

**From:** Leslie Fields  
**To:** Ted B. Doerr  
**Date:** 4/19/04 11:04AM  
**Subject:** Site Audit Needs questions

Ted,

Richard Gallagher of Dominion has comments regarding the Site Audit Needs request. Please review the attached. The highlighted areas show where Dominion has comments and the red text immediately following the highlight presents Dominion's comments. Feel free to contact me if you have any questions.

Thanks,

Leslie C. Fields, PM  
US NRC  
301-415-1186  
fax 301-415-2002

**CC:** Richard Emch

**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>
<b>Land Use, Alternatives, Permits/Socioeconomics, Economics, Environmental Justice Dan Pava</b>	<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 860-464-7373</li> </ol> <p>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</p> <p>Mashantucket Pequot Tribal Nation - planning staff 860-396-6100</p> <p>Southeastern Connecticut Council of Governments - James Butler executive director or designee 860-889-2324</p> <p>Southeastern Connecticut Enterprise Region - John Markowicz executive director 860-437-4659 x 201</p> <p>United Way of Southeastern Connecticut, Gales Ferry 860-464.7281</p> <p>Waterford - Thomas Wagner - Planning Director or designee 860-444-5813 and possibly elected official(s)</p> <p>Waterford School District - Superintendent - 860- 444-5852</p>
<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. No survey is available and there are no plans to do one.</li> <li>• Tall nut sedge survey results. Northeast Utilities will provide more information during the visit. No survey is available.</li> <li>• State agency information regarding sensitive/protected terrestrial habitat and species within a 5 mile radius This information will have to be obtained from the State Dept. of Environmental Protection</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). The text does not match the reference. There is not a lot of information on-site. Additional information will be provided</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>
	Onsite Contacts	Offsite Contacts

	<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>
Human Health and Radiological Waste Brian Colby	<b>Onsite Data Needs</b> <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>• 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 Need general clarification. Specifically , what systems are needed, for example, circulating water system, inside systems, subsystems inside the plant. Dominion wants to know why this information is being requested. Dominion state that if they know why you need this</li> </ul>	<b>Offsite Data Needs</b> <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>
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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 These are available in the FSAR. It may be helpful to use acrobat and check TOC.</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	<b>Onsite Data Needs</b>	<b>Offsite Data Needs</b>
	<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) Needs clarification are these feasibility studies, LPDES Permit. Provide more information about the 316b reports.</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>
	<b>Contacts</b>	<b>Contacts</b>
	<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. This information can be found in the FSAR in the Site Description section under meteorology.	
	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. This information may be available in the LPDES Permit, or past inspection reports. There are no notices of violation at this time. Dominion is not sure how to respond to this since they don't have any summaries of letters stating that there are no violations. They would like LANL to provide more information regarding what they want	

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