

Schedule of Leading Activities to Characterize IIFP Site NPH and to Start Detailed Design

Activity I.D.	Activity	Projected Date of Completion
ENG-SMC-1	Identify contractor and request proposal for civil engineering IIFP site survey and geotechnical/geophysical study.	Completed
ENG-DB-1	Evaluate list of potential DB Contractors.	6/4/10
D-RAI-STR-7	Provide NRC additional drawings of the conceptual designed process buildings showing footprint, layout, and elevation. Facility site plan already provided in the IIFP License application. (Seismic Draft RAI Question #7).	6/8/10
D-RAI-STR-5	Describe method(s) used for structural analysis of conceptual designed process buildings with emphasis on seismic. (Seismic Draft RAI Question # 5)	6/15/10
D-RAI-NPH-1	Confirm/document the design basis tornado and wind speeds, determine limiting factor for facility design. (Seismic Draft RAI #1)	6/15/10
D-RAI-NPH-8	Request clarification from NRC regarding need to evaluate highly unlikely events with frequencies of 10^{-5} . (Seismic Draft RAI #8 - Obtain clarification from NRC, inconsistent with NRC risk-based guidance)	6/15/10
ENG-SMC-2	Evaluate and approve contractor proposal response for civil engineering, geotechnical/ geophysical study.	6/18/10
ENG-DB-2	Obtain expressions of interest from potential DB contractors	6/29/10
D-RAI-NPH-1d	Confirm/document the design basis probable and/or maximum rain and snow at IIFP Site. (Seismic Draft RAI Question #1)	6/29/10
D-RAI-NPH-1f	Assess the probability of commercial, private and military aircraft hazard potential to IIFP Site. (Seismic Draft RAI Question #1)	6/30/10
D-RAI-NRC-1	Provide written response to NRC's Draft RAIs.	7/6/2010
RVW-NRC-1	Initial ISA Review Meeting with NRC	7/6-7/8/10
D-RAI-STR-2c	Document that a safe-separation distance has been determined to exist between the nearby transportation potential hazard and the nearest IIFP safety-significant SSC. (Seismic Draft RAI Question #2).	7/7/10
D-RAI-STR-2b	Assess/document the gas pipeline explosion hazards based on proximity and building conceptual designs.	7/7/10

Schedule of Leading Activities to Characterize IIFP Site NPH and to Start Detailed Design

	(Seismic Draft RAI Question #2)	
ENG-DB-5	Formal RFPs to DB Contractor candidates.	7/20/10
D-RAI-NPH-1e	Confirm/document the potential hazard effects of flooding based on conceptual facility design. (Seismic Draft RAI Question #1)	7/20/10
ENG-SMC-3	Conduct civil engineering boundary surveys, confirm easements, underground utilities and 40-acre location	8/6/10
D-RAI-NPH-1c	Assess/document the conceptual design structures for effect of wind-borne missiles. (Seismic Draft RAI Question #1)	8/31/10
F-RAI-RSP-1	Formal response to Official RAIs	9/1/2010
ENG-SMC-4	Conduct geotechnical/geophysical study, core drillings and assessment of soil at IIFP Site	9/24/10
D-RAI-STR-3	Characterize the site geotechnical medium, soil settlement, bearing capacity and liquefaction potential. (Seismic Draft RAI Question #3)	9/24/10
RVW-NRC-2	Expected NRC Review Meeting on Seismic	TBD
D-RAI-STR-6	Provide information on structural and foundation design of conceptual designed process buildings with emphasis on design-basis seismic. (Seismic Draft RAI Question #6)	10/15/10
D-RAI-NPH-4	Demonstrate bounding NPH for conceptual designed process buildings including load combinations based on conceptual design. (Seismic Draft RAI Question #4)	10/15/10
ENG-DB-6	Candidate DB contractor RFP responses/bids due to IIFP/INIS	10/20/10
ENG-DB-7	INIS/APTS evaluate DB candidate contractor RFP responses, resolve questions and award contract	11/20/10
ENG-DB-8	Begin technology transfer, licensing and conceptual design information exchange with selected DB contractor. Obtain concurrences for detailed design project schedule and priorities.	11/23/10
ENG-DB-9	DB Contractor Start Detailed Design/Engineering	12/1/10

DB = Design & Build

NPH = Natural Phenomena Hazards