

An aerial photograph of a wide river valley. In the center, a large, calm reservoir is surrounded by a mix of green and brown fields. The foreground shows a sandy, hilly slope with sparse, dry vegetation. The background features a range of low mountains under a clear blue sky.

RL Site Infrastructure and Services Briefing for Health, Safety, and Environmental Protection Committee

June 15, 2010



Purpose of Briefing

- To discuss strategic infrastructure planning for the Hanford Site and Mission Support Alliance (MSA) role in infrastructure maintenance

Mission Support Contract Contract Language (Section C) (K. Flynn – DOE)

- Infrastructure Strategic Alignment Plan (ISAP) :
 - “The Contractor shall develop, maintain, and update a master ISAP that incorporates the strategic vision and describes the activities necessary to integrate MSC responsibilities with those of other Hanford Site (Mission) contractors, to right-size the infrastructure and services, and to maintain the capacity of infrastructure systems provided for the Hanford Site over its life-cycle. “ -Section C.1.3, page C-5
 - “The ISAP shall identify opportunities to re-engineer or replace systems as necessary (without negatively impacting mission contract project schedules) in a timely and coordinated fashion. “ –Section C.1.3, page C-5

Mission Support Contract Contract Language (Section C) cont.

- In cooperation with Plateau Remediation Contract (PRC), Tank Operations Contract (TOC), and other Hanford Site Contractors, the Contractor shall develop the Hanford Site Interface Management Plan. The desired outcome of the Interface Management function is a well defined and controlled set of interfaces between MSC, PRC, and TOC that prevents misunderstandings and impacts associated with service delivery.

Strategic Infrastructure Planning

- Performance Incentive:

Deliver an Infrastructure Services and Alignment Plan (ISAP) that provides for a convincing and credible roadmap to achieve transformational change, and net annual and life cycle cost reductions, in performing contract requirements.

- ISAP Contract Deliverable

- ISAP was submitted on March 1, 2010.
- Other plans have been submitted, such as
 - 300 Area Business Case Analysis
 - Roads strategy
 - Information Technology Infrastructure Scalability Solution and Implementation Plan (ISSIP)
- Other plans to be submitted in the near future:
 - Fire station replacement study
 - Export water alternative study

Strategic Infrastructure Planning

- DOE has requested MSA to integrate these studies into a strategic vision under the ISAP.
- MSA has met internally to formulize a strategy and will soon provide DOE a date for a second submittal of the ISAP.
- The ISAP will be updated annually.

Infrastructure Investment

- ISAP is geared to take into account fluctuations or changes in workforce and to be scalable.
- Infrastructure investment is cleanup driven.

ISAP Development (D. Sours – MSA)

- Strategic vision aligning with the RL 2015 Vision, the Hanford Site Cleanup Completion Framework, and other plans and schedules.
- Aligned with tank farm mission and Waste Treatment Plant
- Supports the R&D mission
- In development of the ISAP, held discussions with other prime contractors.
- ISAP concurred on by TOC and PRC

ISAP Outcomes (D. Sours & S. Boynton – MSA)

- Capital projects that support infrastructure upgrades consistent with the cleanup mission:
 - 100N lagoon
 - Chip and seal roads (4 South)
 - WiMax – wireless IT for cleanup
 - Refueling station upgrades
 - Water reservoir lining
- Service projects

ISAP Strategic Initiatives

Infrastructure and Services Alignment Plan by MSA Service Areas Blueprint for Right-sizing Hanford Site Infrastructure Systems and Services



Overall Approach

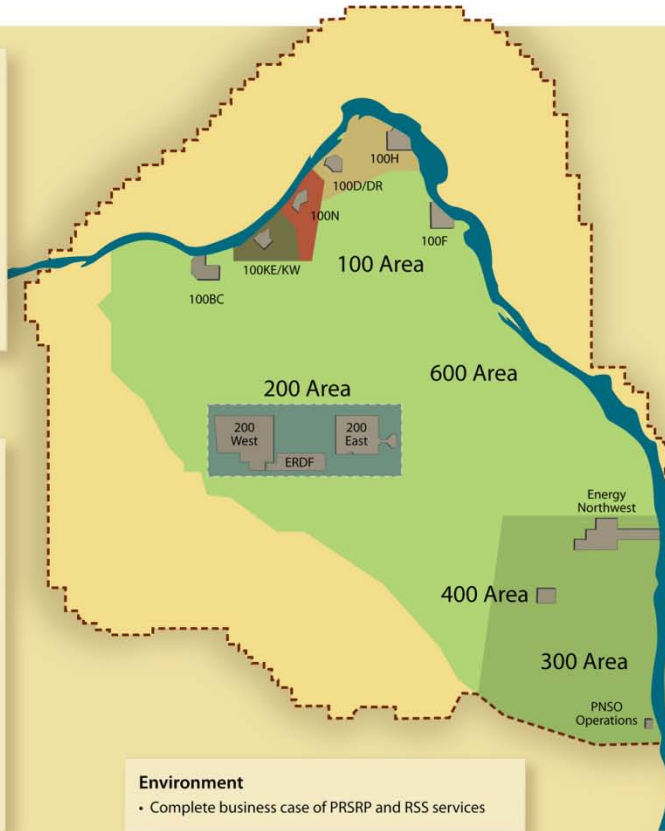
- Shrink systems/services footprint to support the Hanford Site Missions and 2015 Vision; relocate as many as possible systems/services out of the 100, 300, and 400 Areas
- Provide cost-effective, efficient services based on customers' service level forecasts
- Partner with other entities to deliver efficient and effective systems/services
- Provide effective business model for operating, maintaining, and investing in systems/services
- Increase senior management involvement in the field for resolving service delivery issues

Site Infrastructure and Utilities (SIU)

- Right-size and configure sanitary sewer systems based on 2015 Vision
- Shut down 100-N Sanitary Sewage Lagoon
- Provide WSCF services consistent with commercial business practices
- Implement plan for roads configuration, alignment, and maintenance
- Improve Crane & Rigging services
- Improve Fleet Services
- Implement energy management projects
- Shut down 100 Areas export and raw water systems
- Implement utilities corridor to the Central Plateau
- Move MSA services out of the 400 Area
- Improve refrigerated equipment services

Environment

- Complete business case of PRSRP and RSS services



Safeguards & Security

- Evaluate long-term business model for Hanford Security Services
- Evaluate long-term business model for Hanford Fire Services
- Consolidate Hanford Fire Department and Hanford Patrol Dispatch centers
- Implement business model for Safeguards & Security services
- Shut down existing 400 Area Fire Station
- Replace existing 300 Area Fire Station
- Shut down existing 100 Area Fire Station
- Position HAMMER as a regional/national training asset
- Resolve HAMMER facility space issues
- 24/7 Site-wide consolidated command post/EOC

Information Management (IM)

- Implement WiMax
- Implement Voice Over Internet Protocol (VOIP)
- Eliminate redundant Information Management system
- Deliver Information Management Scalability Solution Implementation Plan

Portfolio Management

- Support Waste Treatment Plant energy initiative

Site Business Management (SBM)

- Implement Facilities Disposition Business Case plan to evacuate 10 facilities
- Resolve warehouse space issues

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MSA Alignment to Hanford Clean-Up

- Support projects to other contractors:
 - Rattlesnake access road improvement for PRC
 - C-7 cleanup site (100 Area chromium cleanup) for Washington Closure
 - Road improvements for Washington Closure
 - 100K Area substation relocation
 - 135 ton crane for TOC
 - Tumbleweed “catch” fence for TOC

MSA Alignment to Hanford Clean-Up

- Support services to other contractors:
 - HVAC preventative maintenance
 - Super dump trucks
 - Specialty equipment supply
 - Water/septic utilities support to portable trailers
 - Analytical services