

**From:** Richard Emch  
**To:** Rich Gallagher  
**Date:** 4/2/04 3:44PM  
**Subject:** Millstone Site Audit Information Needs & Schedule

Rich,

Attached are the information needs and schedule for the Millstone environmental site audit during the week of May 17. I will be out of the office April 5-23. I will be on annual leave for the first week. Leslie Fields (301) 415-1186 is the back-up project manager for the environmental review. Jenny Davis (301) 415-3835 is also working on the project. I can be contacted on my cell phone (301) 526-8716.

Rich Emch

**CC:** Barry Zalcman; John Tappert; JXD; Leslie Fields; Michael Masnik; Robert Palla; Ted B. Doerr

**May 17-20, 2004 Millstone 2 & 3 License Renewal Environmental Review  
NRC Audit Schedule**

- 11 -

**Monday, May**

**17 - Travel**

1800-1900 Meeting of NRC and Lab Teams at Mystic Hilton Hotel

**Tuesday, May 18 - Scoping Meetings**

TIME	SUBJECT	LAB/NRC STAFF	Dominion STAFF	CONTACTS	LOCATION(S)
1030- 1100	Some NRC leave for Hall for meeting set up	NRC	N/A		
1100- 1115	Team Meeting at hotel	All	N/A		
1115- 1200	Depart to public meetings	All	All applicable		
1230- 1330	1 <sup>st</sup> NRC Open House	All	N/A		
1330- 1630	1 <sup>st</sup> Public Scoping Meeting	All	All applicable		
1630- 1800	Dinner	All	N/A		
1800- 1900	2 <sup>nd</sup> NRC Open House	All	N/A		
1900- 2200	2 <sup>nd</sup> Public Scoping Meeting	All	All applicable		
2200- 2300	Closure/Departure to Hotel	All	All applicable		

Site Audit Schedule

March 25, 2004

# **May 17-20, 2004 Millstone 2 & 3 License Renewal Environmental Review NRC Audit Schedule**

**Wednesday, May 19, 2004 - Morning**

TIME	SUBJECT	LAB/NRC STAFF	Dominon STAFF	CONTACTS	LOCATION(S)
0800-0845	Introductions, Overview of Site Audit Schedule, Administrative Items	All			
0845-1130	SAMA discussion	R. Palla (NRC) J. Tappert (NRC) K. Green (ISL) B. Schmidt (ISL)			
0845-1000 or 1030	General Site Tour – to include visuals &/or discussions of site vicinity, switch-yard, met towers, intake structures, discharge structures, containments, sewage treatment.	All			
1030-1200	Boat tour (intakes, discharge pts, aquatic, terrestrial, hydrology, Coastal Zone Mgmt)	J. Ward L. Henne S. Loftin B. Gallaher M. Masnik (NRC)			
1030-1130	Air Quality/Meteorology (& new/ sig. Info) discussions (tour if needed).	K. Costigan B. Zalzman (NRC)			
1030-1130	Historical and archaeological (& new/ sig. Info) discussions	B. Masse L. Fields (NRC)			
1030-1130	Socioeconomics/Land Use Discussions	Dan Pava J. Davis (NRC)			
1030-1130	Radiation Protection & Human Health (& new/ sig. Info) discussions	B. Colby R. Emch (NRC)			
1130-1230	Lunch				

Site Audit Schedule

March 25, 2004

### May 17-20, 2004 Millstone 2 & 3 License Renewal Environmental Review NRC Audit Schedule

**Wednesday, May 19, 2004 - Afternoon**

TIME	SUBJECT	LAB/NRC STAFF	Dominon STAFF	CONTACTS	LOCATION(S)
1230-1430	SAMA discussion	R. Palla (NRC) J. Tappert (NRC) K. Green (ISL) B. Schmidt (ISL)			
1230-1300	Environmental Report, Discussion of New & Significant Information Process & Sources	Ted Doerr (All) All (NRC)			
1300-1500	Alternatives and comparison of alternative impacts, etc.	Ted Doerr L. Fields (NRC) B. Zalzman (NRC)			
1300-1430	Transmission line tour (if needed)	S. Loftin M. Masnik (NRC)			
1300-1430	Cooling & Other Water System & Rad Waste Tour	B. Gallaher B. Colby R. Emch (NRC)			
1330-1530	Land use/Socioecon Offsite contact meetings (Agricult, planners, development bureaus etc.) TBD	D. Pava J. Davis (NRC)			
1430-1530	Non-Rad Waste (& new/ sig. Info) discussions	B. Colby B. Gallaher R. Emch (NRC)			
1430-1530	Terrestrial & Aquatic Resources, Hydrology/Water Use (& new/ sig. Info) discussions	J. Ward S. Loftin L. Henne B. Gallaher M. Masnik (NRC)			
1530-1630	Exit Wrap-up	All			

Site Audit Schedule

March 25, 2004

# **May 17-20, 2004 Millstone 2 & 3 License Renewal Environmental Review NRC Audit Schedule**

**Thursday, May 20, 2004 - Offsite Meetings, Follow-up Onsite Document Review, & Travel**

**FOLLOWING TABLE TO BE DETERMINED**

<b>TIME</b>	<b>SUBJECT</b>	<b>LAB/NRC STAFF</b>	<b>SCE&amp;G STAFF</b>	<b>CONTACTS</b>	<b>LOCATION(S)</b>
	SAMA Discussion	R. Palla (NRC) J. Tappert (NRC) K. Green (ISL) B. Schmidt (ISL)			On-Site
	County - county land use patterns policies & trends as may affect Site & landuse & zoning maps	D. Pava J. Davis (NRC)		(planning)	
	General Follow-up discussions and document review (if needed)	TBD	TBD		On-site
	Town 1 <sup>st</sup> Selectman/Planner - land use trends & taxes	D. Pava J. Davis (NRC)			
	Homes Realty - Local resident & commercial real estate trends related to relicensing	D. Pava J. Davis (NRC)			
	SHPO - review records & survey information	B. Masse L. Fields (NRC) ?			
	Director of Council of Governments	D. Pava J. Davis (NRC)			
	Economic Development re: NRC policy	D. Pava J. Davis (NRC)			
	Director, United Way	Dan Pava J. Davis (NRC)			
	Coastal Zone Planner	J. Ward D. Pava L. Henne S. Loftin M. Masnik (NRC)			
	NOAA - NMFS	J. Ward L. Henne S. Loftin M. Masnik (NRC)			
	State Water Agency - NPDES	B. Gallaher B. Zalcman (NRC)			
	State Health Agency - Rad Monitoring	B. Colby B. Zalcman (NRC)			
	Exit, departure				

Site Audit Schedule

March 25, 2004

**May 17-20, 2004 Millstone 2 & 3 License Renewal Environmental Review  
NRC Audit Schedule**

**Friday May 21, 2004**

<b>TIME</b>	<b>SUBJECT</b>	<b>LAB/NRC STAFF</b>	<b>SCE&amp;G STAFF</b>	<b>CONTACTS</b>	<b>LOCATION(S)</b>

Site Audit Schedule

March 25, 2004

**Data / Information Needs & Contacts for Millstone License Renewal  
Site Visit May 2004**

<b>Discipline/Lead</b>	<b>Millstone<sup>a</sup></b>	<b>Offsite<sup>b</sup></b>
Land Use, Alternatives, Permits/Socioeconomics, Economics, Environmental Justice Dan Pava	<b>Onsite Data Needs</b>	<b>Offsite Data Needs</b>
	<ul style="list-style-type: none"> <li>• Need more detailed land use and ownership maps that shows the transmission line corridor.</li> <li>• Need info on educational facilities in the counties surrounding the site.</li> <li>• NEI Study of socioeconomics related to Millstone</li> <li>• ER references: 2.2-10, 2.6-2, 2.6-3, 2.6-4, 2.6-5, 2.6-7, 2.6-8, 2.6-9, 2.6-19, 2.6-11, 2.6-12, 2.7-1, 2.8-1, 2.8-3, 2.8-4, 2.8-5, 2.8-6, 2.9-8, 2.9-9, 2.11-1</li> </ul>	<ul style="list-style-type: none"> <li>• Current comprehensive plan land use designations and zoning (if any) for the region.</li> <li>• USGS or other agency maps for each of the effected counties.</li> <li>• More information on land use trends in, comparing land uses now with those in the past</li> </ul>
	<b>Contacts - see next page</b>	<b>Contacts - see next page</b>

	<p>Staff familiar with socioeconomic and land use issues related to the plant and neighbors</p>	<ol style="list-style-type: none"> <li>1. Paul Eccard: Waterford First Selectman 860-444-5843</li> <li>2. Tom Wagner: Waterford Town Planner 860-444-5813</li> <li>3. Maureen Fitzgerald: Waterford Environmental Planner 860-444-5813</li> <li>4. Tony Sheridan: President, Chamber of Commerce of Eastern Connecticut 860-464-7373</li> <li>5. Bill Stanley: Chairman of the Board, Chamber of Commerce of Eastern Connecticut 860-464-7373</li> <li>6. Jim Butler: Executive Director, of the Southeastern Connecticut Council of Governments Chamber of Commerce of Eastern Connecticut - Deborah DeChristoforo or designee 860-4647373 Connecticut Commercial Realty, New London 860-444-7704 possibly Mr. Olin Paige who is a Waterford native, or the firm's president Mr. William Newman Mashantucket Pequot Tribal Nation - planning staff 860-396-6100 Southeastern Connecticut Council of Governments - James Butler executive director or designee 860-889-2324 Southeastern Connecticut Enterprise Region - John Markowicz executive director 860-437-4659 x 201 United Way of Southeastern Connecticut, Gales Ferry 860-464.7281 Waterford - Thomas Wagner - Planning Director or designee 860-444-5813 and possibly elected official(s) Waterford School District - Superintendent - 860- 444-5852</li> </ol>
<p>Terrestrial Ecology, Threatened &amp; Endangered Species Sam Loftin</p>	<p>Onsite Data Needs</p>	<p>Offsite Data Needs</p>



	<ul style="list-style-type: none"> <li>Listed plants or animals field survey results of the site and transmission corridors</li> <li>New England cottontail survey results.</li> <li>Tall nut sedge survey results.</li> <li>State agency information regarding sensitive/protected terrestrial habitat and species within a 5 mile radius</li> <li>Transmission line survey information and protocols (ref # 2.4-2)</li> <li>Vegetation management protocols for site &amp; transmission lines (ref # 2.4-3, 2.4-5)</li> <li>Reports describing attributes of the terrestrial ecology habitat and species for the site and transmission facilities (with maps when available) (ref # 2.4-1).</li> <li>Survey permit or permit reports related to species protected under the Migratory Bird Treaty Act</li> <li>Copy of any reports that discuss terrestrial ecology</li> <li>Corps of Engineers Wetland Determinations/ correspondence</li> </ul>	<ul style="list-style-type: none"> <li>Maps of sensitive/protected species habitat and locations from Connecticut DEP.</li> <li>Response from National Marine Fisheries Service to letter dated 2/25/03 (if available)</li> </ul>
	<b>Onsite Contacts</b>	<b>Offsite Contacts</b>
	<ul style="list-style-type: none"> <li>Staff familiar with Transmission Line Maintenance</li> <li>Staff familiar with biological resources and permit/consultations</li> </ul>	<ul style="list-style-type: none"> <li>FWS</li> <li>NOAA-NMFS</li> <li>Margaret Welch - Senior Coastal Planner, CT Dept. Env.Prot</li> <li>Maureen Fitzgerald - Waterford Environmental Planner</li> <li>USACE</li> </ul>

<p>Human Health and Radiological Waste Brian Colby</p>	<p><b>Onsite Data Needs</b></p> <ul style="list-style-type: none"> <li>• Occupational Exposure Reports for the last 3 years.</li> <li>• Offsite Dose Calculation Manual</li> <li>• Simplified drawings and description of rad waste or effluent control systems not in FSAR</li> <li>• Annual Radiological Effluent Reports for the last three years</li> <li>• </li> <li>• Annual Radiological Environmental Monitoring Reports for the last three years</li> <li>• RCRA Permit for low level mixed waste storage</li> <li>• 10CFR61 Radioisotope Analytical Reports for the last three years (summary)</li> <li>• Non-Rad Waste Systems: Cooling Systems, liquid discharge pathways, thermophilic organisms, additives and treatment, average flow rates and thermal characteristics</li> <li>• Shock analysis for connecting transmission lines</li> </ul>	<p><b>Offsite Data Needs</b></p> <ul style="list-style-type: none"> <li>• Any reports (e.g., State or Federal) addressing radiological and health studies for the area</li> <li>• Annual monitoring reports or publications prepared by states, or other federal agencies, universities, public organizations, and license applicant that are publicly available and that address radioactive emissions or effluents from the station.</li> </ul>
	<p><b>Contacts</b></p> <ul style="list-style-type: none"> <li>• Dominion staff responsible for Radiological Environmental Monitoring Program</li> <li>• Dominion staff responsible for radiological effluent and waste management and monitoring systems</li> </ul>	<p><b>Contacts</b></p> <ul style="list-style-type: none"> <li>• Dr. Ed Wilds, the Director of Division of Radiation for CT DEP (860-424-3029)</li> <li>• State RCRA Permit Representative</li> <li>• State NPDES Permit Representative</li> </ul>

Cultural Resources, Native American consul. Bruce Masse	<b>Onsite Data Needs</b>	<b>Offsite Data Needs</b>
	<ul style="list-style-type: none"> <li>Plant management plans that include cultural resources or management practices for the site.</li> <li>Any archaeological or historical studies that were completed in conjunction with the construction or operations ER and EIS and the appropriate sections of the ERs and EISs.</li> <li>A copy of 1998 PAST town-wide archaeology assessment survey</li> </ul>	Archaeology Archives (trip)
	<b>Contacts</b>	<b>Contacts</b>
	<ul style="list-style-type: none"> <li>Person responsible for overseeing routine maintenance activities for the grounds of the site</li> <li>Someone familiar with the archaeological resources of the area</li> </ul>	<ul style="list-style-type: none"> <li>Dr. David Poirier: CT SHPO - archaeologist, Environmental Coordinator</li> <li>Robert Nye: Watertown Clerk/Historian</li> <li>Tribal contacts if needed</li> </ul>

Hydrology, Water Quality, Water Supply Bruce Gallaher	<b>Onsite Data Needs</b>	<b>Offsite Data Needs</b>
	<ul style="list-style-type: none"> <li>• NPDES Permit—most recent</li> <li>• NPDES- in process application</li> <li>• Last 3 months of discharge monitoring reports (DMRs).</li> <li>• Copy of Millstone Annual Report for 2002 (Reference 2.2-7).</li> <li>• Any/all Notice of Violation or Letters of Warning related to water systems or nonradioactive waste systems since 2001.</li> <li>• Reports describing attributes of the site hydrology, hydrogeology and groundwater withdrawals (with maps if available), References 2.1-1 and 2.1-2</li> <li>• Description of existing on-site wells. Items of interest include average flow rate, peak flow rate, water use, and completion depth</li> <li>• Well registrations or permits maintained for on-site wells. Map showing location of wells relative to site boundary and nearby off-site wells.</li> <li>• SAR (Ref 2.1-1) or the 1984 FEIS (Ref 2.2-10) for unit 3 same needed for unit 4</li> </ul>	
	<b>Contacts</b>	<b>Contacts</b>
	<ul style="list-style-type: none"> <li>• Staff regarding intake/discharge operations including cooling and auxiliary water systems, chlorine injection systems, and associated field environmental monitoring</li> <li>• Staff regarding surface water / ground water operations &amp; use</li> <li>• Permitting person for water use and nonradioactive waste systems</li> <li>• Staff knowledgeable of non-rad waste operations</li> </ul>	Charles Nevianya - DEP NPDES Permit reviewer (860) 424-3846

Aquatic Ecology, Threatened & Endangered Species Lisa Henne	Onsite Data Needs	Offsite Data Needs
	<ul style="list-style-type: none"> <li>References cited in the ER: Specifically, 2.2-1, 2.2-2, 2.2-3, 2.2-4, 2.2-5, 2.2-7, 2.2-10, 2.2-13, 2.2-14, 2.2-21; 4.2-1, 4.2-2, 4.2-3</li> <li>Information considered or reviewed to determine if new and significant information related to fisheries was available</li> <li>Any additional aquatic monitoring data or reports, impingement and entrainment data or studies, and thermal effects data or studies.</li> <li>Any additional environmental reports referenced in the ER</li> <li>316b reports (CWA-NPDES)</li> </ul>	<ul style="list-style-type: none"> <li>NOAA-NMFS information on fisheries and aquatic T&amp;E species</li> <li>State reports on fisheries or T&amp;E species</li> <li>USACE reports on fisheries and T&amp;E reports</li> <li>NOAA-NMFS information on fisheries and aquatic T&amp;E species</li> <li>Copy of the NMFS response to DNC letter dated 2/25/03, Appendix C</li> </ul>
	Contacts	Contacts
	<ul style="list-style-type: none"> <li>Site specialist - aquatic ecology:</li> <li>Environmental Lead (regarding impingement/entrainment, thermal effects, water quality, and fisheries)</li> <li>Tour of aquatic area</li> <li>Staff monitoring surface water and aquatic biota, as well as thermal ecology</li> <li>Appropriate Plant Staff regarding intake/discharge operations</li> <li>Environmental Engineer - Surface water</li> </ul>	<ul style="list-style-type: none"> <li>FWS</li> <li>NOAA-NMFS</li> <li>Margaret Welch - Senior Coastal Planner, CT Dept. Env.Prot</li> <li>Maureen Fitzgerald - Waterford Environmental Planner</li> <li>Charles Nevianya - DEP NPDES Permit reviewer (860) 424-3846</li> <li>Dave Simpson (860-434-6043): Marine Fisheries Group, DEP; Old Lyme, CT</li> </ul>

Air Quality Keeley Costigan	Onsite Data Needs	Offsite Data Needs
	Summary of annual non-radiological air emissions from the facility, in terms of criteria pollutants. Air emission sources may include diesel standby generators, portable power generators, architectural coatings, solvent cleaning, etc. For diesel standby generators, the horsepower rating of each engine and average annual hours of operation for maintenance testing of each engine.	Copy of the most recent air quality attainment status report for the Air Quality Control Region.
	Copy of air permits for all non-radiological air emission sources. If none, then a copy of the regulation(s) providing the basis for an exemption or exclusion from air permitting.	
	Narrative description of the meteorological setting of the facility, including altitude, terrain, precipitation, storm patterns, humidity, etc. Distance to the nearest residential/commercial receptors, and any special meteorological factors that may impact the transport of air emissions to these receptors.	
	Copy of a "wind rose" for the facility, representing patterns of wind speed and direction. If none available from the site met tower, then from the nearest representative met tower.	
	Compliance records. Copies of any regulatory agency violation notices and related correspondence, for non-radiological air emissions since 2001. Copies of any records documenting citizen complaints or concerns, for non-radiological air emissions. If none, then a copy of a summary statement regarding the absence of violations and complaints since 2001.	
	Copy of any health risk assessment or dispersion study, pertaining to non-radiological air emissions from the facility.	
	Contacts - Air/Meteorology specialist	Contacts - None

- a. Data needs / contacts requested from the licensee
- b. Data needs / contacts that will be obtained by team members