Complete five-year review of OU 2-13
- Complete remedial actions for TRA release sites under OU 10-08



At PBF

- Disposition waste and demolish and remove CERCLA storage unit at Auxiliary Reactor Area
- Demolish PBF reactor
- Complete five-year review of OU 5-12

End States

- "Walls to the ground" decommissioning of the PBF reactor complex results in zero aboveground reactor footprint at PBF
- A closure project solution delivers the lowest risk, lowest cost end state
- Closure and demolition of the CERCLA storage unit at ARA-1 in the first 90 days
- Disposition plans for all PBF wastes, including removal of all lead
- Monitoring at PER-722 to support protection of the aquifer

At Miscellaneous Sites

- Complete all required remedial actions for OU 10-04
- Complete the OU 10-08 ROD by the enforceable milestone
- Implement the ROD if it is finalized and signed during the contract period

SCOPE

- SOW prioritized and sequenced for earliest reduction of hazards

HAZARDS

- Flexible ABs
- Environmental assessments
- Regulatory agreements
- JHAs

CONTROLS

- Specialized shielding
- Critical lift plans
- Remote handling tools
- Conservative PPE
- Local ventilation controls

WORK

- Innovative tools and engineered processes
- Subcontracted specialties
- Robust work control plans qualification

FEEDBACK

- Lessons learned
- Reporting
- PEB
- SAC processes

Summary

- Much work to do, even beyond 2012
- Our ingenuity and commitment is the key to success
- Our success creates the opportunity for INL

Professional, Disciplined, Involved

Project Management Will Make It A Reality