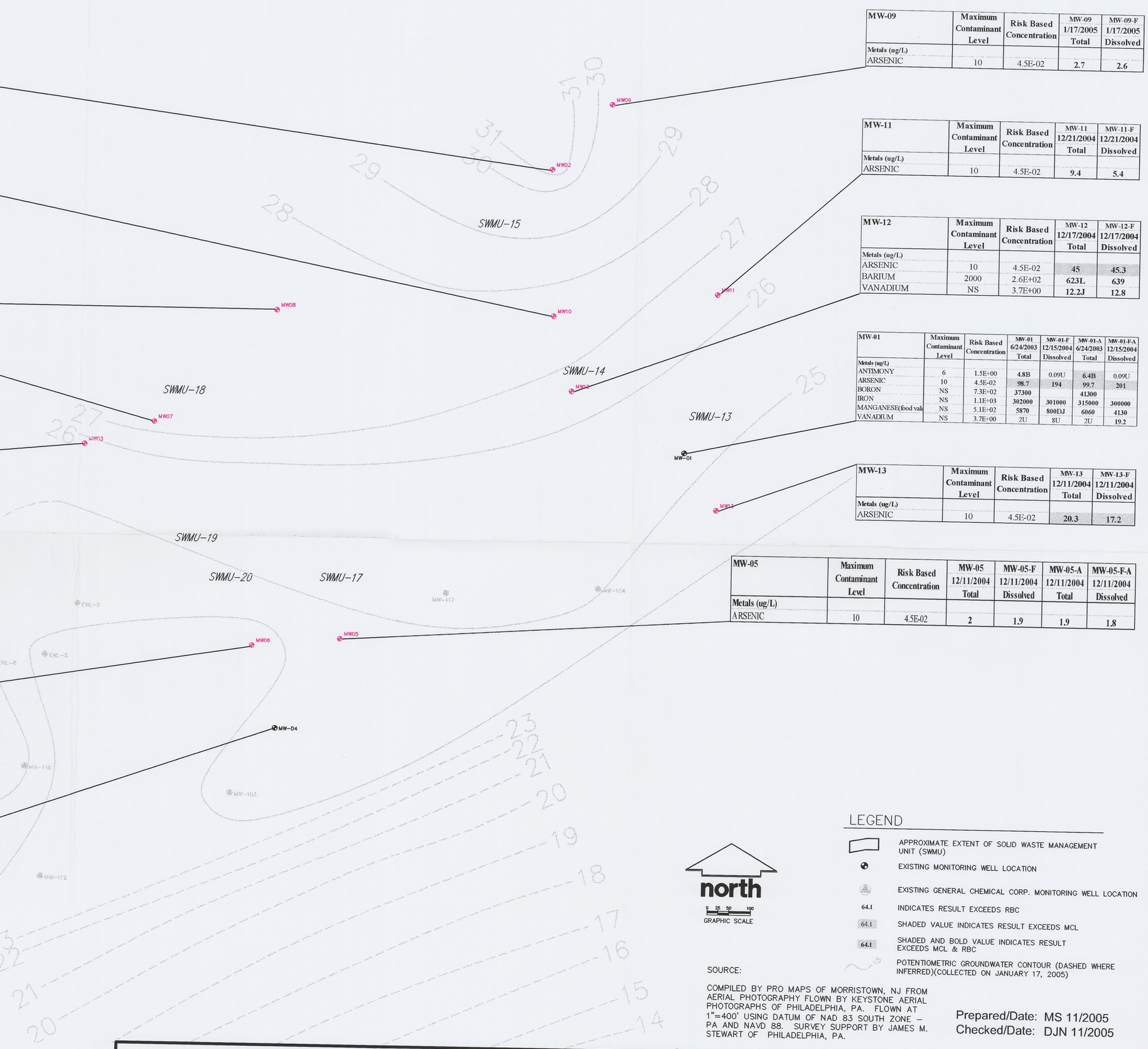

MW-02	Maximum Contaminant Level	Risk Based Concentration	MW-02 6/24/2003 Total	MW-02-F 12/16/2004 Dissolved
Metals (ug/L)				
ANTIMONY	6	1.5E+00	*4.7U*	1.6
ARSENIC	10	4.5E-02	*4.8U*	2

MW-09	Maximum Contaminant Level	Risk Based Concentration	MW-09 1/17/2005 Total	MW-09-F 1/17/2005 Dissolved
Metals (ug/L)				
ARSENIC	10	4.5E-02	2.7	2.6

MW-10	Maximum Contaminant Level	Risk Based Concentration	MW-10 12/17/2004 Total	MW-10-F 12/17/2004 Dissolved
Metals (ug/L)				
ARSENIC	10	4.5E-02	3.7	2.9

MW-11	Maximum Contaminant Level	Risk Based Concentration	MW-11 12/21/2004 Total	MW-11-F 12/21/2004 Dissolved
Metals (ug/L)				
ARSENIC	10	4.5E-02	9.4	5.4

MW-08	Maximum Contaminant Level	Risk Based Concentration	MW-08 12/21/2004 Total	MW-08-F 12/21/2004 Dissolved
Metals (ug/L)				
ARSENIC	10	4.5E-02	1.8	1.5

MW-12	Maximum Contaminant Level	Risk Based Concentration	MW-12 12/17/2004 Total	MW-12-F 12/17/2004 Dissolved
Metals (ug/L)				
ARSENIC	10	4.5E-02	45	45.3
BARIUM	2000	2.6E+02	623L	639
VANADIUM	NS	3.7E+00	12.2J	12.8

MW-07	Maximum Contaminant Level	Risk Based Concentration	MW-07 12/16/2004 Total	MW-07-F 12/16/2004 Dissolved
Metals (ug/L)				
ARSENIC	10	4.5E-02	1.3	1

MW-01	Maximum Contaminant Level	Risk Based Concentration	MW-01 6/24/2003 Total	MW-01-F 12/15/2004 Dissolved	MW-01-A 6/24/2003 Total	MW-01-F-A 12/15/2004 Dissolved
Metals (ug/L)						
ANTIMONY	6	1.5E+00	4.8B	0.09U	6.4B	0.09U
ARSENIC	10	4.5E-02	98.7	194	99.7	201
BORON	NS	7.3E+02	37300		41300	
IRON	NS	1.1E+03	302000	301000	315000	300000
MANGANESE(food valu	NS	5.1E+02	5870	800DJ	6060	4130
VANADIUM	NS	3.7E+00	2U	8U	2U	19.2

MW-03	Maximum Contaminant Level	Risk Based Concentration	MW-03 6/3/2003 Total	MW-03-F 12/16/2004 Dissolved
Metals (ug/L)				
ARSENIC	10	4.5E-02	*4.7U*	3.4
BORON	NS	7.3E+02	2500	
IRON	NS	1.1E+03	73700	68400
MANGANESE(food valu	NS	5.1E+02	3360	3050

MW-13	Maximum Contaminant Level	Risk Based Concentration	MW-13 12/11/2004 Total	MW-13-F 12/11/2004 Dissolved
Metals (ug/L)				
ARSENIC	10	4.5E-02	20.3	17.2

MW-05	Maximum Contaminant Level	Risk Based Concentration	MW-05 12/11/2004 Total	MW-05-F 12/11/2004 Dissolved	MW-05-A 12/11/2004 Total	MW-05-F-A 12/11/2004 Dissolved
Metals (ug/L)						
ARSENIC	10	4.5E-02	2	1.9	1.9	1.8

MW-06	Maximum Contaminant Level	Risk Based Concentration	MW-06 12/16/2004 Total	MW-06-F 12/16/2004 Dissolved
Metals (ug/L)				
ARSENIC	10	4.5E-02	11.2	11.2
BARIUM	2000	2.6E+02	272	270

MW-04	Maximum Contaminant Level	Risk Based Concentration	MW-04 6/3/2003 Total	MW-04-F 12/15/2004 Dissolved
Metals (ug/L)				
ARSENIC	10	4.5E-02	*4.9B*	2.4
IRON	NS	1.1E+03	1550	4900
MANGANESE	NS	5.1E+02	1230	829
VANADIUM	NS	3.7E+00	3U	9.2

Notes:
1. MCL - Maximum Contaminant Level - US EPA Maximum Contaminant Level for groundwater (7/02).
2. RBC - US EPA Region III Risk-Based Concentration for tap water (October 2004).
3. NS - Indicates no established criteria.
4. Analytical results are presented for all compounds detected in samples from a particular monitoring well location.
5. Blank spaces in the analytical result tables indicate that the parameter was not analyzed.
6. Monitoring wells which are shaded indicate that it was not sampled in 2004.

Qualifiers
U - Analyte was not detected above the indicated detection limit.
J - The reported concentration for this value may not be accurate or precise.
UJ - Analyte was not detected, the indicated detection limit may not be accurate or precise.
L - Analyte present. Reported value may be biased low. Actual value is expected to be higher.
UL - Analyte was not detected, the indicated detection limit may be biased low.
B - Not detected substantially above the levels reported in the field or laboratory blanks.
R - Result is rejected.
D - Compound quantitated on a diluted sample.
E - Concentration exceeds the calibration range of the instrument.
K - Analyte present. Reported value may be biased high.

north

GRAPHIC SCALE 0 25 50 100

LEGEND

- APPROXIMATE EXTENT OF SOLID WASTE MANAGEMENT UNIT (SWMU)
- EXISTING MONITORING WELL LOCATION
- EXISTING GENERAL CHEMICAL CORP. MONITORING WELL LOCATION
- 64.1 INDICATES RESULT EXCEEDS RBC
- 64.1 SHADED VALUE INDICATES RESULT EXCEEDS MCL
- 64.1 SHADED AND BOLD VALUE INDICATES RESULT EXCEEDS MCL & RBC
- POTENTIOMETRIC GROUNDWATER CONTOUR (DASHED WHERE INFERRED)(COLLECTED ON JANUARY 17, 2005)

SOURCE:

COMPILED BY PRO MAPS OF MORRISTOWN, NJ FROM AERIAL PHOTOGRAPHY FLOWN BY KEYSTONE AERIAL PHOTOGRAPHS OF PHILADELPHIA, PA. FLOWN AT 1"=400' USING DATUM OF NAD 83 SOUTH ZONE – PA AND NAVD 88. SURVEY SUPPORT BY JAMES M. STEWART OF PHILADELPHIA, PA.

Prepared/Date: MS 11/2005
Checked/Date: DJN 11/2005

Honeywell

DELAWARE VALLEY WORKS FACILITY
Route 13 (Delaware County)
Claymont, DE

MACTEC

NORTH PLANT GROUNDWATER ANALYTICAL EXCEEDANCES FOR METALS

Project 3485-05-0043

Figure 21