

**05-0059**

SDMS 287749

Corporate Environmental Programs
General Electric Company
100 Woodlawn Avenue, Pittsfield, MA 01201

January 8, 1999

Mr. Dean Tagliaferro
Site Evaluation and Response Section
U.S. Environmental Protection Agency
One Congress Street
Boston, MA 02203-2211

Ms. J. Lyn Cutler
Section Chief, Special Projects
Bureau of Waste Site Cleanup
Department of Environmental Protection
Springfield, MA 01103

**Re: General Electric Pittsfield - Newell Street Area II Site
DEP Site No. 1-1057/USEPA Area 5B**

Dear Mr. Tagliaferro and Ms. Cutler:

In response to a December 15, 1998 correspondence from the USEPA, pumping tests have been carried out on several wells that contain DNAPL at the Newell Street Area II site. The wells subject to pumping, N2SC-1I, N2SC-2, N2SC-3S and N2SC-3I are shown on the attached figure.

Well N2SC-1I contained approximately five feet of DNAPL at a depth of 35-45 feet and was pumped for approximately six hours on December 18, 1998. During this time period, 65 gallons of DNAPL were recovered, and the DNAPL thickness in the well decreased by .35 feet. Well N2SC-3S contained approximately .1 foot of DNAPL at a depth of 21 feet and was pumped/monitored over a five hour time period on January 6, 1999. After an initial removal volume of .1 liter, no additional DNAPL could be recovered from the well. Wells N2SC-2 and 3I were pumped for six to seven hours on December 21 and 28, 1998 respectively. The recovery in these wells was variable and is summarized in the attached tables and graphs.

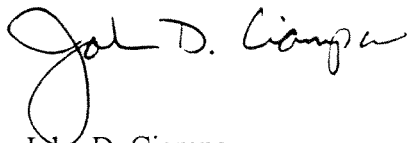
Based on the results of these pumping tests and the attached preliminary till contour map, it appears that an automated DNAPL recovery system may be warranted in well N2SC-1I. This well recovered significantly more DNAPL than the surrounding wells and is located within a depression of the till confining layer. The well will be equipped with a downhole pump and a timing device to control operation. A small building with a holding tank and secondary containment capability will have to be constructed/placed near the well. After automated pumping begins in N2SC-1I, the surrounding monitoring wells (N2SC-2 and 3I) will be monitored to evaluate the extent to which pumping influences DNAPL levels. If pumping in N2SC-1I does not appear to influence the DNAPL levels in these monitoring wells, GE will evaluate the need for installation of automated recovery pumps in wells N2SC-2 and 3I.

Mr. Tagliaferro and Ms. Cutler
January 8, 1999
Page 2

To further evaluate the potential recovery volumes in this area and determine the size of a holding tank which may be necessary, GE proposes to pump DNAPL from existing well N2SC-1I for approximately one hour per weekday over a two-week time period. Following this, an additional one-day pump test will be conducted. The results of this additional testing will be submitted to the agencies with the overall source control evaluation report (scheduled for the first week of February). A recommendation will also be included regarding the location and size of a DNAPL storage tank and associated building. In the interim, GE will continue the daily DNAPL monitoring/removal in wells N2SC-2, 3I, 3S and NS-15, 30 and 32.

Please call me at 413-494-3952 if you have any questions about this information. I will contact you next week to discuss approval for the start of further pumping evaluation of N2SC-1I.

Yours truly,



John D. Ciampa
Remediation Project Manager

cc: R. Bell, DEP*
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State Senator A.F. Nuciforo
A.J. Thomas, Esquire, GE*
Pittsfield Health Department*
Housatonic River Initiative
Public Information Repositories ECL I-P-IV(A)(1) & (2)*

*w/enclosure

TABLE 1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

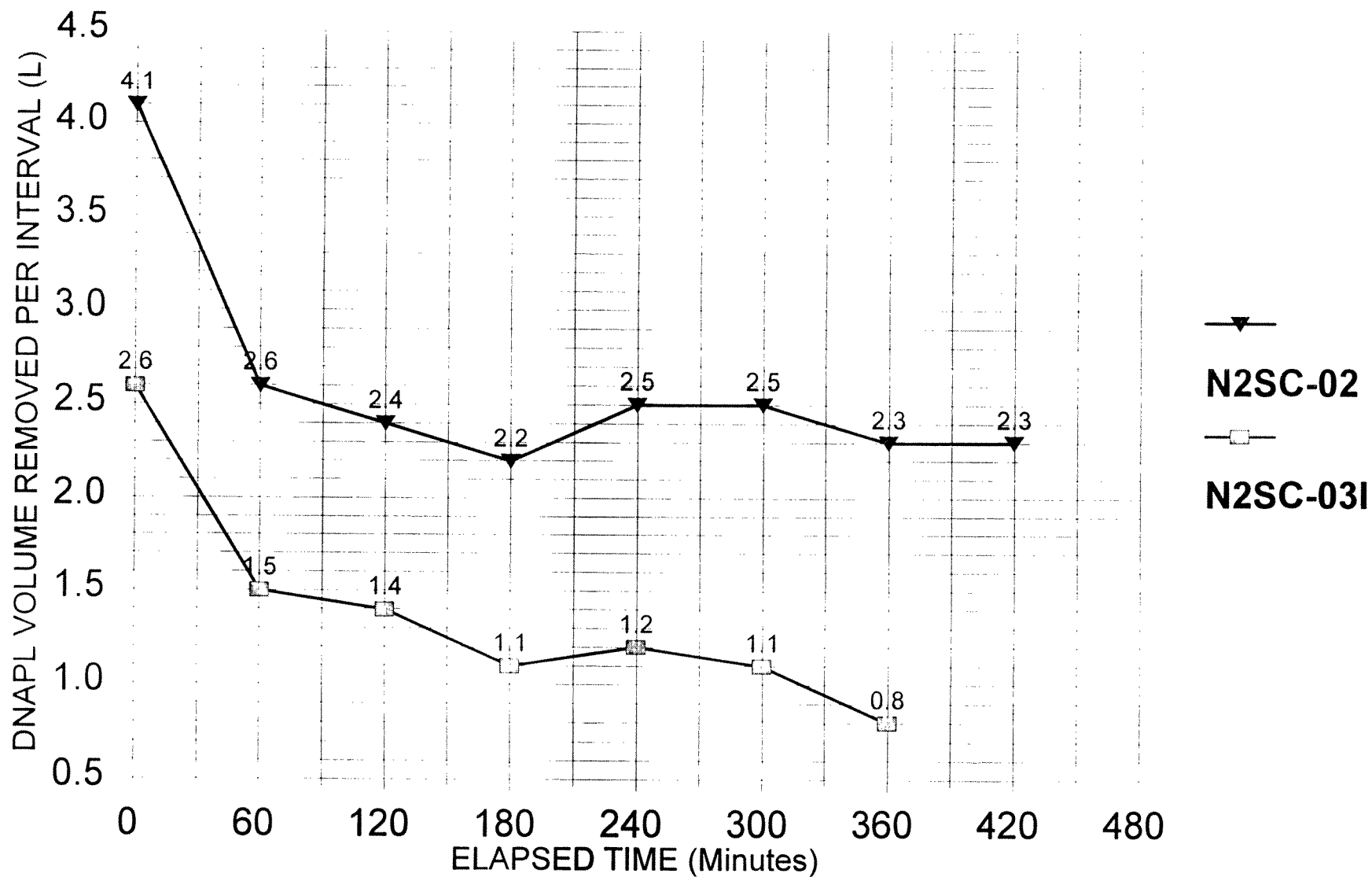
NEWELL STREET PARKING LOT/USEPA AREA 5B

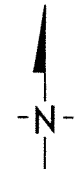
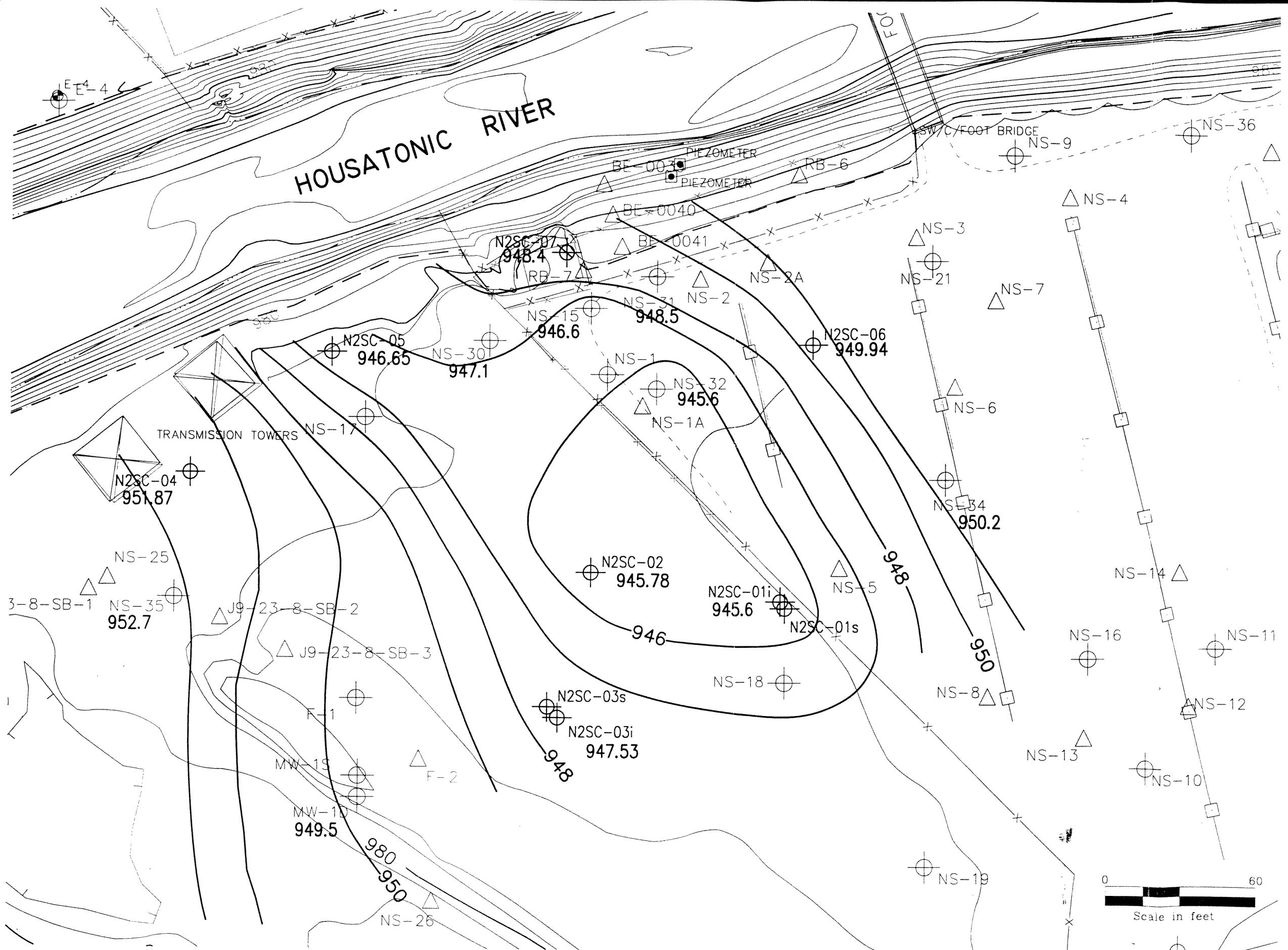
DNAPL RECOVERY TEST DATA

WELL I.D.	N2SC-02	N2SC-031
DEPTH TO WATER	13.80	13.77
DEPTH TO DNAPL	38.08	36.20
TOTAL DEPTH	39.98	40.20
DNAPL THICKNESS	1.90	4.00
TEST DATE	12/21/98	12/28/98
START TIME	07:30 AM	07:45 AM

ELAPSED TIME (minutes):	DNAPL VOLUME REMOVED (liters):			
	N2SC-02		N2SC-031	
	INTERVAL	CUMULATIVE	INTERVAL	CUMULATIVE
0	4.1	4.1	2.6	2.6
60	2.6	6.7	1.5	4.1
120	2.4	9.1	1.4	5.5
180	2.2	11.3	1.1	6.6
240	2.5	13.8	1.2	7.8
300	2.5	16.3	1.1	8.9
360	2.3	18.6	0.8	9.7
420	2.3	20.9	End of test at 360 minutes	

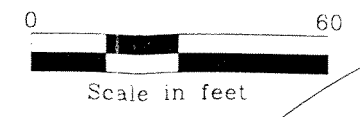
NEWELL STREET II SITE DNAPL RECOVERY TEST DATA





EXPLANATION

- ⊕ ES2-1 EXISTING MONITORING WELL
- 64X(W) EXISTING OIL RECOVERY CAISSON
- ⊙ RW-1(X) EXISTING PUMPING WELL
- △ X-11 EXISTING SOIL BORING
- ⊕ E2SC-1 SOURCE CONTROL MONITORING WELL AND BORINGS (INSTALLED 10/98)
- 961.2 TOP OF TILL ELEVATION
- 946 — TOP OF TILL CONTOUR 1 FOOT INTERVAL



Top of Till Elevation Contour Map, Newell St. Parking Lot

DRAFT 12/10/98

