

Visual Impact Assessment

Introduction

Dominion Nuclear Connecticut, Inc. ("DNC") has conducted a visual impact assessment for its proposed ISFSI project. Millstone Power Station and the proposed ISFSI site are located in the southern-most portion of DNC's 520-acre parcel south of Rope Ferry Road (Connecticut Route 156) and east of Niantic Bay, in the southwest portion of the Town of Waterford. The ISFSI site is proposed to be located in an area known as the South Access Point ("SAP") parking lot, east of and adjacent to the existing power generating facility and the 49.3 acre area encompassed by physical barriers and to which access is controlled, known as the Protected Area. The existing Protected Area would be expanded to include the ISFSI area. The Protected Area is surrounded on three sides by water, including Niantic Bay to the west, the Long Island Sound to the south and Jordan Cove to the east. To the north of the Protected Area is the remaining portion of the Millstone property. The closest residential area is located approximately 1,700 feet northeast of the proposed ISFSI site. Approximately 1,500 feet north of the proposed ISFSI location, within the Millstone property, is an existing Amtrak rail line.

The Millstone ISFSI will consist of a series of concrete box-like Horizontal Storage Modules ("HSMs") located to the east of the existing generating facility and west of the existing access road. The Millstone ISFSI has been designed to accommodate a total of 135 HSMs in order to meet projected operational needs at Millstone through 2045.¹ In the first phase of the ISFSI project, DNC intends to construct a concrete pad to accommodate the installation of 19 HSMs along the easterly side of the ISFSI area. (Attachment 5, Dwg.-2). These HSMs would be used initially to satisfy DNC's spent fuel storage needs through the year 2013. The HSMs will be 20'-7" tall (18' 6" high with a 2' 1" high vent) and will be placed on a concrete pad at an elevation of approximately 21 feet above mean sea level.

This Visual Impact Assessment focuses on the potential visual impact on those residential areas closest to the Millstone Power Station; passengers on trains using the Amtrak rail line right-of-way; and members of the public using Niantic Bay, Long Island Sound and Jordan Cove for boating and recreation purposes.

Methodology

On December 18, 2002 and January 30, 2003, DNC consultants took a series of photographs from fourteen different locations surrounding Millstone Point and the proposed ISFSI. (See attached Key Map). Photographs 1 through 11 were taken from the perspective of a recreational boater at various locations around Millstone Point, looking toward the proposed ISFSI. Photograph No. 12 was taken near a residence, which is over 2,700 feet northwest of the ISFSI. Photograph No. 13 was taken from the Amtrak rail line approximately 1,500 feet north of

¹ The 135 HSMs would satisfy DNC's operational needs for spent fuel storage through the end of the Millstone Units 2 and 3 license periods, including anticipated license extensions, as well as storage of spent fuel from the shutdown Millstone Unit 1.

the ISFSI. Photograph No. 14 was taken from the Jordan Cove neighborhood, approximately 1,700 feet northeast of the proposed ISFSI.

Visual Assessment

As indicated in the attached photographs, the proposed ISFSI would not be visible from locations to the south and west of Millstone Point. (Photograph Nos. 5 through 11). Views of the ISFSI from these locations are obstructed by topography, mature trees and/or the existing Millstone generating facility. The view from the residence in the northwesterly direction would be obscured by mature trees and other vegetation and the existing plant. (See Photograph No. 12).

The HSMs may be visible through the trees, in the winter months, from the Jordan Cove area with the Millstone Power Station in the background. Existing mature trees and other vegetation, however, obscures the line of sight from the waterfront. (See Photograph Nos. 1, 2, 3 and 4). The box on the photographs illustrates the location and size of the HSMs. Since the ISFSI will be constructed in an area previously cleared, there will be no reduction in the amount of existing vegetation and trees shown in the photographs.

The proposed ISFSI would be located approximately 1,500 feet south of the Amtrak rail line. The only line of sight view from the railroad right-of-way to the ISFSI is along the rail spur corridor. Otherwise views from the railroad line are obscured by mature trees in the area and changes in site topography. (See Photograph No. 13).

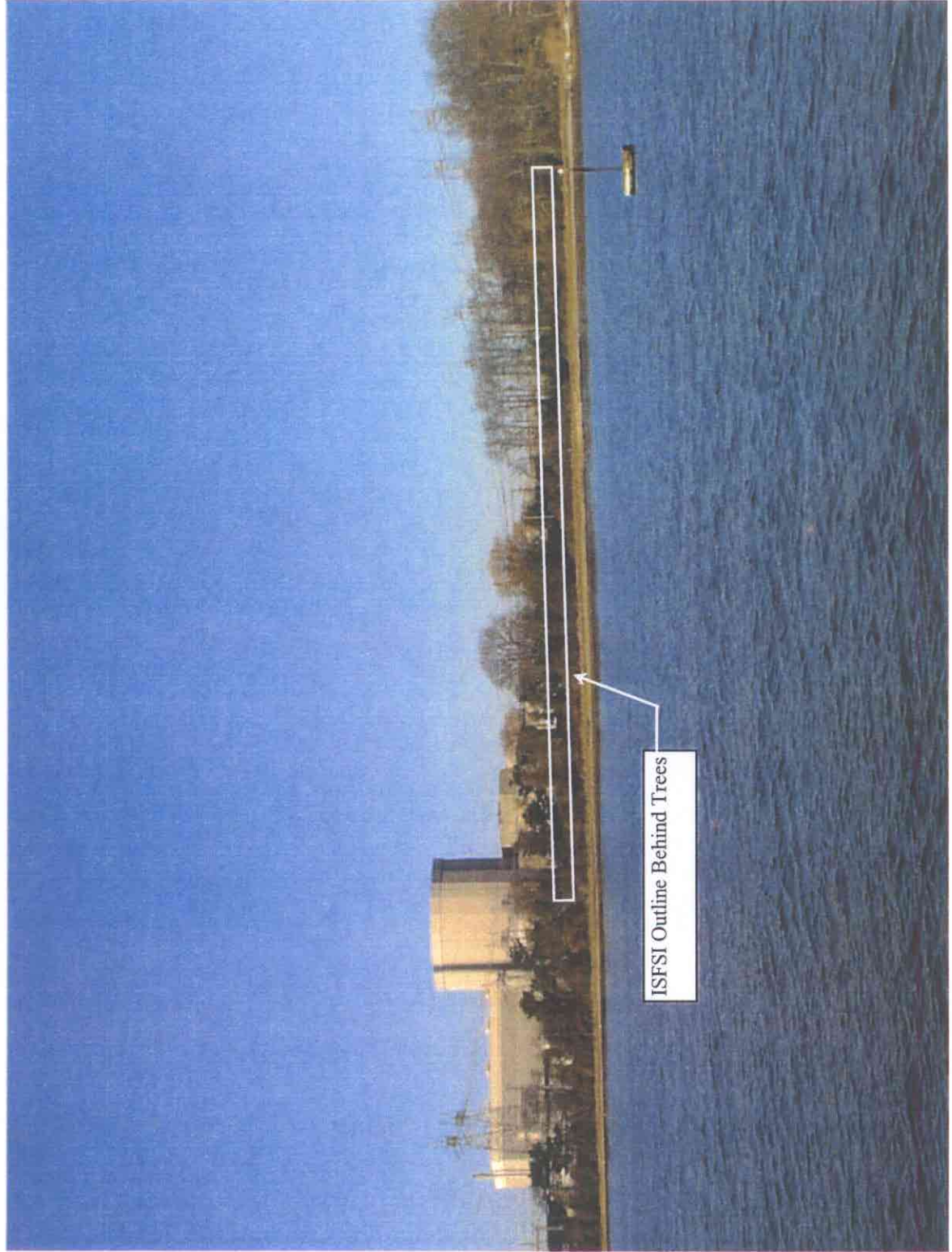
The ISFSI will not be visible from the nearest residential area located to the northeast, off Jordan Cove. (See Photograph No. 14).

Overall, the visual impact of the proposed ISFSI, on surrounding publicly accessible areas, would be negligible.

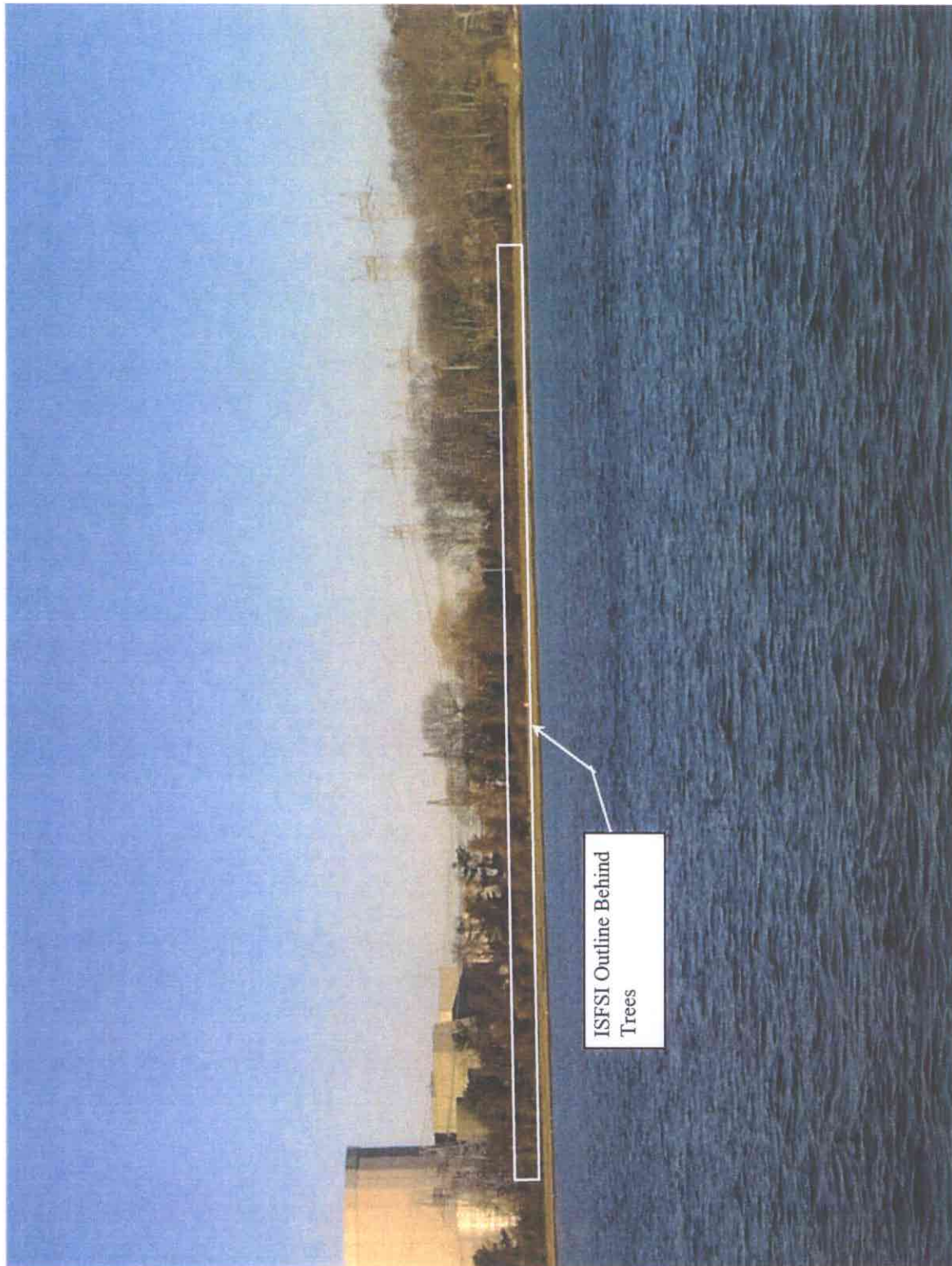
VISUAL IMPACT ASSESSMENT PICTURE LOCATIONS



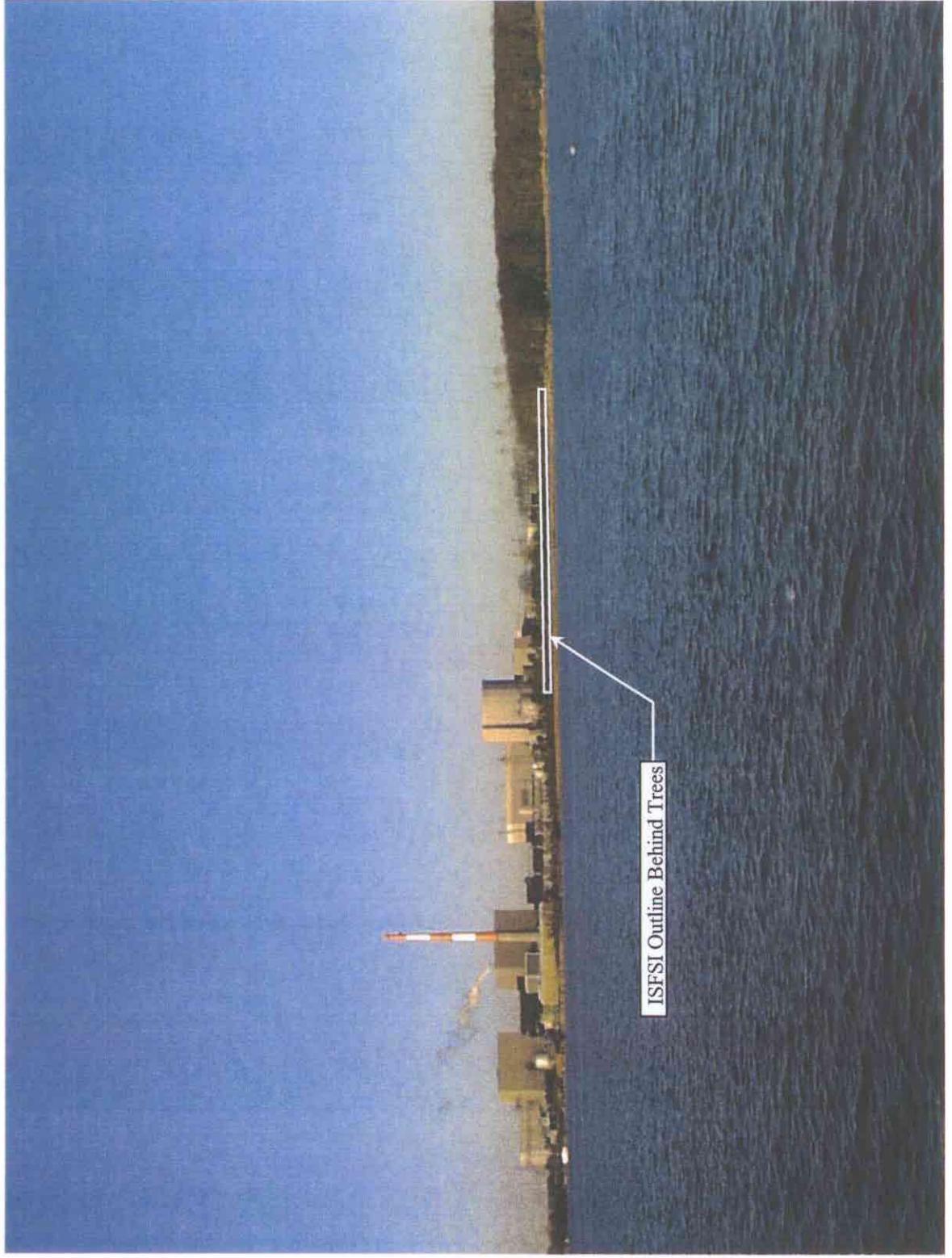
LOCATION NUMBER 1



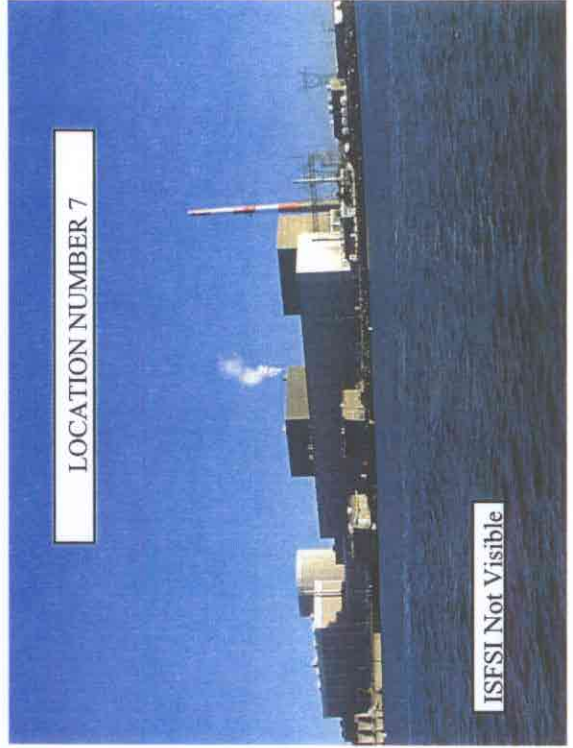
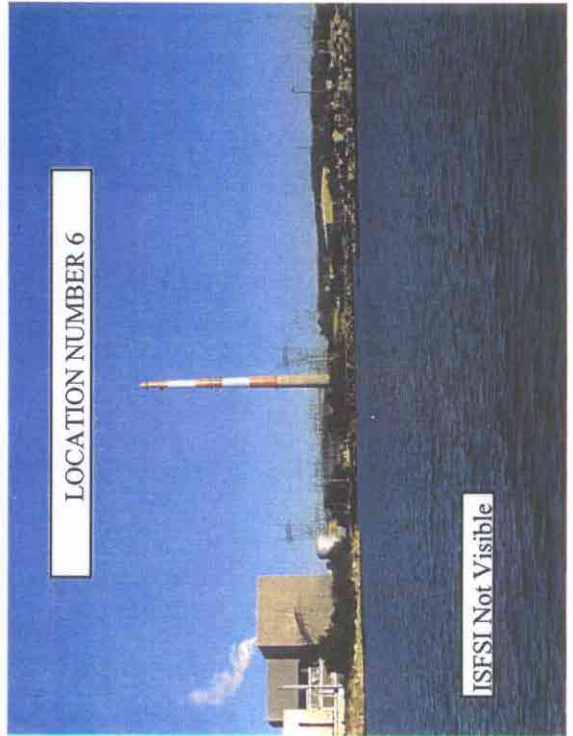
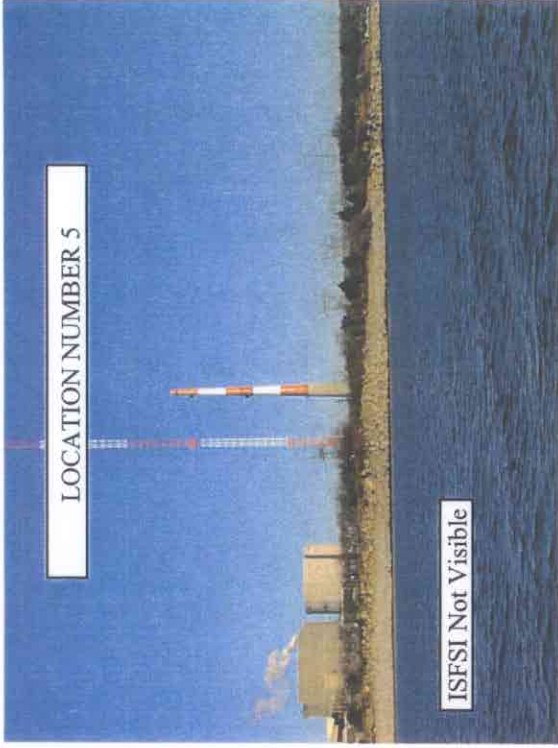
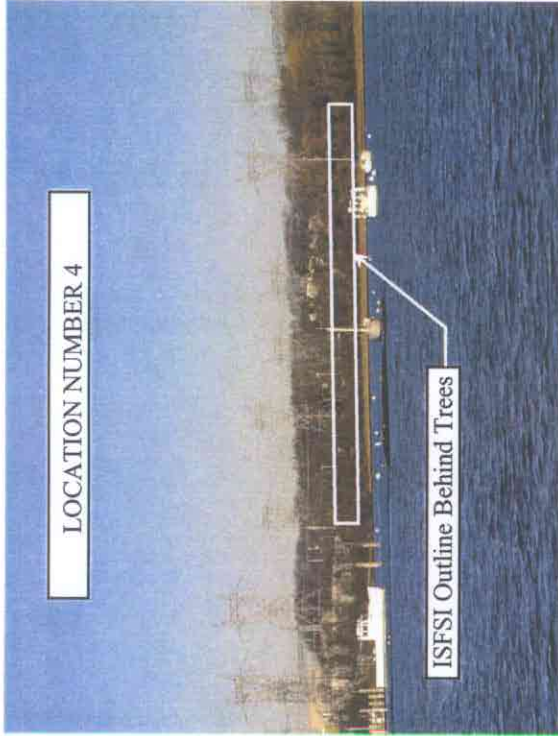
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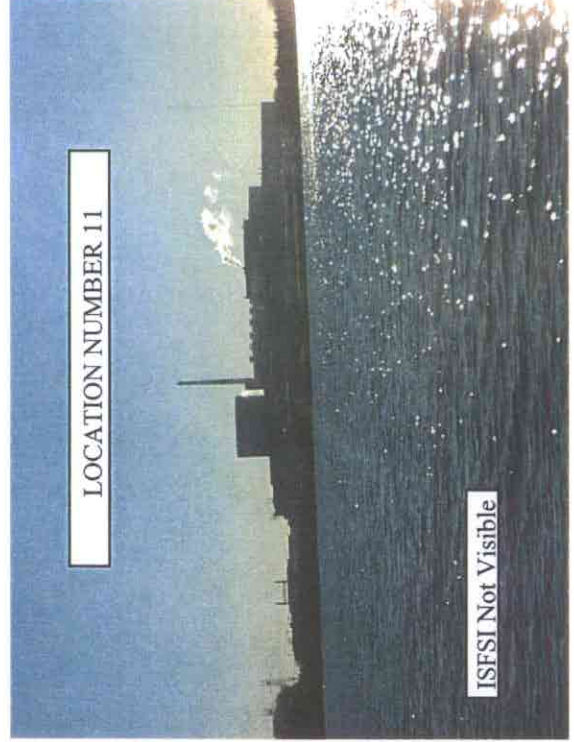
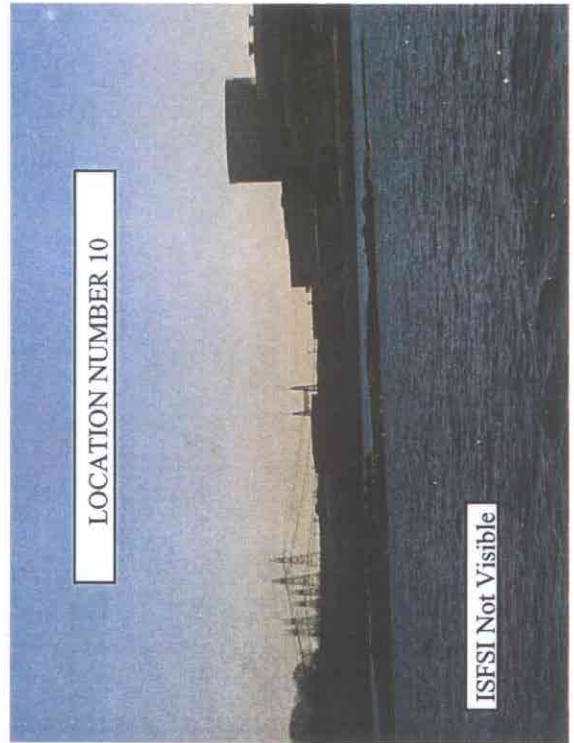
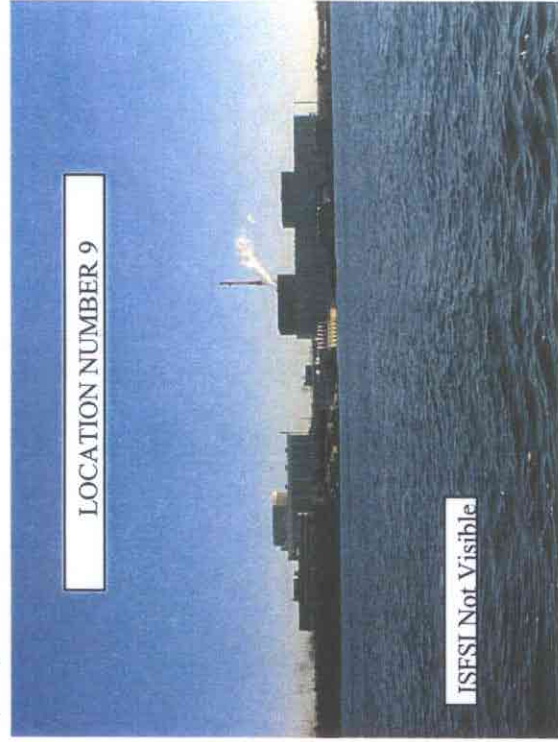
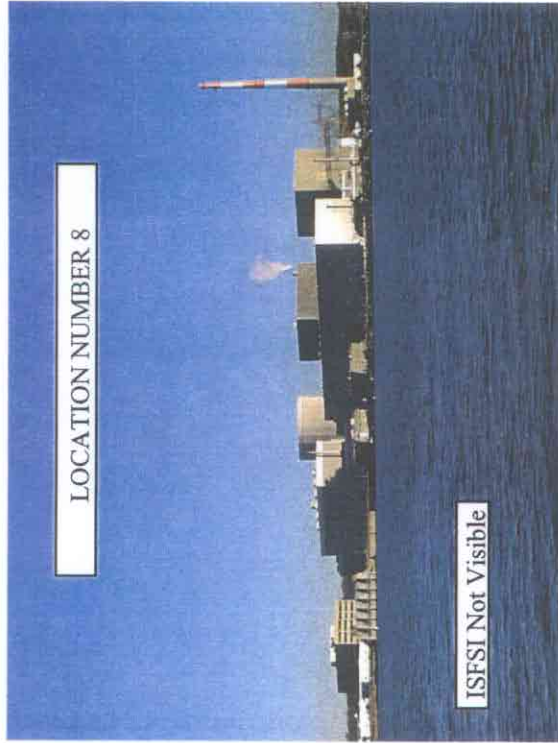
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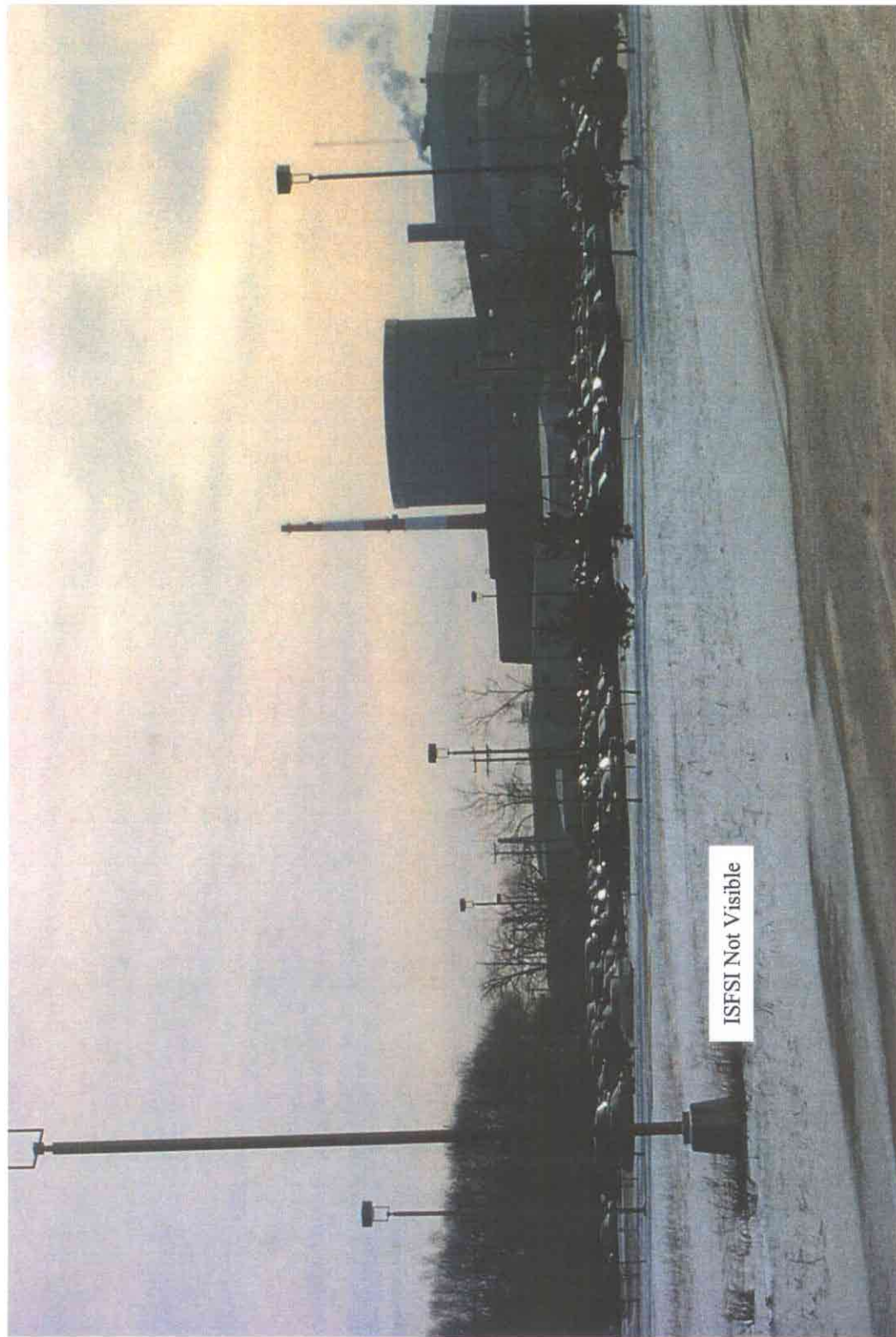
LOCATIONS 4, 5, 6 and 7



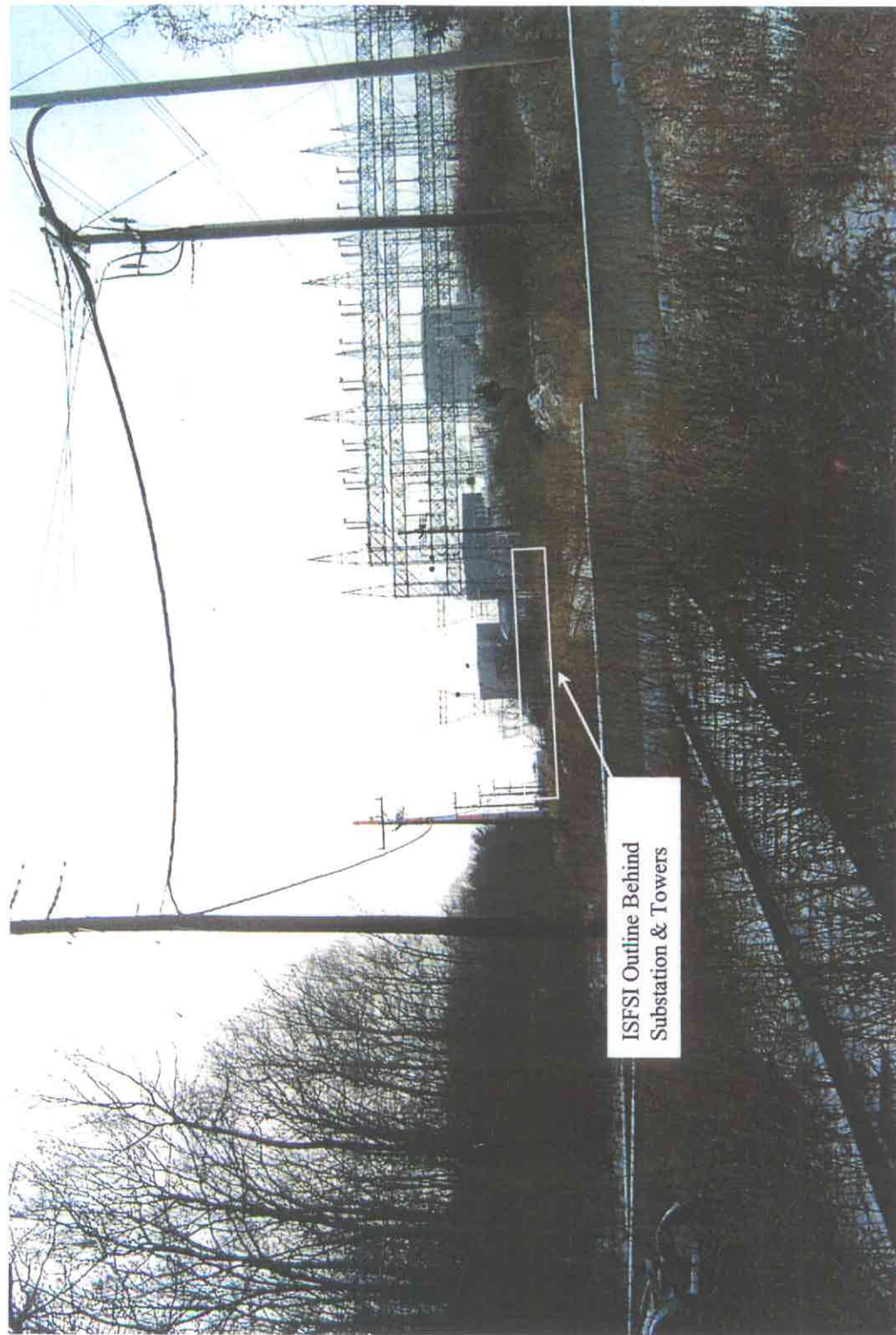
LOCATIONS 8, 9, 10 and 11



LOCATION NUMBER 12



LOCATION NUMBER 13



ISFSI Outline Behind
Substation & Towers

LOCATION NUMBER 14

