

Duane Arnold: Site Regulatory Audit Plan

Allotted Time (hrs)	Type	ER Category	NRC Description	DAEC Areas of Interest	DAEC SME
2	Interview #1	Meteorological & Onsite radiological Effluent Monitoring	Atmospheric and meteorological monitoring Radiological gaseous effluent points and monitoring locations Radiological liquid effluent points and monitoring locations Off-site REMP Radiological dose calculations	Met tower reliability and backup capabilities. KAMAN ODAM REMP	S. Funk T Weaver (Met) B Clark (Rad Monitors)
2	Interview #2	Alternatives	Alternatives to the Proposed Action	Alternatives to the Proposed Action	Anne Lovell
2	Interview #3	Aquatic Resources	Surface Water hydrology; Surface Water quality; Surface Water use conflicts; Aquatic Communities; NPDES-permitted discharges	Surface Water hydrology; (approach and through screen water velocities) River Management (dredging practices and quantity at intake and discharge) Surface Water quality; Surface Water use conflicts; Aquatic Communities; NPDES-permitted discharges Wing Dams	J. Hogan? P Collingsworth S Funk Phil Moore (phone)
2	Interview #4	Groundwater Resources	Waterbearing units Water supply wells; Groundwater monitoring program; Groundwater use conflicts	Water supply wells; (usage, capacity, levels) Groundwater monitoring program (including tritium); Groundwater flow Groundwater use conflicts	J. Hogan S. Funk A LaGrange Gary Gunter (phone AM)
2	Interview #5	Socioeconomics	Taxes; Land use planning; Social services & Public facilities; Impacts on housing, education facilities, transportation facilities, public water supplies, and off-site land use; Environmental justice		Nikki Hill (taxes phone) Mary Hoganson (phone)
2	Interview #6	Solid Waste Management	LLW and Mixed LLW holding, processing, packaging, and storage; Industrial waste treatment, handling, and storage) Hazardous waste treatment, handling, and storage Sewage treatment	Radwaste handling Non hazardous industrial waste treatment, handling, and storage (trash) Hazardous waste treatment, handling, and storage Sewage treatment	D Albretch Ray Patrilla A LaGrange W. Keith Amy Stanford
2	Interview #7	Terrestrial Resources	Terrestrial Habitats; General site information and questions; Threatened & Endangered Species; Effects of refurbishment Invasive species	Terrestrial Habitats; General site information and questions; Threatened & Endangered Species;(on and near site) Osprey relocation effort; Invasive species (zebra mussels)	J Hogan S. Funk? Larry Brian (phone)
2	Interview #8 (combined with Tour #9)	T-Lines Management procedures; Terrestrial ecology	Use of pesticides & herbicides within T-line ROWs; Protocols for applying chemicals near streams and wetlands	Identification of endangered flora/fauna. Indian Creek Nature Center – limited use of herbicides near bee hives.	ITC Midwest Anne Lovell Amy Sanford Larry Brian (phone)

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2.5	Tour #2	Archeological/ Historical Resources	Visit historic and archaeological resources onsite. Walkover of plowed/cultivated areas. View shoreline areas. Walkover of areas identified as having potential for historic resources. View historic and archaeological sites surrounding plant property (bluff sites/burial sites, if close).	Wickiup Hill, Onsite areas identified by Berger (9)	J Probst Berger and Associates
2.0	Tour #3 (combine d with tour #7)	Radiological Gaseous and Liquid Effluent Monitoring Programs and Diesel Generator emission points	Met Tower Onsite air effluent points and monitoring locations. Onsite Liquid radiological effluent points and monitoring locations. Liquid radioactive waste system control panel.	Met tower; Pump house <ul style="list-style-type: none"> Liquid effluent line and monitor Diesel fire pump KAMAN sample station Exterior of plant Diesel Generators, Aux Boiler, Radwaste Control room *	S. Funk T. Weaver B. Clark J. Hogan
2.0	Tour #1	General Overview No entry into Protected Area		Training Bldg; ISFSI; REMP sampling site Homestead #3 Sewage Treatment Facility Shooting Range Cooling towers; Wing Dams, Discharge canal; Met tower; Storm Water Collection Area (1000 day holdup) Pleasant Creek Substation and transmission lines (onsite); Production Wells Tritium Sampling Wells	An amalgam of all individual tour personnel
2.0	Tour #4	Offsite REMP Stations	Offsite REMP Stations	Air stations, Gardens, Milk locations Upstream River Sampling Point	S Funk D Johnson R Patrella? RW Operator?
2.0	Tour #5	On-site groundwater wells & NPDES-permitted outfalls	Monitoring wells that compose the Groundwater Radiation Protection Program; Supply wells; Stormwater management system; (hold up pond?) NPDES-permitted outfalls	Supply wells; Tritium sampling wells Stormwater management system; (hold up pond?) NPDES-permitted outfalls	S Funk A Lagrange J Hogan
2.0	Tour #6	River Water System	Intake structure & pump house Chlorinator house Water pretreatment building Screen house desilting basin Circulating water pump house Cooling Towers	Cooling Towers Intake structure Discharge canal and sampling station Pump House <ul style="list-style-type: none"> Chlorination / dechlorination skids Surfuric Acid 	P Collingsworth W Keith A LaGrange

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2.0	Tour #7 (combined with tour #3)	Solid Waste, (rad and non-rad [hazardous and non-hazardous]) LLW & Sewage Treatment	Gaseous, liquid, and solid radioactive waste processing areas; (not just spent fuel) Radioactive effluent release points Radioactive effluent monitoring systems Typical radiological environmental monitoring station (including any co located State monitoring stations.)	Radwaste control room LLRW Storage Area; (HIC and LSA boxes) Mixed waste storage area Industrial Waste storage areas Radioactive effluent release points? LLRW KAMAN Fifth Floor KAMAN Sewage Treatment system NPDES outfall monitoring location?	Dan Albretch S Funk T. Weaver B. Clark
2.0	Tour #8	Terrestrial Ecology	General terrestrial site layout; Wetland habitats Vegetation; common flora/fauna	Wooded area north of plant; Pasture land north of plant Osprey Nest River Bank Wing Dams	Hogan
3.0	Tour #9	T-Lines Management procedures; Terrestrial ecology	T-lines that cross wetlands T-lines that cross rivers/streams T-lines that cross park/state land/protected areas Use of pesticides & herbicides within T-line ROWs; Protocols for applying chemicals near streams and wetlands	Bertram lines as it crosses Indian Creek Hiawatha Line as it crosses Cedar toward Wikiup Sixth St line crossing the preserve by Xavier Identification of endangered flora/fauna. Indian Creek Nature Center – limited use of herbicides near bee hives.	J. Hogan? ITC Midwest Anne Lovell Amy Sanford

Note: Because of staff conflicts, Interview #8 has been combined with Tour #9