



05-0139  
SDMS 236653

GE  
159 Plastics Avenue  
Pittsfield, MA 01201  
USA

June 23, 2005

Mr. William P. Lovely, Jr.  
U.S. Environmental Protection Agency  
EPA – New England  
One Congress Street, Suite 1100  
Boston, Massachusetts 02114-2023

Re: GE – Pittsfield/Housatonic River Site  
Groundwater Management Area 1 (GEC310)  
Modifications to Newell Street Area -II -DNAPL Collection Systems

Dear Mr. Lovely:

In a June 7, 2005 correspondence to EPA, GE presented the results of DNAPL recovery testing in the Newell Street Area II portion of Groundwater Management Area 1, along with a proposal to modify the DNAPL recovery operations at that area. Major elements of that proposal included:

- Continuing System 2 DNAPL recovery operations at existing well N2SC-14 and two new 6-inch diameter recovery wells that will be located adjacent to and replace wells N2SC-1I and N2SC-3I;
- Replacing active recovery operations at System 1 wells (NS-15, NS-30, NS-32) with a manual removal program, due to the lack of any significant DNAPL accumulation and recharge at these locations;
- Removing the current System 1 DNAPL collection piping and storage shed and consolidating all future DNAPL collection and storage into the existing System 2 trailer; and
- Continuing manual DNAPL removal at well N2SC-08.

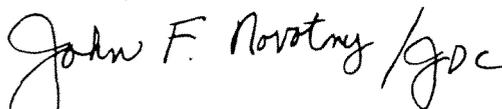
GE understands that EPA is still reviewing this proposal and that it will provide comments shortly.

As indicated in the June 7, 2005 proposal and as discussed with EPA, GE is supplementing that proposal by providing the following set of engineering plans for the design of an upgraded DNAPL collection and storage system to be constructed at the site during the removal action and restoration activities at the Newell Street Area II RAA. As part of the collection system upgrade, all of the existing piping system and supports will be removed and replaced. New supports, consisting of concrete posts with steel anchor pipes will be installed. The existing DNAPL recovery piping will be replaced by a double containment system consisting of chemically resistant, epoxy coated, fiberglass pipe. The piping system will be comprised of an inner 1-inch carrier pipe, a 4-inch secondary containment pipe, heat trace, pipe insulation, and an outer HDPE jacket. A new 12ft. x 65ft. concrete pad will be constructed to the southeast of the existing System 2 trailer, and the trailer will be relocated to the new pad. Many improvements will also be made to trailer and its related features including a new roof, repainting, additional support cribbing, new stairs, new skirt mounting, new trailer doors, and several electrical upgrades. Complete engineering details and specifications are shown on the attached drawings. We understand that EPA will provide its approval for these plans as part of its approval of the June 7, 2005 proposal.

GE plans to submit these engineering specifications to several contractors later this month for bidding purposes and we will be prepared to implement these changes once EPA approval is obtained for the June 7, 2005 proposed modifications to the DNAPL recovery operations, as supplemented by this letter and enclosures, and once soil removal/restoration activities are implemented.

Please feel free to contact me at (413) 448-5905 if you have any questions on this submittal.

Sincerely Yours,

A handwritten signature in black ink that reads "John F. Novotny /gdc". The signature is written in a cursive style with a large initial "J".

John F. Novotny, P.E.

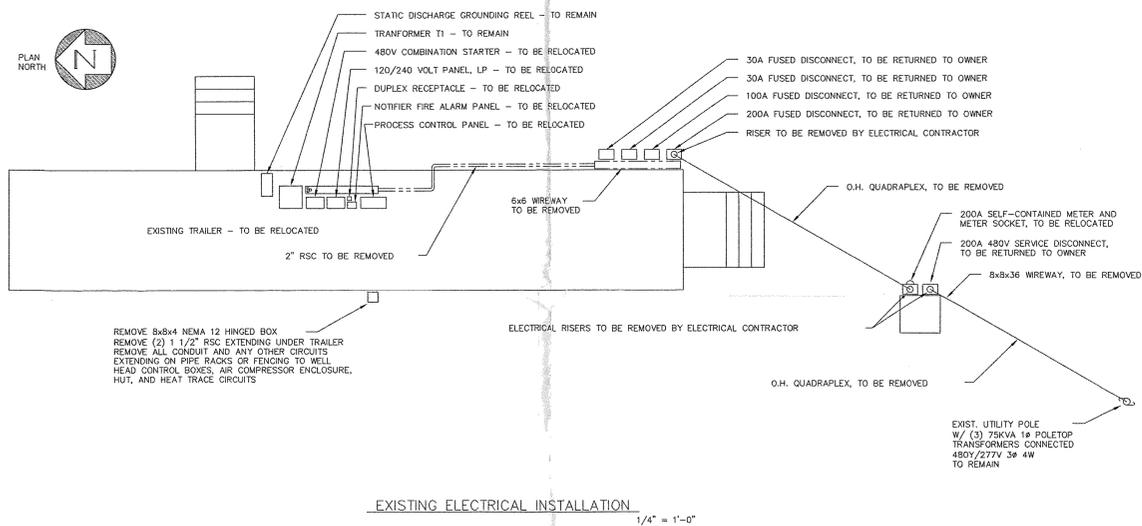
Manager-Facilities and Brownfields Program

Enclosures

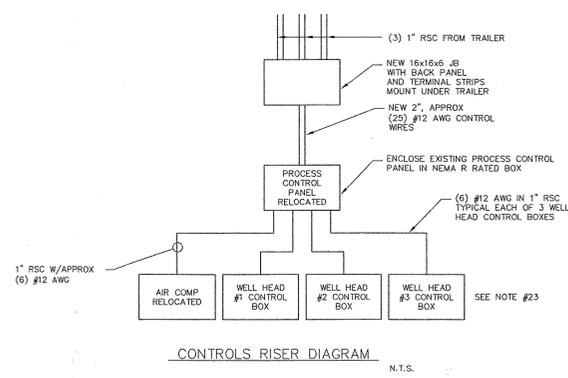
cc: D. Tagliaferro, EPA  
J. DiLorenzo, EPA  
T. Conway, EPA  
H. Inglis, EPA  
R. Howell, EPA\*  
K.C. Mitkevicius, USACE  
L. Palmieri, Weston (2 copies)  
A. Symington, MDEP\*  
R. Bell, MDEP\*  
S. Steenstrup, MDEP (2 copies)  
T. Angus, MDEP\*  
J. Ruberto, Mayor, City of Pittsfield  
Pittsfield Commissioner of Public Health  
T. Hickey, Director, PEDDA  
J. Bernstein, Bernstein, Cushner & Kimmel  
T. Bowers, Gradient  
N. E. Harper, MA AG\*  
D. Young, MA EOEAA  
M. Carroll, GE\*  
A. Silfer, GE  
R. Gates, GE  
R. McLaren, GE\*  
J. Nuss, BBL  
J. Bieke, Goodwin Procter  
J. Ciampa, SPECTRA  
R. Nasman, Berkshire Gas  
B. Charest, Northeast Utilities Service Co.  
C. Nicol, Northeast Utilities Service Co.  
P. Dowd, Western Mass Electric Co.  
D. Vogel, Western Mass Electric Co.  
M. McHugh, Rich, May  
J. Porter, Mintz, Levin  
I. Murarka, Ish, Inc.  
D. Mauro, META  
K. Hylton, KHES, LLC  
Public Information Repositories  
GE Internal Repositories

*\*cover letter only*

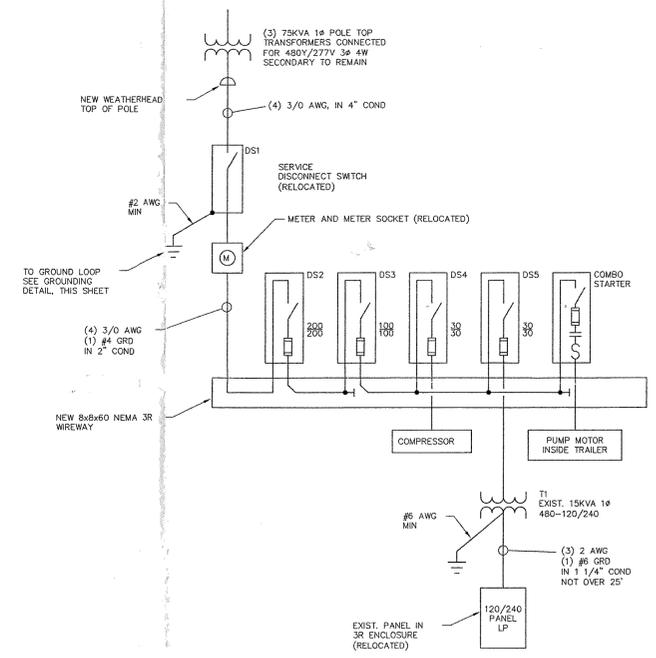




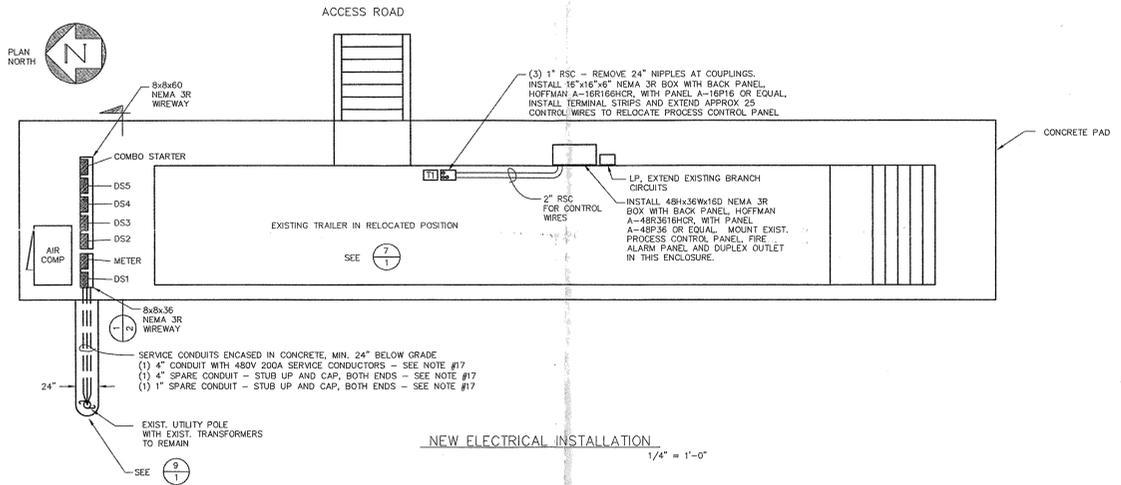
EXISTING ELECTRICAL INSTALLATION  
1/4" = 1'-0"



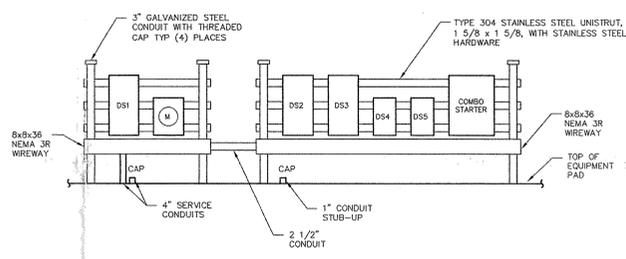
CONTROLS RISER DIAGRAM  
N.T.S.



NEW 1-LINE POWER DIAGRAM



NEW ELECTRICAL INSTALLATION  
1/4" = 1'-0"



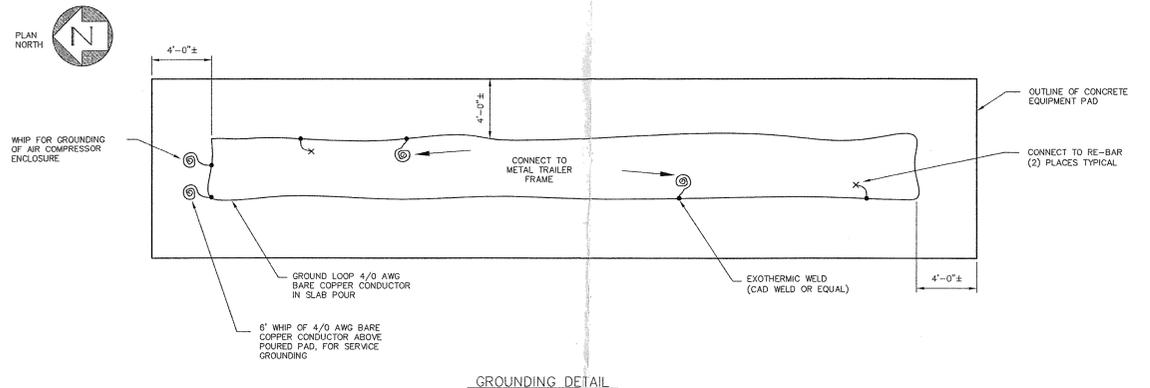
ELEVATION: ELECTRICAL SERVICE & DISTRIBUTION RACK  
N.T.S.

ELECTRICAL NOTES

- ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE, STATE AND LOCAL CODES.
- ALL WIRE SHALL BE COPPER UNLESS OTHERWISE INDICATED.
- MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE NOTED. MINIMUM CONTROL WIRE SIZE SHALL BE #14 AWG UNLESS OTHERWISE NOTED.
- ALL WIRE SHALL BE 600V INSULATED TYPES THHN OR XHHW, 90 DEGREE C, UNLESS OTHERWISE INDICATED.
- ALL BRANCH BREAKERS IN PANELBOARDS SHALL BE DESCRIBED AND CLEARLY LABELED.
- EQUIPMENT GROUND CONDUCTOR TO BE IN CONDUIT WITH LIVE CONDUCTORS.
- THE FRAMES OR OUTSIDE ENCLOSURES OF ALL EQUIPMENT MUST BE GROUNDED.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ELIMINATE ANY INTERFERENCES WITH PIPES, DUCTS, ETC.
- CLAIMS FOR EXTRA PAYMENT WILL NOT BE ALLOWED DUE TO UNFAMILIARITY WITH THE WORK PERFORMED BY OTHER TRADES, EXISTING CONDITIONS AT THE JOB SITE, LOCAL OR STATE LAWS AND CODES, OR ALTERATIONS DUE TO FIELD CONDITIONS.
- THE CONTRACTOR SHALL OBTAIN AND BEAR THE COST OF ALL PERMITS REQUIRED TO PERFORM THE WORK.
- ALL LOCATIONS ARE SHOWN APPROXIMATE. CONTRACTOR TO FIELD VERIFY FOR OPTIMUM CONDUIT ROUTING. DO NOT SCALE OFF THE PLANS FOR ANY REASONS.
- THE CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING.
- CONTRACTOR IS TO SUPPLY AND INSTALL NEMA 3R ENCLOSURES, OUTLETS, GROUNDING AND BONDING, CABLE AND CONDUIT, PULL BOXES AND MISC. FITTINGS, SUPPORTS, AND HARDWARE, WHETHER SHOWN ON PLANS OR NOT, TO COMPRISE A COMPLETE AND OPERATING SYSTEM.
- CONTRACTOR TO CHECK ROTATION OF ALL MOTORS, AND CORRECT AS NECESSARY.
- ALL POWER OUTAGES TO BE APPROVED IN ADVANCE BY THE OWNER.
- MINIMUM CONDUIT SIZE FOR 480V CIRCUITS SHALL BE 3" TRADE SIZE.
- CONDUIT ENCASED IN CONCRETE TO BE SCH 40 PVC, WITH THREADED RIGID GALVANIZED STEEL STUB-UP ELBOWS.
- ABOVE GROUND CONDUIT TO BE THREADED RIGID GALVANIZED STEEL.
- PULL BOXES IN CONDUIT RUNS ARE NOT SHOWN. ELECTRICAL CONTRACTOR TO INSTALL PULL BOXES NECESSARY TO MEET CODE.
- ELECTRICAL CONTRACTOR TO CO-ORDINATE WITH WESTERN MASSACHUSETTS ELECTRIC COMPANY (WMECO) FOR SERVICE CUTOVER.
- LOCATION OF METER TO BE APPROVED IN ADVANCE BY WMECO.
- ALL MAJOR METALLIC PIPING SYSTEM TO BE BONDED TO GROUND LOOP.
- SEE SITE PLAN FOR EXACT LOCATIONS OF WELL HEAD CONTROL BOXES.
- HEAT TRACE TO BE SELF-REGULATING 6 WATT/FT, RACHEM OR EQUAL.
- TERMINATION OF CONTROL WIRES BY CONTRACTOR.

LEGEND

- DS1 DISCONNECT SWITCH, 600V 200A 3 POLE HEAVY DUTY UNFUSED TYPE, NEMA 4/4X STAINLESS STEEL ENCLOSURE, GE TH3364SS, NO SUBSTITUTE.
- DS2 DISCONNECT SWITCH, 600V 200A 3 POLE HEAVY DUTY FUSED TYPE, NEMA 4/4X STAINLESS STEEL ENCLOSURE, GE TH3364SS, NO SUBSTITUTE, WITH 200 AMP CLASS R FUSING.
- DS3 DISCONNECT SWITCH, 600V 100A 3 POLE HEAVY DUTY FUSED TYPE, NEMA 4/4X STAINLESS STEEL ENCLOSURE, GE TH3363SS, NO SUBSTITUTE, WITH 100 AMP CLASS R FUSING.
- DS4, DS5 DISCONNECT SWITCH, 600V 30A 3 POLE HEAVY DUTY FUSED TYPE, NEMA 4/4X STAINLESS STEEL ENCLOSURE, GE TH3363SS, NO SUBSTITUTE, WITH CLASS R FUSING SIZED TO LOAD REQUIREMENTS.



GROUNDING DETAIL  
N.T.S.

HILL ENG. CAD CODE: - M-1100-E101.DWG

**Hill**  
engineers  
architects  
planners

50 Depot Street  
Dartmouth, MA 01226  
(413) 684-0925

41 Park Street  
Adams, MA 01220  
(413) 743-0013  
www.hillengineers.com

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NO.	DATE	REVISIONS	DRN	APPR
A	06/22/05	GENERAL REVISIONS	ASC	HCK

PROJECT	
PROJ. ENGR:	DESIGNED BY:
DRAWN BY:	CHECKED BY:
APPROVED BY:	CONTOUR INTERVAL:
DATUM:	

GENERAL ELECTRIC COMPANY  
NEWELL STREET AREA II R&A REMEDIAL PLAN  
**PROPOSED TRAILER RELOCATION,  
ASSOCIATED PIPING, AND ELECTRICAL**

PITTSFIELD, MASSACHUSETTS  
SPECTRA ENGINEERING, ARCHITECTURE  
AND SURVEYING P.C.  
19 British American Boulevard  
Latham, NY 12110  
TEL (518) 782-0882 FAX (518) 782-0873

DATE: 06/01/05 DRAWING: E-101 PROJ. NO. SHEET 2 OF 2