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C-49-01-3-271

January 28, 1993

Mr. Jim Colter (Code 1823)
Remedial Project Manager
Northern Division
Naval Facilities Engineering Command
10 Industrial Highway, MS#82
Lester, Pennsylvania 19113

Reference: Contract No. N62472-90-D-1298, CTO No. 0089

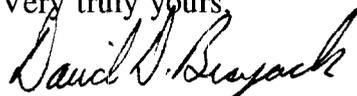
Subject: Status Report - January 29, 1993
Site Visit Report - 01/19/95 and 01/25/93
NWIRP Bethpage, New York

Dear Mr. Colter:

Please find enclosed sixteen copies of the Status Report and two copies of the Site Visit Report for your use. The Status Report reflects the technical status of the project through January 29, 1993 and is intended for distribution to the TRC members. The Site Visit Report summarizes the contact with the local residents on those dates and is intended for file use only.

If have any questions or require additional information, please call me at (412) 921-8375.

Very truly yours,



David D. Brayack, P.E.
Project Manager

/DDB

cc: Mr. R. Boucher (Navy) w/o attachment
Mr. D. Rule (Navy) w/o attachment
Mr. J. Trepanowski (HNUS) w/o attachment
Ms. D. Wroblewski (HNUS)
Ms. P. Patton (HNUS) w/o attachment
File: 1953

STATUS REPORT - JANUARY 29, 1993
PHASE 2 RI/FS
NWIRP BETHPAGE, NY - CTO 0089

FIELD WORK

Plant No. 3 Inspection

The visual inspection of the Plant No. 3 was conducted in October 1992. In general, this inspection indicated that there is no likely potential significant source of solvent contamination in Plant No. 3. However, there are a couple suspect areas in Plant No. 3.

Soil Sampling

The sampling of soils and sediments for PCBs was completed December 17, 1992. Note that because the recharge basins where the sediment samples were collected is now active, the exact sample locations have been moved within the basin to allow access to the sediments.

Most of the drummed residue sampling was completed at this time. The inability to spread soils to date has limited the access to some of the drums. The three remaining samples of drummed residues will be collected in February 1993.

Four of the eight subsurface soil samples for VOA analysis near HN-24 were collected the week of January 11, 1993. The other four samples were collected the week of January 25, 1993. HNu screening of the split spoon samples collected in one well east of HN-24 found no elevated readings in samples collected up to a depth of 150 feet. The sample obtained at 160 feet deep was measured to have a (split spoon head space) HNu reading of 38 PPM. A significant clay layer at 150 feet, similar to that in HN-24I, was not encountered at this location. For the well north of HN-24, the HNu readings were 5-15, 99, and 10-20 PPM, at depths of <140, 150, and 160 feet, respectively. A significant clay layer, similar to that of HN-24I, was found at the depth of approximately 150 feet.

Temporary Monitoring Wells

The offsite temporary monitoring wells were installed and sampled the first two weeks of December 1992. The results (attached) indicate that the Site 1-related shallow VOA contamination extends east to approximately 10th Street and south to approximately Meade Avenue. Shallow contamination at Location Number 11 may be influenced by water from the recharge basin water. The two onsite locations were selected to support the pump tests.

Permanent Monitoring Wells

Based on the preliminary computer modeling, one onsite intermediate-depth monitoring well was selected to be located several hundred feet east of HN-24 (in the area of the former coal pile) and the second onsite intermediate-depth monitoring well was selected to be located approximately 100 feet north of HN-24. The first intermediate-depth monitoring well east of HN-24 (identified as HN-24₁) was installed the week of January 18, 1993. The second intermediate-depth monitoring well north of HN-24 (HN-24₂) was installed the week of January 25, 1993.

The offsite monitoring well cluster locations have been confirmed by the NYSDEC to consist of Location 9 (HN-40), Location 10 (HN-41), and a new location near the corner of 7th Street and Maple Avenue (HN-42), (see the attached figure for locations). Drilling at these locations is planned to commence the week of February 1, 1993 and is expected to last approximately four weeks.

Groundwater Pumping Tests

The Pump Test Well was installed in early January 1993. The first pump test using this well was conducted the week of January 18, 1993. The second pump test, using Production Well No. 11, was conducted the week of January 25, 1993.

Computer Modeling

The preliminary computer model has been developed to help select the intermediate-depth wells near HN-24. Model calibration, based on the results of the pump tests, is underway.

FS Report

Work on the FS was initiated in mid January 1993. Preliminary sections consisting of an outline, ARARs, preliminary objects and goals should be ready for review in early February.

Community Relations

A door-to-door distribution of a drilling notice for the houses that will be most directly affected by the offsite drilling (HN-40 and HN-41) was conducted the week of January 18, 1993. A second round of visits was conducted for the houses most directly affected by the drilling of HN-42 the week of January 25, 1993. A fact sheet discussing the results of the temporary monitoring well program is planned for early February 1993.

**PRELIMINARY RESULTS OF TEMPORARY MONITORING WELL PROGRAM
NWIRP BETHPAGE, NEW YORK PHASE 2 RI**

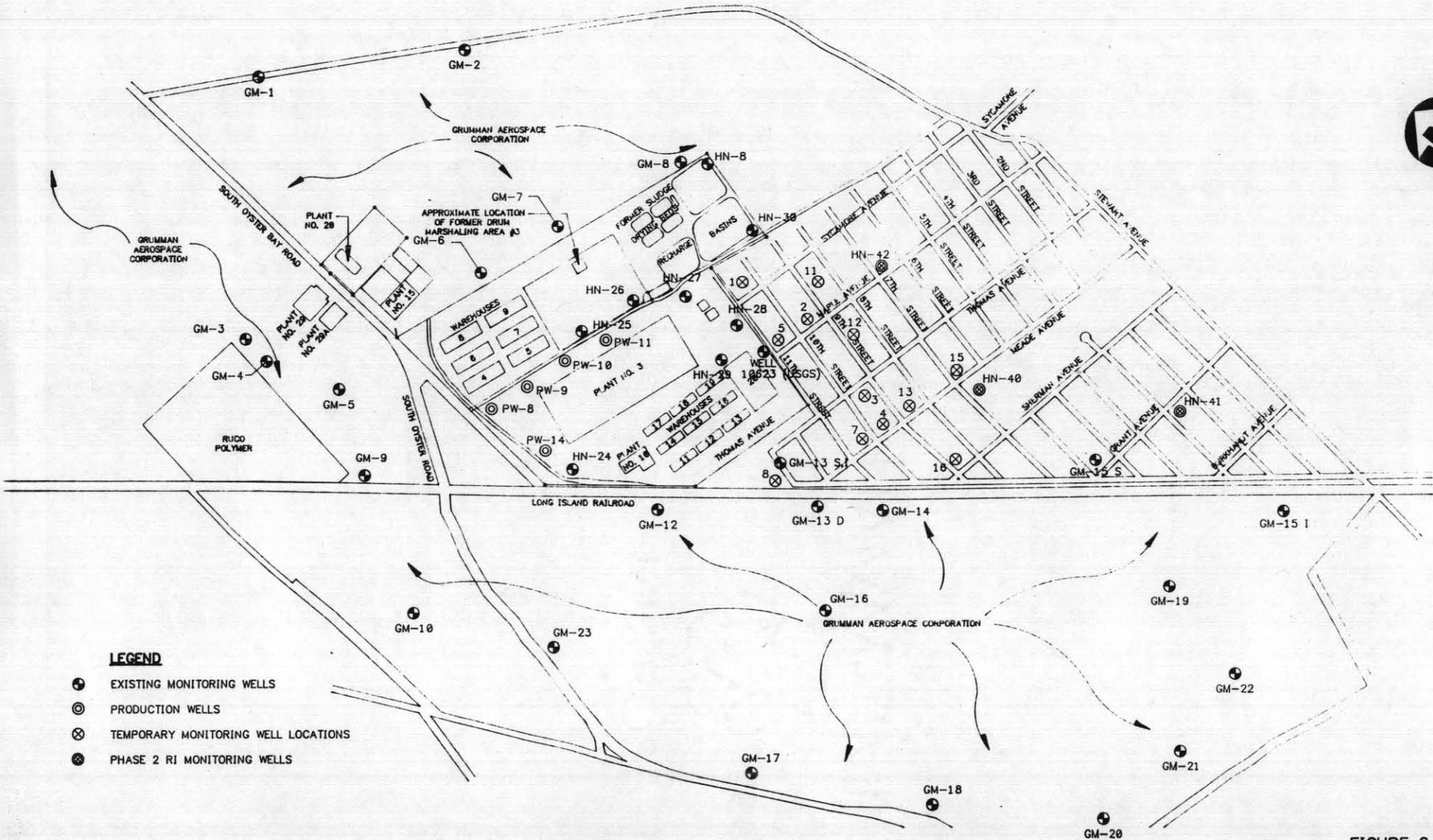
Parameter	Concentration (ug/l)													
	MDL	R01	R02	R03	R04	R05	R07	R08	R11	R12	R13	R16	HN-27S2	HN-27S3
TCE	0.18	1.27	2.07		0.24	22.49	7.24		6.08				141.33	9.82
PCE	0.03				0.11	4.11	1.34		0.33				637.06	22.15
1,1,1-TCA	0.03/ 0.18			*	0.31	3.73	1.76	*	0.94				113.04	18.89
VC	0.18													
1,1-DCE	0.13												3.39	0.82
1,1-DCA	0.07												6.31	1.91
1,2-DCA	0.03													
c-1,2-DCE	0.34												22.51	0.86
t-1,2-DCE	0.10												8.77	

Blank indicates that parameter was not detected at a concentration above the method detection limit (MDL).

* Only 1,1,1-TCA was detected in this sample at a concentration of 0.18 ug/l. Additionally, in one field blank sample, 1,1,1-TCA was also detected at a concentration of 0.18 ug/l. Based on the MDL and the field blank concentration, it is likely that the measured 1,1,1-TCA concentration at these two locations is not representative of groundwater conditions.

R01 through R16 correspond to offsite locations 1 through 16.

HN-27S2 and HN-27S3 are two new (and permanent) onsite monitoring well locations at Site 1, near HN-27.



- LEGEND**
- ⊕ EXISTING MONITORING WELLS
 - ⊙ PRODUCTION WELLS
 - ⊗ TEMPORARY MONITORING WELL LOCATIONS
 - ⊗ PHASE 2 RI MONITORING WELLS

**OFFSITE MONITORING WELLS
 PHASE 2 - REMEDIAL INVESTIGATION FEASIBILITY STUDY
 NWIRP, BETHPAGE, NEW YORK**

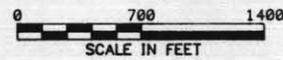
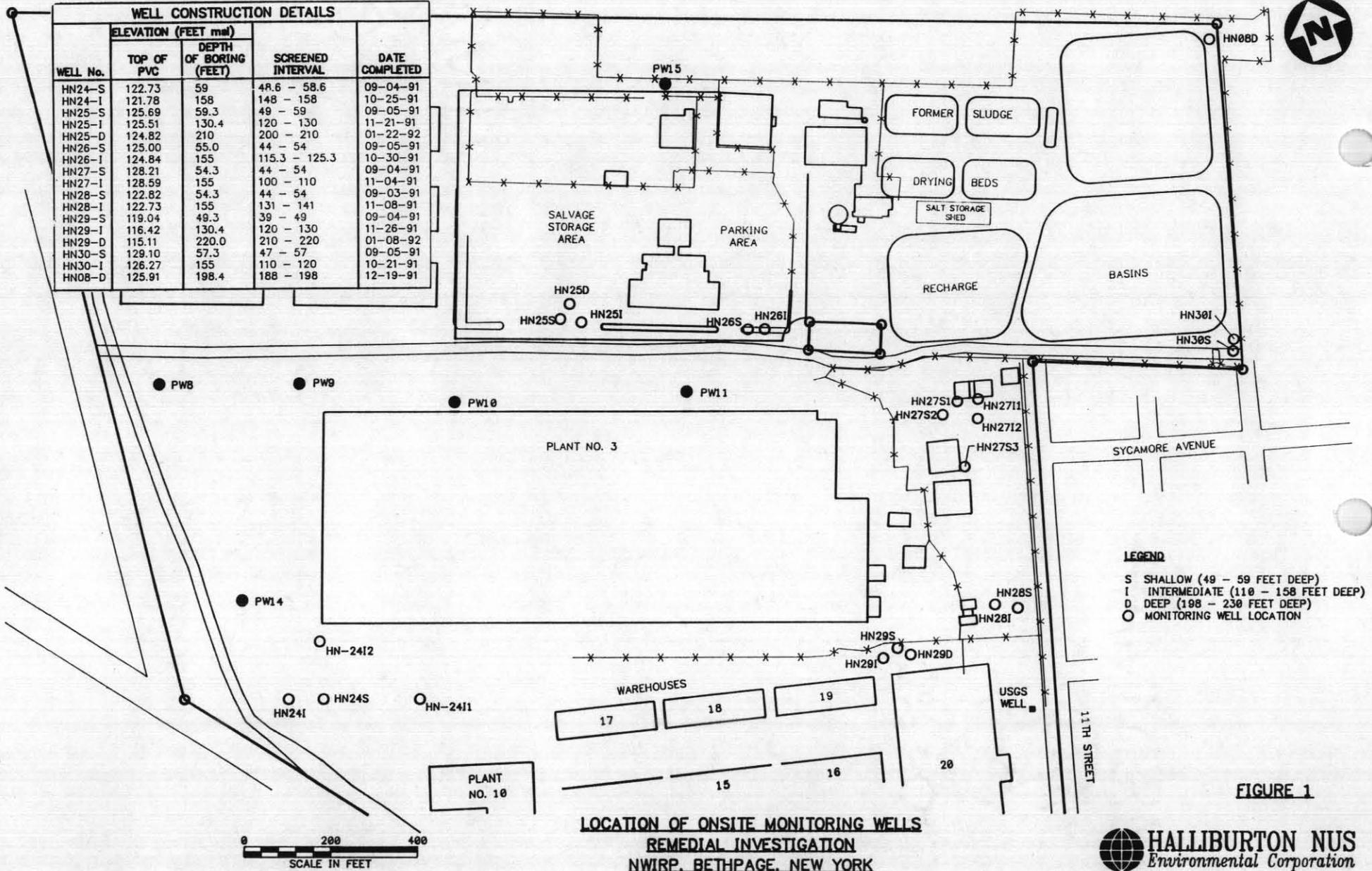


FIGURE 2

WELL CONSTRUCTION DETAILS				
WELL No.	ELEVATION (FEET <i>msl</i>)		SCREENED INTERVAL	DATE COMPLETED
	TOP OF PVC	DEPTH OF BORING (FEET)		
HN24-S	122.73	59	48.6 - 58.6	09-04-91
HN24-I	121.78	158	148 - 158	10-25-91
HN25-S	125.69	59.3	49 - 59	09-05-91
HN25-I	125.51	130.4	120 - 130	11-21-91
HN25-D	124.82	210	200 - 210	01-22-92
HN26-S	125.00	55.0	44 - 54	09-05-91
HN26-I	124.84	155	115.3 - 125.3	10-30-91
HN27-S	128.21	54.3	44 - 54	09-04-91
HN27-I	128.59	155	100 - 110	11-04-91
HN28-S	122.82	54.3	44 - 54	09-03-91
HN28-I	122.73	155	131 - 141	11-08-91
HN29-S	119.04	49.3	39 - 49	09-04-91
HN29-I	116.42	130.4	120 - 130	11-26-91
HN29-D	115.11	220.0	210 - 220	01-08-92
HN30-S	129.10	57.3	47 - 57	09-05-91
HN30-I	126.27	155	110 - 120	10-21-91
HN08-D	125.91	198.4	188 - 198	12-19-91



**LOCATION OF ONSITE MONITORING WELLS
REMEDIAL INVESTIGATION
NWIRP, BETHPAGE, NEW YORK**

FIGURE 1

SITE VISIT - 01/19/93 and 01/25/93
OFFSITE DRILLING PROGRAM
COMMUNITY NOTIFICATION
NWIRP, BETHPAGE, NY, CTO 0089, CLEAN CONTRACT

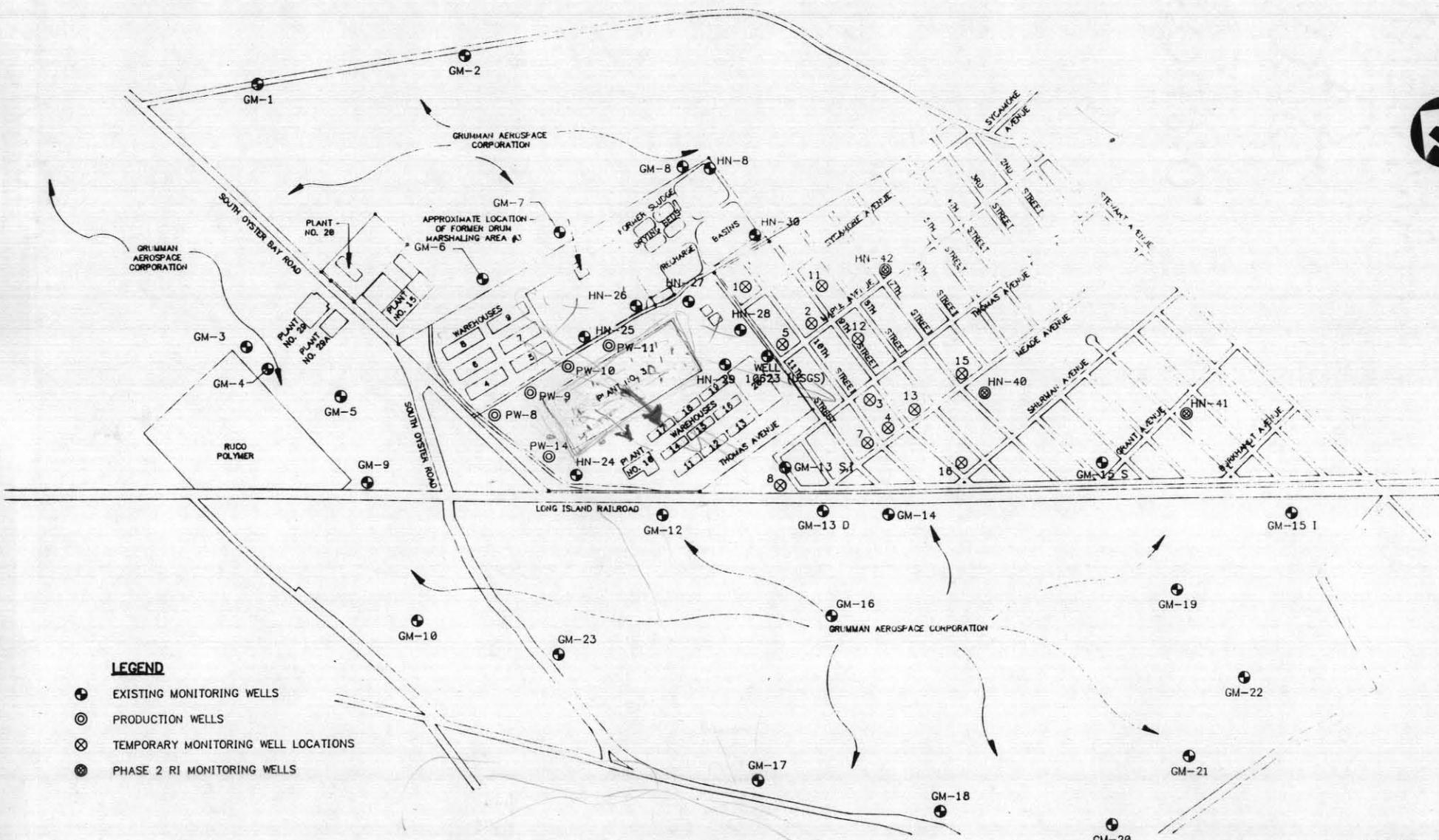
As part of the community relations efforts at the NWIRP Bethpage, on January 19 and 25, 1993, Jim Colter (Navy), David Brayack (HNUS), and Tammy Way (HNUS) conducted a door-to-door notification of upcoming drilling activities at locations 9 (HN-40), 10 (HN-41), and HN-42 (see attached Figure). Only the houses most directly effected were contacted. The contact consisted of knocking on the door. If answered, they were handed a notice and a copy of the October 1992 Fact Sheet (attached) and the upcoming drilling activities near there house was briefly explained to them. Questions were solicited. If they did not answer, a copy of the notice and Fact Sheet were placed in their door or mail box.

At location 9 (HN-40 - south of Meade Avenue on 7th Street), leaflets were distributed to House Numbers 166, 144, 146, 155, 145, and 143 7th Street between 0920 and 0950 hours on January 19, 1993. We talked to the residents at House Numbers 143, 145, and 155, and briefly to the resident at House Number 144.

At location 10 (HN-41 - south of Grant Avenue on 3rd Street), leaflets were distributed to House Numbers 72, 68, 69, 73, and 79 3rd Street between 0950 and 1010 hours on January 19, 1993. We talked to residents at House Numbers 69 and 79. We approached House Number 80 and the resident refused to talk to us or accept our leaflets. A resident at House Number 72 told us to return in a 1 to 1.5 hours. At 1120 we returned and there was no answer at the house.

At HN-42 - (east of 7th Street on Maple Avenue), leaflets were distributed to House Numbers 170, 166, and 163 Maple Avenue and 226 7th Street between 0940 and 1020 hours on January 25, 1993. We talked to residents at House Numbers 166, 163, and 226.

No adverse reactions were encountered during the community discussions. In general, people were interested and somewhat concerned, but not alarmed. One resident noted that the corner selected for HN-42 was a school bus stop. As a follow up, HALLIBURTON NUS plans to contact the school about moving the bus stop a half block during the drilling activities.



LEGEND

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- ⊙ PRODUCTION WELLS
- ⊗ TEMPORARY MONITORING WELL LOCATIONS
- ⊕⊗ PHASE 2 RI MONITORING WELLS

**OFFSITE MONITORING WELLS
PHASE 2 - REMEDIAL INVESTIGATION FEASIBILITY STUDY
NWIRP, BETHPAGE, NEW YORK**



FIGURE 2