
APPENDIX H

FY00 PLANS AND SCHEDULE FOR DEVELOPMENT

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RICHLAND ENVIRONMENTAL RESTORATION PROJECT FY00 DETAILED WORK PLAN			
COST ACCOUNT PLAN			
Key Project Team Members		CA:	P71503
Task Lead (CAM):	R. W. Bryce	HQ WBS:	1.4.10.1.7.11.03.27.01.35.03
DOE-RL:	K. M. Thompson/R.D. Hildebrand	Title:	System Assessment Capability
Project Engineer:	R. J. Boutin		
Field Support:	N/A		
QS&H:	N/A		
Project Controls:	M. K. Sakach		
PSS Rep:	N/A		
Other:	N/A		
<p>1. WORK DESCRIPTION (Provide general work description of facility/building)</p> <p>General Description: This task provides for the planning and development of the System Assessment Capability (SAC). The System Assessment Capability will include the tools and information needed to perform a site-wide assessment of the risks and impacts related to contaminant sources remaining at Hanford at the time of Site closure. Impacts to human health, the ecology, the culture and socioeconomic conditions will be evaluated.</p> <p>The GW/VZ Integration Project will coordinate the effort and work with DOE, other Hanford projects, regulators, stakeholders and Tribal Nations to develop the requirements for and design of this capability.</p> <p>In the near term this task will focus on an initial assessment, which may lack detail in some aspects of its representation of the waste inventory, environmental pathways and potential impacts. As a proof-of-principle, the initial SAC will demonstrate that an assessment of the scale and scope of the Hanford Site and the Columbia River can be conducted. While the initial assessment will be limited in some respects, the assessment is being designed to:</p> <ul style="list-style-type: none"> • examine radioactive and hazardous chemical contaminants that are expected to be the dominant contributors to risk and impacts, • determine the long-term migration and fate of contaminants in the Hanford Site operational areas, (i.e. 100, 200, and 300 Areas), • include a quantification of uncertainty, and • include quantitative and qualitative risk and impact metrics. <p>The SAC will continue to be developed through an open process that provides for regulator, Tribal Nation and stakeholder input. The SAC Work Group will continue to function as a forum of information exchange and to provide an opportunity for obtaining advise and consultation from interested parties in the development and deployment of SAC. A system engineering approach will continue to be employed to establish and ensure overall consistency and feasibility among the expectations. Based on the expectations for the system assessment capability, science and</p>			

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<p>technology (S&T) needs and Core Project support expectations will also be identified. Two important aspects to the analysis will be the nature of the requirement for addressing uncertainty in the initial SAC model and the approach to the risk and impact assessment.</p> <p>During FY 99 the conceptual model for the initial assessment was developed and preliminary information on the architecture, platform, and data management approach for the assessment was generated.</p> <p>Tasks to Be Performed (FY00): Design the Assessment: The design document will include requirements, specifications, verification and history matching test cases, and the required analyses.</p> <p>Gather Assessment Data: Data required to conduct the history matches and required analyses will be assembled during this step. The SAC Rev 0 effort will rely on available data, and will invest in its assembly, review, and acceptance. However, future efforts to assemble data for SAC Rev 1 and 2 efforts will benefit from the Characterization of Systems Task and its efforts to coordinate data collection and interpretation across contractors and projects at the Hanford Site. Data gathering will be initiated in FY00 and completed in FY01.</p> <p>Assemble Capability: This involves assembly and modification of existing capabilities to calculate and display uncertainty, development of data handling within technical elements, and linkages between technical elements.</p> <p>Characterize Risk: During FY2000, this activity provides a detailed background for the health and impact assessment results including uncertainty aspects. The text and illustrations will provide an integrative analysis of the Hanford Site legacy, the regulatory framework, and the environmental setting.</p> <p>Determine Assessment Requirements for SAC Rev. 1: The definition of requirements for the SAC Rev 1 capability will begin in FY00.</p> <p>Testing & Evaluation Report: The initial development of the Testing & Evaluation (T&E) report will involve its outline and the coordination of input. During FY2000, the "assemble capability" activity will yield a brief report on the completed verification test cases and status of the required capability. This will become an appendix to the T&E report produced in FY2001.</p> <p>Management Support: Several management efforts support the conduct of SAC efforts. They include activities for a) public participation, b) peer review, c) issues resolution, d) supervision, e) baseline management & change control, f) SAC long-range plan, g) SAC detailed work plan, h) planning, scheduling and cost control, and i) project staff reports, reviews, and presentations.</p>	

