

Rikhoff, Jeffrey

From: Eccleston, Charles
Sent: Wednesday, March 03, 2010 2:27 PM
To: ~~Bacuta, George; Beissel, Dennis; Bulavinetz, Richard; Imboden, Andy; Klementowicz, Stephen; Logan, Dennis; Rikhoff, Jeffrey; Travers, Allison; Pham, Bo; Eccleston, Charles~~
Subject: Salem/Hope Site Audit Plan/Schedule
Attachments: Salem Hope Creek Site Audit Plan (Final) V.3.xls; Salem Hope Creek Schedule (Final) V.3.xls

IDT,

Here is the final version of the Salem/Hope site audit/plan. Note: as a result of a few conflicts and to ensure that the applicant has sufficiently knowledgeable staff to support this schedule, the applicant has made some changes to the previous plan/schedule (combined a couple of similar interviews/tours etc.). Let me know ASAP if there are any problems with this plan or schedule.

Charles H. Eccleston

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INTERVIEWS

Allotted Time (hrs)	Type	ER Category	NRC Description	Areas of Interest	AECOM	NRC	State /Other Agencies	Comments
3	Interview #1	Cultural Resource and Socioeconomics	Archaeological & historical resources; Land use planning; Social services & public facilities; Impacts on housing, education facilities, transportation facilities, public water supplies, and off-site land use; Environmental justice.		S.Provenzano Goodwin	A.Travers/J.Rikoff		
1	Interview #2	Socioeconomics	Taxes; Social services & Public facilities; Impacts on housing, education facilities, transportation facilities, public water supplies, and off-site land use; Environmental justice.	Taxes paid by PSEG (update)	Provenzano	J. Rikhoff	Lower Alloways Creek Township, Salem County	These contacts may be conducted via phone during the audit period.
1	Interview #3A	Aquatic Resources	Surface water hydrology; Surface water quality; Surface water use conflicts; Aquatic communities; NPDES-permitted discharges and NPDES Permits	Surface water hydrology; Dredging practices; Surface water quality; NPDES-permitted discharges; Stormwater management; sewage treatment.	Dillard/Duda/Dover	D.Logan D.Beissel G.Bacuta R.Bulavinetz	NJ DEP; DNREC; NMFS; FWS; DRBC	
4	Interview #3B	Aquatic Resources	Surface water hydrology; Aquatic communities; CWA 316 issues	Intake and discharge structures; Intake velocities; Entrainment/impingement; Thermal plumes; Surface water quality; Aquatic community characteristics; Issues related to EFH and T&E species; Invasive species.	Dillard/Duda/Dover	D.Logan D.Beissel G.Bacuta R.Bulavinetz	NJ DEP; DNREC; NMFS; FWS; DRBC	
2	Interview #3C	Aquatic Resources	Estuary Enhancement Program	Bases of program; fish production; biomass comparison of wetlands and intake.	Dillard/Duda/Dover	D.Logan D.Beissel G.Bacuta R.Bulavinetz	NJ DEP; DNREC; NMFS; FWS; DRBC	
1	Interview #4A	Meteorological & Onsite Radiological Effluent Monitoring	Atmospheric and meteorological monitoring; Off-site REMP.	Met tower reliability and backup capabilities; REMP sampling.	Dover and Taylor	S. Klementowicz, G. Bacuta	NJ DEP	
1	Interview #4B	Meteorological & Onsite Radiological Effluent Monitoring	Radiological gaseous effluent points and monitoring locations; Radiological liquid effluent points and monitoring locations;Radiological dose calculations.	Radiological gaseous and liquid effluent points and monitoring locations;Radiological dose calculations.	Dover and Taylor	S. Klementowicz G. Bacuta	NJ DEP	
1	Interview #5A	Solid Waste Management	Industrial waste treatment, handling, and storage); Hazardous waste treatment, handling, and storage.	Non-hazardous industrial waste treatment, handling, and storage (trash); Hazardous waste treatment, handling, and storage;	Taylor	S. Klementowicz		
1	Interview #5B	Radioactive Solid Waste Management	LLW and Mixed LLW holding, processing, packaging, and storage.	LLW and mixed waste handling and disposal; Spent fuel storage capacity (wet and dry).	Taylor	S. Klementowicz		

Allotted Time (hrs)	Type	ER Category	NRC Description	Areas of Interest	AECOM	NRC	State /Other Agencies	Comments
2	Interview #6	Groundwater Resources	Waterbearing units; Water supply wells; Groundwater monitoring program; Groundwater use conflicts; Tritium release and remediation.	Water supply wells (usage, capacity, levels, permitting); Groundwater monitoring program (including tritium); Tritium release and remediation; Groundwater flow; Groundwater use conflicts.	Dover	D. Beissel; G. Bacuta	NJDEP; DNREC; EPA;Pennsville, Penns, Grove, and Salem water	
	Interview #7	Reserved						
2	Interview #8	T-Lines Management procedures; Terrestrial ecology	Use of pesticides & herbicides within T-line ROWs; Protocols for applying chemicals near streams and wetlands.	Maintenance protocols; Occurrences of sensitive species or habitats in ROWs.	Dillard	R. Bulavinetz, D. Logan ???		
2	Interview #9	Terrestrial Resources	Terrestrial habitats; General site information and questions; Threatened & endangered species; Invasive species.	Terrestrial habitats on and around sites; T&E species on or near sites; Invasive species.	Dillard	R. Bulavinetz D.Logan	NJ DEP; DNREC; FWS	
2	Interview #10	Air Permits	Locations and types of permitted air pollutant (non-rad) effulents.	Diesel fire pump; Diesel generators, Aux boiler, compliance and other air monitoring.	Dover and Taylor	G. Bacuta		
TBD	Interview #11	Alternatives	Alternatives to the Proposed Action	Discussions with regulators regarding: Alternatives to the Proposed Action; Potential modifications to open-cycle cooling systems at Salem; Renewable energy portfolio requirements/mandates.	Dover and Taylor	A. Travers	NJ Board of Public Utilities, Clean Energy Program	
5 (including travel time to Trenton, NJ)	** Will be conducted outside of Site Audit**	Archeological/Historical Resources	Site file/survey search at Registrar of NJ Archaeology, Trenton, NJ	Salem/Hope Creek sites	Goodwin	A. Travers	Greg Lattanzi, Registrar of NJ Archaeology	

Allotted Time (hrs)	Type	ER Category	NRC Description	Areas of Interest	AECOM	NRC	State /Other Agencies	Comments
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TOURS

Allotted Time (hrs)	Type	ER Category	NRC Description	Areas of Interest	AECOM	NRC	State /Other Agencies	Comments
1.5	Tour #1A	General Overview; Protected Area		To be determined based on pre-audit data review.	One-half team members	One-half team members		
1.5	Tour #1B	General Overview; Owner Controlled Area		To be determined based on pre-audit data review.	One-half team members	One-half team members		
2.5	Tour #2	Archeological/ Historical Resources	View cultural sites	Hancock's Bridge; Lower Alloways Creek (Mason House); other as appropriate.	Goodwin	A.Travers J.Rikhoff	SHPO	May not be needed .
1	Tour #3A	Hope Creek Cooling Water Intake and Discharge System	Hope Creek Cooling Tower; Intake Structure, pumps, screens; fish return; Discharge piping, sampling house; Dechlorination system.	Hope Creek Cooling Tower; Intake Structure, pumps, screens; fish return; Discharge piping, sampling house; Dechlorination system.	Dillard/Duda	D.Logan R.Bulavinetz		
3	Tour #3B	Salem Cooling Water Intake and Discharge System	Salem CW Intake structure, CW pumps; traveling screens; fish return; fish sampling pool. lating water pump house; cooling water discharge; Service Water Intake Structure; Service water screens.	Salem CW Intake structure, CW pumps; traveling screens; fish return; fish sampling pool. lating water pump house; cooling water discharge; Service Water Intake Structure; Service water screens.	Dillard/Duda	D.Logan R.Bulavinetz		
2	Tour #4A	Radioactive Wastes	Gaseous, liquid, and solid radioactive waste effluent release points; Typical radiological environmental monitoring station (including any co located State monitoring stations.)	LLRW Storage Facility; (HIC and LSA boxes); Mixed waste storage area; Radioactive effluent release points.	Taylor	S.Klementowicz G.Bacuta		
1	Tour #4B	Solid Waste - Non-Radioactive Wastes	Typical radiological environmental monitoring station (including any co located State monitoring stations.)	Industrial solid waste storage areas (representative trash, recycle, hazardous waste areas); Sewage treatment system; Spent fuel storage (dry)	Taylor	S.Klementowicz G.Bacuta		
3	Tour #5	T-Lines Management procedures; Terrestrial Ecology; Archeological/ Historical Resources	T-lines that cross wetlands; T-lines that cross rivers/streams; T-lines that cross park/state land/protected areas; T-lines that cross historic and archaeological sites or areas of potential historic and archaeological sensitivity; Use of pesticides & herbicides within T-line ROWs; Protocols for applying chemicals near streams and wetlands	Crossings of wetlands or other sensitive areas that are readily accessible; terrestrial habitats on and near sites; T&E species on or near sites; invasive species	Dillard Duda Zoe Goodwin	D.Logan R.Bulavinetz G.Bacuta		
	Tour #6	Reserved						

Allotted Time (hrs)	Type	ER Category	NRC Description	Areas of Interest	AECOM	NRC	State /Other Agencies	Comments
2	Tour #7	Radiological Gaseous Monitoring and non-radioactive air emission points.	On-site air effluent points and monitoring locations; On-site Liquid radiological effluent points; on-site air emission points.	Exterior of plant; Diesel generators, Aux boiler, compliance and other air compliance points; radioactive gaseous effluent points.	Taylor ????	Klementowicz		
2	Tour #8	Offsite REMP Stations	Off-site REMP Stations	Representative Air stations, Gardens, Milk locations, Upstream River Sampling Point, TLD locations; co-located NJDEP monitoring sites	Taylor ????	Klementowicz		
2	Tour #9	On-site groundwater wells & NPDES-permitted outfalls	Monitoring wells that comprise the Radiological Groundwater Protection Program and Salem Groundwater Remediation System; Supply wells; Stormwater management system; NPDES-permitted outfalls	Monitoring wells that comprise the Radiological Groundwater Protection Program and Salem Groundwater Remediation System; Production Well #6; Stormwater management system; NPDES-permitted outfalls.	Dover/Dillard/Duda	D.Logan D.Beissel G.Bacuta		
2	Tour #10	Alternatives	Alternatives to the Proposed Action	Locations for new/additional facilities, new fossil-fueled plant, and/or cooling towers.	Dover and Taylor????	A.Travers		
4	Tour #11	Boat tour			Duda/ Dillard/ B.Dover	D. Logan R.Bulavinetz D.Beissel G.Bacuta		

PRESENTATIONS

Allotted Time (hrs)	Type				AECOM	NRC	State /Other Agencies	Comments
0.5	Present #1	General information and safety			All	All	All	
2.5	Present #2	Estuary Enhancement Program						
1.5	Present #3	Nuclear Development						

Monday March 8	Event	NRC Participants	AECOM Participants	Other
12:00				
12:30				
1:00				
1:30	Presentation #1 (General overview, site familiarization, Safety)	All	All	
2:00				
2:30	Tour #1A (Overall Site Tour, Protected Area)	All - Group 1	All - Group 1	
3:00				
3:30				
4:00	Tour #1A (Overall Site Tour, Protected Area)	All - Group 2	All - Group 2	
4:30				
5:00				
5:30				
6:00				

Monday March 8	Event	NRC Participants	AECOM Participants	Other
12:00				
12:30				
1:00				
1:30				
2:00				
2:30	Tour #1B (Overall Site Tour Owner Controlled Area)	All - Group 2	All - Group 2	
3:00				
3:30				
4:00	Tour #1B (Overall Site Tour, Owner Controlled Area)	All - Group 1	All - Group 1	
4:30				
5:00				
5:30				
6:00				

Tuesday March 9	Event	NRC Participants	AECOM Participants	Other
7:30	Tour #2 (Archeological/Historical Resources) Interview #1 (Cultural/ Socio) Tour #2 (Archeological/Historical Resources) - Continued	A Travers J Rikhoff	Provenzano Goodwin	SHPO?
8:00				
8:30				
9:00				
9:30				
10:00	Lunch			
10:30				
11:00				
11:30				
12:00				
12:30				
1:00	Interview #2 (Socio)	Rikoff	Provenzano	Lower Alloways Creek Township
1:30				
2:00				
2:30				
3:00				
3:30				
4:00				
4:30				
5:00				
5:30				

Tuesday March 9	Event	NRC Participants	AECOM Participants	Other
8:00	Tour # 11 Boat tour	D. Logan G Bacuta D. Bessel R. Bulavinetz	Duda B. Dover Dillard	
8:30				
9:00				
9:30				
10:00				
10:30	Lunch			
11:00				
11:30				
12:00				
12:30				
1:00	Tour #3B (Salem Intake/Discharge Water System)	D. Logan Bulavinetz	Dillard Duda	
1:30				
2:00				
2:30				
3:00				
3:30				
4:00				
4:30				
5:00				
5:30				

Tuesday March 9	Event	NRC Participants	AECOM Participants	Other
8:00	Interview #4B - Radiological Effluents	Klementowicz, Bacuta	Dover, Taylor	
8:30				
9:00	Interview #4A Meteorological Monitoring	Klementowicz, Bacuta	Dover, Taylor	
9:30	Tour #8 (Offsite REMP stations)	Klementowicz	Taylor	
10:00				
10:30				
11:00				
11:30				
12:00	Lunch			
12:30				
1:00				
1:30				
2:00				
2:30				
3:00	Tour 4A - Radioactive Wastes	G Bacuta Klementowicz	Taylor	
3:30	Tour 7 - Air Emission Points	G Bacuta Klementowicz	Taylor	
4:00				
4:30				
5:00				
5:30				

Wednesday March 10	Event	NRC Participants	AECOM Participants	Other
8:00	Interview #8 (T-lines, Terrestrial Ecology)	Bulavinetz	Dillard	
8:30				
9:00				
9:30				
10:00	Interview #9 (Terrestrial Ecology)	Bulavinetz, Logan	Dillard	NJDEP, DNREC, FWS
10:30				
11:00				
11:30				
12:00	Lunch			
12:30	Lunch			
1:00	Tour #5 (T-Lines, Terrestrial ecology)	D.Logan R.Bulavinetz G.Bacuta	Dillard, Duda Zoe M.Goodwin	
1:30				
2:00				
2:30				
3:00				
3:30				
4:00				
4:30				
5:00				

Wednesday March 10	Event	NRC Participants	AECOM Participants	Other
8:00	Interview #6 (Groundwater Resources)	Bacuta Beissel	Taylor Dover	NJDEP, DNREC, EPA, Pennsville, Penns Grove, and Salem Water Systems
8:30				
9:00				
9:30				
10:00	Tour #9 (Wells and Outfalls)	Bacuta Beissel D.Logan	Dillard Dover Duda	
10:30				
11:00				
11:30				
12:00	Lunch			
12:30	Lunch			
1:00	Interview # 10 (Air Permits)	G.Bacuta	Dover, Taylor	
1:30				
2:00	Interview # 11 (Alternatives)	A. Travers	Dover, Taylor	
2:30				
3:00				
3:30	Tour # 10 (Alternatives)	A. Travers	Dover, Taylor	
4:00				
4:30				
5:00				

Wednesday March 10	Event	NRC Participants	AECOM Participants	Other
8:00				
8:30				
9:00				
9:30				
10:00				
10:30				
11:00				
11:30				
12:00	Lunch			
12:30	Lunch			
1:00				
1:30				
2:00				
2:30				
3:00	Interview #5B (Rad Waste Management)	Klementowicz G. Bacuta	Taylor	
3:30				
4:00	Interview #5A (Non-Radioactive Waste)	Klementowicz	Taylor	
4:30				
5:00				

Thursday March 11	Event	NRC Participants	AECOM Participants	Other
7:30				
8:00	Interview #3A (NPDES)			
8:30				
9:00				
9:30	Interview #3B (Aquatic Resources)	D. Logan	Duda	
10:00		G. Bacuta	Dover	
10:30		D. Beissel	Dillard	
11:00		R. Bulavinetz		
11:30				
12:00	Lunch			
12:30				
	Presentation #2 (Estuary Enhancement Program)	All	All	
1:00				
1:30				
2:00				
2:30				
3:00	Presentation #3 (New Plant Early Site Permit)	All	All	
3:30				
4:00				
4:30				
5:00	Debrief	All	All	

Friday March 12	Event	S/HC Participa nts	NRC Participa nts	AECOM Participa nts	Other
7:30					
8:00					
8:30					
9:00					
9:30					
10:00					
10:30					
11:00					
11:30					
12:00					
12:30					
1:00					
1:30					
2:00					
2:30					
3:00					
3:30					
4:00					
4:30					
5:00					