

FIFTEEN ROPE FERRY ROAD



WATERFORD, CT 06385-2886

August 21, 2003

Paul Eccard, First Selectman
15 Rope Ferry Road
Waterford, CT 06385

RE: Order Pursuant to Connecticut General Statutes 16-50 I.
Millstone Station


Dear Sirs:

At its meeting on August 18, 2003, the Planning & Zoning Commission voted to forward to the First Selectman, pursuant to Connecticut General Statutes 16-50 I, the attached order regarding the Independent Spent Fuel Storage Installation for Millstone Station.

If you have any questions, please do not hesitate to call this office.

Sincerely,

Edwin Maguire, Chairman
Planning & Zoning Commission

By: 
Thomas V. Wagner, AICP
Planning Director

MINUTES

Planning & Zoning Commission
Waterford Town Hall

August 18, 2003
7:00 PM

Members Present: E. Maguire, L. Levine, G. Blinderman, K. Krohn
Members Absent: G. Hughes
Alternates Present: T. Ward
Alternates Absent: R. Kossler, J. Auwood
Staff Present: T. Wagner, M. Wujtewicz, D. Choisy

ITEM #1 CALL TO ORDER/APPOINTMENT OF ALTERNATES

Chairman Maguire called the meeting to order at 7:10. T. Ward was appointed to sit for G. Hughes.

ITEM #2 APPROVAL OF MINUTES

MOTION: Motion made by G. Blinderman, seconded by K. Krohn to approval the minutes of the July 28, 2003 meeting with the following correction:
Page 6, paragraph 4: MOTION: Motion made by L. Levine, seconded by G. Blinderman to approve application #PZ2003-066 with the modification that the screening of the storage area be extended.

VOTE: 5-0

ITEM #3 RECEIPT OF APPLICATIONS

#PZ2003-072 – Request of Fountainview Care Center, applicant; Leonore Kallen, owner; CLA Engineers, Inc., agent for special permit and site plan approval to expand an existing structure at 90 Clark Lane, R-20 zone, in accordance with Sections 4.5, 22 and 23 of the Zoning Regulations and as shown on plans entitled "#88-90 Clark Lane, Waterford, Connecticut, Fountainview Care Center Site Plan" dated 7/24/03.

#PZ2003-095 – Request of White Willow, Inc., owner and applicant; J. Dempsey Associates, LLC, agent; for a 2-lot re-subdivision for property located at 528 Boston Post Road, R-20 zone, as shown on plans entitled "Proposed Subdivision at 528 Boston Post Road, Waterford, Connecticut, Prepared for White Willow, LLC" dated August 4, 2003.

#PZ2003-096 – Request of Sophia Giotis, owner and applicant; DW Gerwick Engineering, agent; for a 2-lot re-subdivision for property located at 138 Great Neck Road, R-40 zone, as shown on plans entitled "Property Survey, Resubdivision Map, 138 Great Neck Road, Owned by Sophia Giotis in a R-40 Zone District, Waterford, Connecticut" dated March 24, 2003, sheets 1 and 2.

T. Wagner stated that the above applications were in order for receipt, and would be scheduled for public hearings.

ITEM #4 APPLICATION REVIEWS

#PZ2003-063 – Independent Spent Fuel Storage Installation, Millstone Station.
(Connecticut General Statutes Sec. 16-50xd)

The Commission reviewed the draft order prepared by staff at the direction of the Commission.

MOTION: Motion made by L. Levine, seconded by G. Blinderman to forward the order pursuant to 16-50x(d) (Attachment A) to the first selectman pursuant to Connecticut General Statutes 16-50 I.

VOTE: 5-0

ITEM #5 ADMINISTRATIVE REVIEW

Waterford Commons PGD occupancy schedule.

Pursuant to CGS 8-24, the Commission accepted an application for temporary ownership of the Waterford Commons Waterline.

MOTION: Motion made by G. Blinderman, seconded by L. Levine to approve temporary ownership of the Waterford Commons Waterline, pursuant to Connecticut General Statutes 8-24.

VOTE: 5-0

Jon Meshel representing CBL & Associates updated the Commission on the certificate of occupancy schedule for Waterford Commons, and asked that the Commission allow Staff to issue the certificates of occupancy administratively.

T. Wagner stated that Staff is amenable to issuing the first certificates of occupancy, and have Mr. Meshel give the Commission an update on the remaining certificates of occupancy at the September 8, 2003 meeting.

MOTION: Motion made by G. Blinderman, seconded by L. Levine, to authorize Staff to issue certificates of occupancy for Waterford Commons pursuant to all necessary improvements being complete.

VOTE: 5-0

ITEM #6 CORRESPONDENCE

ITEM #7 ADJOURNMENT

MOTION: Motion made by L. Levine, seconded by G. Blinderman to adjourn the meeting at 7:40.

VOTE: 5-0

Respectfully Submitted:


Dawn Choisy
Planning & Zoning Commission

**Planning & Zoning Commission
August 18, 2003 Special Meeting Minutes
Attachment A**

**Order Pursuant to 16-50x(d)
The interim storage of spent nuclear fuel rods in dry cask storage containers
Millstone Station, Waterford, CT.**

FINDINGS:

- 1) On June 23, 2003 The Planning and Zoning Commission received the request of Dominion Resources of Connecticut to site an interim fuel storage facility pursuant to CGS 16-50x(d) at the Millstone Station in Waterford.
- 2) On August 5, 2003 The Planning and Zoning Commission attended a presentation of the proposal called by the First Selectman, pursuant to 16-50 l.
- 3) The facility proposed would accommodate 135 casks for the storage of spent nuclear fuel from units 1, 2 & 3. The first phase of the project will involve site regrading and preparation, installation of temporary and permanent stormwater drainage structures, and the construction of a concrete pad that can accommodate the installation of up to 20 horizontal storage modules. Included in phase one is the extension of the protected area fence around the area designated for the storage of 135 units.
- 4) The applicant's purpose for adding this interim storage capacity is to maintain the ability to off load all nuclear fuel from the reactor. This capability to off load unit 2 is lost in 2005, by which time 10 modules will be needed. An additional 8 units will be needed up to the point when the unit 2 operating license expires in 2015. One additional unfilled module is proposed bringing the number of modules in phase one to 19.
- 5) The facility is proposed to be located within an extension of the existing protected area, bounded by the access drive/switching yard to the north, access drive and railroad tracks to the east, the plant access gate to the south and the Transmission lines to the west. The area is currently used as a parking lot. East of the railroad tracks is a wooded area which contains a fresh water pond, uplands, rocky shorefront and a salt marsh.
- 6) Only spent fuel generated at the Millstone Station is proposed for storage.
- 7) The duration of material storage proposed is dependent on the completion of a national repository of sufficient capacity to handle the waste currently awaiting disposal as well as that which will be created during the continued operation of the plant under current licensing and potential future extensions.
- 8) Spent fuel is currently stored within spent fuel pools, which will continue to be needed for the continued operation of the plants and are not intended to be discontinued as a result of transferring waste to dry cask storage.
- 9) The applicant briefly described an alternative that involves re-racking the spent fuel pools to increase storage capacity including inter unit transfer of waste between spent fuel pools.
- 10) Spent nuclear waste generated by the Millstone Station is ultimately to be deposited in a Department of Energy Repository, which is currently designated by Congress and the President to be Yucca Mountain in Nevada. The date when this repository will start accepting waste as well as the timing of when Millstone's waste will be accepted is still undetermined.
- 11) The millstone site has not been approved for the long term storage of spent fuel nor is this type of storage considered a permissible use of this industrially zoned property.
- 12) The storage of the spent fuel is customary, incidental and subordinate to the principle use which is the generation of electricity. The establishment of a long term storage facility which could remain

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after plant decommissioning exceeds what is necessary for the continued operation of the plant and is not permitted under the Zoning Regulations of the Town of Waterford.

- 13) Management Guidelines: The Town of Waterford, acting through its Planning and Zoning Commission, pursuant to CGS 16-50X (d), has regulated and restricted the use of the 500 acre + Millstone Power Station site in accordance with a management plan date March 18 & 19, 1985 and codified in an order issued May 20, 1985 by said commission. (attached)
- a) The area within the security fence and defined as the protected area of the plant is to be used for those uses which require direct access to the plants. As a temporary storage facility requiring both security and close proximity to the units this use belongs within the protected area.
 - b) The proposal extends the existing protected area over an area already disturbed which is currently used for worker parking and power transmission. Loss of this parking area shall not result in opening any new parking lots or reclaiming lots which were discontinued over the last 20 years.
 - c) The location is close to the source of where the material is currently stored and therefore the transport distance is minimized.
 - d) The proposed increase in the protected area is larger than needed for this temporary use because of the inclusion of the area under the intervening power transmission lines, which for safety reasons is not an area suitable for assembling and working on the storage modules.
 - e) Duration of Storage and Source of Material: The Planning and Zoning Commission previously approved the siting of the high level, Low level radioactive waste storage building and restricted the use of this facility to waste generated on site and limited the duration of storage to 5 years or less for any one unit stored.

ORDER:

Pursuant to 16-50.1 the Planning and Zoning Commission recommends to the First Selectman that he notify Dominion Resources of Connecticut that the storage of spent nuclear fuel in dry casks be restricted. Pursuant to 16-50x(d) the Planning and Zoning Commission has through this order established the regulations and restrictions considered necessary to allow this temporary use to be sited at the Millstone Station. The proposal and extension of the protected area shall be reduced and restricted to that area required to accommodate phase one of the proposal, temporary dry cask storage of up to 18 modules (additionally 1 unfilled module), for the reason that this quantity has been determined to be necessary for the continued operation of unit 2 through its current license period and is considered acceptable subject to the following restrictions:

- 1) The designated and accepted location for the storage of spent fuel is the existing spent fuel pools. The permanent storage facility is not on this site.
- 2) The need for temporary storage will maintain capability of full reactor off load into the spent fuel pool for unit 2.
- 3) Temporary dry cask storage will be removed from the site prior to or as part of the plant decommissioning.
- 4) Temporary dry cask storage is not needed to accommodate spent fuel from Unit 1 or 3.
- 5) Temporary dry cask storage will be restricted to waste generated on site.
- 6) This temporary use will not preclude the future use of the facility for business, water dependent or industrial use(s) as permitted in the Zoning Regulations of the Town of Waterford.

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- 7) No other physical improvements or outdoor use of land will be required to move the dry cask units onto the site. Any such improvements subsequently identified shall be submitted for commission review.
- 8) As has been customary when regulating waste storage on this site, the commission requires a written report at intervals of not less than 5 years on the status of construction, module installation, continued need, changes in plans for off site disposal and other information that would keep the commission informed on changes impacting the duration of storage.
- 9) Incorporated by reference is a letter dated August 15, 2003 from the Waterford Conservation Commission to Paul B. Eccard, First Selectman and the application material filed with the Planning and Zoning Commission.

RESERVATION: The Planning and Zoning Commission pursuant to CGS 16-50 x (d) reserves the right to review for consistency with this order the actual application submitted to the Connecticut Siting Council, by Dominion Resources of Connecticut, for the storage of spent nuclear fuel at the Millstone Station in Waterford. A copy of the application and associated materials filed with the Siting Council shall be delivered to the Planning and Zoning Commission.

Date: May 20, 1985

ORDER PURSUANT TO SECTION 16-50 X (d)
OF THE CONNECTICUT GENERAL STATUTES
AND COASTAL AREA MANAGEMENT
FINDINGS FOR UNIT #3 CLOSEOUT
MILLSTONE POINT
WATERFORD, CT. 06385

1. On March 5, 1984 the Waterford Planning and Zoning Commission issued an order pursuant to CGS 16-50 X (d) to approve the location of 16 temporary structures at the Millstone Nuclear Power Generating Station. Said order was subject to the following conditions:
 - A. The duration of location approval, of these structures shall be for a period of two (2) years, on or before the expiration date Northeast Utilities shall submit for Commission review a close-out plan detailing a schedule of removal of the temporary structures and outdoor uses of land. Said plan shall clearly set forth the use to which the facility and surrounding land shall be put upon the completion of construction on Unit #3. The Commission shall determine upon receipt of a preliminary application on or before the expiration date of this order the extent of the application information required. Reference: Condition D, 3/5/84.
 - B. Northeast Utilities shall within six months submit to the Commission a detailed site plan of the entire facility and property delineating all permanent and temporary structures, outdoor uses of land, coastal resources, inland wetlands, rail lines, roads, and other facilities at such scale and form as renders the plan and inter-relationship of uses in a legible manner. Said plan shall be used for determining future locations for permanent and temporary structures. In addition, it will be used to determine when a proposed structure or use is exempt from CSPR. NEUSCO may submit additional information based on the POD and MCP which delineate these locations and uses subject to Coastal Site Plan Review. Reference: Condition E, 3/5/84.
2. On March 25, 1985 the Planning & Zoning Commission received the closeout plan, temporary structures plan, landscaping plan and narrative description of plans in accordance with the conditions of the 3/5/84 order. On April 22, 1985 said plans were presented to the Commission by a representative of Northeast Utilities Service Company.
3. The Millstone Point Nuclear Power Generating facility is identified as a facility of national significance in that it is designated as necessary to provide for future energy needs of the State of Connecticut. As such it is given special consideration under the Connecticut General Statutes 16-50 as a public utility under the jurisdiction of the DPUC and CT. siting council. In addition, it is defined as a water dependent use under the CCMA.
4. The Millstone Point property contains approximately 500 acres and is bordered on the east by Gardiners Wood Road, south by Long Island Sound, west by Niantic Bay and north by Route 156. The site contains a significant amount of Coastal resources both on site and in the immediately adjacent coastal waters as depicted on the plans submitted.

Date: May 20, 1985

5. The completion of construction of Unit #3 will facilitate the reduction in the need for temporary structures and outdoor uses of land. In addition this will provide for the reduction in disturbed areas, and the landscaping of areas to be removed from active use.
6. The operation of this facility is such that there will be a need during unit shutdowns to bring in construction equipment, contractors office trailers, storage facilities and appurtenant items which are to be located as shown on the plan submitted.
7. There are presently 21 temporary structures located around the generating facility for which location approval has been granted. These structures are due to be phased out beginning in August of 1985. The conversion or relocation of any temporary structure to permanent status are subject to location approval by the Planning & Zoning Commission.
8. The following management guidelines were submitted as part of this review and provide a set of general location criteria to be used in examining future requests for location approval:

A. Protection of Coastal Resources

Priority will be given to protection (i.e. minimize intrusion) of the following:

- . tidal and inland wetlands
- . 100-year flood zone
- . existing natural shoreline and estuarine resources

In addition, a forty-foot wide buffer will be maintained along the property line, and the existing ballfields will continue to be available as long as possible.

B. Land Use Priorities

- . priority will be given to energy-related uses. These are uses and facilities under the primary jurisdiction of the Connecticut DPUC, and the Connecticut Siting Council under the Public Utility Environmental Standards Act, or the U.S.N.R.C., and which are related to the production, transmission, distribution, or storage of (electrical) energy, or are associated with such functions.
- . north of the tracks, priority will be given to energy-related uses that do not require direct access to the water or the plant.
- . south of the railroad tracks, priority will be given to facilities or uses that are water dependent, or that require direct access to the plant. These uses include temporary storage of materials and equipment needed during outages.

Date: May 20, 1985

- . the 100-year flood zone will be limited principally to uses that warrant immediacy or direct access to the water.

ORDER

1. Based on its review and consideration of the closeout plan submitted, management guidelines, the type and size of the facility, the compatibility of the use with the surrounding environment including coastal and natural resources, and consistency with the Zoning Regulations, Land Use Plan and Municipal Coastal Program, the Waterford Planning & Zoning Commission hereby accepts the close-out plan and establishes the following criteria for review of future locations for temporary, permanent structures and outdoor uses of land.
 - A. Location approval is hereby granted for the location of storage areas, storage trailers, construction equipment and contractor field offices for use during outages and other construction in the areas entitled "Outage Mobile Unit Work Area" as shown on plans submitted. Additional temporary outdoor storage and appurtenant items may be permitted based on the following criteria:
 1. When in conjunction with the installation of a permanent or temporary structure which has been issued location approval by the Waterford Planning & Zoning Commission.
 2. Such area is within the developed portion of the site, above 14 MSL, and does not encroach on any Coastal Resources, may be used with the approval of the Zoning Enforcement Officer with written review response from the Fire Marshal and Police Chief relative to access for emergency vehicles.
 - B. Future temporary structure requests or requests for extensions of approved temporary structure locations shall be accompanied by a statement of need for the facility, the duration of use and reasoning as to why a permanent facility is not necessitated. Location approval for temporary structures within the developed area of the plant above MSL 14 shall be considered exempt from Coastal Site Plan Review in accordance with Section 25.4.2a (2) as long as such structure is consistent with the Management Guidelines previously included herein.
 - C. The conversion of temporary structures to permanent status shall require the granting of location approval by the Waterford Planning & Zoning Commission. Such conversion request shall be accompanied by a statement of use, consistency determination with the management guidelines or justification for deviation therefrom and a description of improvements to be made to render the structure consistent with the architectural style of the generating facility. The conversion of said structure shall also comply with the requirements of the Fire Marshal, Building Inspector and Director of Health. Such conversions shall be exempt from Coastal Site Plan Review in accordance with Section 25.4.2a (8) as long as such conversion is consistent with the Management Guidelines included herein.

Date: May 20, 1985

- D. The location of new permanent structures shall be done in accordance with the Management Guidelines and subject to Coastal Site Plan Review for areas within the Coastal Boundary. The location approval request shall specify use, need, consistency with Management Guidelines and justification for deviation therefrom, in addition to standard application submissions.
 - E. The criteria listed in 1 A-D shall also apply to all outdoor uses of land and the expansion, relocation or change in use thereof.
2. In recognition of the transition of this facility from construction to operation, the landscape plan and closeout of certain outdoor uses of land is accepted subject to the following conditions and recommendations:
- A. The reduction of parking areas and other outdoor uses of land shall occur from an identified coastal resource area inland to provide for the optimum buffering and protection of the resource area.
 - B. Where feasible areas to remain in active outdoor use shall be landscaped to break up large expanses of developed area and maintained in good repair so as not to present an unsightly appearance as viewed from the water. Parking areas reduced should be landscaped and include dustless surfaces, but not necessarily bituminous concrete as long as an adequate material is used and the lot is graded to drain in a manner which does not result in excessive siltation or erosion onto adjacent areas.
 - C. It is recommended that NEUSCo. consider the potential public use of significant Coastal Resource areas along Niantic Bay to Bay Point. The Planning & Zoning Commission would welcome an opportunity to discuss the possibilities of such use in the future as Unit #3 becomes operational.
 - D. NUSCo shall periodically report on its progress towards completion of the close-out plan. In addition, the Commission may require status reports be submitted in conjunction with location approval requests.
3. In order to provide for the proper provision of emergency services, proper drainage, and compliance with State Building & Health Codes, the following additional plans and information shall be provided to the parties specified.
- A. A drainage plan showing watersheds, including area, soil types, approximate slope, impervious surfaces, drainage improvements and discharge locations shall be provided to the Public Works Director. The Director shall be contacted for purposes of determining additional information needed to be put on the plan or provided in terms of written engineering analysis. All drainage installations shall be approved by the Public Works Director and the Conservation Commission shall grant location approval of such drainage impacts or discharges into an inland wetland.

Date: May 20, 1985

- B. The Fire Marshal shall be provided with a copy of the 1"=200' plan designating the title of the structure and use thereof for purposes of emergency vehicle access and location. In addition, this information shall be used to evaluate proximal uses with respect to potential fire control. The Fire Marshal shall be consulted for a detailed listing of information needed.

The basis for this order and findings contained herein shall be in accordance with the Plans of Record and submissions as follows:

1. Order Pursuant to Section 16-50 X (d) dated March 1, 1984.
2. The Millstone Point Site, Waterford, Ct. Scale 1"=200' dated March 1985 (2 sheets)
3. The Millstone Point Site, Waterford, Ct. closeout plan for temporary structures
4. Management Guidelines and supplemental information
5. Comments from Town Boards & Agencies
6. Letter from Mr. W. G. Council, Senior Vice President of NUSCo. to Planning & Zoning dated 3/19/85.

NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
MOLYBDE WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

General Offices • Selden Street, Berlin, Connecticut

P.O. BOX 270
HARTFORD, CONNECTICUT 06141-0270
(203) 665-5000

March 19, 1985

D00849

Planning & Zoning Commission
Town Hall
Waterford, Connecticut 06385

Dear Commission Members:

Millstone Nuclear Power Station Final Site Plan

As you requested, enclosed is a site plan of the Millstone property, related land management guidelines for the projected uses of the property in 1986 and beyond, a map of all temporary structures, and a landscape plan.

The site plan delineates all permanent structures, outdoor uses of land, coastal resources, inland wetlands, rail lines, roads, and other facilities as accurately as we can reasonably anticipate.

Only permanent structures anticipated to be completed by 1986 are shown on the plan. Approximately half of the existing temporary structures are expected to be removed by 1987. Our objective is to remove all temporary structures by 1989, as our space needs are refined. If it becomes necessary for any of these buildings to remain past their permit expiration dates, timely applications for extensions or location approvals will be made to the Commission.

To assist in determining future locations for permanent and temporary structures, we have also included basic land management guidelines. Supplemental information also accompanies the plan.

Unforeseeable operating and regulatory requirements may require changes in the plans but any new facilities will, to the extent practical, be kept within the development guidelines.

The landscape plan will be implemented in phases when construction of Unit 3 is completed. The plan addresses erosion and sedimentation control as well as aesthetics.

We have worked closely with your staff in developing the guidelines to ensure they are consistent with Waterford's Coastal Management Program and its Plan of Development. Uses outside the coastal zone or uses which have no impact on coastal resources would be exempt from Coastal Site Plan Review.

The guidelines are also consistent with the State Plan of Conservation and Development, in which Millstone is designated an energy facility. The guidelines are also consistent with the designation of Millstone as a water-dependent national interest facility under the Federal and State Coastal Area Management Acts.

Our representatives will be pleased to be present when you wish to review and discuss the plan and guidelines. If you have any questions, please call Mr. Donald D. Biondi, Senior Land Planner, NUSCO Real Estate at (203) 634-5716.

Very truly yours,

NORTHEAST UTILITIES SERVICE COMPANY
As Agent For Northeast Nuclear Energy Company



W. G. Council
Senior Vice President

Millstone Point Property Management Guidelines

Protection of Coastal Resources

Priority will be given to protection (i.e. minimize intrusion) of the following:

- . tidal and inland wetlands
- . 100-year flood zone
- . existing natural shorefront and estuarine resources

In addition, a forty-foot wide buffer will be maintained along the property line, and the existing ballfields will continue to be available as long as possible.

Land Use Priorities

- . priority will be given to energy-related uses. These are uses and facilities under the primary jurisdiction of the Connecticut DPUC, and the Connecticut Siting Council under the Public Utility Environmental Standards Act, or the U.S.N.R.C., and which are related to the production, transmission, distribution, or storage of (electrical) energy, or are associated with such functions.
- . north of the tracks, priority will be given to energy-related uses that do not require direct access to the water or the plant.
- . south of the railroad tracks, priority will be given to facilities or uses that are water dependent, or that require direct access to the plant. These uses include temporary storage of materials and equipment needed during outages.
- . the 100-year flood zone will be limited principally to uses that warrant immediacy or direct access to the water.

March 18, 1985

Sheet 1

Supplemental Information

- . The Millstone property consists of about 500 acres.
- . Most of the development is south of the RR tracks.
- . Development north of the RR tracks consists of the three-building training complex, including the Emergency Operations Facility.
- . There are no plans at present for any further development north of the tracks.
- . Any further development south of the tracks is anticipated to consist mainly of facilities to support construction of Unit 3 and operation of the plant.
- . The municipal sanitary sewer system has been designed to accommodate any further development of the property, and most facilities will eventually be connected to the system.
- . Potable water is supplied by the municipal system, and wells on the property serve as backup. Both supplies are capable of supplying the needs of the plant, including any future development.
- . The plant area has a separate storm drainage system in compliance with U.S. EPA, NRC, and Connecticut DEP regulations, and is independent of the municipal system.
- . Storm drainage control of other facilities will be in accordance with Waterford Department of Public Works standards.

- . At the peak of construction, about 5000 employees and construction personnel were on-site. An additional 1000 workers were added during outages which last from 3 to 5 months, and these outage levels will continue with future planned outages.
- . After completion of Unit 3, about 1500 employees will be on-site, decreasing parking and traffic proportionally.

FIFTEEN ROPE FERRY ROAD



WATERFORD, CT 06385-2886

Date: August 15, 2003

To: Paul B. Eccard – First Selectman

From: Waterford Conservation Commission

RE: Proposed Independent Spent Fuel Storage Installation
Millstone Power Station

Dear Mr. Eccard:

Subsequent to the presentation by Dominion Nuclear Connecticut on August 5, 2003 to the Planning & Zoning Commission and the Conservation Commission, the following comments have been prepared by the Conservation Commission for your consideration.

As Dominion proceeds with its intent to seek the approval of the Connecticut Siting Council for an Independent Spent Fuel Storage Installation (ISFSI) at the Millstone Power Station, the Waterford Conservation Commission requests that the following terms and conditions be presented to the Siting Council for consideration in regulating and restricting the installation for the protection of inland wetland, watercourses and groundwater quality.

The construction and installation of the HSM dry cask storage modules at the Millstone site should be minimized in number and area to the minimum number required to meet Dominion Nuclear Connecticut's intent to maintain full core off-load capacity of Unit Two for the interim period until the anticipated operational date of the federal repository at Yucca Mountain in 2010. Dominion Nuclear Connecticut has stated that 10 modules will be required by 2005 scheduled re-fueling, and a total of 19 modules required by 2013. The Commission should be included in the permit review process for any subsequent request for expansion of nuclear waste storage at the Millstone Power Station.

Dominion Nuclear Connecticut needs to present to the Town of Waterford and the Connecticut Siting Council a good faith and detailed examination of alternatives to the current storage proposal that were considered and rejected. This presentation of alternatives should include a summary of the financial options analysis conducted by Dominion on each of the alternatives. It is anticipated that this presentation will assist the Town and the Siting Council to better understand what number, if any of the HSM dry cask storage modules, would constitute the minimum necessary.

The size of the concrete pad and expanded security area should be restricted to that area necessary to store 10 modules by 2005 and 19 total modules by 2013. Phasing the construction of the storage area to match the anticipated needs of the generating facility reduces the amount and extent of soils disturbance and alteration of surface run-off patterns, reducing the potential for direct and indirect construction impacts to the adjacent wetland and watercourse resources.

The location of the HSM modules on the selected ISFSI site should be restricted to the western edge of the proposed pad proximal to the existing structure and the existing perimeter security fence. This location increases the distance from the adjacent inland wetlands and watercourse areas and reduces the potential for direct and indirect impacts to the wetlands and watercourse during construction and installation of the modules, and during the inspection and maintenance of the modules.

The spent fuel material to be stored in the ISFSI location should be restricted to that material generated at the Millstone Unit Two. In addition, the material stored in the HSM modules should be restricted to that material from Unit Two currently identified for acceptance at the federal repository and consistent with the acceptance priority ranking prepared by the US Department of Energy. This restriction will avoid prolonged dry cask storage at the Millstone generating facility and minimize the potential long-term impacts to sensitive environmental resources on and adjacent to the site.

A groundwater and surface water monitoring plan should be prepared and implemented on an annual basis to quantify the existing conditions of surface and groundwater resources in the vicinity of the proposed installation and monitor these resources for any potential impacts from the proposed ISFSI. Parameters to be monitored should include radionuclides and volatile organic compounds (VOCs). Results of the monitoring should be submitted to the Town of Waterford for review.

Additional information regarding the proposed monitoring of the ISFSI should be presented to the Town for review and comments. Information regarding the proposed parameters to be tested, testing methods, frequency of monitoring, acceptable limits and tolerances and threshold detection levels that would require corrective action and response is requested has not been presented. The monitoring plan and the results of the monitoring should be submitted to the Town of Waterford for review.

Detailed information regarding the proposed method of delivery of the HSM modules to the site and any structural improvements required to maintain shoreline stabilization, control soil erosion and protect the quality of adjacent wetlands and watercourse areas should be submitted to the land use agencies of the Town of Waterford for review. The proposed method of delivery has been mentioned to be by barge. The location of the dock, access ramp, and transportation route within the coastal boundary area to the ISFSI has not been submitted for review.

Sincerely;



for Members of the Waterford Conservation Commission

MEF

8/15/03