NATURE'S WAY
ENVIRONMENTAL
Consultants & Contractors, Inc.

3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

Subsurface Investigation Report
Duofold Corporation
NYSDEC Site#622030
7 Spruce Street
Ilion, NY

Prepared for:

Benjamin McPherson, EIT
New York State Department of Environmental Conservation
Region 6 - Environmental Quality
Division of Environmental Remediation
317 Washington Street
Watertown, NY 13601

Prepared by:

Nature's Way Environmental Consultants & Contractors, Inc.
3553 Crittenden Road
Alden, NY 14004

January 6, 2015 Revised

NATURE'S WAY
ENVIRONMENTAL
Consultants & Contractors, Inc.

3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

Subsurface Investigation Report
Duofold Corporation
NYSDEC Site#622030
7 Spruce Street
Ilion, NY

Introduction

Nature's Way Environmental Consultants & Contractors, Inc. (Nature's Way) conducted subsurface investigation through the advancement of soil borings and installation of monitoring wells within the property boundaries of the former Duofold Corporation site located at 7 Spruce Street, Ilion, (Herkimer County), NY. This investigation was performed at the request of by Mr. Benjamin McPherson, NYSDEC Region 6 in response to the discovery of Chlorinated Volatile Organic Compounds (CVOCs), Semi-Volatile Organic Compounds / Polycyclic Aromatic Hydrocarbons (SVOCs/PAH), and Metals during previous limited investigation at the site.

Objectives

Surface soils, subsurface soil and groundwater quality at the site were assessed as a means to determine the nature and extent of contamination at the former Duofold facility. Prior to commencement of investigation, a site walk was conducted by representatives of NYSDEC and Nature's Way during which the locations a total of twenty-four (24) surface sample borings, six (6) sub-foundation sample borings and twelve (12) soil boring/monitoring wells were reviewed and staked in the field. At the request of NYSDEC, an additional surface sample boring (located in the parking lot across Spruce Street) was added to the scope of work during field activities. Boring locations advanced during the time period of September 15, 2014 through September 25, 2014 are depicted on Figure 1.

Methodology

Surficial/Sub-Foundation Soil Sampling

A total of thirty (30) surficial/sub-foundation soil boring (SB) locations were advanced to depths of 2.0' to 4.0' below ground surface (bgs), utilizing a truck mounted direct push unit (Simco Earthprobe 200) and disposable 4' macro-core liners. The only exceptions to this were the advancement of SB-9; advanced with a hand auger due to site debris and SB 30 advanced with the drilling rig.

A 4' macro-core sampler with dedicated, disposable liners was utilized to collect samples, complemented with 3" split spoon samplers and hand augers.

Soil Boring / Monitoring Well Installation

A total of twelve (12) soil borings were advanced at designated locations across the site. These borings were advanced with 4 ¼" Hollow Stem Augers (HSA) to depths of 15.0' to 20.0' below ground surface (bgs) utilizing a truck mounted drilling rig (Acker-ADII). Soil samples were secured utilizing split spoon samplers, starting at ground surface and every 3.0' to 5.0' interval thereafter. Monitoring wells (MW) were installed within all 12 boring locations, with the slotted portion of the wells installed to straddle the water table, as directed by the on-site staff geologist. The wells were constructed of 2" 0.010 slot PVC screen with solid PVC riser extending to surface. A sand pack was installed surrounding the screen and extending one foot above, with a bentonite seal above the sand pack. All wells were completed with locking torque plugs, finished with 8" diameter flush mount road boxes with a 2.0' by 2.0' by 0.5' thick concrete surface seal.

NATURE'S WAY ENVIRONMENTAL
Consultants & Contractors, Inc.

3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

Subsurface Investigation Report
Duofold Corporation
NYSDEC Site#622030

Decontamination Procedures
All down hole equipment was decontaminated between holes via steam cleaning, with sampling tools decontaminated between samples utilizing fresh water with Alconox (concentrated surfactant), followed by a clean water rinse. All decon water, purge water and auger cuttings were containerized in 55 gallon drums on-site, within a plastic lined berm, pending disposal.

Field Logging / Screening
Collected soil samples were examined and classified by a NWEC&C, staff geologist on-site. During classification, a Phocheck+ 1000 Photo-Ionization Detector (PID) was utilized to quantify VOC concentrations. Samples submitted for analysis were immediately placed on ice to prevent atmospheric loss.

Boring Locations / Elevations
After the completion of the investigation, each boring and monitoring well location was clearly marked in the field to allow for a subcontracted surveyor (Susan M. Anacker, Professional Land Surveyor PLLC) to locate each boring, as well as establish top of PVC casing elevations at the well locations utilizing GPS. All data points were established relative to the benchmark Designation X 31, PID OE0645, also tied in to Designation W31, PID OE0644, located at the Ilion Post Office, and the bridge near the site, respectively. A copy of the survey as well as GPS coordinates per location summarized in tabular format are included as Appendix #1.

Sample Submission (Soil)
All analytical samples were collected and analyzed according to the most current edition of NYSDEC's Analytical Services Protocol (ASP). One soil sample from each surficial/sub foundation boring location (SB 1 thru SB 29), and four samples from each of the soil boring/monitoring well locations (MW 1- MW 12) were submitted for analytical testing and analyzed for the presence of Target Compound List (TCL) + 30, Target Analyte List (TAL), PCB's, Pesticides, TAL Metals, Cyanide and Mercury. Due to the volume of soil required for the analysis and after discussion with NYSDEC, several analyses were not conducted on the soil boring samples due to lack of volume. More specifically; eight samples were not analyzed for PCB's/Pesticides; MW 7 (4'-6' and 9'-11'), MW 8 (9'-11'), MW 9 (14'-16'), MW 10 (9'-11') and MW 12 (9'-11', 13'-15' and 18'-20'). Additionally, two of these above referenced samples (MW 8 (9'-11') and MW 12 (13'-15')) were not analyzed for SVOCs. Samples were placed within Test America (NYSDEC Contract Laboratory) supplied bottle sets, properly labeled and placed in coolers on ice, including the Chain of Custody and transported via vehicle to the Test America, Syracuse, NY service center. In addition to the soil boring samples, a total of 5 rinse blanks and Matrix Spike /Matrix Spike Dupe (MS/MSD) samples were secured and analyzed.

Sample Submission (Groundwater)
Water levels at each well were gauged, the wells were subsequently purged of a minimum of three well volumes and sampled utilizing disposable bailers. All discharge water was containerized in 55 gallon drums on-site pending disposal. Groundwater samples from all twelve monitoring wells were submitted to Test America for the same analysis (as outlined above), following the same protocol of the soil samples. Rinse duplicates were not required; therefore one MS/MSD groundwater sample was secured and submitted.

NATURE'S WAY ENVIRONMENTAL
Consultants & Contractors, Inc.
3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

Subsurface Investigation Report
Duofold Corporation
NYSDEC Site#622030

Findings

Geologic Description

Fill material with variable texture is present across the entire site. During advancement of the surficial/sub-foundation soil borings fill material was encountered to depths of 0.5' bgs to 4.0'bgs. Fill material was encountered during the advancement of all soil borings ranging in depth from 3.0' to up to 12.0' to 13.0' bgs. The deeper fill material was observed in MW 4, MW 9 and MW 11, and found to intersect the water table (approx. 6.0' to 8.0' bgs across the site) at all three of these locations. In the remaining well locations at which the fill material is shallower, the fill is underlain by natural soils consisting of fine textured silty slack water / clayey lake deposited sediment. Below these fine textured deposits, water sorted and deposited material was encountered; predominantly sand and gravel, with gravel content in the 40% to 70% range. These deposits were saturated and targeted for the placement of the monitoring wells. A more detailed sample description of horizons encountered at each boring location is provided on individual boring logs, included as Appendix #2 to this report. Material encountered at soil boring/monitoring wells is represented on cross section details A-A', B-B' and C-C', included as Appendix #3.

Volatile Organic Compound (VOC) Screening Results

VOC headspace screening readings above background (0.0 ppm) were not recorded for any sample secured from of the surficial, sub-foundation or soil boring locations.

Soil Analytical Results

Samples submitted for analysis from the surficial samples (SB 1-SB 6, SB 13-SB 29) were collected from the 0.5' to 2' bgs due to surficial site conditions (ie: concrete / topsoil), with sub-foundation samples (SB 7-SB 12) collected from a minimum 6" below the soil horizon exposed beneath the wood/concrete foundations. Samples from the monitoring well borings were submitted from each sampled interval (varied). Laboratory analytical results are compared to 6 NYCRR Table 375-6.8(b) Restricted Use Soil Cleanup Objectives (SCO), specifically Commercial, Industrial and Protection of Groundwater in tabular format, included in the tables section of this report. It should be noted that laboratory contamination due to extraordinarily high levels of Pesticides (due to samples from another Client/Project), particularly alpha-BHC, beta-BHC, delta-BHC, gamma-BHC and Hexachlorobenzene (not exclusively limited to these compounds, however these were the ones that were most notably seen), impacted samples submitted from this project. Any samples in the laboratory during this time (assumed 9/24 thru 9/29) were impacted and contain elevated Pesticide levels as a result; more specifically Lab Report ID 68042 and 68115 (MW 5 through MW 12 soil). The specific impact of each affected sample was noted in the case narrative of the reports. The laboratory reports have not been attached due to volume and laboratory submission to NYSEC. Results are summarized below, per analysis and per boring type (surficial/sub-foundation and soil boring).

PCBs (Surficial Soil)

PCBs were identified in three samples, these samples and the total PCB concentration reported for each are; SB4 at 0.19J ppm, SB 5 at 0.4 ppm, SB 15 at 0.84 ppm. Results are summarized in tabular format in Table 1A.

NATURE'S WAY
ENVIRONMENTAL
Consultants & Contractors, Inc.

3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

Subsurface Investigation Report
Duofold Corporation
NYSDEC Site#622030

PCBs (Soil Boring)
PCBs were identified in three of the soil boring samples. These samples and the total PCB concentration reported for each are; MW 2 (0'-2') at 0.73 ppm, MW 8 (0.5'-1.5') at 0.19 ppm, and MW 9 (0.5'-2.0') at 0.47J. Results are summarized in tabular format included as Table 1B – 1D.

Pesticides (Surficial Soil)
Pesticides were not reported at concentrations exceeding Part 375-6.8(b) Protection of Groundwater / Commercial or Industrial SCOs in any of the surficial soil samples. Results are summarized in tabular format included as Table 1A.

Pesticides (Soil Boring)
The only pesticide concentration reported above Part 375-6.8(b) Protection of Groundwater / Commercial or Industrial SCOs in any of the soil samples, without a laboratory qualifier, was Endrin in the MW 11 (0.5'-2.0') sample at 91 ppm (exceeding Groundwater SCO, but below Commercial SCO). Results are summarized in tabular format included as Table 1B-D.

Alpha-BHC was reported in twenty-one samples, beta-BHC were reported present in eight samples, Lindane in three samples, all at concentrations above Protection of Groundwater SCO, however all were flagged with either EB or B (E = exceed calibration range, B = compound was found in the blank and sample). These results may be directly correlated to the laboratory contamination event.

VOC (Surficial Soil)
Only one method target VOC was identified above Part 375-6.8(b) Protection of Groundwater SCO in only one of the twenty nine surficial soil samples; Acetone at 160 ppb in the SB 22 sample. Results are summarized in tabular format in Table 2A.

VOC (Soil Boring)
Of the all of the samples submitted for the soil borings advanced for monitoring well installation, again, only acetone was reported above the Part 375-6.8(b) Protection of Groundwater SCO in the MW 1 (3.5'-5.5'), MW 8 (4.0'-6.0') and MW 12 (4'-6') samples at 90 ppb, 80 ppb and 79 ppb, respectively. Results are summarized in tabular format included as Table 2B-C.

Metals (Surficial Soil)
One to several method target analytes were reported above Part 375-6.8(b) Protection of Groundwater / Commercial or Industrial SCO's in ten of the surficial samples; SB 3, SB 8, SB 12, SB 14, SB 15, SB 19, SB 21, SB 22, SB 23 and SB 24. Reported concentrations for samples secured from six of these locations exceed Industrial SCOs. Results are summarized in tabular format included as Table 3A. More specifically:
***Arsenic** was identified above both the Industrial / Protection of Groundwater SCO of 16 ppm in four **(4)** samples secured from SB 12, 14, 19 and 24, at concentrations of 284 ppm, 41.2 ppm, 52.6 ppm and 19.2B ppm, respectively.

NATURE'S WAY ENVIRONMENTAL
3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

Metals (Surficial Soil) continued:
*Barium exceeded the Commercial SCO of 400 ppm, however below the Protection of Groundwater SCO of 820 ppm in three (3) samples from: SB 12, SB 21 and SB 24 at 585 ppm, 500 ppm, and 403 ppm, respectively.
*Copper was identified at concentrations above the commercial SCO of 270 ppm, however below both the Industrial and Protection of Groundwater SCO(s) for samples from two (2) locations; 295B ppm in the SB 3 location and 378 ppm for the SB 22 location.
*Lead was identified above SCOs in samples from three (3) locations; at 39600 ppm for the SB 12 location, and 5490 ppm in the SB 23 location both at concentrations exceeding both Industrial and Protection of Groundwater SCO(s) of 3,900 ppm and 450 ppm respectively. The concentration of 2890 ppm reported for the SB 24 location exceeded both the Protection of Groundwater and Commercial SCOs.
*Total Mercury was identified above the Protection of Groundwater SCO(s) of 0.73 ppm in three samples (3); SB 8, SB 12 and SB 15 samples, with the SB 8 sample also in exceedance of the Commercial SCO of 2.8ppm.
*Nickel was identified above the Protection of Groundwater SCO(s) of 130 ppm in only the SB 12 sample at a concentration of 195 ppm.
*Selenium was identified above the Protection of Groundwater SCO of 4 ppm in samples from two (2) locations; both the SB 14 and SP 19 samples at concentrations of 4.4J and 39.2 ppm, respectively.

Metals (Soil Boring)
One to two method target analytes were identified in the MW 1 (8.5'-10.5'), MW 9 (0.5-2.0') and MW 12 (0.5'-2.0') and (9.0'-11.0') at concentrations exceeding SCO's, with at least one analyte at each location above the respective Industrial SCO. Results are summarized in tabular format included as Table 3B-C. More specifically;
*Arsenic was identified above both the Industrial / Protection of Groundwater SCO of 16 ppm in four (4) samples, secured from: MW 1 (8.5'-10.5') MW 9 (0.5'-2.0'), MW 12 (0.5'-2.0') and MW 12 (9'-11') at concentrations of 17.1 ppm, 19.8 ppm, 113 ppm and 17.5 ppm, respectively.
*Lead was identified above both the Protection of Groundwater SCO of 450 and Commercial SCO of 1,000 ppm for the sample secured from MW 9 (0.5'-2.0') at 1950 ppm.

SVOC (Surficial Soil)
Method target analytes were reported above Part 375-6.8(b) Protection of Groundwater / Commercial or Industrial SCO's in nine of the surficial samples; SB 1, SB 2, SB 8, SB 9, SB 10, SB 11, SB 12, SB 17, and SB 23. At least one SVOC at each above referenced location exceeded the respective Industrial SCO. Results are summarized in tabular format included as Table 4A.

SVOC (Soil Boring)
Four method target analytes were identified in both the MW 6 (0.5'-2.0') and MW 11 (0.5-2.0') samples, at concentrations exceeding SCO's, with only the benzo(a)pyrene result for the MW 6 sample above the respective Industrial SCO. Results are summarized in tabular format included as Table 4B-C.

Groundwater Gauging / Sampling
All twelve monitoring wells (MW 1 – MW 12) were gauged, purged, and sampled on October 14, 2014. Groundwater results are summarized in the following sections.

NATURE'S WAY ENVIRONMENTAL
Consultants & Contractors, Inc.

3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

Subsurface Investigation Report
Duofold Corporation
NYSDEC Site#622030

Groundwater Elevation / Flow

Top of casing elevations established during the survey, and water level readings (feet below TOC) gauged on 10/14/14 were utilized to calculate groundwater elevations. Depth to water during the 10/14/14 sampling event ranged from at 6.05' bgs (MW8) to 8.23' bgs (MW 2), with groundwater elevation calculated at 386.825 (MW 5) to 384.675 (MW10). Groundwater flow was determined to be in a north-northeasterly direction. Groundwater gauging data is presented below in tabular format, with interpolated groundwater flow map generated for the 10/14/14 gauging/sampling event attached (Figure 2).

Groundwater Elevation

Well ID	TOC Elevation	Date	Well Diam, (inches)	Depth to Water (feet btoc)	Well Depth (feet btoc)	Water Column (feet)	Convers	Well Volume (gallons)	Total Bailed (gallons)	Notes			Groundwater Elevation
										Odor	Sheen	Color	
MW 1	392.34291	10/7/2014	2"	6.5	15								385.84291
		10/14/2014	2"	6.6	15	8.4	0.17	1.43	5.00	no	no	Brown	385.74291
MW 2	394.05569	10/7/2014	2"	8.11	15.65								385.94569
		10/14/2014	2"	8.23	15.65	7.42	0.17	1.26	5.00	no	no	Brown	385.82569
MW 3	392.15502	10/7/2014	2"	6.46	14.71								385.69502
		10/14/2014	2"	6.58	14.71	8.13	0.17	1.38	5.00	no	no	Brown	385.57502
MW 4	393.7625	10/7/2014	2"	7.59	15.78								386.1725
		10/14/2014	2"	7.72	15.78	8.06	0.17	1.37	5.00	no	no	Brown	386.0425
MW 5	393.34509	10/7/2014	2"	6.42	15.4								386.92509
		10/14/2014	2"	6.52	15.4	8.88	0.17	1.51	5.00	no	no	Brown	386.82509
MW 6	393.0922	10/7/2014	2"	6.43	13.42								386.6622
		10/14/2014	2"	6.56	13.42	6.86	0.17	1.17	5.00	no	no	Brown	386.5322
MW 7	392.53047	10/7/2014	2"	6.32	13.79								386.21047
		10/14/2014	2"	6.45	13.79	7.34	0.17	1.25	5.00	no	no	Brown	386.08047
MW 8	391.23423	10/7/2014	2"	5.95	13.63								385.28423
		10/14/2014	2"	6.05	13.63	7.58	0.17	1.29	5.00	no	no	Brown	385.18423
MW 9	392.90751	10/7/2014	2"	7.88	15.65								385.02751
		10/14/2014	2"	8	15.65	7.65	0.17	1.30	5.00	no	no	Brown	384.90751
MW 10	391.56497	10/7/2014	2"	6.79	14.7								384.77497
		10/14/2014	2"	6.89	14.7	7.81	0.17	1.33	5.00	no	no	Brown	384.67497
MW 11	393.29749	10/7/2014	2"	7.01	14.59								386.28749
		10/14/2014	2"	7.7	14.59	6.89	0.17	1.17	5.00	no	no	Brown	385.59749
MW 12	393.64338	10/7/2014	2"	7.22	13.8								386.42338
		10/14/2014	2"	7.4	13.75	6.35	0.17	1.08	5.00	no	no	Brown	386.24338

Groundwater Analytical Results

Laboratory analytical results are summarized below, with results presented in tabular format compared to TOGS 1.1.1 Groundwater Aquifer guidance values / standards in the Tables section of this report . A copy of the laboratory analytical report is not attached due to volume and copy to NYSDEC.

VOC (Groundwater)

One to five method target analytes (without laboratory qualifiers) were identified in samples secured from MW 2, MW 6, MW 7, MW 8, MW 9, MW 10, MW 11 and MW 12. Of these wells, concentrations were reported above TOGS 1.1.1 guidance values for samples from six of these wells; MW 6 (chloroform), MW 7 (tetrochloroethene), MW 9 (trichloroethene), MW 10 (cis-1,2-Dichloroethene, trichloroethene), MW 8 (trans-1,2- Dichloroethene, 1,1 Dichloroethene, tricholoethene and benzene) and MW 2 (cis-1,2-Dichloroethene, trans-1,2- Dichloroethene, and trichloroethene). Results are summarized in tabular format in Table 5A.

NATURE'S WAY
ENVIRONMENTAL
Consultants & Contractors, Inc.

3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

Subsurface Investigation Report
Duofold Corporation
NYSDEC Site#622030

SVOC (Groundwater)
Method target analytes were not detected in the MW 1, MW 2, MW 5, or MW 6 samples. One to three analytes were identified in the remaining samples, with all but 2,6-dinotrotoluene at a concentration of 6.4 in the MW 12 sample identified with laboratory qualifiers. Results are summarized in tabular format in Table 5B.

PCB (Groundwater)
PCBs were not identified in any of the groundwater samples. Results are summarized in tabular format in Table 5C.

Pesticides (Groundwater)
Pesticides were not reported for samples from eleven of the twelve wells. Chlordane (alpha) at 0.016JB ppb and gamma-chlordane at 0.027P ppb were identified in the MW 7 groundwater sample, both of which do not have established TOGS 1.1.1 guidance values / standards. Results are summarized in tabular format in Table 5C.

Metals (Groundwater)
Numerous metals were reported above the TOGS 1.1.1 GA guidance values / standards in samples secured from each well location. More specifically, metal concentrations reported for groundwater samples from all twelve wells exceeded respective TOGS 1.1.1 GA values for Arsenic, Chromium, Lead, Manganese, Nickel and Magnesium. Beryllium and Copper were also identified above TOGS 1.1.1 in all wells, with the exceptions of MW 1. Barium was identified above TOGS 1.1.1 in all but MW 1 and MW 5. Cadmium was identified above TOGS 1.1.1 in the MW 3, MW 4, MW 6 and MW 8 samples. Zinc and Iron were also reported above TOGS 1.1.1 in numerous samples, however all concentrations were flagged with the laboratory qualifier of B (detected in the method blank). Mercury exceeded TOGS 1.1.1 in MW2, MW3, MW4, MW6, MW7, MW8, MW9 and MW10. Antimony was reported at concentrations exceeding TOGS 1.1.1 GA guidance values in all samples for which it was reported (MW3, MW4, MW 6, MW 7, MW 8, MW 9, MW 10, MW 11 and MW 12). Sodium was identified in all twelve groundwater samples, with results for only MW 3 and MW 5 below the TOGS 1.1.1 GA standard. Results are summarized in tabular format in Table 5D.

Disposal
A total of six (6) drums of soil, one (1) drum containing decon pad/materials and four (4) drums of decon / purged groundwater are staged on-site within 55 gallon drums (placed within a plastic lined berm) pending additional disposal approval.

Respectfully Submitted,

Dale M Gramza
Manager of Geologic Services

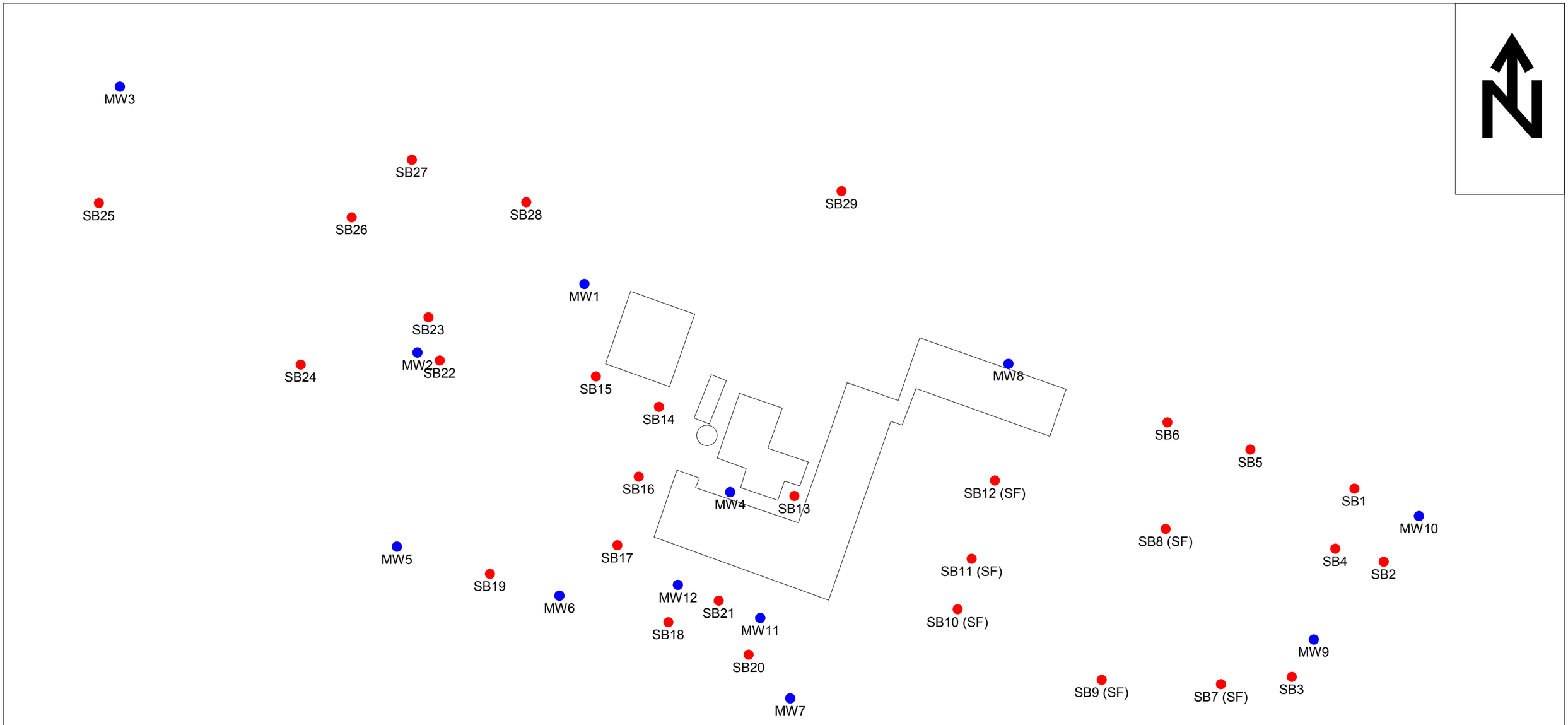
NATURE'S WAY
ENVIRONMENTAL
Consultants & Contractors, Inc.

3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

Subsurface Investigation Report
Duofold Corporation
NYSDEC Site#622030
7 Spruce Street
Ilion, NY

Figures

1. Soil Boring Location Map
2. Groundwater Flow 10/14/14 Map
3. Cross Section Reference Map



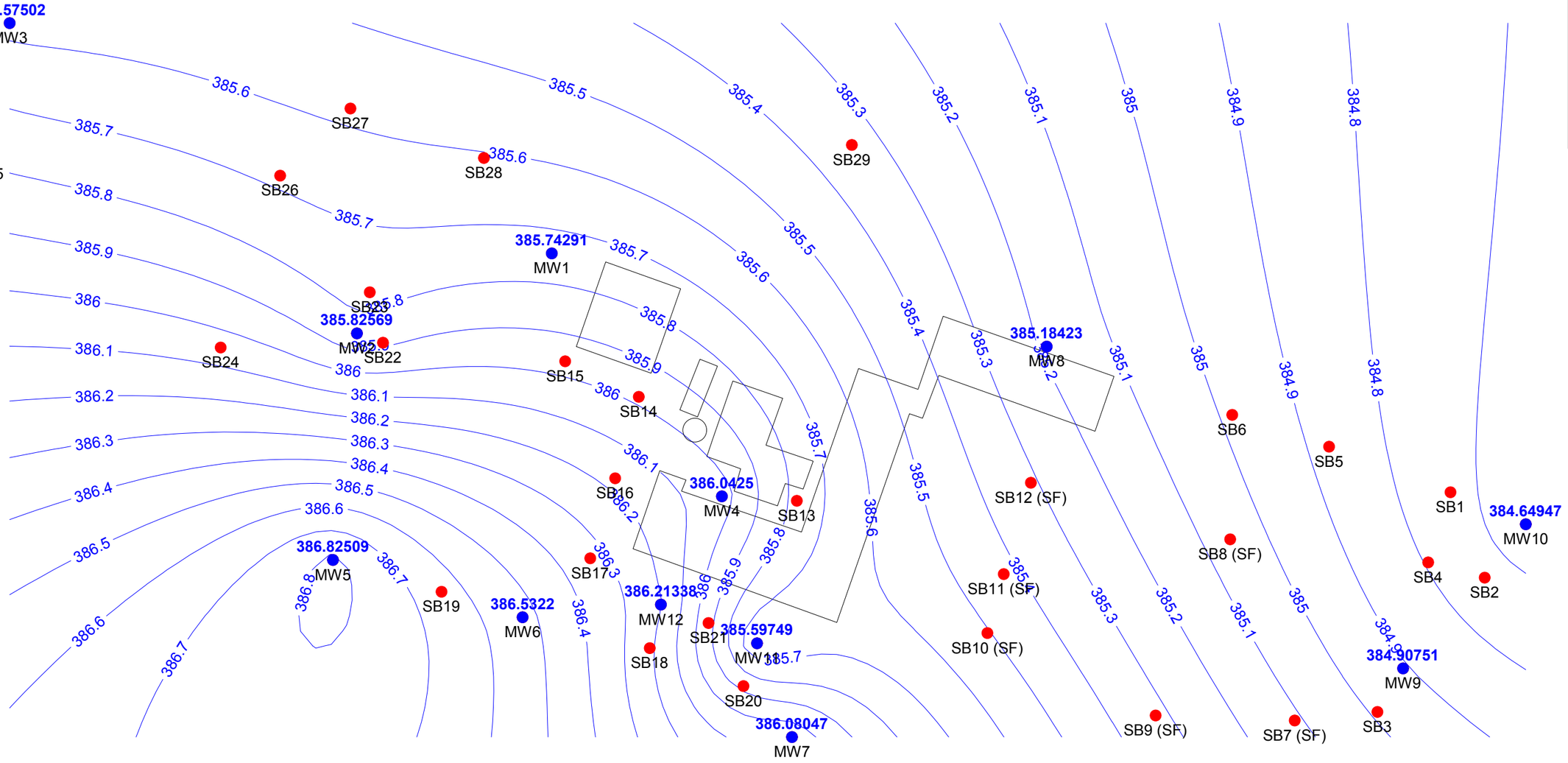
Boring Location

Monitoring Well Location

0 100 200 300 400

Figure 1 Soil Boring / Monitoring Well Location Map

Duofold Corporation
NYSDEC Site #622030
7 Spruce Street, Herkimer, NY



Groundwater Elevation

Boring Location

Monitoring Well Location

0 100 200 300 400

Figure 2 Groundwater Flow 10/14/14

Duofold Corporation
NYSDEC Site #622030
7 Spruce Street, Herkimer, NY

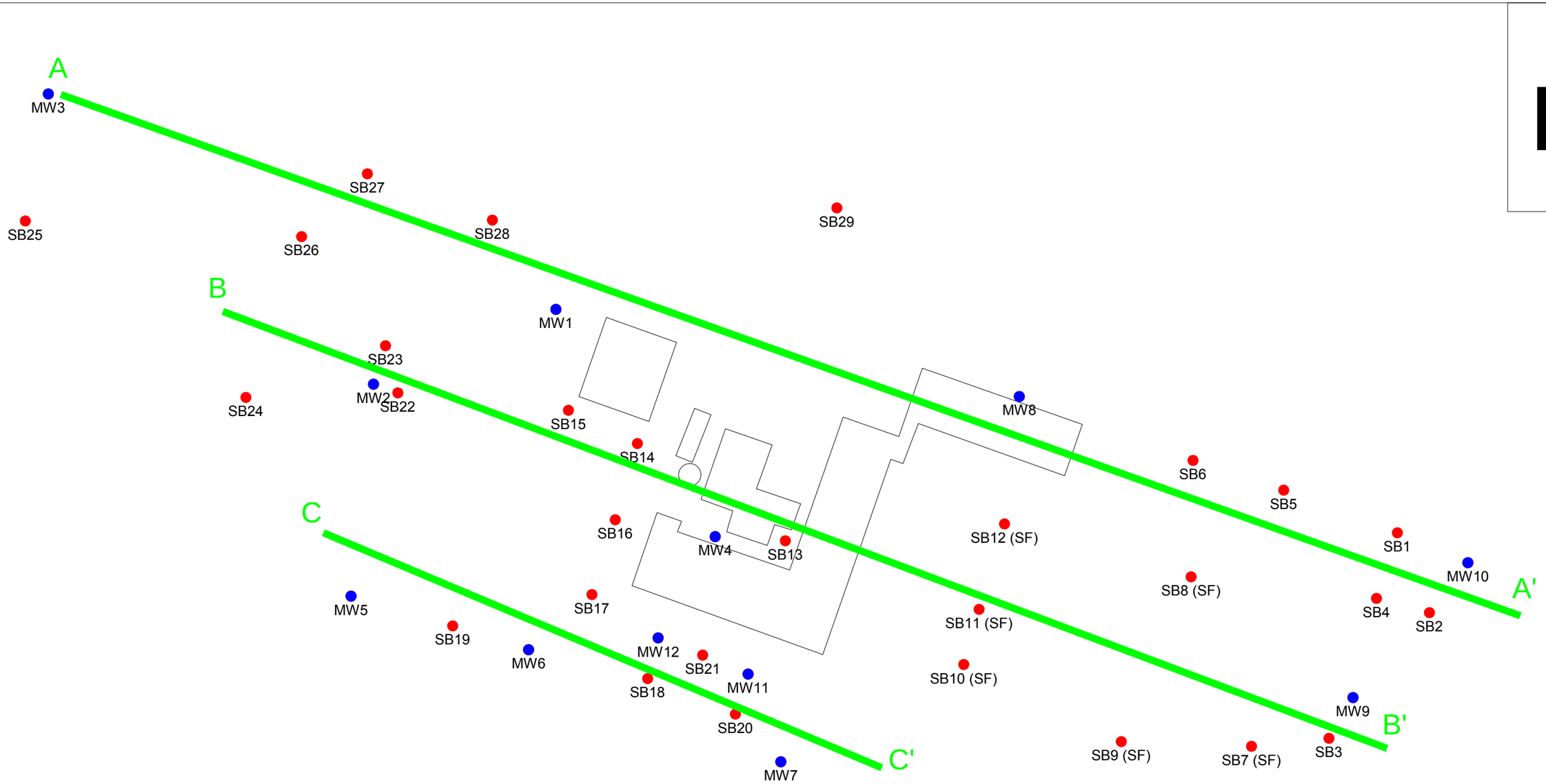


Figure 3 Soil Boring / Monitoring Well Cross Section

Duofold Corporation

NYSDEC Site # 622030

7 Spruce Street, Herkimer, NY

NATURE'S WAY
ENVIRONMENTAL
Consultants & Contractors, Inc.

3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

Subsurface Investigation Report
Duofold Corporation
NYSDEC Site#622030
7 Spruce Street
Ilion, NY

Tables

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

PCBs/Pesticides

Contaminant	SB 1 SS 0.5'-2.0'	SB 2 SS 0.5'-2.0'	SB 3 SS 0.5'-2.0'	SB 4 SS 0.5'-2.0'	SB 5 SS 0.5'-2.0'	SB 6 SS 0.5'-2.0'	SB 7 SS 0.6'-2.0'	SB 8 SS 0.6'-2.0'	SB 9 SS 0.6'-2.0'	SB 10 SS 0.5'-2.0'	SB 11 SS 0.5'-2.0'	SB 12 SS	SB 13 SS 0.5'-2.0'	SB 14 SS 0.5'-2.0'	SB 15 SS	SB 16 SS 0.5'-2.0'	SB 17 SS 0.6'-2.0'	SB 18 SS 0.6'-2.0'	SB 19 SS 0.6'-2.0'	SB 20 SS 0.5'-2.0'	SB 21 0.5'-2.0'	SB 22 0.5'-2.0'	SB 23 0.5'-2.0'	SB 24 0.5'-2.0'	SB 25 0.5'-2.0'	SB 26 0.5'-2.0'	SB 27 0.5'-2.0'	SB 28 0.5'-2.0'	SB 29 0.5'-2.0'	Table 375-6.8(b): Restricted Use Soil Cleanup Objectives: Protection of Public Health: Commercial	Protection of Public Health: Industrial	Protection of Groundwater
4,4'-DDE	<19 F1	<8.7 F1	<19 F1	<19 F1	<94 F1	<1.8 F1	<2.0 F1	<38 F1	<40 F1	<39 F1	<19 F1	<100 F1	<9.9 F1	4.8 JF1	<38 F1	<2.1 F1	<38 F1	<1.9 F1	0.89 JF1	<18 F1	<20	<11	<95	<11	<39	<19	<3.9	<9.2	<2.1	62,000	120,000	17,000
4,4'-DDT	12 JB	5.8 JB	10 JB	16 JB	110 B	4.1 B	1.3 JB	23 JB	41 B	28 JB	11 JB	58 JB	5.7 JB	17 JB	41 B	1.3 JB	24 JB	0.92 JB	3.9 B	11 JB	<20	5.0 J	26 J	<11	<39	4.4 J	<3.9	<9.2	0.66 J	47,000	94,000	136,000
4,4'-DDD	<19 F1	<8.7 F1	<19 F1	<19 F1	45 JF1	1.4 JF1	<2.0 F1	<38 F1	8.8 JF1	<39 F1	<19 F1	<100 F1	<9.9 F1	<19 F1	<38 F1	<2.1 F1	<38 F1	<1.9 F1	<3.6 F1	<18 F1	<20	<11	<95 J	<11	<39	<19	<3.9	<9.2	<2.1	92,000	180,000	14,000
Aldrin	<19 F1	<8.7 F1	<19 F1	<19 F1	<94 F1	<1.8 F1	<2.0 F1	<38 F1	<40 F1	<39 F1	<19 F1	<100 F1	<9.9 F1	<19 F1	<38 F1	<2.1 F1	<38 F1	<1.9 F1	<3.6 F1	<18 F1	<20	<11	<95 J	<11	<39	<19	<3.9	<9.2	<2.1	680	1,400	190
alpha-BHC	<19	<8.7	<19	<19	<94	<1.8	<2.0	<38	<40	<39	<19	<100	<9.9	<19	<38	<2.1	<38	<1.9	1.4 J	<18	<20	<11	<95 J	<11	11 J	<19	<3.9	<9.2	<2.1	3,400	6,800	20
beta-BHC	<19	<8.7	<19	<19	<94	<1.8	<2.0	<38	<40	<39	<19	<100	<9.9	<19	<38	<2.1	<38	<1.9	<3.6	<18	<20	<11	<95 J	<11	<39	<19	<3.9	<9.2	<2.1	3,000	14,000	90
Chlordane (alpha)	<19	<8.7	<19	<19	<94	<1.8	<2.0	<38	<40	<39	<19	<100	<9.9	<19	<38	<2.1	<38	<1.9	4	<18	<20	<11	<95 J	<11	<39	<19	<3.9	<9.2	<2.1	24,000	47,000	2,900
delta-BHC	<19	<8.7	<19	<19	<94	<1.8	<2.0	<38	11 J	<39	<19	<100	<9.9	<19	<38	<2.1	<38	<1.9	0.99 J	<18	<20	<11	<95 J	<11	<39	<19	<3.9	<9.2	<2.1	500,000[b]	1,000,000[c]	250
Dibenzofuran	88 J	140	250	110	27 J	<54	200	200	8900 J	1100 J	49 J	350 J	29 J	1200	290	51 J	340	<56	11 J	70	260	42 J	980 J	36 J	310	59	15 J	92	15 J	350,000	1,000,000[c]	210,000
Dieldrin	<19	<8.7	<19	<19	<94	<1.8	<2.0	<38	<40	<39	<19	<100	<9.9	<19	<38	<2.1	<38	<1.9	<3.6	<18	<20	<11	<95 J	<11	<39	<19	<3.9	<9.2	<2.1	1,400	2,800	100
Endosulfan I	<19 F1	<8.7 F1	<19 F1	<19 F1	<94 F1	<1.8 F1	<2.0 F1	<38 F1	<40 F1	<39 F1	<19 F1	<100 F1	<9.9 F1	<19 F1	<38 F1	<2.1 F1	<38 F1	<1.9 F1	<3.6 F1	<18 F1	<20 F1	11 f1	<95 F1	<11 F1	<39	<19	<3.9	<9.2	<2.1	200,000[f]	920,000[f]	102,000
Endosulfan II	<19 F1	<8.7 F1	<19 F1	<19 F1	<94 F1	<1.8 F1	<2.0 F1	<38 F1	<40 F1	<39 F1	<19 F1	<100 F1	<9.9 F1	<19 F1	<38 F1	<2.1F	<38 F1	<1.9 F1	<3.6 F1	<18 F1	<20	<11	<95 J	<11	<39	<19	<3.9	<9.2	<2.1	200,000[f]	920,000[f]	102,000
Endosulfan sulfate	<19	<8.7	<19	<19	<94	0.38 J	0.45 J	<38	21 J	<39	<19	<100	<9.9	<19	<38	<2.1	<38	<1.9	<3.6	<18	<20	<11	53 J	<11	<39	<19	<3.9	<9.2	<2.1	200,000[f]	920,000[f]	1,000,000[c]
Endrin	<19 F1	<8.7 F1	<19 F1	<19 F1	<94 F1	<1.8 F1	<2.0 F1	<38 F1	<40 F1	<39 F1	<19 F1	<100 F1	<9.9 F1	<19 F1	<38 F1	<2.1 F1	<38 F1	<1.9 F1	<3.6 F1	<18 F1	<20	<11	<95 J	<11	<39	<19	<3.9	<9.2	<2.1	89,000	410,000	60
Heptachlor	<19	<8.7	<19	<19	<94	<1.8	<2.0	<38	<40	<39	<19	<100	<9.9	<19	<38	<2.1	<38	<1.9	<3.6	<18	<20	<11	<95 J	<11	<39	<19	<3.9	<9.2	<2.1	15,000	29,000	380
Lindane	<19	2.0 J	<19	<19	<94	<1.8	<2.0	<38	9.7 J	10 J	<19	<100	<9.9	<19	<38	<2.1	<38	<1.9	0.77 J	<18	4.0 J	2.2 J	<95 J	<11	10 J	4.5 J	0.89 J	<9.2	0.52 J	9,200	23,000	100
Polychlorinated biphenyls	<0.26	<2.0	<0.25	0.19 J	0.4	<0.19	<0.23	<0.25	<0.25	<0.24	<0.21	<0.30	<0.29	<0.28	0.84	<0.27	<0.19	<0.24	<0.23	<0.25	<0.27	<0.28	<0.25	<0.27	<0.20	<0.24	<0.28	<0.23	<0.28	1	25	3
Endrin aldehyde									29 J																					NS	NS	NS
Endrin ketone	10 J							12 J	100	30 J	5.3 J								2.3 J	5.8 J	9.6 J		150						1.6 J	NS	NS	NS
gamma-Chlrdane																			3.0 JF1								2.0 J		1.6 J	NS	NS	NS
Heptachlor epoxide																														NS	NS	NS
Methoxychlor	10 JF1	4.9 JF1			39 JF1	0.92 JF1	1.0 JF1	24 JF1	50 F1	26 JF1	9.2 JF1	49 JF1	4.0 JF1	6.5 JF1	20 JF1	0.76 JF1	14 JF1			15 JF1			55 J							NS	NS	NS
Toxaphene																														NS	NS	NS

Soil cleanup objectives (SCOs) for Pesticides are in parts per billion (ppb). Soil cleanup objectives (SCOs) for Polychlorinated biphenyls are in parts per million (ppm). NS=Not specified. See Technical Support Document (TSD). Footnotes

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[c] The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm. See TSD section 9.3.

[f] This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.

F1 MS and/or MSD Recovery exceeds the control limits

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

** LCS or LCSD exceeds the control limits

E Result exceeded calibration range

NA Sample was not analyzed due to lack of sample volume

Laboratory Detection Limit is above the value for Protection of Ground Water, therefore even though result is below Laboratory Detection Limits, it cannot be determined whether is is above the Protection of Groundwater Standard.

TABLE 1A

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

PCBs/Pesticides

Contaminant	MW 1 0.5'-2.0'	MW 1 3.5'-5.5'	MW 1 8.5'-10.5'	MW 1 13.5'-17.5'	MW 2 0.0'-2.0'	MW 2 6.0'-8.0'	MW 2 9.0'-11.0'	MW 2 14'-16'	MW 3 0.0'-2.0'	MW 3 4.0'-6.0'	MW 3 9.0'-11.0'	MW 3 14.0'-16.0'	MW 4 0.0'-2.0'	MW 4 4.0'-6.0'	MW 4 9.0'-11.0'	MW 4 14.0'-16.0'	MW 5 0.6'-2.0'	MW 5 6.0'-8.0'	MW 5 9.0'-11.0'	MW 5 14.0'-16.0'	Table 375-6.8(b): Restricted Use Soil Cleanup Objectives		
																					Protection of Public Health		Protection of Groundwater
																					Commercial	Industrial	
4,4'-DDE	<46	<2.4	<2.0	<2.2	3.9	<2.0	<2.2	<1.9	<2.0	<2.5	<2.0	<2.0	<38	<2.0	<2.2	<1.9	2.4 J	<2.2	0.48 J	<2.1	62,000	120,000	17,000
4,4'-DDT	13 J	<2.4	<2.0	<2.2	<3.6	<2.0	<2.2	<1.9	<2.0	<2.5	<2.0	<2.0	<38	<2.0	<2.2	1.3 JB	<10	<2.2	<2.1	<2.1	47,000	94,000	136,000
4,4'-DDD	<46	<2.4	<2.0	<2.2	<3.6	<2.0	<2.2	<1.9	<2.0	<2.5	<2.0	<2.0	<38	<2.0	<2.2	<1.9	<10	<2.2	<2.1	<2.1	92,000	180,000	14,000
Aldrin	<46	<2.4	<2.0	<2.2	<3.6	<2.0	<2.2	<1.9	<2.0	<2.5	<2.0	<2.0	<38	<2.0	<2.2	<1.9	<10	<2.2	<2.1	<2.1	680	1,400	190
alpha-BHC	<46	<2.4	<2.0	<2.2	<3.6	<2.0	<2.2	<1.9	<2.0	<2.5	<2.0	<2.0	<38	<2.0	<2.2	<1.9	370 EB**	490 EB**	350 EB**	470 EB**	3,400	6,800	20
beta-BHC	<46	<2.4	<2.0	<2.2	<3.6	<2.0	<2.2	<1.9	<2.0	<2.5	<2.0	<2.0	<38	<2.0	<2.2	<1.9	35 B**	130 EB**	58 B**	110 EB**	3,000	14,000	90
Chlordane (alpha)	<46	<2.4	<2.0	<2.2	<3.6	<2.0	<2.2	<1.9	<2.0	<2.5	<2.0	<2.0	<38	<2.0	<2.2	<1.9	<10	<2.2	<2.1	<2.1	24,000	47,000	2,900
delta-BHC	<46	<2.4	<2.0	<2.2	<3.6	<2.0	<2.2	<1.9	<2.0	<2.5	<2.0	<2.0	<38	<2.0	<2.2	<1.9	<10**	27 B**	4.1 B**	23 B**	500,000[b]	1,000,000[c]	250
Dibenzofuran	160	<72	<61	<67	160 J	<61	<69	<58	15 J	<76	<63	<62	350	<61	<66	<58	23 J	<66	<64	<62	350,000	1,000,000[c]	210,000
Dieldrin	<46	<2.4	<2.0	<2.2	9.4	<2.0	<2.2	<1.9	<2.0	<2.5	<2.0	<2.0	<38	<2.0	<2.2	<1.9	<10	<2.2	<2.1	<2.1	1,400	2,800	100
Endosulfan I	<46	<2.4	<2.0	<2.2	<3.6	<2.0	<2.2	<1.9	<2.0	<2.5	<2.0	<2.0	<38	<2.0	<2.2	<1.9	<10	<2.2	<2.1	<2.1	200,000[f]	920,000[f]	102,000
Endosulfan II	<46	<2.4	<2.0	<2.2	1.5 JB	<2.0	<2.2	<1.9	<2.0	<2.5	<2.0	<2.0	<38	<2.0	<2.2	<1.9	<10	<2.2	<2.1	<2.1	200,000[f]	920,000[f]	102,000
Endosulfan sulfate	<46	<2.4	<2.0	<2.2	<3.6	<2.0	<2.2	<1.9	<2.0	<2.5	<2.0	<2.0	<38	<2.0	<2.2	<1.9	<10	<2.2	<2.1	<2.1	200,000[f]	920,000[f]	1,000,000[c]
Endrin	<46	<2.4	<2.0	<2.2	<3.6	<2.0	<2.2	<1.9	<2.0	<2.5	<2.0	<2.0	<38	<2.0	<2.2	<1.9	<10	<2.2	<2.1	<2.1	89,000	410,000	60
Heptachlor	<46	<2.4	<2.0	<2.2	<3.6	<2.0	<2.2	<1.9	<2.0	<2.5	<2.0	<2.0	<38	<2.0	<2.2	<1.9	<10**	6.3 **	<2.1**	3.8 **	15,000	29,000	380
Lindane	<46	<2.4	<2.0	<2.2	0.91 J	<2.0	<2.2	<1.9	0.45 J	<2.5	<2.0	<2.0	10 J	<2.0	<2.2	<1.9	15 B**	99 EB**	13 B**	48 B**	9,200	23,000	100
Polychlorinated biphenyls	<0.27	<0.28	<0.22	<0.29	0.73	<0.21	<0.26	<0.25	<0.25	<0.36	<0.25	<0.29	<0.24	<0.20	<0.30	<0.25	<0.25	<0.28	<0.25	<0.28	1	25	3
Endrin aldehyde					10**																NS	NS	NS
Endrin ketone																					NS	NS	NS
gamma-Chlrdane					4.2				1.5 J												NS	NS	NS
Heptachlor epoxide					1.7 J																NS	NS	NS
Methoxychlor																					NS	NS	NS
Toxaphene																					NS	NS	NS

Soil cleanup objectives (SCOs) for Pesticides are in parts per billion (ppb). Soil cleanup objectives (SCOs) for Polychlorinated biphenyls are in parts per million (ppm). NS=Not specified. See Technical Support Document (TSD). Footnotes

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[c] The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm. See TSD section 9.3.

[f] This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.

F1 MS and/or MSD Recovery exceeds the control limits
B Compound was found in the blank and sample.
J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
****** LCS or LCSD exceeds the control limits
E Result exceeded calibration range.
NA Sample was not analyzed due to lack of sample volume.
Laboratory Detection Limit is above the value for Protection of Ground Water, therefore even though result is below Laboratory Detection Limits, it cannot be determined whether is is above the Protection of Groundwater Standard

TABLE 1B

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

PCBs/Pesticides

Contaminant	MW 6 0.5'-2.0'	MW 6 4.0'-6.6'	MW 7 0.5'-2.0'	MW 7 4.0'-6.0'	MW 7 9.0'-11.0'	MW 7 12'-14'	MW 8 0.5'-1.5'	MW 8 4.0'-6.0'	MW 8 9.0'-11.0'	MW 8 12.0'-14.0'	MW 9 0.5'-2.0'	MW 9 4.0'-6.0'	MW 9 9.0'-11.0'	MW 9 14.0'-16.0'	MW 10 0.5'-2.0'	MW 10 4.0'-6.0'	MW 10 9.0'-11.0'	MW 10 13.0'-15.0'	Table 375-6.8(b): Restricted Use Soil Cleanup Objectives		
																			Protection of Public Health		Protection of Groundwater
																			Commercial	Industrial	
4,4'-DDE	23 J	0.64 J	<34	NA	NA	<2.0	0.46 J	<22	NA	<1.9	<91	2.6 J	<2.3	NA	<19	<2.4	NA	<1.9	62,000	120,000	17,000
4,4'-DDT	<87	0.87 J	<34	NA	NA	<2.0	<1.8	<22	NA	<1.9	<91	<9.8	<2.3	NA	<19	<2.4	NA	0.51 JB	47,000	94,000	136,000
4,4'-DDD	<87	<1.9	<34	NA	NA	<2.0	<1.8	<22	NA	<1.9	<91	<9.8	<2.3	NA	<19	<2.4	NA	<1.9	92,000	180,000	14,000
Aldrin	<87	<1.9	<34	NA	NA	<2.0	<1.8	<22	NA	<1.9	<91	<9.8	<2.3	NA	<19	<2.4	NA	<1.9	680	1,400	190
alpha-BHC	360 B**	230 EB**	410 B**	NA	NA	370 EB**	320 EB**	800 EB**	NA	490 EB**	380 B**	360 EB**	530 EB**	NA	380 B**	590 EB**	NA	4.7 B	3,400	6,800	20
beta-BHC	43 JB**	26 B**	65 B**	NA	NA	56 B**	49 B**	1100 EB**	NA	130 EB**	62 JB	150 B**	92 EB**	NA	44 B**	150 EB**	NA	<1.9	3,000	14,000	90
Chlordane (alpha)	<87	<1.9	<34	NA	NA	<2.0	<1.8	<22	NA	<1.9	<91	<9.8	<2.3	NA	<19	<2.4	NA	<1.9	24,000	47,000	2,900
delta-BHC	<87 **	2.0 B**	<34 **	NA	NA	4.0 B**	2.0 B**	<22 **	NA	55 B**	<91 **	90 B*	6.3 B**	NA	15 JB	51 B**	NA	<1.9	500,000[b]	1,000,000[c]	250
Dibenzofuran	57 J	<59	51 J	NA	NA	<61	3.8 J	<67	NA	<58	230	140	<69	NA	31 J	<2.4	NA	<58	350,000	1,000,000[c]	210,000
Dieldrin	<87	<1.9	<34	NA	NA	<2.0	<1.8	<22	NA	<1.9	<91	<9.8	<2.3	NA	<19	<2.4	NA	<1.9	1,400	2,800	100
Endosulfan I	<87	<1.9	<34	NA	NA	<2.0	<1.8	<22	NA	<1.9	<91	<9.8	<2.3	NA	<19	<2.4	NA	<1.9	200,000[i]	920,000[i]	102,000
Endosulfan II	<87	<1.9	<34	NA	NA	<2.0	<1.8	<22	NA	<1.9	<91	<9.8	<2.3	NA	<19	<2.4	NA	<1.9	200,000[i]	920,000[i]	102,000
Endosulfan sulfate	<87	<1.9	<34	NA	NA	<2.0	<1.8	<22	NA	<1.9	<91	<9.8	<2.3	NA	<19	<2.4	NA	<1.9	200,000[i]	920,000[i]	1,000,000[c]
Endrin	<87	<1.9	<34	NA	NA	<2.0	<1.8	<22	NA	<1.9	<91	<9.8	<2.3	NA	<19	<2.4	NA	<1.9	89,000	410,000	60
Heptachlor	<87 **	0.45 JB**	<34 **	NA	NA	1.2 J**	1.1 J**	<22 **	NA	5.0 **	<91 **	<9.8 **	<2.3 **	NA	<19 **	7.0 **	NA	<1.9	15,000	29,000	380
Lindane	33 JB**	8.2 B**	18 JB**	NA	NA	21 B**	9.7 B**	<22 **	NA	130 EB**	29 JB	110 B**	19 B**	NA	41 B**	160 EB**	NA	<1.9	9,200	23,000	100
Polychlorinated biphenyls	<0.24	<0.27	<0.24	NA	NA	<0.24	0.19	<0.29	NA	<0.24	0.47 J	<0.22	<0.31	NA	<0.27	<0.33	NA	<0.27	1	25	3
Endrin aldehyde																			NS	NS	NS
Endrin ketone																			NS	NS	NS
gamma-Chlordane																			NS	NS	NS
Heptachlor epoxide																			NS	NS	NS
Methoxychlor		0.78 J																0.65 J	NS	NS	NS
Toxaphene																			NS	NS	NS

Soil cleanup objectives (SCOs) for Pesticides are in parts per billion (ppb). Soil cleanup objectives (SCOs) for Polychlorinated biphenyls are in parts per million (ppm). NS=Not specified. See Technical Support Document (TSD). Footnotes

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[c] The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm. See TSD section 9.3.

[i] This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.

F1 MS and/or MSD Recovery exceeds the control limits
B Compound was found in the blank and sample.
J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
****** LCS or LCSD exceeds the control limits
E Result exceeded calibration range
NA Sample was not analyzed due to lack of sample volume
Laboratory Detection Limit is above the value for Protection of Ground Water, therefore even though result is below Laboratory Detection Limits, it cannot be determined whether is is above the Protection of Groundwater Standard

TABLE 1C

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

PCBs/Pesticides

Contaminant	MW 11 0.5'-2.0'	MW 11 4.0'-6.0'	MW 11 9.0'-11.0'	MW 11 13.0'-15.0'	MW 12 0.5'-2.0'	MW 12 4.0'-6.0'	MW 12 9.0'-11.0'	MW 12 13.0'-15.0'	MW 12 18.0'-20.0'	Table 375-6.8(b): Restricted Use Soil Cleanup Objectives		
										Protection of Public Health		Protection of Groundwater
										Commercial	Industrial	
4,4'-DDE	10 J	0.57 J	<2.0	<2.0	<38	<10	NA	NA	NA	62,000	120,000	17,000
4,4'-DDT	36 J	<1.9	<2.0	0.55 JB	<38	<10	NA	NA	NA	47,000	94,000	136,000
4,4'-DDD	<48	<1.9	<2.0	<2.0	<38	<10	NA	NA	NA	92,000	180,000	14,000
Aldrin	<48	<1.9	<2.0	<2.0	<38	<10	NA	NA	NA	680	1,400	190
alpha-BHC	590 B*	390 EB*	140 EB*	3.7 B	470 B*	2000 EB*	NA	NA	NA	3,400	6,800	20
beta-BHC	43 JB*	52 B*	16 B*	4.0 B	50 B*	340 EB*	NA	NA	NA	3,000	14,000	90
Chlordane (alpha)	<48	<1.9	<2.0	<2.0	<38	<10	NA	NA	NA	24,000	47,000	2,900
delta-BHC	19 J	8.2	3.1	<2.0	<38	20	NA	NA	NA	500,000[b]	1,000,000[c]	250
Dibenzofuran	220 J	14 J	<60	<59	80	<63	NA	NA	NA	350,000	1,000,000[c]	210,000
Dieldrin	<48	<1.9	<2.0	<2.0	<38	<10	NA	NA	NA	1,400	2,800	100
Endosulfan I	<48	<1.9	<2.0	<2.0	<38	<10	NA	NA	NA	200,000[i]	920,000[i]	102,000
Endosulfan II	<48	<1.9	<2.0	<2.0	<38	<10	NA	NA	NA	200,000[i]	920,000[i]	102,000
Endosulfan sulfate	<48	<1.9	<2.0	<2.0	<38	<10	NA	NA	NA	200,000[i]	920,000[i]	1,000,000[c]
Endrin	91	<1.9	<2.0	<2.0	<38	<10	NA	NA	NA	89,000	410,000	60
Heptachlor	<48	<1.9	<2.0	<2.0	<38	<10	NA	NA	NA	15,000	29,000	380
Lindane	45 JB*	26 B*	13 B*	<2.0	24 JB*	77 B*	NA	NA	NA	9,200	23,000	100
Polychlorinated biphenyls	<0.35	<0.21	<0.22	<0.27	<0.28	<0.30	NA	NA	NA	1	25	3
Endrin aldehyde										NS	NS	NS
Endrin ketone										NS	NS	NS
gamma-Chlrdane										NS	NS	NS
Heptachlor epoxide										NS	NS	NS
Methoxychlor				0.60 J						NS	NS	NS
Toxaphene										NS	NS	NS

Soil cleanup objectives (SCOs) for Pesticides are in parts per billion (ppb). Soil cleanup objectives (SCOs) for Polychlorinated biphenyls are in parts per million (ppm). NS=Not specified. See Technical Support Document (TSD). Footnotes

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3

[c] The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm. See TSD section 9.3

[i] This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate

F1 MS and/or MSD Recovery exceeds the control limits
B Compound was found in the blank and sample.
J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
** LCS or LCSD exceeds the control limits
E Result exceeded calibration range
NA Sample was not analyzed due to lack of sample volume.

TABLE 1D

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

Volatiles

Contaminant	SB 1 SS 0.5'-2.0'	SB 2 SS 0.5'-2.0'	SB 3 SS 0.5'-2.0'	SB 4 SS 0.5'-2.0'	SB 5 SS 0.5'-2.0'	SB 6 SS 0.5'-2.0'	SB 7 SS 0.5'-2.0'	SB 8 SS 0.5'-2.0'	SB 9 SS 0.5'-2.0'	SB 10 SS 0.5'-2.0'	SB 11 SS 0.5'-2.0'	SB 12 SS	SB 13 SS 0.5'-2.0'	SB 14 SS 0.5'-2.0'	SB 15 SS	SB 16 SS 0.5'-2.0'	SB 17 SS 0.5'-2.0'	SB 18 SS 0.5'-2.0'	SB 19 SS 0.5'-2.0'	SB 20 SS 0.5'-2.0'	SB 21 0.5'-2.0'	SB 22 0.5'-2.0'	SB 23 0.5'-2.0'	SB 24 0.5'-2.0'	SB 25 0.5'-2.0'	SB 26 0.5'-2.0'	SB 27 0.5'-2.0'	SB 28 0.5'-2.0'	SB 29 0.5'-2.0'	Table 375-6.8(b): Restricted Use Soil Cleanup Objectives: Protection of Public Health: Commercial	Protection of Public Health: Industrial	Protection of Groundwater
1,1,1-Trichloroethane	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	<5.9	<5.9	<5.9	<6.1	<5.9	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	<6.4	<5.6	<6.6	<5.6	<5.5	<5.7	<5.4	<6.2	500,000[b]	1,000,000[c]	680
1,1-Dichloroethane	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	<5.9	<5.9	<5.9	<6.1	<5.9	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	<6.4	<5.6	<6.6	<5.6	<5.5	<5.7	<5.4	<6.2	240,000	480,000	270
1,1-Dichloroethene	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	<5.9	<5.9	<5.9	<6.1	<5.9	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	<6.4	<5.6	<6.6	<5.6	<5.5	<5.7	<5.4	<6.2	500,000[b]	1,000,000[c]	330
1,2-Dichloroethane	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	<5.9	<5.9	<5.9	<6.1	<5.9	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	<6.4	<5.6	<6.6	<5.6	<5.5	<5.7	<5.4	<6.2	30,000	60,000	20[r]
cis-1,2-Dichloroethene	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	2.2 J	<5.9	<5.9	<5.9	<6.1	<5.9	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	10	0.87 J	<6.6	<5.6	<5.5	<5.7	<5.4	<6.2	500,000[b]	1,000,000[c]	250
trans-1,2-Dichloroethene	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	<5.9	<5.9	<5.9	<6.1	<5.9	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	<6.4	<5.6	<6.6	<5.6	<5.5	<5.7	<5.4	<6.2	500,000[b]	1,000,000[c]	190
1,4-Dichlorobenzene	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	<5.9	<5.9	<5.9	<6.1	<5.9	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	<6.4	<5.6	<6.6	<5.6	<5.5	<5.7	<5.4	<6.2	130,000	250,000	1,800
Acetone	<29	<26	<28	<28	<26	<27	<30	14 J	<29	<30	<29	<31	<30	<28	<28	<31	<27	<27	<27	<27	<29	160	<28	<33	<22	<22	<23	<21	<25	500,000[b]	1,000,000[c]	50
Benzene	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	0.63 J	<5.9	<5.9	<6.1	<5.9	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	<6.4	<5.6	<6.6	<5.6	<5.5	<5.7	<5.4	<6.2	44,000	89,000	60
Carbon tetrachloride	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	<5.9	<5.9	<5.9	<6.1	<5.9	2.7 J	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	<6.4	<5.6	<6.6	<5.6	<5.5	<5.7	<5.4	<6.2	22,000	44,000	760
Chlorobenzene	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	<5.9	<5.9	<5.9	<6.1	<5.9	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	<6.4	<5.6	<6.6	<5.6	<5.5	<5.7	<5.4	<6.2	500,000[b]	1,000,000[c]	1,100
Chloroform	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	<5.9	<5.9	<5.9	<6.1	0.80 J	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	<6.4	<5.6	<6.6	<5.6	<5.5	<5.7	<5.4	<6.2	350,000	700,000	370
Ethylbenzene	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	<5.9	<5.9	<5.9	<6.1	<5.9	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	<6.4	<5.6	<6.6	<5.6	<5.5	<5.7	<5.4	<6.2	390,000	780,000	1,000
Butanone)	<29	<26	<28	<28	<26	<27	<30	<29	<29	<30	<29	<31	<30	<28	<28	<31	<27	<27	<27	<27	<29	<32	<28	<33	<22	<22	<23	<21	<25	500,000[b]	1,000,000[c]	120
Methyl tert-butyl ether	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	<5.9	<5.9	<5.9	<6.1	<5.9	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	<6.4	<5.6	<6.6	<5.6	<5.5	<5.7	<5.4	<6.2	500,000[b]	1,000,000[c]	930
Methylene chloride	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	<5.9	<5.9	<5.9	<6.1	<5.9	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	<6.4	<5.6	<6.6	4.1	3.2 JB	7.5 B	10 B	2.7 JB	500,000[b]	1,000,000[c]	50
Tetrachloroethene	<5.9	<5.2	10	<5.6	<5.3	<5.5	<5.9	5.5 J	4.5 J	<5.9	<5.9	<6.1	2.8 J	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	38	1.9 J	<6.6	<5.6	<5.5	<5.7	20	<6.2	150,000	300,000	1,300
Toluene	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	<5.9	<5.9	<5.9	<6.1	<5.9	0.68 J	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	2.3 J	<5.6	<6.6	0.54 J	<5.5	<5.7	<5.4	<6.2	500,000[b]	1,000,000[c]	700
Trichloroethene	<5.9	<5.2	4.5 J	<5.6	<5.3	<5.5	<5.9	3.8 J	<5.9	<5.9	<5.9	2.4 J	<5.9	<5.7	140	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	15	6.8	27	<5.6	<5.5	<5.7	<5.4	<6.2	200,000	400,000	470
Vinyl chloride	<5.9	<5.2	<5.6	<5.6	<5.3	<5.5	<5.9	<5.7	<5.9	<5.9	<5.9	<6.1	<5.9	<5.7	<5.6	<6.2	<5.5	<5.5	<5.4	<5.3	<5.8	<6.4	<5.6	<6.6	<5.6	<5.5	<5.7	<5.4	<6.2	13,000	27,000	20
Xylene (mixed)	<12.0	<10	<5.6	<11	<11	<11	<12	<11	<12	<12	<12	<12	<12	<11	<11	<12	<11	<11	<11	<11	<12	<13	<11	<13	<11	<11	<11	<11	<12	500,000[b]	1,000,000[c]	1,600
Carbon disulfide																														NS	NS	NS
1,2,4-Trichlorobenzene																														NS	NS	NS
Cyclohexane																														NS	NS	NS
Methylcyclohexane																									0.49 J					NS	NS	NS

All soil cleanup objectives (SCOs) are in parts per billion (ppb). NS=Not specified. See Technical Support Document (TSD). Footnotes

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[c] The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm. See TSD section 9.3.

[r] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

^ ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

** LCS or LCSD exceeds the control limits

NA Sample was not analyzed due to lack of sample volume.

TABLE 2A

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

Volatiles

Contaminant	MW 1 0.5'-2.0'	MW 1 3.5'-5.5'	MW 1 8.5'-10.5'	MW 1 13.5'-17.5'	MW 2 0.0'-2.0'	MW 2 6.0'-8.0'	MW 2 9.0'-11.0'	MW 2 14'-16'	MW 3 0.0'-2.0'	MW 3 4.0'-6.0'	MW 3 9.0'-11.0'	MW 3 14.0'-16.0'	MW 4 0.0'-2.0'	MW 4 4.0'-6.0'	MW 4 9.0'-11.0'	MW 4 14.0'-16.0'	MW 5 0.6'-2.0'	MW 5 6.0'-8.0'	MW 5 9.0'-11.0'	MW 5 14.0'-16.0'	MW 6 0.5'-2.0'	MW 6 4.0'-6.6'	MW 7 0.5'-2.0'	MW 7 4.0'-6.0'	MW 7 9.0'-11.0'	MW 7 12'-14'	MW 8 0.5'-1.5'	MW 8 4.0'-6.0'	MW 8 9.0'-11.0'	MW 8 12.0'-14.0'	Table 375-6.8(b): Restricted Use Soil Cleanup Objectives: Protection of Public Health: Commercial	Protection of Public Health: Industrial	Protection of Groundwater
1,1,1-Trichloroethane	<6.6	<7.0	<5.7	<6.5	<5.1	<5.9	<6.4	<5.7	<5.6	<7.3	<6.3	<5.9	<5.5	<6.0	<6.0	<5.3	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	<6.2	<5.7	500,000[b]	1,000,000[c]	680
1,1-Dichloroethane	<6.6	<7.0	<5.7	<6.5	<5.1	<5.9	<6.4	<5.7	<5.6	<7.3	<6.3	<5.9	<5.5	<6.0	<6.0	<5.3	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	<6.2	<5.7	240,000	480,000	270
1,1-Dichloroethene	<6.6	<7.0	<5.7	<6.5	<5.1	<5.9	<6.4	<5.7	<5.6	<7.3	<6.3	<5.9	<5.5	<6.0	<6.0	<5.3	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	<6.2	<5.7	500,000[b]	1,000,000[c]	330
1,2-Dichloroethane	<6.6	<7.0	<5.7	<6.5	<5.1	<5.9	<6.4	<5.7	<5.6	<7.3	<6.3	<5.9	<5.5	<6.0	<6.0	<5.3	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	<6.2	<5.7	30,000	60,000	20'
cis-1,2-Dichloroethene	<6.6	<7.0	<5.7	<6.5	0.38 J	5.5 J	110	1.2 J	<5.6	<7.3	<6.3	<5.9	<5.5	<6.0	<6.0	<5.3	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	<6.2	<5.7	500,000[b]	1,000,000[c]	250
trans-1,2-	<6.6	<7.0	<5.7	<6.5	<5.1	<5.9	35	0.57 J	<5.6	<7.3	<6.3	<5.9	<5.5	<6.0	<6.0	<5.3	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	5.9 J	2.8 J	500,000[b]	1,000,000[c]	190
1,4-Dichlorobenzene	<6.6	<7.0	<5.7	<6.5	<5.1	<5.9	<6.4	<5.7	<5.6	<7.3	<6.3	<5.9	<5.5	<6.0	<6.0	<5.3	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	<6.2	<5.7	130,000	250,000	1,800
Acetone	<26	90	<23	<26	<20	<24	<26	<23	<23	<29	<25	<24	<22	<24	<24	<21	7.3 J	<32	10 J	<30	<27	<29	10J	7.7 J	<29	<30	<27	80	30 J	<29	500,000[b]	1,000,000[c]	50
Benzene	<6.6	<7.0	<5.7	<6.5	<5.1	<5.9	<6.4	<5.7	<5.6	<7.3	<6.3	<5.9	<5.5	<6.0	<6.0	<5.3	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	0.34 J	<5.7	44,000	89,000	60
Carbon tetrachloride	<6.6	<7.0	<5.7	<6.5	<5.1	<5.9	<6.4	<5.7	<5.6	<7.3	<6.3	<5.9	<5.5	<6.0	<6.0	<5.3	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	<6.2	<5.7	22,000	44,000	760
Chlorobenzene	<6.6	<7.0	<5.7	<6.5	<5.1	<5.9	<6.4	<5.7	<5.6	<7.3	<6.3	<5.9	<5.5**	<6.0	<6.0	<5.3	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	<6.2	<5.7	500,000[b]	1,000,000[c]	1,100
Chloroform	<6.6	<7.0	<5.7	<6.5	<5.1	<5.9	<6.4	<5.7	<5.6	<7.3	<6.3	<5.9	<5.5	0.52 J	<6.0	<0.54 J	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	<6.2	<5.7	350,000	700,000	370
Ethylbenzene	<6.6	<7.0	<5.7	<6.5	<5.1	<5.9	<6.4	<5.7	<5.6	<7.3	<6.3	<5.9	<5.5**	<6.0	<6.0	<5.3	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	<6.2	<5.7	390,000	780,000	1,000
Methyl ethyl ketone	<26	14 J	<23	3.6 J	<20	<24	<26	<23	<23	2.1 J	<25	<24	<22	<24	2.2 J	<21	<30	<32	<32	<30	<27	<29	<26	<27	<29	<30	<27	17 J	<31	<29	500,000[b]	1,000,000[c]	120
Methyl tert-butyl ether	<6.6	<7.0	<5.7	<6.5	<5.1	<5.9	<6.4	<5.7	<5.6	<7.3	<6.3	<5.9	<5.5	<6.0	<6.0	<5.3	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	<6.2	<5.7	500,000[b]	1,000,000[c]	930
Methylene chloride	0.99	5.5 JB	3.0 JB	3.3 JB	4.6 JB	3.1	2.0 JB	5.7 B	5.1 JB	1.9 JB	5.6 JB	1.2 J	10 B	7.5	8	2.8 JB**	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	<6.2	<5.7	500,000[b]	1,000,000[c]	50
Tetrachloroethene	<6.6	<7.0	1.1 J	<6.5	3.1 J	3.1 J	32	<5.7	<5.6	<7.3	<6.3	<5.9	<5.5**	<6.0	<6.0	1.2 J	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	1.3 J	5.7 J	3.8 J	<5.5	<6.6	2.3 J	2.0 J	150,000	300,000	1,300
Toluene	<6.6	<7.0	<5.7	<6.5	<5.1	<5.9	<6.4	<5.7	<5.6	<7.3	<6.3	<5.9	0.84 J**	<6.0	<6.0	<5.3	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	<6.2	<5.7	500,000[b]	1,000,000[c]	700
Trichloroethene	<6.6	<7.0	<5.7	<6.5	9.3	3.5 J	46	1.8 J	<5.6	<7.3	<6.3	<5.9	<5.5	<6.0	<6.0	0.47 J	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	<6.2	1.8 J	200,000	400,000	470
Vinyl chloride	<6.6	<7.0	<5.7	<6.5	<5.1	<5.9	2.7 J	<5.7	<5.6	<7.3	<6.3	<5.9	<5.5	<6.0	<6.0	<5.3	<6.0	<6.4	<6.3	<6.0	<5.4	<5.8	<5.1	<5.4	<5.8	<5.9	<5.5	<6.6	7.6 ^	3.6 J	13,000	27,000	20
Xylene (mixed)	<13	<14	<11	<13	<10	<12	<13	<11	<11	<15	<13	<12	<11**	<12	<12	<11	<12	<13	<13	<12	<11	<12	<10	<11	<12	<12	<11	<13	<12	<11	500,000[b]	1,000,000[c]	1,600
Carbon disulfide				0.72 J																											NS	NS	NS
1,2,4-Trichlorobenzene																	1.0 JB	0.94 JB	0.73 JB	0.73 JB											NS	NS	NS
Cyclohexane																													1.9 J		NS	NS	NS
Methylcycolhexane																															NS	NS	NS

All soil cleanup objectives (SCOs) are in parts per billion (ppb). NS=Not specified. See Technical Support Document (TSD). Footnotes

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[c] The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm. See TSD section 9.3.

[l] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

B Compound was found in the blank and sample.
J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^ ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
** LCS or LCSD exceeds the control limits
NA Sample was not analyzed due to lack of sample volume

TABLE 2B

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

Volatiles

Contaminant	MW 9 0.5'-2.0'	MW 9 4.0'-6.0'	MW 9 9.0'-11.0'	MW 9 14.0'-16.0'	MW 10 0.5'-2.0'	MW 10 4.0'-6.0'	MW 10 9.0'-11.0'	MW 10 13.0'-15.0'	MW 11 0.5'-2.0'	MW 11 4.0'-6.0'	MW 11 9.0'-11.0'	MW 11 13.0'-15.0'	MW 12 0.5'-2.0'	MW 12 4.0'-6.0'	MW 12 9.0'-11.0'	MW 12 13.0'-15.0'	MW 12 18.0'-20.0'	Table 375-6.8(b): Restricted Use Soil Cleanup Objectives: Protection of Public Health: Commercial	Protection of Public Health: Industrial	Protection of Groundwater
1,1,1-Trichloroethane	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	<5.3	<5.7	<7.1	<5.6	<6.0	<5.8	<5.7	<6.1	<5.8	<5.8	<6.1	500,000[a]	1,000,000[c]	680
1,1-Dichloroethane	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	<5.3	<5.7	<7.1	<5.6	<6.0	<5.8	<5.7	<6.1	<5.8	<5.8	<6.1	240,000	480,000	270
1,1-Dichloroethene	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	<5.3	<5.7	<7.1	<5.6	<6.0	<5.8	<5.7	<6.1	<5.8	<5.8	<6.1	500,000[a]	1,000,000[c]	330
1,2-Dichloroethane	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	<5.3	<5.7	<7.1	<5.6	<6.0	<5.8	<5.7	<6.1	<5.8	<5.8	<6.1	30,000	60,000	20
cis-1,2-Dichloroethene	<5.5	<5.9	<6.8	1.2 J	<5.5	<7.0	2.1 J	<5.7	<7.1	<5.6	<6.0	10	<5.7	<6.1	<5.8	<5.8	<6.1	500,000[a]	1,000,000[c]	250
trans-1,2-	<5.5	<5.9	<6.8	0.68 J	<5.5	<7.0	<5.3	<5.7	<7.1	<5.6	<6.0	0.94 J	<5.7	<6.1	<5.8	<5.8	<6.1	500,000[a]	1,000,000[c]	190
1,4-Dichlorobenzene	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	<5.3	<5.7	<7.1	<5.6	<6.0	<5.8	<5.7	<6.1	<5.8	<5.8	<6.1	130,000	250,000	1,800
Acetone	<27	26 J	15 J	<28	<28	<35	<26	5.1 J	<35	<28	<30	<29	<28	79	<29	<29	<30	500,000[a]	1,000,000[c]	50
Benzene	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	<5.3	<5.7	<7.1	<5.6	<6.0	<5.8	<5.7	<6.1	<5.8	<5.8	<6.1	44,000	89,000	60
Carbon tetrachloride	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	<5.3	<5.7	<7.1	<5.6	<6.0	<5.8	<5.7	<6.1	<5.8	<5.8	<6.1	22,000	44,000	760
Chlorobenzene	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	<5.3	<5.7	<7.1	<5.6	<6.0	<5.8	<5.7	<6.1	<5.8	<5.8	<6.1	500,000[a]	1,000,000[c]	1,100
Chloroform	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	<5.3	<5.7	<7.1	<5.6	<6.0	<5.8	<5.7	<6.1	0.45 J	0.86 J	<6.1	350,000	700,000	370
Ethylbenzene	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	<5.3	<5.7	0.62 JB	<5.6	<6.0	<5.8	<5.7	<6.1	<5.8	<5.8	<6.1	390,000	780,000	1,000
Butanone)	<27	<30	34	<28	<28	<35	<26	<29	<35	<28	<30	<29	<28	19 J	<29	<29	<30	500,000[b]	1,000,000[c]	120
Methyl tert-butyl ether	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	<5.3	<5.7	<7.1	<5.6	<6.0	<5.8	<5.7	<6.1	<5.8	<5.8	<6.1	500,000[a]	1,000,000[c]	930
Methylene chloride	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	<5.3	<5.7	<7.1	<5.6	<6.0	<5.8	<5.7	<6.1	<5.8	<5.8	<6.1	500,000[a]	1,000,000[c]	50
Tetrachloroethene	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	1.8 J	<5.7	<7.1	<5.6	<6.0	<5.8	9.2 ^	<6.1	<5.8	<5.8	<6.1	150,000	300,000	1,300
Toluene	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	<5.3	0.73 JB	1.2 JB	0.72 JB	0.61 JB	<5.8	0.66 JB	0.61 JB	<5.8	<5.8	<6.1	500,000[a]	1,000,000[c]	700
Trichloroethene	<5.5	<5.9	<6.8	7.9	<5.5	<7.0	4.8 J	<5.7	<7.1	<5.6	<6.0	3.4 J	<5.7	<6.1	<5.8	<5.8	<6.1	200,000	400,000	470
Vinyl chloride	<5.5	<5.9	<6.8	<5.7	<5.5	<7.0	<5.3	<5.7	<7.1	<5.6	<6.0	<5.8	<5.7	<6.1	<5.8	<5.8	<6.1	13,000	27,000	20
Xylene (mixed)	<11	<12	<14	<11	<11	<14	<11	1.2 JB	1.9 JB	1.0 JB	<12	<12	1.1 JB	<12	<12	<12	<12	500,000[b]	1,000,000[c]	1,600
Carbon disulfide																		NS	NS	NS
Trichlorobenzene																		NS	NS	NS
Cyclohexane																		NS	NS	NS
Methylcycolhexane																		NS	NS	NS

All soil cleanup objectives (SCOs) are in parts per billion (ppb). NS=Not specified. See Technical Support Document (TSD). Footnotes

[a] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[c] The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm. See TSD section 9.3.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the

B Compound was found in the blank and sample.
J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^ ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
** LCS or LCSD exceeds the control limits
NA Sample was not

TABLE 2C

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

Metals

Contaminant	SB 1 SS 0.5'-2.0'	SB 2 SS 0.5'-2.0'	SB 3 SS 0.5'-2.0'	SB 4 SS 0.5'-2.0'	SB 5 SS 0.5'-2.0'	SB 6 SS 0.5'-2.0'	SB 7 SS 0.6'-2.0'	SB 8 SS 0.6'-2.0'	SB 9 SS 0.6'-2.0'	SB 10 SS 0.5'-2.0'	SB 11 SS 0.5'-2.0'	SB 12 SS	SB 13 SS 0.5'-2.0'	SB 14 SS 0.5'-2.0'	SB 15 SS	SB 16 SS 0.5'-2.0'	SB 17 SS 0.6'-2.0'	SB 18 SS 0.6'-2.0'	SB 19 SS 0.6'-2.0'	SB 20 SS 0.5'-2.0'	SB 21 0.5'-2.0'	SB 22 0.5'-2.0'	SB 23 0.5'-2.0'	SB 24 0.5'-2.0'	SB 25 0.5'-2.0'	SB 26 0.5'-2.0'	SB 27 0.5'-2.0'	SB 28 0.5'-2.0'	SB 29 0.5'-2.0'	Table 375-6.8(b): Restricted Use Soil Cleanup Objectives		
																														Protection of Public Health		Protection of Groundwater
																														Commercial	Industrial	
Arsenic	12.4	7.3	14.6	13.1	7.7	7.5	6.4	9.8	7.8	8.7	10.9	284	9	41.2	15.2	10.9	8.1	11.3	52.6	5.3	15.1 B	11.0 B	13.8 B	19.2 B	11.8	5.2	6.1	6.8	14.4	16[f]	16[f]	16[f]
Barium	99.8	97.6	88.5	78.1	78.2	40.5	49.2	92.1	42.2	55.6	120	585	92.5	247	138	136	73.3	50.7	36.3	41.4	500	75.9	138	403	93.8	48.4	27.1 ^	60.6 ^	85.3 ^	400	10,000 [d]	820
Beryllium	0.78	0.72	0.71	0.69	0.53	0.42	0.57	0.51	0.49	0.5	0.57	0.7	0.6	0.8	0.72	0.5	0.59	0.43	0.32	0.33	0.92	0.61	0.59	1.2	0.53	0.35	0.28	0.34	0.71	590	2,700	47
Cadmium	0.32 B	0.45 B	0.47 B	0.33 B	0.26 B	0.20 B	0.23 B	0.27 B	0.18 JB	0.25 JB	0.30 B	2.9 B	0.22 JB	0.39 B	1.9 B	0.65 B	0.29 B	0.38 B	1.1 B	0.15 JB	0.60 B	0.35 B	0.63 B	0.27 B	0.20 JB	0.22 JB	0.15 JB	0.21 JB	0.37 B	9.3	60	7.5
Chromium[h]	16	15.3	15.7	16.4	10.8	11.6	11.4	10.8	8.6	10.3	28.7	28.5	9.3	92.3	28.7	15.8	31.4	10.6	7.6	7.9	51.9	13.9	14.1	17.5	14.4	5.9	6.1	7.8	17.7	1,500	6,800	NS
Copper	44.4 B^	33.6 B	295 B^	77.5 B^	39.1 B	34.2 B	24.2 B	40.5 B	24.9 B	26.6 B	52.9 B	231 B	30.1 B	48.6 B	229 B	33.8 B	84.2 B	24.3 B	17.3 B	41.5 B	68.4	378	77.2	171	25.7	16.5	11	23.1	90.9	270	10,000 [d]	1,720
Total Cyanide [e]	<1.1	<1.0	<1.1	<1.1	0.71 J	<1.1	0.56 J	<1.1	<1.2	<1.2	1.2	5.6	<1.1	<1.1	1.8	<1.2	<1.1	<1.1	<1.0	<1.0	<1.1	<1.2	<1.1	1.7	0.59 JB	<1.1	0.62 JB	<1.1	<1.2	27	10,000 [d]	40
Lead	45.3	28.5	174	389	52.7	17.8	9.1	118	23.7	18.3	40.8 ^	39600	67.3 ^	109 ^	370 ^	148 ^	46.2 ^	12.8	30.6 ^	47.1 ^	153	219	5490	2890	78.2	41.2	15.2	47	59.5	1,000	3,900	450
Manganese	713 B	547 B	506 B	458 B	360 B	421 B	572 B	315 B	378 B	569 B	749 ^B	540 ^B	292 ^B	166 ^B	304 ^B	372 ^B	968 ^B	554 B	413 ^B	244 ^B	303 B	403 B	419 B	263 B	324 B	165 B	210 B^	207 B^	426 B^	10,000 [d]	10,000 [d]	2,000
Total Mercury	0.082	0.089	0.053	0.26	0.055	0.022	0.031	15.9	0.021 J	0.053	0.052	0.87	0.034	0.079	1.2	0.08	0.12	0.025	0.095	0.065	0.14	0.24	0.34	0.71	0.11	0.043	0.39	0.023	0.041	2.8[j]	5.7[j]	0.73
Nickel	29.1	23.6	28.8	26.8	17.5	19	21.9	18.9	16.6	17.9	30.7	195	13.2	16	76.3	24.9	37.8	18.6	13.3	14.8	87.2	21	19.6	24.9	14.9	11.1	10.4	11.9	29.7	310	10,000 [d]	130
Selenium	1.2 J	0.68 J	0.52 J	<4.6	2.3 J	0.52 J	0.49 J	2.0 J	0.66 J	1.4 J	1.4 J	1.7 J	2.4 J	4.4 J	1.9 J	2.1 J	0.99 J	1.9 J	39.2	2.1 J	1.9 J	<5.4	0.97 J	0.87 J	0.60 J	0.62 J	1.2 J	0.55 J	<5.5	1,500	6,800	4[f]
Silver	<0.76	<0.62	<0.69	<0.69	<0.64	<0.61	<0.65	<0.73	<0.66	<0.80	<0.74	0.86	<0.73	<0.71	5.6	<0.77	<0.62	<0.74	<0.65	<0.61	<0.74	0.33 J	0.39 J	<0.80	<0.67	<0.71	<0.71	<0.67	<0.83	1,500	6,800	8.3
Zinc	80.1 B	102 B	153 B	142 B	68.7 B	71.6 B	48.7 B	92.9 B	38.5 B	48.1 B	69.8 B	203 B	71.0 B	65.7 B	313 B	194 B	108 B	66.9 B	44.4 B	41.1 B	593 B	173 B	209 B	159 B	44.4	35.7	34.1	59.4	132	10,000 [d]	10,000 [d]	2,480
Aluminum	12900	11000	8980	10600	6800	7560	9250	7070	6580	7010	12100	6620	5700	3330	4600	7170	10100	7440	4980	4250	5560 B	9620 B	7380 B	6790 B	7750	3850	3830	4420	11500	NS	NS	NS
Antimony	2.7 J	1.4 J	3.8 J	5.2 J		<15.2						1060	2.2 J	1.1 J	0.78 J		<15.4				2.6 J	3.2 J	2.0 J	1.6 J						NS	NS	NS
Calcium	16000 B	8230 B	26900 B	24700 B	39900 B	6970 B	21000 b	26800 B	11300 B	27200 B	39900 B	40900 B	60200 B	15200 B	16800 B	52000 B	26500 B	92600 B	139000 B	36400 B	34300 B	81100 B	19100 B	8440 B	20300 B	40200 B	30600 B	22600 B	8670 B	NS	NS	NS
Cobalt	13.5	10	9.9	9.6	5.8	6.7	10.2	6.5	7	7.3	7.3	10.7	5.1	7.5	9.1	7.4	8.6	9.1	4.1	6.6	12.4	8.6	7	8	5.8	4	4.4	4.7	10.5	NS	NS	NS
Iron	30300 B	22000	24800 B	22400 B	14600 ^B	19600 ^B	19200 ^B	15400 ^B	17300 ^B	16200 ^B	21600 ^B	55600 ^B	12200 ^B	29800 ^B	18500 ^B	17900 ^B	27400 ^B	16900 B	11600 ^B	17000 ^B	26200 ^B	20600 B	20600 B	11700 B	18900 B	9680 B	9640 B	10600 B	22200 B	NS	NS	NS
Magnesium	6100	3870	6620	7780	8970	4170	4330	5050	2420	6500	7430	6340	6380	7190	3380	13800	8250	11500	26100	9460	5960	9390	3530	1120	3020	5080	10000 ^	5030 ^	5020 ^	NS	NS	NS
Potassium	2190	1680	1770	1980	1340	1500	1680	1290	1290	1500	2510	989	1200	878	919	1710	1290	1530	1070	867	1140	1920	1250	762	2130	876	833	885	1420	NS	NS	NS
Sodium	117 J	50.3 J	124 J	84.2 J	175	49.7 J	74.8 J	96.0 J	54.4 J	73.9 J	417	141 J	96.2 J	225	94.3 J	166 J	76.7 J	108 J	137 J	92.4 J	106 J	146 J	96.2 J	162 J	540	107 J	69.2 J	71.2 J	80.1 J	NS	NS	NS
Thallium																			4.7 J											NS	NS	NS
Vanadium	31.2	21.3	20.3	21.9	17.2	15.8	18.9	15.6	15.1	16.7	22.4	23	13	19.8	25	28	22.2	18.3	10.6	12	15.8	22.9	24.3	26.2	24.9	12.3	9.6	12.1	21.4	NS	NS	NS

All soil cleanup objectives (SCOs) for Metals are in parts per million (ppm). NS=Not specified. See Technical Support Document (TSD). Footnotes

[d] The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

[j] This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See TSD Table 5.6-1.

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

^ ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

NA Sample was not analyzed due to lack of sample volume

Laboratory Detection Limit is above the value for Protection of Ground Water, therefore even though result is below Laboratory Detection Limits, it cannot be determined whether is is above the Protection of Groundwater Standard.

TABLE 3A

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

Metals

Contaminant	MW 1 0.0'-2.0'	MW 1 3.5'-5.5'	MW 1 8.5'-10.5'	MW 1 13.5'-17.5'	MW 2 0.0'-2.0'	MW 2 6.0'-8.0'	MW 2 9.0'-11.0'	MW 2 14'-16'	MW 3 0.0'-2.0'	MW 3 4.0'-6.0'	MW 3 9.0'-11.0'	MW 3 14.0'-16.0'	MW 4 0.0'-2.0'	MW 4 4.0'-6.0'	MW 4 9.0'-11.0'	MW 4 14.0'-16.0'	MW 5 0.6'-2.0'	MW 5 6.0'-8.0'	MW 5 9.0'-11.0'	MW 5 14.0'-16.0	Table 375-6.8(b): Restricted Use Soil Cleanup Objectives		
																					Protection of Public Health		Protection of Groundwater
																					Commercial	Industrial	
Arsenic	13.7	7.2	17.1	8.3	7.1	9.5	8.8	12.5	14	5.6	6.9	9.8	12.7	8.2	5.2	11.9	3.6	0.0044	8	4.8	16[f]	16[f]	16[f]
Barium	226	75.5	74.4 ^	65.8 ^	122 ^	92.1 ^	57.9 ^	58.5 ^	77.0 ^	67.7 ^	52.6 ^	62.3 ^	287 ^	51.0 ^	64.6 ^	155	31	0.15	37.6	81.5	400	10,000 [d]	820
Beryllium	0.64	0.63	0.72	0.48	0.41	0.75	0.73	0.5	0.7	0.64	0.6	0.5	0.72	0.49	0.39	0.5	0.20 J	0.00096	0.61	0.43	590	2700	47
Cadmium	0.38 B	0.24 JB	0.19 JB	0.15 JB	0.50 B	0.31 B	0.16 JB	0.16 JB	0.24 JB	0.25 JB	0.16 JB	0.17 JB	0.43 B	0.20 JB	0.17 JB	0.18 J	0.10 J	J	0.17 J	0.093 J	9.3	60	7.5
Chromium[h]	12.4	14.1	24.5	12.8	10	19.6	18	15.7	17.2	14.1	17	14	9.7	12.7	20.2	17.1	7.3	0.02	15.8	11.4	1,500	6800	NS
Copper	65.2	23.8	36.3	23.5	68.2	29.9	26.3	32.5	35.7	24.3	35.5	26.7	77.3	21.7	17.2	29.5	14.8	0.028	24.5	19.6	270	10,000 [d]	1720
Total Cyanide [h]	0.86 JB	<1.4	<1.2	<1.3	0.59 JB	1.2	<1.3	<1.1	<1.2	<1.5	<1.2	<1.1	1.0 J	<1.1	<1.3	<1.1	<1.2	<1.3	<1.2	<1.2	27	10,000 [d]	40
Lead	108	18.9	12.1	15.1	123	28.7	24.4	14.1	250	13.9	12.5	13.2	109	18.3	12.2	12.3	19	0.018	16.4	12.1	1,000	3900	450
Manganese	184 B	507 B	1130 B^	392 B^	144 B^	451 B^	394 B^	593 B^	436 B^	182 B^	338 B^	483 B^	777 B^	481 B	274 B	821 B	257 B	0.15 B	234 B	211 B^	10,000 [d]	10,000 [d]	2,000[f]
Total Mercury	0.07	0.041	0.018 J	0.031	0.043	0.14	0.023 J	0.013 J	0.046	0.059	<0.024	<0.012 J	0.1	0.028	0.017 J	0.015 J	0.13	0.077	0.017 J	<0.024	2.8[i]	5.7[i]	0.73
Nickel	25.3	22.5	31.6	19.8	26.8	25.1	27.9	23	31	24.3	26.4	22.2	20.4	18.6	15.3	22.9	10.9	0.023	24.2	18.2	310	10,000 [d]	130
Selenium	<5.9	<5.9	1.3 J	0.93 J	1.1 J	0.64 J	<5.4	1.6 J	<4.9	0.81 J	<5.2	<5.4	0.57 J	<5.2	1.3 J	<4.7	1.4 J	<0.0054	<5.3	<5.2	1,500	6800	4[f]
Silver	1.7	<0.88	<0.77	<0.76	<0.63	<0.78	<0.81	<0.69	<0.74	<0.90	<0.78	<0.81	<0.75	<0.79	<0.72	<0.70	<0.68	<0.00081	<0.80	<0.78	1,500	6800	8.3
Zinc	122	78.4	90.6	58.3	107	109	77.9	76.2	105	62.9	88.4	75.4	128	84.4	84.7	83.8 B	45.2 B	0.17 B	73.7 B	54.0 B	10,000 [d]	10,000 [d]	2480
Aluminum	5160	9510	13800	8780	4360	12800	12700	10200	11300	9630	11800	9480	7010	8450	6760	9450	3430	15.7	10800	7800	NS	NS	NS
Antimony																					NS	NS	NS
Calcium	10100 B	16200 B	59600 B	45600 B	14400 B	23100 B	3440 B	93200 B	13800 B	8250 B	14900 B	33800 B	32100 B	33300 B	122000 B	62800 B	44500 B	16.6 B	31000 B	28900 B	NS	NS	NS
Cobalt	11.4	9.9	14.5	8.5	4.3	11.2	12.9	8.1	12.9	10.1	9.3	8.6	6.2	8.6	6.7	8.7	5.4	0.0092	11.2	7.9	NS	NS	NS
Iron	18200 B	20300 B	26000 B	16300 B	11700 B	22200 B	24800 B	20100 B	22400 B^	19500 B^	21700 B^	19200 B^	14000 B^	16100 B^	13500 B^	20500 B	11100 B	17.2 B	18500 B	16200 B	NS	NS	NS
Magnesium	3680	6830	24300 ^	17700 ^	2140 ^	7330 ^	5480 ^	19100 ^	6170 ^	5810 ^	10800 ^	17300 ^	7680 ^	9000	4840	11200 B	8220	5.3	14800	10200	NS	NS	NS
Potassium	917	1340	3010	1970	639	1880	2120	2040	1570	1410	1890	1910	1290	1380	1280	1800	755	1.7	2070	1580	NS	NS	NS
Sodium	114 J	5.55 J	106 J	108 J	184	68.8 J	54.1 J	126 J	49.0 J	62.0 J	58.8 J	81.4 J	129 J	56.8 J	100 J	114 JB	116 J	0.044 J	92.9 J	97.0 J	NS	NS	NS
Thallium																					NS	NS	NS
Vanadium	17.8	18.9	21.9	16.7	17.5	22.9	23.4	18	21.7	19.7	19.7	17.6	13.8	15.5	13	17.3	11.7	0.022	19.4	13.8	NS	NS	NS

All soil cleanup objectives (SCOs) for Metals are in parts per million (ppm). NS=Not specified. See Technical Support Document (TSD). Footnotes

[d] The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

[i] This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See TSD Table 5.6-1.

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

^ ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

NA Sample was not analyzed due to lack of sample volume

Laboratory Detection Limit is above the value for Protection of Ground Water, therefore even though result is below Laboratory Detection Limits, it cannot be determined whether is is above the Protection of Groundwater Standard.

TABLE 3B

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

Metals

Contaminant	MW 6 0.5'-2.0'	MW 6 4.0'-6.5'	MW 7 0.5'-2.0'	MW 7 4.0'-6.0'	MW 7 9.0'-11.0'	MW 7 12'-14'	MW 8 0.5'-1.5'	MW 8 4.0'-6.0'	MW 8 9.0'-11.0'	MW 8 12.0'-14.0'	MW 9 0.5'-2.0'	MW 9 4.0'-6.0'	MW 9 9.0'-11.0'	MW 9 14.0'-16.0	MW 10 0.5'-2.0'	MW 10 4.0'-6.0'	MW 10 9.0'-11.0'	MW 10 13.0'-15.0	MW 11 0.5'-2.0'	MW 11 4.0'-6.0'	MW 11 9.0'-11.0'	MW 11 13.0'-15.0	MW 12 0.5'-2.0'	MW 12 4.0'-6.0'	MW 12 9.0'-11.0'	MW 12 13.0'-15.0	MW 12 18.0'-20.0	Table 375-6.8(b): Restricted Use Soil Cleanup Objectives: Protection of Public Health: Commercial	Protection of Public Health: Industrial	Protection of Groundwater
Arsenic	8.9	12.4	5.4	12	8.2	6.3	8.3	10.4	6.9	12.3	19.8	7.5	7.8	12.6	10.6	5.9	9.3	4.4	11.1	8.3	13.6	5	113	11.7	17.5	11.1	11.5	16	16	16
Barium	75.2	46.9	34.1	76.5	52.7	98.2	32.5	108	58.5	93.5	77.4	64.8	46.4	28.6	91.6	45.1	51.1	57.6	92.6	43.5	59	56.3	80.5	67.7	67.9	75.3	167	400	10,000 [d]	820
Beryllium	0.39	0.44	0.31	0.61	0.34	0.49	0.34	0.79	0.29	0.47	0.45	0.66	0.42	0.31	0.53	0.46	0.32	0.6	0.33	0.46	0.53	0.3	1.1	0.75	0.52	0.56	0.52	590	2,700	47
Cadmium	0.74	0.23	0.13 J	0.18 J	0.12 J	0.094 J	0.17 J	0.33	0.24	0.10 J	0.45	0.18 J	0.14 J	0.049 J	0.36	0.17 J	0.15 J	0.059 J	0.32	0.20 J	0.12 J	0.080 J	0.12 J	0.26	0.14 J	0.069 J	0.085 J	9.3	60	7.5
Chromium"	13.5	10.3	7.8	15.4	9.1	13.2	14	18.2	8.5	16.1	8	12.7	11.8	7.1	12.1	10	10.4	15.7	5.1	7.1	15.4	8.5	11.1	17.4	13.2	15.4	13.3	1,500	6,800	NS
Copper	46.5	21.8	24.5	34.2	13.9	22.1	23	31.7	15.7	26.4	115	27.3	19.9	12.3	45.7	16	19.6	22.7	178	22.4	27.8	11.9	112	26.1	30.5	29.7	21.5	270	10,000 [d]	1,720
Total Cyanide "	<1.0	<1.1	<1.0	NA	NA	<1.1	<1.0	<1.3	NA	<1.1	0.63 J	<1.2	<1.4	NA	<1.1	<1.4	NA	<1.1	<1.4	0.68 J	<1.1	<1.2	<1.1	0.54 J	NA	NA	NA	27	10,000 [d]	40
Lead	254	69.7	26.7	22.5	8.4	12.4	24.9	40.8	9.2	11.5	1950	13.8	11	10.6	228	12.8	40.8	16	52.8	52.4	22.7	9.2	102	20.7	17.3	12.5	14.2	1,000	3,900	450
Manganese	439 B^	517 B^	214 B^	564 B^	343 B^	191 B^	267 B^	1090 B^	433 B^	828 B^	113 B^	424 B^	282 B^	203 B^	437 B	294 B	431 B	300 B	79.0 B	381 B	736 B	217 B	74.9 B	706 B	720 B	562 B	441 B	10,000 [d]	10,000 [d]	2,000 [f]
Total Mercury	0.36	0.038	0.045	0.046	0.021	<0.022	0.022	0.062	<0.023	<0.023	0.067	0.015 J	<0.028	<0.023	0.068	0.072	<0.019	<0.023	0.03	0.23	0.013 J	0.012 J	0.13	0.054	<0.022	0.0098 J	0.025	2.8 [j]	5.7 [j]	0.73
Nickel	19.5	17.4	11.5	21.4	14.3	20	16.2	27.7	12.2	21.2	17.2	26.1	16.9	12.7	21	14.1	13.3	25.3	22.9	15.7	26.4	13.1	25	24.2	23.9	24.5	20.3	310	10,000 [d]	130
Selenium	1.7 J	1.2 J	0.95 J	<4.1	0.83 J	0.85 J	<4.3	<5.1	1.3 J	<4.7	0.46 J	<4.6	2.1 J	<4.8	<4.4	<5.3	0.99 J	<4.7	1.2 JB	0.60 JB	<4.6	<4.9	5.7 B	<4.8	<4.4	<4.4	<4.6	1,500	6,800	4 [j]
Silver	<0.63	<0.65	<0.58	<0.62	<0.69	<0.71	<0.65	<0.77	<0.69	<0.70	<0.67	<0.70	<0.81	<0.72	<0.65	<0.79	<0.70	<0.70	<0.86	<0.63	<0.70	<0.73	<0.69	<0.72	<0.67	<0.65	<0.69	1,500	6,800	8.3
Zinc	135 B	95.7 B	40.2 B	84.3 B	60.6 B	63.1 B	64.5 B	117 B	58.2 B	77.1 B	200 B	94.4 B	84.6 B	39.1 B	136 B	68.0 B	64.4 B	73.2 B	123 B	53.7 B	127 B	73.9 B	67.3 B	103 B	92.2 B	82.6 B	58.3 B	10,000 [h]	10,000 [d]	2,480
Aluminum	6070	7130	4610	10400	6930	9090	7290	12900	4910	8500	3070	11500	7880	4890	6470	7140	5080	10900	1730	5260	11000	6190	4190	12400	10500	10600	9530	NS	NS	NS
Antimony		0.45 J									27.7				0.63 J				0.61 J				0.72 J					NS	NS	NS
Calcium	65300 B	36400 B	73700 B	26700 B	81100 B	23600 B	20600 B	12200 B	157000 B	80900 B	20600 B	32100 B	85400 B	44000 B	28600 B	5220 B	72500 B	35700 B	2570 B	52100 B	60500 B	39500 B	9420 B	31100 B	73200 B	31800 B	54900 B	NS	NS	NS
Cobalt	4.8	7	4.9	8.7	6.1	8.5	6	13.2	4.4	8.3	3.6	10.5	6.7	4.8	6.8	5.7	4.8	9.5	4.1	5.6	11.6	4.8	7.5	10.8	8.3	10.1	9.1	NS	NS	NS
Iron	13600 B	28800 B	11000 B	21500 B	14400 B	15900 B	18000 B	26900 B	11500 B	17700 B	10200 B	22000 B	17800 B	9810 B	16300 B	12900 B	21400 B	23100 B	17000 B	13600 B	26300 B	11100 B	12800 B	22000 B	25700 B	21900 B	18200 B	NS	NS	NS
Magnesium	4860	7510	18400	5700	9120	10200	9520	6480	7760	15600	1400	5610	6520	4530	5810	3920	12000	13400	275	6040	7340	6110	1230	10100	6600	15500	20400	NS	NS	NS
Potassium	981	1110	1090	1410	1270	1860	1230	1780	982	1750	461	1580	1790	835	1110	1040	971	2270	177	969	1410	1460	404	1570	1500	1990	2210	NS	NS	NS
Sodium	99.8 J	56.3 J	136	71.5 J	97.2 J	94.5 J	59.9 J	63.4 J	74.6 J	117 J	90.1 J	71.9 J	71.8 J	203	92.1 J	46.6 J	83.2 J	112 J	77.2 J	145 J	83.6 J	99.9 J	103 J	82.8 J	100 J	108 J	136 J	NS	NS	NS
Thallium																							0.91 J					NS	NS	NS
Vanadium	12	16.5	10.8	18.9	11.7	15.8	17	23.3	9.6	15.9	12.8	20.4	15.2	9.4	16.9	12.8	11.5	19.8	8.2	15.7	21	11.5	21.4	23	20.4	18.9	18.3	NS	NS	NS

All soil cleanup objectives (SCOs) for Metals are in parts per million (ppm). NS=Not specified. See Technical Support Document (TSD). Footnotes

[d] The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

[j] This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See TSD Table 5.6-1.

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

^ ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

NA Sample was not analyzed due to lack of sample volume

Laboratory Detection Limit is above the value for Protection of Ground Water, therefore even though result is below Laboratory Detection Limits, it cannot be determined whether is is above the Protection of Groundwater Standard.

TABLE 3C

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

Semi-Volatiles

Contaminant	SB 1 SS 0.5'-2.0'	SB 2 SS 0.5'-2.0'	SB 3 SS 0.5'-2.0'	SB 4 SS 0.5'-2.0'	SB 5 SS 0.5'-2.0'	SB 6 SS 0.5'-2.0'	SB 7 SS 0.6'-2.0'	SB 8 SS 0.6'-2.0'	SB 9 SS 0.6'-2.0'	SB 10 SS 0.5'-2.0'	SB 11 SS 0.5'-2.0'	SB 12 SS	SB 13 SS 0.5'-2.0'	SB 14 SS 0.5'-2.0'	SB 15 SS	SB 16 SS 0.5'-2.0'	SB 17 SS 0.6'-2.0'	SB 18 SS 0.6'-2.0'	SB 19 SS 0.6'-2.0'	SB 20 SS 0.5'-2.0'	SB 21 0.5'-2.0'	SB 22 0.5'-2.0'	SB 23 0.5'-2.0'	SB 24 0.5'-2.0'	SB 25 0.5'-2.0'	SB 26 0.5'-2.0'	SB 27 0.5'-2.0'	SB 28 0.5'-2.0'	SB 29 0.5'-2.0'	Table 375-6.8(b): Restricted Use Soil Cleanup Objectives		
																															Protection of Public Health		Protection of Groundwater
																															Commercial	Industrial	
Acenaphthene	70	360	43	51	20	<7.2	51	56	1600	320	<32	67	18	<31	50	31	<15	<7.5	<7.1	12	<16	14 J	340	<8.8	47	<7.5	<7.8	<7.5	<8.4	500,000[b]	1,000,000[c]	98,000
Acenapthylene	140	64	74	84	28	4.4 J	190	220	21000	2000	210	1100	18	<31	140	53	380	<7.5	13	36	95	55	1400	<8.8	40	14	11	18	25	500,000[b]	1,000,000[c]	107,000
Anthracene	560	610	49	130	69	3.7 J	460	430	41000	6100	370	1200	71	<31	150	130	310	<7.5	28	81	84	53	2700	24	61	12	11	20	20	500,000[b]	1,000,000[c]	1,000,000[c]
Benz(a)anthracene	2100	1600	280	490	260	24	810	1400	87000	16000	2100	6500	230	290	510	320	1300	<7.5	81	500	440	220	12000	150	310	53	59	81	99	5,600	11,000	1,000[f]
Benzo(a)pyrene	1800	1400	230	490	250	23	740	1200	76000	14000	1900	6900	180	180	550	270	1200	<7.5	67	530	400	210	9900	160	280	49	60	79	100	1,000[f]	1,100	22,000
Benzo(b)fluoranthene	2400	1900	370	620	360	35	990	1700	110000	17000	2400	8900	270	250	630	380	2000	<7.5	110	700	830	290	16000	260	340	75	92	110	140	5,600	11,000	1,700
Benzo(g,h,i)perylene	1100	490	150	330	180	12	290	380	29000	6300	1200	4100	150	150	570	210	840	<7.5	55	330	140	190	2300	77	150	28	48	70	71	500,000[b]	1,000,000[c]	1,000,000[c]
Benzo(k)fluoranthene	800	530	110	240	120	13	370	720	41000	6200	840	3000	78	88	200	130	730	<7.5	49	230	310	140	5500	99	100	24	28	37	51	56,000	110,000	1,700
Chrysene	1900	1600	380	560	310	26	740	1300	81000	15000	2100	6700	340	500	630	360	1500	<7.5	100	590	670	230	10000	310	380	81	71	120	140	56,000	110,000	1,000[f]
Dibenz(a,h)anthracene	230	130	53	73	46	<7.2	77	160	7800	1700	260	1100	41	<31	140	56	260	<7.5	20	86	<16	38	900	<8.8	43	<7.5	16	24	22	560	1,100	1,000,000[c]
Fluoranthene	4000	2700	490	1000	530	48	1500	2200	200000	32000	4100	9000	420	320	760	730	2000	6.0 J	170	700	750	490	22000	270	540	87	130	120	170	500,000[b]	1,000,000[c]	1,000,000[c]
Fluorene	100	300	42	93	25	<7.2	140	95	5800	1400	34	250	24	<31	<15	47	<15	<7.5	5.7 J	27	<16	21	530	<8.8	57	<7.5	<7.8	<7.5	<8.4	500,000[b]	1,000,000[c]	386,000
Indeno(1,2,3-cd)pyrene	1000	480	130	280	160	12	300	440	31000	7600	1100	4100	120	88	350	190	830	<7.5	51	300	140	140	2800	61	120	24	40	56	66	5,600	11,000	8,200
m-Cresol	<1900*	<1100*	<450*	<230	<460*	<430*	<480*	58 J*	<81000*	<9800*	<1900*	<3300*	<490*	<1800*	96 J*	<510*	<920*	<450*	<420*	<440*	<940*	<1000*	<9200*	<530*	<1200*	<450*	<470*	<450*	<500*	500,000[b]	1,000,000[c]	330[e]
Naphthalene	140	110	430	160	41	8.8	89	170	14000	1300	160	780	66	3100	780	110	640	<7.5	21	130	730	61	640	86	760	130	34	220	31	500,000[b]	1,000,000[c]	12,000
o-Cresol	<930	<540	<220	<450*	<230	<220	<240	<460	<41000	<4900	<950	<1700	<240	<920	35 J	<250	<460	<220	<210	<220	<470	<510	<4600	<260	<590	<230	<240	<220	<250	500,000[b]	1,000,000[c]	330[e]
p-Cresol	<1900*	<1100*	<450*	<450*	<460*	<430*	<480*	58 J*	<81000*	<9800*	<1900*	<3300*	<490*	<1800*	96 J*	<510*	<920*	<450*	<420*	<440*	<940*	<1000*	<9200*	<530*	<1200*	<450*	<470*	<450*	<500*	500,000[b]	1,000,000[c]	330[e]
Pentachlorophenol	<700	<410	<170	<170	<170	<160	<180	<340	<31000	<3700	<720	<1300	<180	<690	<340	<190	<350	<170	<160	<160	<350	<390	<3400	<200	<440	<170	<180	<170	<190	6,700	55,000	800[e]
Phenanthrene	2200	2300	710	910	340	19	1400	1800	120000	27000	1300	2800	430	2700	1200	630	1400	7.4 J	120	400	620	430	12000	250	740	170	90	300	110	500,000[b]	1,000,000[c]	1,000,000[c]
Phenol	<230	<140	<56	<57	<58	<54	<61	41 J	<10000	<1200	<240	140 J	<61	<230	<110	<63	<120	<56	<53	<55	<120	<130	310 J	<66	<150	<56	<59	<56	<63	500,000[b]	1,000,000[c]	330[e]
Pyrene	3600	2500	400	900	480	44	1300	1900	160000	28000	4000	8600	410	410	870	650	2000	6.0 J	150	640	650	450	18000	240	50	91	100	120	200	500,000[b]	1,000,000[c]	1,000,000[c]
1,1'-Biphenyl	17 J	23 J	88	31 J	6.9 J		25 J	34 J	1100 J	110 J		72 J	11 J	400	98 J	13 J	130		4.1 J	29 J	71 J		120 J	25 J	120 J	24 J	7.1 J	36 J	5.9 J	NS	NS	NS
2,4-Dimethylphenol															73 J															NS	NS	NS
2-Methylnaphthalene	100	100	850	180	50	6.2 J	50	230	2400	420	39	240	69	5500	1300	120	990		22	120	1100	38	540	160	1200	230	63	440	59	NS	NS	NS
Atrazine																														NS	NS	NS
Acetophenone			98 J	26 J	17 J			32 J				250 J	16 J	480	130 J		150 J			13 J					130 J					NS	NS	NS
Benzaldehyde													23 J			30 J			14 J	32 J		68 J			140 J					NS	NS	NS
Bis(2-ethylhexyl) phthalate	220J	230	140	240	280	180	120	110 J		800 J	210 J	240 J	310	130 J	140 J	34 J	97 J	70 J	120	88	50 JB	110 JB		74 JB	97 J	84	62 J	97	140	NS	NS	NS
Caprolactam		110 J					79 J																	67 J	300 J					NS	NS	NS
Carbazole		180	46 J	100	31 J		200	160	10000	3200		250 J			70 J	69	150			39 J			740 J							NS	NS	NS
Di-n-butly phthalate			32 J	23 J	19 J										270															NS	NS	NS

All soil cleanup objectives (SCOs) are in parts per billion (ppb). NS=Not specified. See Technical Support Document (TSD). Footnotes

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[c] The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm. See TSD section 9.3.

[e] For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

B Compound was found in the blank and sample.
J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
* The values for m-cresol and p-cresol were reported together, therefore the RL is the sum of both contaminants
NA Sample was not analyzed due to lack of sample volume
Laboratory Detection Limit is above the value for Protection of Ground Water, therefore even though result is below Laboratory Detection Limits, it cannot be determined whether is is above the Protection of Groundwater Standard.

TABLE 4A

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

Semivolatiles

Contaminant	MW 1 0.5'-2.0'	MW 1 3.5'-5.5'	MW 1 8.5'-10.5'	MW 1 13.5'-17.5'	MW 2 0.0'-2.0'	MW 2 6.0'-8.0'	MW 2 9.0'-11.0'	MW 2 14'-16'	MW 3 0.0'-2.0'	MW 3 4.0'-6.0'	MW 3 9.0'-11.0'	MW 3 14.0'-16.0'	MW 4 0.0'-2.0'	MW 4 4.0'-6.0'	MW 4 9.0'-11.0'	MW 4 14.0'-16.0'	MW 5 0.6'-2.0'	MW 5 6.0'-8.0'	MW 5 9.0'-11.0'	MW 5 14.0'-16.0'	MW 6 0.5'-2.0'	MW 6 4.0'-6.6'	Table 375-6.8(b): Restricted Use Soil Cleanup Objectives: Protection of Public Health: Commercial	Protection of Public Health: Industrial	Protection of Groundwater
Acenaphthene	<9.2	<9.6	<8.1	<8.9	<29	<8.1	<9.2	<7.8	<8.0	<10	<8.4	<8.3	94	<8.1	<8.8	<7.8	6.5 J	<8.8	<8.6	<8.2	34	<7.8	500,000[b]	1,000,000[c]	98,000
Acenapthylene	40	<9.6	<8.1	<8.9	72	<8.1	<9.2	<7.8	11	<10	<8.4	<8.3	69	<8.1	<8.8	<7.8	8.9	<8.8	<8.6	<8.2	260	9.9	500,000[b]	1,000,000[c]	107,000
Anthracene	37	5.7 J	<8.1	<8.9	140	4.7 J	<9.2	<7.8	18	<10	<8.4	<8.3	200	<8.1	<8.8	<7.8	18	<8.8	<8.6	<8.2	230	7.1 J	500,000[b]	1,000,000[c]	1,000,000[c]
Benz(a)anthracene	150	10	<8.1	<8.9	470	11	<9.2	<7.8	92	<10	<8.4	<8.3	470	9.2	<8.8	<7.8	64	<8.8	<8.6	<8.2	1400	35	5,600	11,000	1,000[f]
Benzo(a)pyrene	150	9.4 J	<8.1	<8.9	390	12	<9.2	<7.8	82	<10	<8.4	<8.3	410	7.7 J	<8.8	<7.8	53	<8.8	<8.6	<8.2	1400	37	1,000[f]	1,100	22,000
Benzo(b)fluoranthene	220	9.6	<8.1	<8.9	740	17	<9.2	<7.8	110	<10	<8.4	<8.3	570	10	<8.8	<7.8	120	<8.8	<8.6	<8.2	1900	59	5,600	11,000	1,700
Benzo(g,h,i)perylene	78	9.8	<8.1	<8.9	230	13	<9.2	<7.8	58	<10	<8.4	<8.3	220	8.1	<8.8	<7.8	41	<8.8	<8.6	<8.2	680	25	500,000[b]	1,000,000[c]	1,000,000[c]
Benzo(k)fluoranthene	67	<9.6	<8.1	<8.9	260	7.1 J	<9.2	<7.8	38	<10	<8.4	<8.3	180	7.1 J	<8.8	<7.8	26	<8.8	<8.6	<8.2	660	18	56,000	110,000	1,700
Chrysene	220	10	<8.1	<8.9	590	17	<9.2	<7.8	98	<10	<8.4	<8.3	610	8.7	<8.8	<7.8	130	<8.8	<8.6	<8.2	1400	46	56,000	110,000	1,000[f]
Dibenz(a,h)anthracene	28	<9.6	<8.1	<8.9	91	<8.1	<9.2	<7.8	19	<10	<8.4	<8.3	74	<8.1	<8.8	<7.8	14	<8.8	<8.6	<8.2	170	<7.8	560	1,100	1,000,000[c]
Fluoranthene	270	19	<8.1	<8.9	740	27	<9.2	<7.8	130	8.8 J	<8.4	<8.3	1100	11	<8.8	4.2 J	140	<8.8	<8.6	<8.2	2800	70	500,000[b]	1,000,000[c]	1,000,000[c]
Fluorene	<9.2	<9.6	<8.1	<8.9	56	<8.1	<9.2	<7.8	<8.0	<10	<8.4	<8.3	120	<8.1	<8.8	<7.8	9.5	<8.8	<8.6	<8.2	63	<7.8	500,000[b]	1,000,000[c]	386,000
Indeno(1,2,3-cd)pyrene	71	6.4 J	<8.1	<8.9	230	11	<9.2	<7.8	49	<10	<8.4	<8.3	200	<8.1	<8.8	<7.8	35	<8.8	<8.6	<8.2	750	23	5,600	11,000	8,200
m-Cresol	<550*	<570*	<490*	<530*	<1700*	<490*	<550*	<470*	<480*	<610*	<500*	<500*	<910*	<480*	<530*	<470*	<500*	<530*	<520*	<490*	<1700*	<470*	500,000[b]	1,000,000[c]	330[e]
Naphthalene	350	<9.6	<8.1	<8.9	390	10	<9.2	<7.8	24	<10	<8.4	<8.3	710	<8.1	<8.8	<7.8	34	<8.8	<8.6	<8.2	72	8.6	500,000[b]	1,000,000[c]	12,000
o-Cresol	<280	<290	<240	<270	<870	<240	<270	<230	<240	<300	<250	<250	<450	<240	<260	<230	<250	<260	<260	<250	<850	<230	500,000[b]	1,000,000[c]	330[e]
p-Cresol	<550*	<570*	<490*	<530*	<1700*	<490*	<550*	<470*	<480*	<610*	<500*	<500*	<910*	<480*	<530*	<470*	<500*	<530*	<520*	<490*	<1700*	<470*	500,000[b]	1,000,000[c]	330[e]
Pentachlorophenol	<210	<220	<180	<200	<650	<180	<210	<180	<180	<230	<190	<190	<340	<180	<200	<170	<190	<200	<190	<190	<640	<180	6,700	55,000	800[e]
Phenanthrene	480	12	<8.1	4.9 J	800	28	<9.2	<7.8	86	6.4 J	<8.4	<8.3	1600	<8.1	<8.8	<7.8	140	<8.8	<8.6	<8.2	1200	27	500,000[b]	1,000,000[c]	1,000,000[c]
Phenol	<69	<72	<61	<67	<220	<61	<69	<58	<60	<76	<63	<62	<110	<61	<66	<58	<63	<66	<64	<62	<210	<59	500,000[b]	1,000,000[c]	330[e]
Pyrene	270	27	<8.1	<8.9	680	22	<9.2	<7.8	120	11	<8.4	<8.3	880	10	<8.8	4.1 J	100	<8.8	<8.6	<8.2	2300	57	500,000[b]	1,000,000[c]	1,000,000[c]
1,1'-Biphenyl	56 J				49 J				5.7 J				120				9.1 J				15 J		NS	NS	NS
2,4-Dimethylphenol																							NS	NS	NS
2-Methylnaphthalene	660				620	13			42				1300				42				59	10	NS	NS	NS
Acetophenone	72 J																						NS	NS	NS
Atrazine		27 J															51 J						NS	NS	NS
Benzaldehyde																						29 J	NS	NS	NS
Bis(2-ethylhexyl) phthalate	80 J	140	120	92 J	100 J	160		300	140	54 J	340	360		81 J	80 J	72 J	26 J						NS	NS	NS
Caprolactam																	220 J						NS	NS	NS
Carbazole													150								130 J		NS	NS	NS
Di-n-butly phthalate	27 J				68 J																		NS	NS	NS

All soil cleanup objectives (SCOs) are in parts per billion (ppb). NS=Not specified. See Technical Support Document (TSD). Footnotes

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[c] The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm. See TSD section 9.3.

[e] For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

* The values for m-cresol and p-cresol were reported together, therefore the RL is the sum of both contaminants

NA Sample was not analyzed due to lack of sample volume

Laboratory Detection Limit is above the value for Protection of Ground Water, therefore even though result is below Laboratory Detection Limits, it cannot be determined whether is is above the Protection of Groundwater Standard.

TABLE 4B

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

Semivolatiles

Contaminant	MW 7 0.5'-2.0'	MW 7 4.0'-6.0'	MW 7 9.0'-11.0'	MW 7 12'-14'	MW 8 0.5'-1.5'	MW 8 4.0'-6.0'	MW 8 9.0'-11.0'	MW 8 12.0'-14.0	MW 9 0.5'-2.0'	MW 9 4.0'-6.0'	MW 9 9.0'-11.0'	MW 9 14.0'-16.0	MW 10 0.5'-2.0'	MW 10 4.0'-6.0'	MW 10 9.0'-11.0'	MW 10 13.0'-15.0	MW 11 0.5'-2.0'	MW 11 4.0'-6.0'	MW 11 9.0'-11.0'	MW 11 13.0'-15.0	MW 12 0.5'-2.0'	MW 12 4.0'-6.0'	MW 12 9.0'-11.0'	MW 12 13.0'-15.0'	MW 12 18.0'-20.0	Table 375-6.8(b): Restricted Use Soil Cleanup Objectives		
																										Protection of Public Health		Protection of Ground-water
																										Commercial	Industrial	
Acenaphthene	7.9	<7.3	<7.8	<8.1	<7.4	<8.9	NA	<7.7	18	220	<9.2	<7.8	<7.5	<9.7	<7.1	<7.8	110	<7.6	<8.1	<7.9	24	<8.4	<7.8	NA	<8.2	500,000[b]	1,000,000[c]	98,000
Acenapthylene	17	<7.3	<7.8	<8.1	5.2 J	<8.9	NA	<7.7	56	11	5.3 J	<7.8	23	<9.7	<7.1	<7.8	430	5.4 J	<8.1	<7.9	110	<8.4	<7.8	NA	<8.2	500,000[b]	1,000,000[c]	107,000
Anthracene	28	<7.3	<7.8	<8.1	5.3 J	5.5 J	NA	<7.7	43	370	11	<7.8	18	<9.7	<7.1	<7.8	390	5.5 J	<8.1	<7.9	140	<8.4	<7.8	NA	<8.2	500,000[b]	1,000,000[c]	1,000,000[c]
Benz(a)anthracene	110	10	<7.8	<8.1	29	11	NA	<7.7	190	420	33	<7.8	110	6.7 J	<7.1	<7.8	1400	25	<8.1	<7.9	630	<8.4	<7.8	NA	<8.2	5,600	11,000	1,000[f]
Benzo(a)pyrene	100	9.5	4.2 J	<8.1	29	<8.9	NA	<7.7	190	330	27	<7.8	110	6.7 J	<7.1	<7.8	1100	17	<8.1	<7.9	440	<8.4	<7.8	NA	<8.2	1,000[f]	1,100	22,000
Benzo(b)fluoranthene	180	14	4.6 J	<8.1	45	12	NA	<7.7	310	440	35	<7.8	140	9.1 J	5.8 J	<7.8	2000	36	<8.1	<7.9	830	11	<7.8	NA	<8.2	5,600	11,000	1,700
Benzo(g,h,i)perylene	80	9.4	<7.8	<8.1	20	5.9 J	NA	<7.7	86	98	11	<7.8	49	<9.7	<7.1	<7.8	600	11	<8.1	<7.9	220	<8.4	<7.8	NA	<8.2	500,000[b]	1,000,000[c]	1,000,000[c]
Benzo(k)fluoranthene	53	11	<7.8	<8.1	12	5.6 J	NA	<7.7	98	150	16	<7.8	55	<9.7	<7.1	<7.8	690	5.0 J	<8.1	<7.9	260	<8.4	<7.8	NA	<8.2	56,000	110,000	1,700
Chrysene	160	16	<7.8	<8.1	31	10	NA	<7.7	260	380	29	<7.8	120	7.0 J	<7.1	<7.8	2100	39	<8.1	<7.9	870	<8.4	<7.8	NA	<8.2	56,000	110,000	1,000[f]
Dibenz(a,h)anthracene	19	<7.3	<7.8	<8.1	<7.4	<8.9	NA	<7.7	32	36	<9.2	<7.8	14	<9.7	<7.1	<7.8	210	<7.6	<8.1	<7.9	89	<8.4	<7.8	NA	<8.2	560	1,100	1,000,000[c]
Fluoranthene	210	22	4.0 J	<8.1	55	23	NA	<7.7	330	880	71	4.5 J	180	11	5.5 J	<7.8	4700	46	5.2 J	<7.9	980	16	<7.8	NA	<8.2	500,000[b]	1,000,000[c]	1,000,000[c]
Fluorene	18	<7.3	<7.8	<8.1	<7.4	<8.9	NA	<7.7	19	250	4.8 J	<7.8	<7.5	<9.7	<7.1	<7.8	170	<7.6	<8.1	<7.9	40	<8.4	<7.8	NA	<8.2	500,000[b]	1,000,000[c]	386,000
Indeno(1,2,3-cd)pyrene	75	7.2 J	<7.8	<8.1	17	5.5 J	NA	<7.7	84	110	13	<7.8	46	<9.7	<7.1	<7.8	560	11	<8.1	<7.9	230	<8.4	<7.8	NA	<8.2	5,600	11,000	8,200
m-Cresol	<410*	<440*	<470*	<480*	<440*	33 J*	NA	<460*	<450*	76 J*	<550*	<470*	<450*	<580*	<420*	<470*	<2900*	<460*	<480*	<470*	<450*	28 J*	<470*	NA	<490*	500,000[b]	1,000,000[c]	330[e]
Naphthalene	100	4.0 J	<7.8	<8.1	9.5	<8.9	NA	<7.7	580	70	5.1 J	<7.8	69	<9.7	5.3 J	<7.8	460	20	<8.1	<7.9	200	<8.4	<7.8	NA	<8.2	500,000[b]	1,000,000[c]	12,000
o-Cresol	<210	<220	<230	<240	<220	<270	NA	<230	<220	<240	<270	<230	<220	<290	<210	<230	<1400	<230	<240	<240	<230	<250	<230	NA	<250	500,000[b]	1,000,000[c]	330[e]
p-Cresol	<410*	<440*	<470*	<480*	<440*	33 J*	NA	<460*	<450*	76 J*	<550*	<470*	<450*	<580*	<420*	<470*	<2900*	<460*	<480*	<470*	<450*	28 J*	<470*	NA	<490*	500,000[b]	1,000,000[c]	330[e]
Pentachlorophenol	<160	<170	<170	<180	<170	<200	NA	<170	<170	<180	<210	<180	<170	<220	<160	<180	<1100	<170	<180	<180	<170	<190	<180	NA	<180	6,700	55,000	800[e]
Phenanthrene	220	14	<7.8	<8.1	27	12	NA	<7.7	470	900	37	<7.8	140	9.9	6.8 J	<7.8	2700	65	<8.1	<7.9	640	10	<7.8	NA	<8.2	500,000[b]	1,000,000[c]	1,000,000[c]
Phenol	<52	<55	<58	<61	<55	<67	NA	<58	<56	<59	<69	<58	<56	<73	<53	<58	<360	<57	<60	<59	<56	<63	<59	NA	<62	500,000[b]	1,000,000[c]	330[e]
Pyrene	170	20	<7.8	<8.1	47	23	NA	<7.7	280	720	54	4.1 J	180	9.6 J	5.8 J	5.0 J	3600	38	4.4 J	<7.9	720	12	<7.8	NA	<8.2	500,000[b]	1,000,000[c]	1,000,000[c]
1,1'-Biphenyl	20 J								68	20 J			11 J				81 J				37 J					NS	NS	NS
2,4-Dimethylphenol																										NS	NS	NS
2-Methylnaphthalene	160	5.5 J			12				870	65			110	5.3 J	8.2		460	38			230					NS	NS	NS
Acetophenone	12 J								93 J				19 J								41 J					NS	NS	NS
Atrazine																										NS	NS	NS
Benzaldehyde						19 J															100 J					NS	NS	NS
Bis(2-ethylhexyl) phthalate		33 J		30 J	21 J				50 J	22 J			24 J		31 J											NS	NS	NS
Caprolactam					51 J				150 J	140 J								48 J			220 J	65 J				NS	NS	NS
Carbazole									39 J	110							380				57					NS	NS	NS
Di-n-butly phthalate									20 J																	NS	NS	NS

All soil cleanup objectives (SCOs) are in parts per billion (ppb). NS=Not specified. See Technical Support Document (TSD). Footnotes

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[c] The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm. See TSD section 9.3.

[e] For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

* The values for m-cresol and p-cresol were reported together, therefore the RL is the sum of both contaminants

NA Sample was not analyzed due to lack of sample volume

Laboratory Detection Limit is above the value for Protection of Ground Water, therefore even though result is below Laboratory Detection Limits, it cannot be determined whether is is above the Protection of Groundwater Standard.

TABLE 4C

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

Groundwater VOC

EPA 8260 TCL (Results in ug/L / ppb)														
Contaminant	**MW 1**	**MW 2**	**MW 3**	**MW 4**	**MW 5**	**MW 6**	**MW 7**	**MW 8**	**MW 9**	**MW 10**	**MW 11**	**MW 12**	**TOGS 1.1.1 GA**	
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5***	s
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5***	s
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.00**	<1.0	<1.0	<1.0	<1.0	0.7	gv
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.6	s
cis-1,2-Dichloroethene	<1.0	**21.00**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.60	**54.00**	<1.0	<1.0	5***	s
trans-1,2-Dichloroethene	<1.0	**9.70**	<1.0	<1.0	<1.0	<1.0	<1.0	**32^**	<1.0	3.3^	<1.0	<1.0	5***	s
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3*	s
Acetone	<10	<10	5.8J	<10	<10	<10	<10	<10	<10	<10	<10	<10	50	gv
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.20**	<1.0	<1.0	<1.0	<1.0	1	s
Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	s
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5***	s
Chloroform	0.71J	0.39J	<1.0	1.4J	<1.0	**11.00**	1.50	0.5J	<1.0	<1.0	1.10	1.80	7	s
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5***	s
Methyl ethyl ketone (2-Butanone)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	50	gv
Methyl tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	10	gv
Methylene chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5***	s
Tetrachloroethene	1.50	1.40	<1.0	0.54J	<1.0	<1.0	**6.70**	2.50	0.7J	3.00	<1.0	<1.0	5***	s
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5***	s
Trichloroethene	<1.0	**6.70**	<1.0	<1.0	<1.0	<1.0	0.85J	**5.00**	**25.00**	**21.00**	<1.0	<1.0	5***	s
Vinyl chloride	<1.0	1.80	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.70	<1.0	<1.0	2	s
Xylene (mixed)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	5***	s
Cyclohexane								7.7^					NE	
Methylcyclohexane								2.6^					NE	

Bold: Exceed TOGS 1.1.1 . G.A. Values

All Ambient Water Quality Standards and Guidance Values are in parts per billion (ppb). See Technical Support Document (TSD). Footnotes

NE=Not Established

ND means a non-detectable concentration by the approved analytical methods referenced in section 700.3 of TOGS 1.1.1

* Applies to each isomer (1,2-,1,3- and 1,4-dichlorobenzene) individually

*** The principal organic contaminant standard for groundwater of 5 ug/L applies to this substance.

s=Standard that has been promugulated and placed into regulation

gv= Guidance Value, recommended value where no standard has been promugulated

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

^ ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

TABLE 5A

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

Groundwater SVOC

EPA 8270 SVOC (results in ug/L / ppb)														
Contaminant	**MW 1**	**MW 2**	**MW 3**	**MW 4**	**MW 5**	**MW 6**	**MW 7**	**MW 8**	**MW 9**	**MW 10**	**MW 11**	**MW 12**	**TOGS 1.1.1 GA**	
Acenaphthene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	20	gv
Acenapthylene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	NS	
Anthracene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	50	gv
Benz(a)anthracene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	1	s
Benzo(a)pyrene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	ND	
Benzo(b)fluoranthene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	**0.57 J**	<4.9	<4.9	<4.9	<4.9	<5.0	0.002	gv
Benzo(g,h,i)perylene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	NE	
Benzo(k)fluoranthene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	0.002	gv
Chrysene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	0.002	gv
Dibenz(a,h)anthracene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	NE	
Fluoranthene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	50	gv
Fluorene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	50	gv
Indeno(1,2,3-cd)pyrene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	**0.79 J****	<4.9	**0.66 J****	<4.9	<4.9	<5.0	0.002	gv
Naphthalene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	10	gv
o-Cresol	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	0.40 JB	0.45 JB	<5.0	NE	
m+p-Cresol****	<9.4	<9.7	<10	<10	<9.4	<10	<10	<9.8	<9.7	<9.8	<9.8	<10	NE	s
Pentachlorophenol	<9.4	<9.7	<10	<10	<9.4	<10	<10	<9.8	<9.7	<9.8	<9.8	<10	1*	
Phenanthrene	<4.7	<4.9	0.46 J	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	50	gv
Phenol	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	1*	s
Pyrene	<4.7	<4.9	<5.0	<5.0	<4.7	<5.2	<5.1	<4.9	<4.9	<4.9	<4.9	<5.0	50	gv
2,4-Dinitrotoluene									**5.1 B**			**5.1 B**	5***	s
2,6-Dinitrotoluene												**6.4**	5***	s
Bis(2-ethylhexyl)			2.2 J	3.6 J									5	s
Di-n-butyl phthalate								0.37 JB	0.32 JB			0.37 JB	50	s

Bold: Exceed TOGS 1.1.1 . G.A. Values

All Ambient Water Quality Standards and Guidance Values are in parts per billion (ppb). See Technical Support Document (TSD). Footnotes

NE=Not Established

ND means a non-detectable concentration by the approved analytical methods referenced in section 700.3 of TOGS 1.1.1

*referred to entry for "phenolic compounds" (total phenols) ** applies to the sum of these substances

** LCS or LCSD exceeds the control limits

*** The principal organic contaminant standard for groundwater of 5 ug/L applies to this substence.

**** The values for m-cresol and p-cresol were reported together, therefore the RL is the sum of both contaminants

s=Standard that has been promugulated and placed into regulation

gv= Guidance Value, recommended value whare no standard has been promugulated

B Compound was found in the blank and sample.

J Result is less than the RL but greeter than or equal to the MDL and the concantration is an approximate value.

^ ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

TABLE 5B

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

Groundwater Pesticides / PCB

EPA 8080 B / 8081 B /8082 A (results in ug/L / ppb)														
Contaminant	MW 1	MW 2	MW 3	MW 4	MW 5	MW 6	MW 7	MW 8	MW 9	MW 10	MW 11	MW 12	TOGS 1.1.1 GA	
4,4'-DDE	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	<0.026	<0.027	<0.026	<0.027	<0.026	<0.026	0.2	s
4,4'-DDT	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	<0.026	<0.027	<0.026	<0.027	<0.026	<0.026	0.2	s
4,4'-DDD	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	<0.026	<0.027	<0.026	<0.027	<0.026	<0.026	0.3	s
Aldrin	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	<0.026	<0.027	<0.026	<0.027	<0.026	<0.026	ND	
alpha-BHC	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	<0.026	<0.027	<0.026	<0.027	<0.026	<0.026	0.01	s
beta-BHC	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	<0.026	<0.027	<0.026	<0.027	<0.026	<0.026	0.04	s
Chlordane (alpha)	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	0.016 Jp	<0.027	<0.026	<0.027	<0.026	<0.026	0.05	s
delta-BHC	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	<0.026	<0.027	<0.026	<0.027	<0.026	<0.026	0.04	s
Dibenzofuran	<9.4	<9.7	<10	<10	<9.4	<10	<10	<9.8	<9.7	<9.8	<9.8	<10	NE	
Dieldrin	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	<0.026	<0.027	<0.026	<0.027	<0.026	<0.026	0.004	s
Endosulfan I	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	<0.026	<0.027	<0.026	<0.027	<0.026	<0.026	NE	
Endosulfan II	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	<0.026	<0.027	<0.026	<0.027	<0.026	<0.026	NE	
Endosulfan sulfate	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	<0.026	<0.027	<0.026	<0.027	<0.026	<0.026	NE	
Endrin	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	<0.026	<0.027	<0.026	<0.027	<0.026	<0.026	ND	
Heptachlor	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	<0.026	<0.027	<0.026	<0.027	<0.026	<0.026	0.04	s
Lindane	<0.024	<0.025	<0.025	<0.025	<0.024	<0.028	<0.026	<0.027	<0.026	<0.027	<0.026	<0.026	0.05	s
Polychlorinated biphenyls	<0.46	<0.48	<0.49	<0.49	<0.49	<0.49	<0.50	<0.49	<0.56	<0.50	<0.49	<0.47	0.09*	s
gamma-Chlordane							0.027 p						NE	

Bold: Exceed TOGS 1.1.1 . G.A. Values

All Ambient Water Quality Standards and Guidance Values are in parts per billion (ppb). See Technical Support Document (TSD). Footnotes

NE=Not Established

ND means a non-detectable concentration by the approved analyticel methods referenced in section 700.3 of TOGS 1.1.1

s=Standard that has been promugulated and placed into regulation

gv= Guidance Value, recommended value where no standard has been promugulated

* applies to the sum of these substances

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

p The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

^ ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

TABLE 5C

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030
September, 2014

Groundwater Metals

EPA 6010C / 7470A (results in kg/L / ppm)														
Contaminant	MW 1	MW 2	MW 3	MW 4	MW 5	MW 6	MW 7	MW 8	MW 9	MW 10	MW 11	MW 12	**TOGS 1.1.1 GA**	
Arsenic	**0.073**	**0.27**	**0.26**	**0.55**	**0.19**	**0.35**	**0.35**	**0.34**	**0.21**	**0.39**	**0.33**	**0.26**	0.025	s
Barium	0.45	**1.2**	**3.4**	**2.7**	0.85	**1.7**	**2.1**	**2.4**	**1.3**	**3.7**	**2.1**	**1.4**	1	s
Beryllium	0.003	**0.0096**	**0.012**	**0.014**	**0.0079**	**0.015**	**0.016**	**0.014**	**0.012**	**0.018**	**0.019**	**0.011**	0.003	gv
Cadmium	0.0015	0.0027	**0.0099**	**0.0082**	0.0024	**0.0058**	0.0018	**0.0054**	0.0025	0.0037	0.004	0.0032	0.005	s
Chromium	**0.087**	**0.26**	**0.34**	**0.73**	**0.21**	**0.4**	**0.45**	**0.58**	**0.34**	**0.47**	**0.52**	**0.32**	0.05	s
Copper	0.15	**0.58**	**1.6**	**1.3**	**0.45**	**0.92**	**0.88**	**0.92**	**0.67**	**1.1**	**1.1**	**0.69**	0.2	s
Cyanide	<0.010	<0.010	0.0064	0.0090	<0.010	0.0084	<0.010	0.0090	0.0074	0.0054	<0.010	<0.010	0.2	s
Lead	**0.086**	**0.33**	**0.5**	**0.86**	**0.28**	**0.75**	**0.75**	**0.59**	**0.8**	**0.93**	**0.87**	**0.39**	0.025	s
Manganese	**6.1 B**	**11.7 B**	**20.4 B**	**40.4 B**	**2.8 B**	**21.8 B**	**10.8**	**38**	**10.3**	**35.4**	**16.9**	**20**	0.3*	s
Total Mercury	0.0003	**0.0009**	**0.0016**	**0.0008**	0.0005	**0.0011**	**0.0015**	**0.0008**	**0.0014**	**0.0011**	0.0006	0.0006	0.0007	s
Nickel	**0.12**	**0.43**	**0.77**	**1.2**	**0.36**	**0.81**	**0.86**	**0.92**	**0.58**	**1.2**	**1.1**	**0.65**	0.1	s
Selenium	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**0.015 J**	<0.025	0.01	s
Silver	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	0.05	s
Zinc	0.44 B	1.3 B	1.8 B	**2.2 B**	1.2 B	**2.3 B^**	**2.2 B**	**2.2 B**	1.9 B	**2.8 B**	**2.7 B**	1.8 B	2	gv
Aluminum	54.6	185	254	298	150	308	320	290	243	352	365	233	NE	
Antimony			**0.0079**	**0.013 J**		**0.015 J**	**0.029**	**0.026**	**0.025**	**0.037**	**0.038**	**0.021**	0.003	s
Calcium	484	595	834	1490 ^	628	1380 ^	2080 B	1780 B	1290 B	1800 B	1380 B	1280 B	NE	
Cobalt	0.043	0.18	0.25	0.42	0.15	0.3	0.36	0.32	0.21	0.4	0.47	0.21	NE	
Iron	**103 B**	**354 B**	**413 B**	**604 B**	**303 B**	**546 B**	**508 B**	**448 B**	**395 B**	**587 B**	**606 B**	**391 B**	0.3	s
Magnesium	**104**	**209**	**424**	**446**	**137**	**337**	**643**	**636**	**294**	**378**	**349**	**339**	35	gv
Potassium	15.4	34.2	45.6	51.8	25.4	59	58.6	57.6	46.5	65.2	67.5	46.1	NE	
Sodium	**25.6**	**29.4**	9.3	**32.1**	10.2	**27.4**	**29.3**	**23.1**	**22.6**	**26.8**	**33.2**	**42.9**	20	s
Vanadium	0.098	0.29	0.43	0.52	0.27	0.52	0.54	0.49	0.41	0.62	0.65	0.4	NE	

Bold: Exceed TOGS 1.1.1 . G.A. Values

All Ambient Water Quality Standards and Guidance Values are in parts per billion (ppb). See Technical Support Document (TSD). Footnotes
NE=Not Established

ND means a non-detectable concentration by the approved analytical methods referenced in section 700.3 of TOGS 1.1.1
* also see iron and manganese
s=Standard that has been promugulated and placed into regulation
gv= Guidance Value, recommended value where no standard has been promugulated

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

^ ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

TABLE 5D

NATURE'S WAY
ENVIRONMENTAL
Consultants & Contractors, Inc.

3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

Subsurface Investigation Report
Duofold Corporation
NYSDEC Site#622030
7 Spruce Street
Ilion, NY

Appendices

1 Survey
2 Soil Boring Logs
3 Cross Section

NATURE'S WAY
ENVIRONMENTAL
Consultants & Contractors, Inc.

3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

Subsurface Investigation Report
Duofold Corporation
NYSDEC Site#622030
7 Spruce Street
Ilion, NY

Appendix 1

Survey

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030

GPS Corridnates
Soil Borings / Monitoring Wells

Monitoring Well #	X	Y	Elevation at the Top of PVC	Ground Elevation
MW1	1104280.772	1234011.479	392.34291	
MW1	1104280.826	1234011.482		392.85749
MW2	1104209.196	1233836.904	394.05569	
MW2	1104209.173	1233836.903		394.37725
MW3	1104487.03	1233525.394	392.15502	
MW3	1104487.117	1233525.448		392.561
MW4	1104063.221	1234164.106	393.7625	
MW4	1104063.04	1234164.07		394.07536
MW5	1104006.159	1233815.261	393.34509	
MW5	1104006.092	1233815.314		393.76087
MW6	1103954.693	1233985.529	393.0922	
MW6	1103954.744	1233985.431		393.46493
MW7	1103847.425	1234226.72	392.53047	
MW7	1103847.47	1234226.846		392.78967
MW8	1104197.453	1234455.216	391.23423	
MW8	1104197.29	1234455.158		391.62054
MW9	1103908.979	1234774.649	392.90751	
MW9	1103908.909	1234774.616		393.33692
MW10	1104038.062	1234884.503	391.56497	
MW10	1104038.142	1234884.622		392.06535
MW11	1103931.445	1234195.683	393.29749	
MW11	1103931.484	1234195.579		393.81774
MW12	1103966.147	1234109.327	393.64338	
MW12	1103966.057	1234109.426		393.93467

Duofold Corporation Investigation
7 Spruce Street, Herkimer, NY
NYSDEC Site #622030

GPS Corridnates
Soil Borings / Monitoring Wells

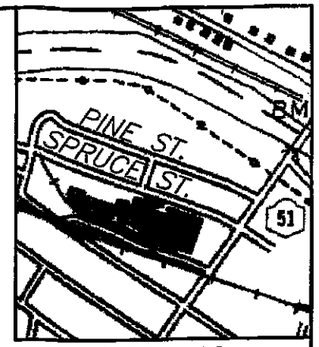
Soil Boring # & Sub-Foundation Sample #	X	Y	Ground Elevation
SB1	1104066.714	1234817.215	391.86237
SB2	1103990.222	1234847.862	392.40673
SB3	1103869.97	1234751.645	393.11331
SB4	1104003.998	1234797.143	393.22297
SB5	1104107.62	1234708.39	390.72293
SB6	1104136.145	1234621.476	391.49884
SB7 (SF)	1103862.338	1234677.508	394.13458
SB8 (SF)	1104024.629	1234619.668	393.21084
SB9 (SF)	1103866.757	1234552.83	394.11179
SB10 (SF)	1103940.551	1234402.105	394.10986
SB11 (SF)	1103993.383	1234416.714	394.05361
SB12 (SF)	1104075.3	1234441.087	393.28451
SB13	1104059.174	1234231.131	393.43805
SB14	1104152.285	1234089.534	393.57463
SB15	1104184.148	1234023.55	393.03216
SB16	1104079.319	1234068.431	394.26444
SB17	1104007.547	1234046.098	393.5098
SB18	1103927.035	1234099.31	392.98197
SB19	1103977.673	1233912.665	393.28578
SB20	1103893.012	1234183.447	392.53853
SB21	1103949.662	1234152.107	393.39992
SB22	1104200.718	1233860.261	394.32894
SB23	1104246.006	1233848.326	392.13828
SB24	1104196.351	1233714.673	392.54889
SB25	1104365.423	1233503.52	392.4748
SB26	1104350.488	1233768.019	392.25688
SB27	1104410.58	1233831.068	391.94945
SB28	1104366.251	1233950.66	392.20124
SB29	1104378.007	1234280.592	391.141

Grid North of Central Meridian

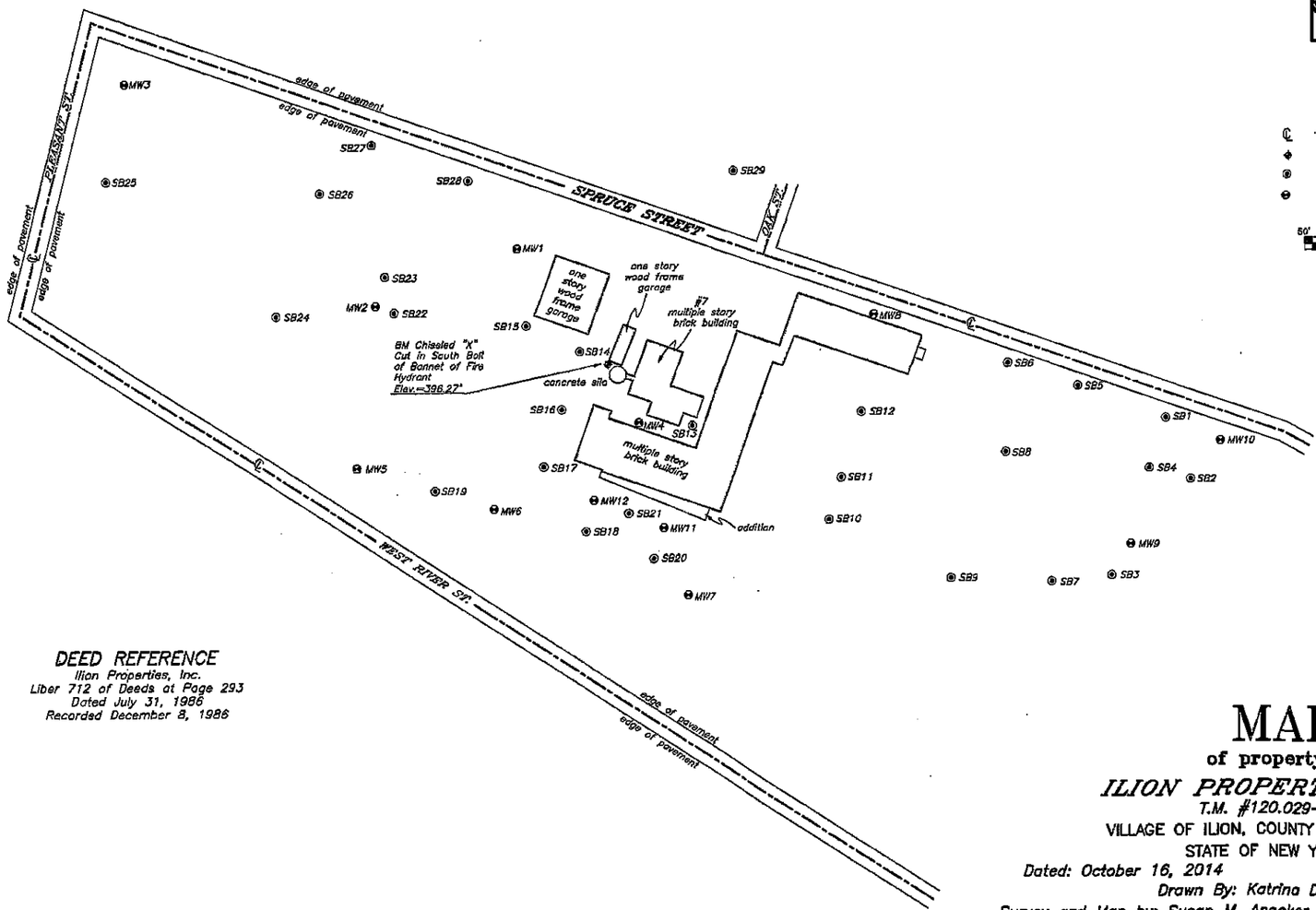
NOTES:

Underground utilities exist on this parcel. Due to their unknown underground location they are subject to field verification. Call "Call Before You Dig" @ 811 at least two (2) working days prior to any digging.

Horizontal datum based on NAD 83.
Vertical datum based on NAVD88.



LOCATION MAP



LEGEND

- ℄ Centerline (existing)
- ◆ Bench Mark
- ⊙ Soil Boring
- ⊖ Monitoring Well

50' 0 50' 100'

DEED REFERENCE
Ilion Properties, Inc.
Liber 712 of Deeds at Page 293
Dated July 31, 1986
Recorded December 8, 1986

MAP

of property of

ILION PROPERTIES, INC.

T.M. #120.029-1-63

VILLAGE OF ILION, COUNTY OF HERKIMER
STATE OF NEW YORK

Dated: October 16, 2014 *Scale: 1" = 100'*

Drawn By: Katrina Doxtader

Survey and Map by: Susan M. Anacker, Professional Land Surveyor
Susan M. Anacker, L.S. Lic # 50321
11082 Davis Road East, Deerfield, New York 13502
(315) 724-6800

Revised November 24, 2014 to rename soil borings

14-67

ORIGINAL STAMPED IN RED INK

NATURE'S WAY
ENVIRONMENTAL
Consultants & Contractors, Inc.

3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

Subsurface Investigation Report
Duofold Corporation
NYSDEC Site#622030
7 Spruce Street
Ilion, NY

Appendix 2

Soil Boring Logs

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 1

DATE: 9/15/14 ELEVATION: 391.86237

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Moist, dark gray (SANDY-SILT) topsoil/ fill with little to some very fine size sand, occasional fine size roots (0.5 / 0.8)	1.0'	Topsoil/fill to 0.5 foot over coarse silty fill with little gravel to 0.8 foot over silty slack water sediment with trace sand to end of boring
2						0		Moist, brown, gravelly (SANDY-SILT) with 15 to 25% gravel, little to some very fine size sand (2.0)	1.0'	
3						0		Moist, brown (SILT) with trace very fine size sand, blocky soil structure	1.0'	
4						0		Extremely moist, gray (SILT) with trace very fine size sand, weakly thinly bedded (4.0)		No Water at Completion
								Earthprobe Completed at 4.0' BGS		

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 2

DATE: 9/15/14 ELEVATION: 392.40673

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Moist, dark gray, gravelly (SILTY-SAND) topsoil/fill with 20 to 40% gravel, little very fine size sand (0.5)	0.8'	Topsoil/fill to 0.5 foot over silty fill with little sand to 1.5 feet over sand and gravel fill with cinders and ash to end of boring
2						0		Moist, brown (SILT) fill with little very fine size sand (1.5)	0.8'	
3						0		Moist, mixed brown to dark gray, very gravelly (SILTY-SAND) fill with 40 to 60% gravel, cinders and ash	0.8'	
4						0		(4.0)	0.8'	
								Earthprobe Completed at 4.0' BGS		No Water at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 3

DATE: 9/15/14 ELEVATION: 393.11331

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Moist, dark brown (SILTY-SAND) topsoil / fill with very fine size sand 0.5	1.0'	Topsoil / fill to 0.5 foot over sandy fill with trace gravel to 2.0 feet over silty tending toward clayey slack water sediment to end of boring
2						0		Moist, mixed brown and dark brown (SILTY-SAND) fill with 10 to 15% gravel, with occasional pockets of (SILT) fill 2.0	1.0'	
3						0		Moist, brown (CLAYEY-SILT) with little to some clay, weakly thinly bedded with very thin coarse silt lenses	1.0'	
4						0		4.0	1.0'	
								Earthprobe Completed at 4.0' BGS		No Water at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 4

DATE: 9/16/14 ELEVATION: 393.22297

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand, with fine size roots (0.5)	1.0'	Topsoil / fill to 0.5 foot over coarse silty soil fill with trace gravel to 1.5 feet over silty fill with trace gravel and little clay to end of boring
2						0		Moist, brown (SANDY-SILT) fill with 10 to 15% gravel, little very fine size sand (1.5)	1.0'	
3						0		Moist, brown (CLAYEY-SILT) fill with 5 to 10% gravel with occasional red brick fragments, little clay	1.0'	
4						0		(4.0)	1.0'	
								Earthprobe Completed at 4.0' BGS		No Water at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 5

DATE: 9/16/14 ELEVATION: 390.72293

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Moist, dark brown (SANDY-SILT) topsoil / fill with 5 to 15% gravel, little to some very fine size sand (0.6)	1.0'	Topsoil / fill to 0.6 foot over silty fill with trace gravel to 1.0 foot over silty slack water sediment to 3.0 feet over silty lake sediment with trace clay to end of boring
2						0		Moist, brown (SILT) fill with 5 to 15% gravel and red brick fragments (1.0)	1.0'	
3						0		Moist, brown (SILT) with trace very fine size sand, weakly thinly bedded (3.0)	1.0'	
4						0		Moist, dark gray (SILT) with trace clay, thinly laminated with very thin coarse silt lenses (4.0)	1.0'	No Water at Completion
								Earthprobe Completed at 4.0' BGS		

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 6

DATE: 9/16/14 ELEVATION: 391.49884

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Extremely moist, dark brown (SILT) topsoil / fill with trace very fine size sand with fine size roots (0.5)	0.8'	Topsoil / fill to 0.5 foot over sand and gravel fill to 1.5 feet over sandy slack water sediment to 3.0 feet over silty lake sediment to end of boring
2						0		Moist, brown, very gravelly (SILTY-SAND) fill with 40 to 50% gravel, very fine to fine size sand, little silt (1.5)	0.8'	
3						0		Extremely moist to wet, brown (SILTY-SAND) with very fine size sand, little to some silt, thinly bedded (3.0)	0.8'	
4						0		Extremely most, dark gray (SILT) with trace clay, thinly bedded (4.0)	0.8'	No Water at Completion
								Earthprobe Completed at 4.0' BGS		

0
5
10
15

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 7 (SF)

DATE: 9/16/14

ELEVATION: 394.13458

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Wood Floor 0.4	0.8'	Wood floor to 0.4 foot over gravel fill to 0.6 foot over silty soil fill to end of boring
								Gravel fill 0.6		
2						0		Extremely moist, brown (SILT) fill with trace clay, with pockets of (SILTY-SAND) fill	0.8'	
3						0			0.8'	
4						0		4.0	0.8'	
								Earthprobe Completed at 4.0' BGS		No Water at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 8 (SF)

DATE: 9/16/14

ELEVATION: 393.21084

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Degraded Concrete 0.6	0.7'	Degraded concrete to 0.6 foot over coarse silty soil fill with trace gravel to 3.0 feet over sandy fill with some gravel to end of boring
2						0		Extremely moist, gray and brown (SANDY- SILT) fill with 5 to 10% gravel, little very fine size sand (SLIGHT CHEMICAL ODOR)	0.7'	
3						0		3.0	0.7'	
4						0		Moist, gray, gravelly (SILTY-SAND) fill with 20 to 40% gravel, very fine size sand, little silt 4.0	0.7'	No Water at Completion
								Earthprobe Completed at 4.0' BGS		

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 9 (SF)
(Hand Auger Boring)

DATE: 9/16/14 ELEVATION: 394.11179

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Wood 0.4	1.0'	Wood deck to 0.4 foot over cinder fill to 0.6 foot over silty soil fill to end of boring
								Moist, dark gray (CINDER) fill 0.6		
2						0		Moist, brown (SILT) fill with trace clay 2.0	1.0'	
								Earthprobe Completed at 2.0' BGS		No Water at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 10 (SF)

DATE: 9/16/14

ELEVATION: 394.10986

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Degraded concrete 0.3	0.6'	Concrete to 0.3 foot over coarse silty fill with little gravel to 1.5 feet over coarse silty fill with little sand to end of boring
2						0		Moist, mixed brown and dark gray, gravelly (SANDY-SILT) fill with 15 to 25% gravel, little very fine size sand 1.5	0.6'	
3						0		Moist, brown (SANDY-SILT) fill with little very fine size sand, with pockets of (SILTY-SAND) and (CLAYEY-SILT)	0.6'	
4						0		4.0	0.6'	
								Earthprobe Completed at 4.0' BGS		No Water at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 11 (SF)

DATE: 9/16/14

ELEVATION: 394.05361

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Concrete 0.3 Cinder fill 0.6	1.0'	Concrete to 0.3 foot over cinder fill to 0.6 foot over sandy fill with little gravel to 1.5 feet over apparent clayey lake sediment to end of boring No Water at Completion
2						0		Moist, brown, gravelly (SILTY-SAND) fill with 15 to 25% gravel, very fine to fine size sand 1.5 Moist, brown (CLAYEY-SILT) with some clay, blocky soil structure 2.0 Earthprobe Completed at 2.0' BGS	1.0'	

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 12 (SF)

DATE: 9/16/14

ELEVATION: 393.28451

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Concrete 0.3	1.0'	Concrete to 0.3 foot over sandy fill with some gravel to end of boring
2						0		Extremely moist, mixed brown and dark gray, gravelly (SILTY-SAND) fill with 20 to 40% gravel, very fine size sand, little silt 2.0	1.0'	
								Earthprobe Completed at 2.0' BGS		No Water at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 13

DATE: 9/16/14 ELEVATION: 393.43805

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Asphalt 0.2 Sand and Gravel fill 0.5	1.0'	Asphalt to 0.2 foot over sand and gravel fill to 0.5 foot over mixed soil fill to end of boring
2						0		Moist, brown, mixed (CLAYEY-SILT) fill and (SILTY-SAND) fill with 5 to 15% gravel 2.0 Earthprobe Completed at 2.0' BGS	1.0'	No Water at Completion

0
5
10
15

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 14

DATE: 9/16/14 ELEVATION: 393.57463

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Extremely moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand, with fine size roots (0.5)	0.9'	Topsoil / fill to 0.5 foot over sandy fill with some gravel to 0.8 foot over cinders, coal and ash fill to 3.0 feet sand and gravel fill to end of boring
2						0		Extremely moist, gray, gravelly (SILTY-SAND) fill with 20 to 40% gravel, very fine to fine size sand (0.8)	0.9'	
3						0		Moist, dark gray to black and rusty brown, cinders/coal and ash fill (3.0)	0.9'	
4						0		Moist, gray, very gravelly (SILTY-SAND) fill with 40 to 50% gravel, very fine to coarse size sand, little silt (4.0)	0.9'	No Water at Completion
								Earthprobe Completed at 4.0' BGS		

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 15

DATE: 9/16/14 ELEVATION: 393.03216

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand 0.4	1.0'	Topsoil / fill to 0.4 foot over sandy fill with some gravel to 0.8 foot over coarse silty fill with trace gravel to end of boring
								0.8		
2						0		Moist, black, gravelly (SILTY-SAND) fill with 20 to 40% gravel and coal fragments	1.0'	
								2.0		No Water at Completion
								Moist, brown, gravelly (SANDY-SILT) fill with 5 to 10% gravel, coal and red brick fragments		
								Earthprobe Completed at 2.0' BGS		

0
5
10
15

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 16

DATE: 9/17/14 ELEVATION: 394.26444

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Extremely moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand with fine size roots (0.5)	1.0'	Topsoil / fill to 0.5 foot over coarse silty fill with trace gravel to 1.0 foot over sand and gravel fill to end of boring
2						0		Moist, brown (SANDY-SILT)) fill with 5 to 15% gravel, little very fine size sand (1.0)	1.0'	No Water at Completion
								Moist, brown, very gravelly (SILTY-SAND) fill with 40 to 50% gravel and red brick fragments, very fine to fine size sand (2.0)		
								Earthprobe Completed at 2.0' BGS		

0
5
10
15

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 17

DATE: 9/17/14 ELEVATION: 393.5098

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Extremely moist, dark brown (SANDY-SILT) topsoil / fill with very fine size sand, fine size roots (0.3)	1.0'	Topsoil / fill to 0.3 foot over sandy fill with some gravel to end of boring
2						0		Moist, dark gray, gravelly (SILTY-SAND) fill with 20 to 40% gravel and coal fragments, very fine to fine size sand, little silt (1.4)	1.0'	No Water at Completion
								Moist, brown, gravelly (SILTY-SAND) with 20 to 40% gravel, very fine size sand, little silt (2.0)		
								Earthprobe Completed at 2.0' BGS		

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 18

DATE: 9/17/14 ELEVATION: 392.98197

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Extremely moist, gray, very gravelly (SILTY-SAND) fill with 40 to 60% gravel 0.5	1.0'	Sand and gravel fill to 0.5 foot over sandy fill with some gravel to end of boring
2						0		Moist, brown, gravelly (SILTY-SAND) fill with 20 to 40% gravel, very fine size sand, little silt 2.0	1.0'	No Water at Completion
								Earthprobe Completed at 2.0' BGS		

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 19

DATE: 9/17/14 ELEVATION: 393.28578

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Extremely moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand, with fine size roots (0.4)	1.0'	Topsoil / fill to 0.4 foot over sand and gravel fill to end of boring
2						0		Moist, brown, very gravelly (SILTY-SAND) fill with 40 to 60% gravel, very fine to fine size sand (2.0)	1.0'	No Water at Completion
								Earthprobe Completed at 2.0' BGS		

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 20

DATE: 9/17/14 ELEVATION: 392.53853

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Extremely moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand, with fine size roots (0.1)	1.0'	Topsoil / fill to 0.1 foot over sandy fill with some gravel, cinders, ash and coal to end of boring
2						0		Moist, dark brown and dark gray, gravelly (SILTY-SAND) fill with 20 to 40% gravel, cinder, ash and coal fragments, very fine to coarse size sand (2.0)	1.0'	No Water at Completion
								Earthprobe Completed at 2.0' BGS		

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 21

DATE: 9/17/14 ELEVATION: 393.39992

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Moist, dark gray (SANDY-SILT) topsoil / fill with little very fine size sand (0.2)	1.0'	Topsoil / fill to 0.2 foot over sand and gravel fill to 2.0 feet over sandy fill with some gravel to end of boring
2						0		Moist, dark gray to black, very gravelly (SILTY-SAND) fill with 40 to 50% gravel with cinders and ash, very fine size sand, little silt (2.0)	1.0'	
3						0		Moist, brown, gravelly (SILTY-SAND) fill with 20 to 40% gravel, very fine to fine size sand, little silt (4.0)	1.0'	
4						0		Earthprobe Completed at 4.0' BGS	1.0'	No Water at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 22

DATE: 9/17/14 ELEVATION: 394.32894

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Extremely moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand (0.2)	0.8'	Topsoil / fill to 0.2 foot over gravel fill to 1.5 feet over coarse silty fill with some gravel to end of boring
2						0		Gravel fill (1.5)	0.8'	
3						0		Moist, brown, gravelly (SANDY-SILT) fill with 20 to 40% gravel with occasional cinders and ash, little to some very fine size sand	0.8'	
4						0		(4.0)	0.8'	
								Earthprobe Completed at 4.0' BGS		No Water at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 23

DATE: 9/17/14 ELEVATION: 392.13828

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Moist, dark brown (SANDY-SILT) topsoil / fill with some very fine size sand, with fine size roots (0.5)	1.0'	Topsoil / fill top 0.5 foot over sandy fill with little gravel to 1.0 foot over silty fill with little gravel and clay to end of boring
2						0		Moist, dark gray, gravelly (SILTY-SAND) fill with 15 to 25% gravel, very fine to fine size sand (1.0)	1.0'	No Water at Completion
								Moist, brown, gravelly (CLAYEY-SILT) fill with 15 to 25% gravel, little clay (2.0)		
								Earthprobe Completed at 2.0' BGS		

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 24

DATE: 9/17/14 ELEVATION: 392.54889

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand, with fine size roots (0.4)	1.0'	Topsoil / fill to 0.4 foot over coarse silty fill with trace gravel to 0.7 foot over sandy fill with some gravel to end of boring
2						0		Moist, faintly mottled, brown (SANDY-SILT) fill with 10 to 15% gravel, little very fine size sand (0.7)	1.0'	No Water at Completion
								Moist, dark gray, gravelly (SILTY-SAND) fill with 20 to 40% gravel, cinders and ash (2.0)		
								Earthprobe Completed at 2.0' BGS		

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 25

DATE: 9/17/14 ELEVATION: 392.4748

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand 0.4 / 0.8	1.0'	Topsoil / fill to 0.4 foot over sandy fill with little gravel to 0.8 foot over sandy fill with some gravel to end of boring
2						0		Moist, dark gray, gravelly (SILTY-SAND) fill with 15 to 30% gravel, very fine size sand, little silt 2.0	1.0'	No Water at Completion
								Moist, brown, gravelly (SILTY-SAND) fill with 20 to 40% gravel with red bricks		
								Earthprobe Completed at 2.0' BGS		

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 26

DATE: 9/17/14 ELEVATION: 392.25688

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Moist, dark gray (SILTY-SAND) topsoil / fill with very fine size sand, little silt, with fine size roots (0.4)	1.0'	Topsoil / fill to 0.4 foot over sandy fill with little gravel and cinders to 1.4 feet over sandy fill with trace gravel to end of boring
2						0		Moist, dark gray, gravelly (SILTY-SAND) fill with 15 to 25% gravel with cinders (1.4)	1.0'	No Water at Completion
								Moist, brown (SILTY-SAND) fill with 5 to 15% gravel, very fine size sand, little silt (2.0)		
								Earthprobe Completed at 2.0' BGS		

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 27

DATE: 9/18/14 ELEVATION: 391.94945

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Moist, dark gray (SANDY-SILT) topsoil / fill with little very fine size sand, with fine size roots (0.3)	1.0'	Topsoil / fill to 0.3 foot over sandy fill with little gravel to end of boring
2						0		Moist, dark gray becoming brown below 1.0', gravelly (SILTY-SAND) fill with 15 to 25% gravel, very fine size sand, little silt (2.0)	1.0'	No Water at Completion
								Earthprobe Completed at 2.0' BGS		

LOGGED BY: Dale M. Gramza / Senior Geologist PAGE 1 of 1

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 28

DATE: 9/18/14 ELEVATION: 392.20124

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Moist, dark brown, very gravelly (SILTY-SAND) topsoil / fill with 40 to 50% gravel, very fine to fine size sand, little silt (0.3)	1.0'	Topsoil / fill to 0.3 foot over sandy fill with some gravel to end of boring
2						0		Moist, gray and brown, gravelly (SILTY-SAND) fill with 20 to 40% gravel, very fine to fine size sand, little silt (2.0)	1.0'	No Water at Completion
								Earthprobe Completed at 2·0' BGS		

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 29

DATE: 9/18/14 ELEVATION: 391.141

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
1						0		Asphalt Pavement 0.1 Moist, dark gray, gravelly (SILTY-SAND) 0.8 fill with 20 to 40% gravel with occasional red brick fragments, very fine size sand	1.0'	Asphalt pavement to 0.1 foot over sandy fill with some gravel to 0.8 foot over silty soil fill with little gravel and clay to end of boring
2						0		Moist, brown, gravelly (CLAYEY-SILT) fill 2.0 with 15 to 25% gravel, little clay Earthprobe Completed at 2·0' BGS	1.0'	No Water at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC

3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

Hole Number: SB 30

DATE: 9/25/14 ELEVATION: 392.57516

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	N	OVM	LITH	DESCRIPTION AND CLASSIFICATION	REC	COMMENTS
*								Fill		* Advanced 4 1/4 HSA without sampling to 2.0'
								2.0		
1	16					0		Moist, brown, gravelly (SILTY-SAND) fill with 20 to 40% gravel, very fine to medium size sand, little silt, compact in place	1.7'	Below 2.0' sandy fill with some gravel and little silt to end of boring
		14			30					
			16							
				13						
2	7					0			1.5'	
		8			16					
			8							
				10						
								8.0		
								Earthprobe Completed at 8.0' BGS		No Water at Completion
										Note: No samples were submitted for analytical testing

0
5
10
15

LOGGED BY: Dale M. Gramza / Senior Geologist PAGE 1 of 1

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC
3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

HOLE NUMBER: MW 1

DATE: 9/17/14

ELEVATION: 392.85749

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	PID (ppm)	LITH	DESCRIPTION AND CLASSIFICATION	REC	MONITORING WELL	REMARKS	COMMENTS
1	15				0		Moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand (0.2 / 0.8)	2.0'		TOC ELEVATION 392.34291	Topsoil to 0.2 foot over silty soil fill with little gravel to 0.8 foot over sandy fill with little gravel to 3.0 feet over water sorted and deposited sand with little silt to 4.0 feet over silty tending toward clayey lake sediment to 8.5 feet over water sorted and deposited sand and gravel with trace to little silt to 15.5 feet over silty tending toward clayey lake sediment to end of boring
		12					Moist, brown, gravelly (SANDY-SILT) fill with 15 to 25% gravel, little clay, compact		1.5	Cement / Bentonite Grout	
			14				Moist, dark gray, gravelly (SILTY-SAND) fill with 15 to 25% gravel with occasional slag fragments, very fine to fine size sand, little silt, compact in place (3.0)				
				12					3.5	Bentonite Seal	
2	2				0			2.0'		2" PVC Riser Pipe	
		3					Wet, brown (SILTY-SAND) with very fine size sand, loose, weakly thinly bedded (4.0)				
			3								
				4			Extremely moist, gray (CLAYEY-SILT) with little to some clay, firm, thinly laminated with very thin coarse silt lenses		5.5		
							(8.5)				▼ Water Level at 6.9' BGS at 7:15 AM on 9/18/14 with 4¼ HSA at 8.5'
3	12				0		Wet, brown, very gravelly (SILTY-SAND) with 40 to 50% gravel, very fine to coarse size sand, trace to little silt, compact in place	1.6'		#2 Size Sand	
		14									
			10								
				11							
4	6				0			1.5'		2" 10 Slot PVC Screen	
		11									
			13								
				5			(15.5)		15.5		
5	1				0		Extremely moist to wet, gray (CLAYEY-SILT) with little to some clay, very soft, thinly laminated with very thin coarse silt lenses	2.0'			
		1									
			1								
				1			(17.5)		17.5		
							Boring Completed at 17.5' BGS				

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC
3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

HOLE NUMBER: MW 2

DATE: 9/18/14

ELEVATION: 394.37725

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	PID (ppm)	LITH	DESCRIPTION AND CLASSIFICATION	REC	MONITORING WELL	REMARKS	COMMENTS
1	*				0		Moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand, with fine size roots (0.5)	2.0'		TOC ELEVATION 394.05569	Topsoil / fill to 0.5 foot over silty fill with trace gravel to 1.0 foot over sandy fill with trace gravel to 2.3 feet over concrete rubble to 6.0 feet over silty lake sediment to 12.0 feet over water sorted and deposited sand and gravel with little silt to end of boring
							Moist, brown (CLAYEY-SILT) fill with 5 to 15% gravel, little clay (1.0)				
							Moist, dark gray (SILTY-SAND) fill with 5 to 15% gravel, very fine to medium size sand, little silt (2.3)				
							Concrete rubble fill				
							(6.0)		2.0	Cement / Bentonite Grout	
										Bentonite Seal	
									4.0	2" PVC Riser Pipe	
2	10				0		Moist, grayish brown to brown (CLAYEY-SILT) with little clay, thinly laminated with very thin coarse silt lenses	1.2'	6.0	#2 Size Sand	
		7									
			6								
				12							
3	3				0			1.8'		2" 10 Slot PVC Screen	▼ Water Level at 8.5' BGS at Completion
		4									
			4								
				5							
							(12.0)				
4	16				0		Wet, brown, very gravelly (SILTY-SAND) with 40 to 60% gravel, very fine to coarse size sand, little silt, dense in place, stratified	2.0'			Note: Sample #1 obtained with an Earthprobe 0.0'-2.0'
		20									
			20								
				23							
							(16.0)		16.0		
							Boring Completed at 16.0' BGS				

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC
3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

HOLE NUMBER: MW 3

DATE: 9/18/14

ELEVATION: 392.561

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	PID (ppm)	DESCRIPTION AND CLASSIFICATION	REC
1	*				0	Extremely moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand, with fine size roots (0.2)	2.0'
						Moist, brown (CLAYEY-SILT) fill with 5 to 10% gravel, little clay (1.8)	
						Moist, brown (SILTY-SAND) fill with very fine size sand, little silt (3.0)	
2	1				0	Extremely moist, brown to gray (SILT) with trace clay, very loose, thinly bedded with thin (SILTY-SAND) layers	2.0'
		2					
			1				
				2			
3	5				0		1.6'
		6				(10.0)	
			14			Wet, gray, very gravelly (SILTY-SAND) with 40 to 50% gravel, very fine to fine size sand, little to some silt, compact, stratified	
				11			
4	8				0	(14.5)	1.5'
		10				Wet, brown and gray (SILT) with trace very fine size sand, compact, thinly bedded	
			13				
				14		(16.0)	
						Boring Completed at 16.0' BGS	

MONITORING WELL: TOC ELEVATION 392.15502; Cement / Bentonite Grout (1.0); Bentonite Seal (3.0); 2" PVC Riser Pipe (5.0); #2 Size Sand; 2" 10 Slot PVC Screen (15.0); (16.0)

REMARKS: ▼ Water Level at 10.1' BGS at Completion

COMMENTS: Topsoil / fill to 0.2 foot over silty fill with trace gravel to 1.8 feet over sandy fill with little silt to 3.0 feet over silty slack water sediment with trace clay to 10.0 feet over water sorted and deposited sand and gravel with little to some silt to 14.5 feet over silty lake sediment to end of boring

Note: Sample #1 obtained with an Earthprobe 0.0'-2.0'

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC
3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

HOLE NUMBER: MW 4

DATE: 9/19/14

ELEVATION: 394.07536

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	PID (ppm)	LITH	DESCRIPTION AND CLASSIFICATION	REC	MONITORING WELL	REMARKS	COMMENTS
1	27				0		Asphalt 0.1	1.8'		TOC ELEVATION 393.7625	Asphalt to 0.1 foot over sand and gravel fill to 0.4 foot over sandy fill with some gravel to 3.0 feet over sandy fill with trace gravel to 8.0 feet over coarse silty fill with trace cinders to 10.0 feet over sand and gravel fill with cinders to 13.0 feet over water sorted and deposited sand and gravel to end of boring
		7					Sand and Gravel fill 0.4				
			8				Moist, dark gray (SILTY-SAND) fill with 20 to 40% gravel, with coal fragments, very fine to fine size sand, compact 3.0			1.5 Cement / Bentonite Grout	
				9						Bentonite Seal 4.0	
2	2				0		Extremely moist, brown (SILTY-SAND) fill with 5 to 10% gravel with occasional glass fragments, very fine size sand, little silt, very loose	2.0'		2" PVC Riser Pipe	
		1									
			2							6.0	
				5							
3	1				0		Extremely moist to wet, dark gray (SANDY-SILT) fill with 5 to 10% cinders, little very fine size sand, loose 10.0	2.0'		#2 Size Sand	▼ Water Level at 8.5' BGS at Completion
		2									
			6				Wet, light brown, very gravelly (SILTY- SAND) fill with 40 to 50% gravel and cinders, very fine to coarse size sand, little silt, loose 13.0			2" 10 Slot PVC Screen	
				8							
4	6				0		Wet brown, very gravelly (SILTY-SAND) with 40 to 50% gravel, very fine to coarse size sand, little silt, compact, stratified	1.8'			
		12									
			15								
				21			16.0			16.0	
							Boring Completed at 16.0' BGS				

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC
3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

HOLE NUMBER: MW 5

DATE: 9/22/14

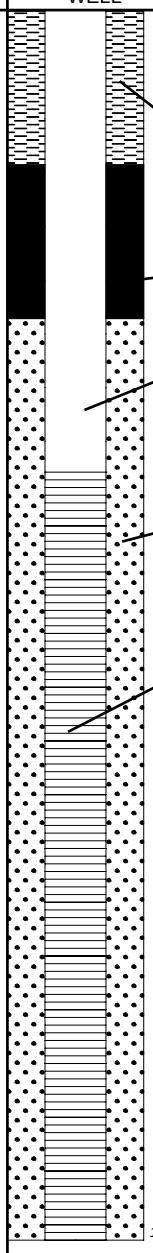
ELEVATION: 393.76087

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	PID (ppm)	LITH	DESCRIPTION AND CLASSIFICATION	REC
1	5				0		Moist, dark brown (SANDY-SILT) topsoil / fill with 5 to 15% gravel, little very fine size sand, compact with fine size roots	1.7'
		11					0.6	
			30				Moist, dark gray, gravelly (SILTY-SAND) fill with 15 to 25% gravel, very fine to fine size sand, little silt, dense	
				23			1.5	
2	4				0		Moist, brown, very gravelly (SILTY-SAND) fill with 40 to 50% mostly fine size gravel, little silt, dense in place	0.3'
		6					4.5	
			6				Moist, brown (SILT) with trace very fine size sand, compact, weakly thinly bedded	
				10				
3	2				0			1.7'
		2					6.5	
			2				Extremely moist, olive brown (CLAYEY-SILT) with some clay, firm, thinly laminated with very thin coarse silt lenses	
				5			7.5	
4	1				0		Wet, brown, gravelly (SILTY-SAND) with 20 to 40% gravel and white shell fragments, very fine to coarse size sand, loose, thinly bedded	1.8'
		1					9.5	
			2				Wet, gray (SILT) with trace to little clay, very loose, thinly laminated with wet (SILTY-SAND) layers, 1" to 2" thick	
				2				
							13.5	
5	2				0		Wet, brown (SILTY-SAND) with very fine size sand, little silt, very loose, thinly bedded	1.9'
		1						
			1				15.5	
				1			Extremely moist, gray (SILT) with trace clay, very loose, thinly bedded, with partially decomposed organic material	
							16.0	
							Boring Completed at 16.0' BGS	



MONITORING WELL

REMARKS

TOC ELEVATION 393.34509

Cement / Bentonite Grout

Bentonite Seal

2" PVC Riser Pipe

#2 Size Sand

2" 10 Slot PVC Screen

COMMENTS

Topsoil / fill to 0.6 foot over sandy fill with little gravel to 1.5 feet over sand and gravel fill to 4.5 feet over silty slack water sediment with trace sand to 6.5 feet over silty tending toward clayey lake sediment to 7.5 feet over water sorted and deposited sand with some gravel to 9.5 feet over silty slack water sediment with sand layers to 13.5 feet over water sorted and deposited sand with little silt to 15.5 feet over silty lake sediment with trace clay to end of boring

▼ Water Level at 9.3' BGS at Completion

No Water at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC
3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

HOLE NUMBER: MW 6

DATE: 9/23/14

ELEVATION: 393.46493

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	PID (ppm)	LITH	DESCRIPTION AND CLASSIFICATION	REC	MONITORING WELL	REMARKS	COMMENTS
1	4				0		Moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand, compact with fine size roots (0.5)	1.8'		TOC ELEVATION 393.0922	Topsoil / fill to 0.5 foot over sandy fill with some gravel to 5.0 feet over silty slack water sediment with trace clay to 8.5 feet over water sorted and deposited gravel with little sand to end of boring
		7									
			13								
				16							
							Moist, brown, gravelly (SILTY-SAND) fill with 20 to 40% gravel with cobbles, very fine size sand, little silt, compact in place			Cement / Bentonite Grout (1.0)	
										Bentonite Seal (3.0)	
2	11				0			1.6'		2" PVC Riser Pipe (4.0)	
		7									
			6				(5.0)				
				4			Extremely moist, brown (SILT) with trace clay, stiff, thinly bedded				
							(8.5)				
3	20				0		Wet, brown (GRAVEL) with 50 to 70% gravel, little very fine to very coarse size sand, compact in place, loose when disturbed, stratified	1.0'		#2 Size Sand	▼ Water Level at 8.5' BGS at Completion
		12									
			9								
				12							
4	5				0			0.9'		2" 10 Slot PVC Screen	
		15									
			13								
				16							
5	17				0			0.3'			
		29									
			28								
				28			(15.0)				
							Boring Completed at 15.0' BGS				

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC
3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

HOLE NUMBER: MW 7

DATE: 9/23/14

ELEVATION: 392.78697

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	PID (ppm)	LITH	DESCRIPTION AND CLASSIFICATION	REC	MONITORING WELL	REMARKS	COMMENTS
1	4				0		Moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand, compact with fine size roots (0.4)	1.6'		TOC ELEVATION 392.53047	Topsoil / fill to 0.4 foot over sandy fill with some gravel to 4.5 feet over silty slack water sediment with trace to little clay to 8.5 feet over water sorted and deposited sand and gravel to 12.0 feet over water sorted and deposited sand to end of boring
		10							1.0	Cement / Bentonite Grout	
			39								
				50/3"					3.0	Bentonite Seal	
2	29				0		Moist, brown and dark gray, gravelly (SILTY-SAND) fill with 20 to 40% gravel with occasional cobbles, very fine size sand, little silt, dense (4.5)	0.7'	4.0	2" PVC Riser Pipe	
		8					Moist, brown (SILT) with trace to little clay, compact, weakly thinly bedded				
			6								
				10							
							(8.5)				
3	14				0		Wet, brown, very gravelly (SAND) with 40 to 60% gravel, very fine to coarse size sand, trace silt, compact in place, loose when disturbed, stratified	0.6'		#2 Size Sand	▼ Water Level at 8.9' BGS at Completion
		13									
			8								
				10							
							(12.0)				
4	2				0		Wet, brown (SILTY-SAND) with very fine size sand, little silt, very loose, thinly bedded with thin (SILT) seams (14.0)	1.0'		2" 10 Slot PVC Screen	
		1									
			1								
				2					14.0		
							Boring Completed at 14.0' BGS				No Water at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC
3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

HOLE NUMBER: MW 8

DATE: 9/24/14

ELEVATION: 391.62054

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	PID (ppm)	LITH	DESCRIPTION AND CLASSIFICATION	REC	MONITORING WELL	REMARKS	COMMENTS
1	5				0		Extremely moist, dark brown (SANDY-SILT) topsoil / fill with 5 to 15% gravel, little to some very fine size sand (0.5)	1.8'		TOC ELEVATION 391.23423	Topsoil / fill to 0.5 foot over sandy fill with some gravel and little silt to 3.0 feet over apparent silty alluvial sediment with trace to little clay to 8.0 feet over water sorted and deposited sand and gravel (possible ash fill) to 11.5 feet over water sorted and deposited sand and gravel to end of boring
		2									
			4								
				3							
							Moist, brown, gravelly (SILTY-SAND) fill with 20 to 40% gravel, very fine to fine size sand, little silt, loose (3.0)				
2	WH				0		Extremely moist, dark gray (SILT) with trace to little clay, loose, weakly thinly bedded	1.9'			
		1									
			3								
				6							
3	8				0		Wet, brown to light brown, very gravelly (SILTY-SAND) with 40 to 50% gravel, very fine to coarse size sand, compact (8.0)	0.4'		#2 Size Sand	WH - Sampler penetration with weight of Rods and Hammer
		13									
			12								
				8							
4	2				0		Wet, brown (GRAVEL) with 50 to 60% gravel, very fine to very coarse size sand, trace silt, compact in place, loose when disturbed, stratified (11.5)	1.6'		2" 10 Slot PVC Screen	
		5									
			6								
				4							
							Boring Completed at 14.0' BGS (14.0)				

Cement / Bentonite Grout (0.5 – 2.5)
Bentonite Seal (2.5 – 4.0)
2" PVC Riser Pipe (4.0 – 14.0)

▼ Water Level at 6.0' BGS at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC
3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

HOLE NUMBER: MW 9

DATE: 9/24/14

ELEVATION: 393.33692

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	PID (ppm)	LITH	DESCRIPTION AND CLASSIFICATION	REC	MONITORING WELL	REMARKS	COMMENTS
1	4				0		Moist, dark brown (SILTY-SAND) topsoil / fill with very fine size sand, loose with fine size roots (0.5)	1.4'		TOC ELEVATION 392.90751	Topsoil / fill to 0.5 foot over sandy fill with little gravel to 4.0 feet over sandy alluvial sediment to 9.0 feet over apparent clayey soil fill with ash and wood to 10.0 feet over apparent sandy fill with some gravel and ash to 12.0 feet over water sorted and deposited gravel to end of boring
		10					Moist, dark gray, gravelly (SILTY-SAND) fill with 15 to 25% gravel, very fine to fine size sand, little silt, dense in place			1.5 Cement / Bentonite Grout	
			22							Bentonite Seal	
				22			(4.0)			4.0	
2	5				0		Moist, brown, becoming gray below 5.5' (SILTY-SAND) fill with very fine size sand, little silt, compact, weakly thinly bedded with thin (SILT) lenses	1.7'		2" PVC Riser Pipe	
		7									
			5								
				10						6.0	
							(9.0)				
3	1				0		Extremely moist, brownish gray (CLAYEY- SILT) fill with white ash fragments and wood, little clay, firm (10.0)	1.9'		#2 Size Sand	▼ Water Level at ± 10.0' BGS at Completion
		2									
			3								
				4			Wet, gray, gravelly (SILTY-SAND) fill with 20 to 40% gravel with ash pieces, loose				
							(12.0)				
							Wet, brown (GRAVEL) with 50 to 60% gravel with occasional cobbles, very fine to coarse size sand, trace silt, loose, stratified				
4	2				0			1.0'		2" 10 Slot PVC Screen	
		4									
			5								
				3						16.0	
							(16.0) Boring Completed at 16.0' BGS				

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC
3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

HOLE NUMBER: MW 10

DATE: 9/24/14

ELEVATION: 392.06535

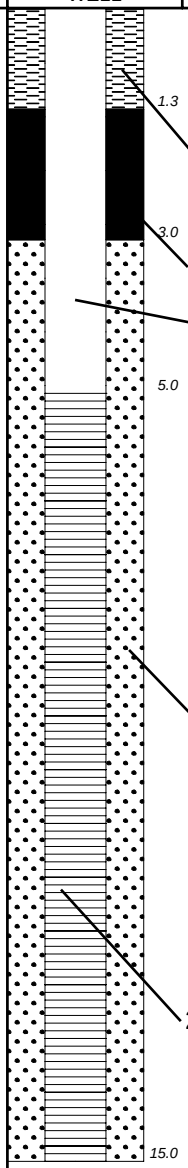
PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	PID (ppm)	DESCRIPTION AND CLASSIFICATION	REC
1	6				0	Extremely moist, dark brown (SILTY-SAND) topsoil / fill with very fine size sand, little silt, compact, with roots (0.5)	1.8'
		6				Moist, brown, mixed, gravelly (SILTY-SAND) fill with 15 to 25% gravel and (CLAYEY-SILT) fill with little clay, compact and very stiff (3.0)	
			11				
				7			
2	2				0	Extremely moist, gray and dark gray, gravelly (SILTY-SAND) fill with 20 to 40% cinders and ash, very fine size sand, very loose (5.0)	2.0'
		1					
			1			Moist, brown (SILT) with trace clay, very loose, blocky soil structure	
				2			
3	2				0	(9.5)	1.4'
		6				Wet, brown, very gravelly (SILTY-SAND) with 40 to 50% gravel, very fine to fine size sand, little silt, compact, weakly stratified	
			8				
				6		(13.0)	
4	1				0	Wet, brown and white, gravelly (SAND) with 20 to 40% gravel and broken shell fragments, very fine to coarse size sand, loose, weakly thinly bedded (15.0)	2.0'
		1				Boring Completed at 15.0' BGS	
			5				
				3			

MONITORING WELL



REMARKS

TOC ELEVATION 391.56497

Cement / Bentonite Grout

Bentonite Seal

2" PVC Riser Pipe

#2 Size Sand

2" 10 Slot PVC Screen

COMMENTS

Topsoil / fill to 0.5 foot over mixed soil fill with little gravel to 3.0 feet over cinder and ash fill to 5.0 feet over silty alluvial sediment with trace clay to 9.5 feet over apparent water sorted and deposited sand and gravel with little silt (possible fill) to 13.0 feet over water sorted and deposited sand with some gravel (possible dredging material) to end of boring

▼ Water Level at 7.3' BGS at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC
3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

HOLE NUMBER: MW 11

DATE: 9/24/14

ELEVATION: 393.81774

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	PID (ppm)	DESCRIPTION AND CLASSIFICATION	REC
1	4				0	Moist, brown (SILTY-SAND) topsoil / fill with very fine to fine size sand, loose, with fine size roots (0.4)	1.8'
		8				Moist, dark gray, very gravelly (SILTY- SAND) fill with 40 to 60% gravel and cinders, very fine to very coarse size sand, compact in place, loose when disturbed (4.0)	
			7				
				6			
2	9				0	Moist to extremely moist, brown, gravelly (SILTY-SAND) fill with 20 to 40% gravel and red brick fragments, very fine to fine size sand, little silt, compact	1.7'
		18					
			12				
				10			
3	7				0	Wet, brown, very gravelly (SILTY-SAND) with with 40 to 50% gravel with white broken shell fragments, very fine to very coarse size sand, little silt (possible fill) (9.0) (12.0)	2.0'
		6					
			6				
				9			
4	1				0	Wet, gray (SILTY-SAND) with very fine to medium size sand, little silt, loose, weakly thinly bedded	1.8'
		2					
			2				
				3		(15.0) Boring Completed at 15.0' BGS	

MONITORING WELL	REMARKS	COMMENTS
	TOC ELEVATION 393.29749	Topsoil / fill to 0.4 foot over gravel, cinder and sand fill to 4.0 feet over sandy fill with some gravel to 9.0 feet over apparent sand and gravel fill to 12.0 feet over apparent water sorted and deposited sand with little silt to end of boring
1.0	Cement / Bentonite Grout	
3.0	Bentonite Seal	
	2" PVC Riser Pipe	
5.0		
	#2 Size Sand	▼ Water Level at 8.9' BGS at Completion
	2" 10 Slot PVC Screen	
15.0		No Water at Completion

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC
3553 Crittenden Road
Alden, NY 14004
(716) 937- 6527
www.natureswayenvironmental.com

HOLE NUMBER: MW 12

DATE: 9/25/14

ELEVATION: 393.93467

PROJECT: Subsurface Investigation at the Duofold Corporation
7 Spruce Street, Ilion, NY

PREPARED FOR: NYSDEC Region 6

BORING LOCATION: See Location Map

SN	0/6	6/12	12/18	18/24	PID (ppm)	LITH	DESCRIPTION AND CLASSIFICATION	REC	MONITORING WELL	REMARKS	COMMENTS
1	3				0		Moist, dark brown (SANDY-SILT) topsoil / fill with some very fine size sand (0.2)	2.0'		TOC ELEVATION 393.64338	Topsoil / fill to 0.2 foot over sandy fill with some gravel and cinders to 4.5 feet over silty alluvial sediment with little clay to 8.5 feet over water sorted and deposited sand and gravel with little silt to 10.0 feet over silty lake sediment to end of boring
		7					Moist, dark gray, gravelly (SILTY-SAND) fill with 20 to 40% gravel with cinders, very fine to medium size sand, little silt			1.5 Cement / Bentonite Grout	
			8							3.0 Bentonite Seal	
				15							
2	8				0		(4.5)	1.7'		2" PVC Riser Pipe	
		4					Extremely moist, gray (CLAYEY-SILT) with little clay, firm, thinly laminated with very thin coarse silt lenses			5.0	
			5								
				7							
							(8.5)				▼ Water Level at 7.7' BGS at Completion
3	6				0		Wet, brown, very gravelly (SILTY-SAND) with 50 to 60% gravel, very fine to coarse size sand, little silt, compact, weakly stratified	1.6'		#2 Size Sand	
		8									
			11								
				9							
4	2				0			0.5'		2" 10 Slot PVC Screen	
		5									
			2								
				4						15.0	
5	2				0		(18.0) Wet, brown (SILT) with trace very fine size sand, loose, thinly bedded	0.7'			
		2									
			2								
				3			Boring Completed at 20.0' BGS (20.0)			20.0	

LOGGED BY: Dale M. Gramza / Senior Geologist

NATURE'S WAY
ENVIRONMENTAL
Consultants & Contractors, Inc.

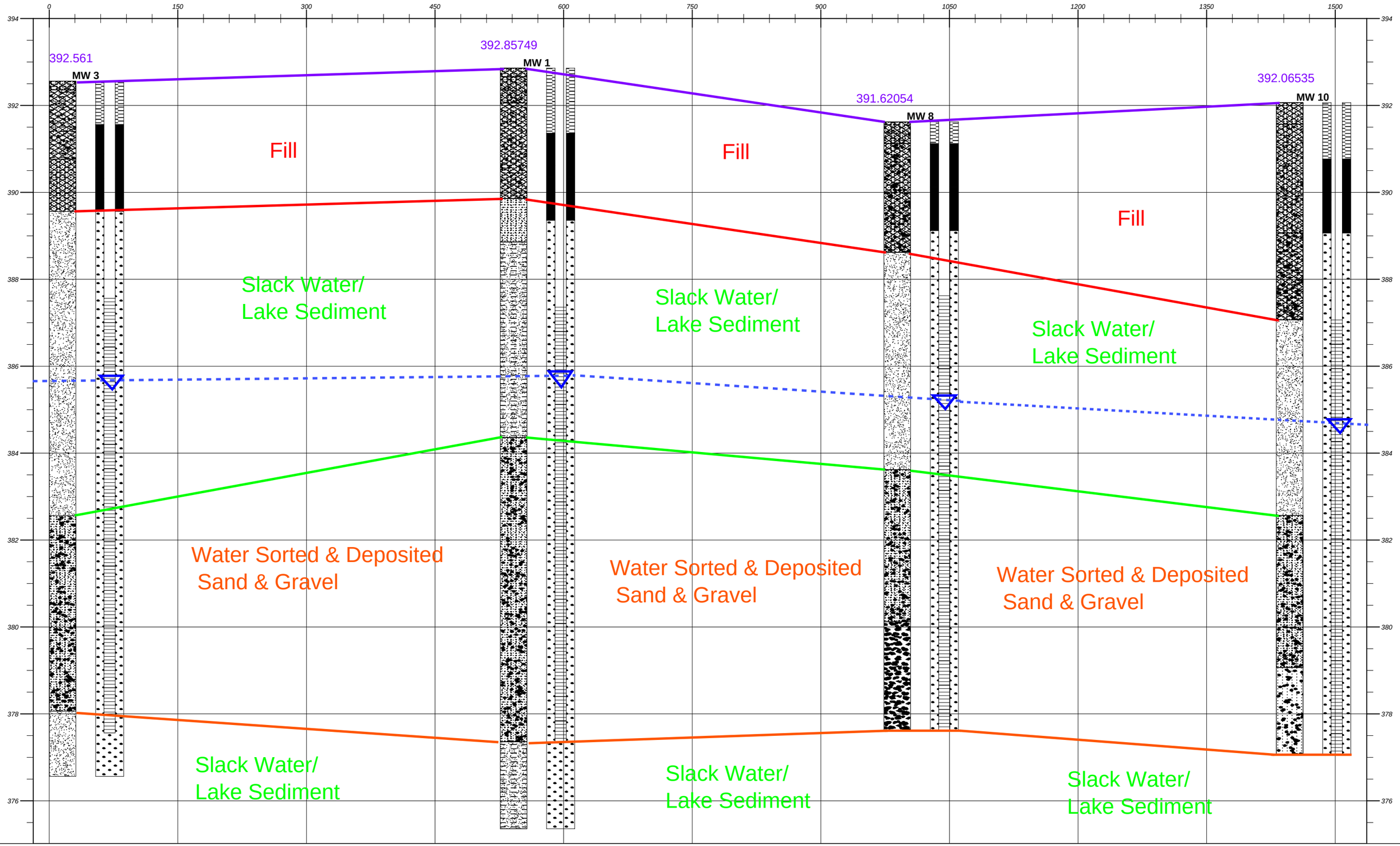
3553 Crittenden Road, Alden, NY 14004
716-937-6527 Fax 716-937-9360

Subsurface Investigation Report
Duofold Corporation
NYSDEC Site#622030
7 Spruce Street
Ilion, NY

Appendix 3

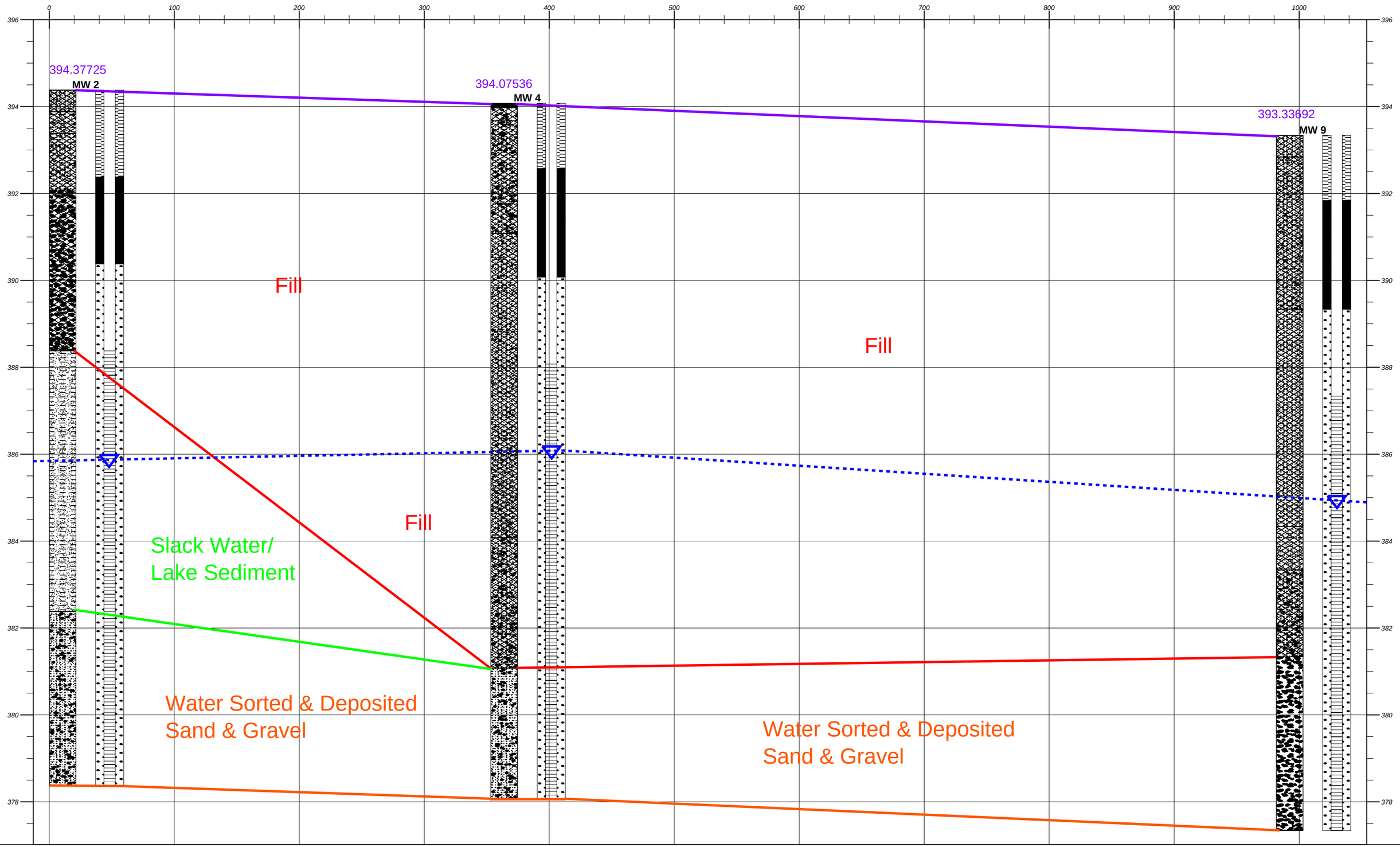
Cross Section

Subsurface Profile A-A'



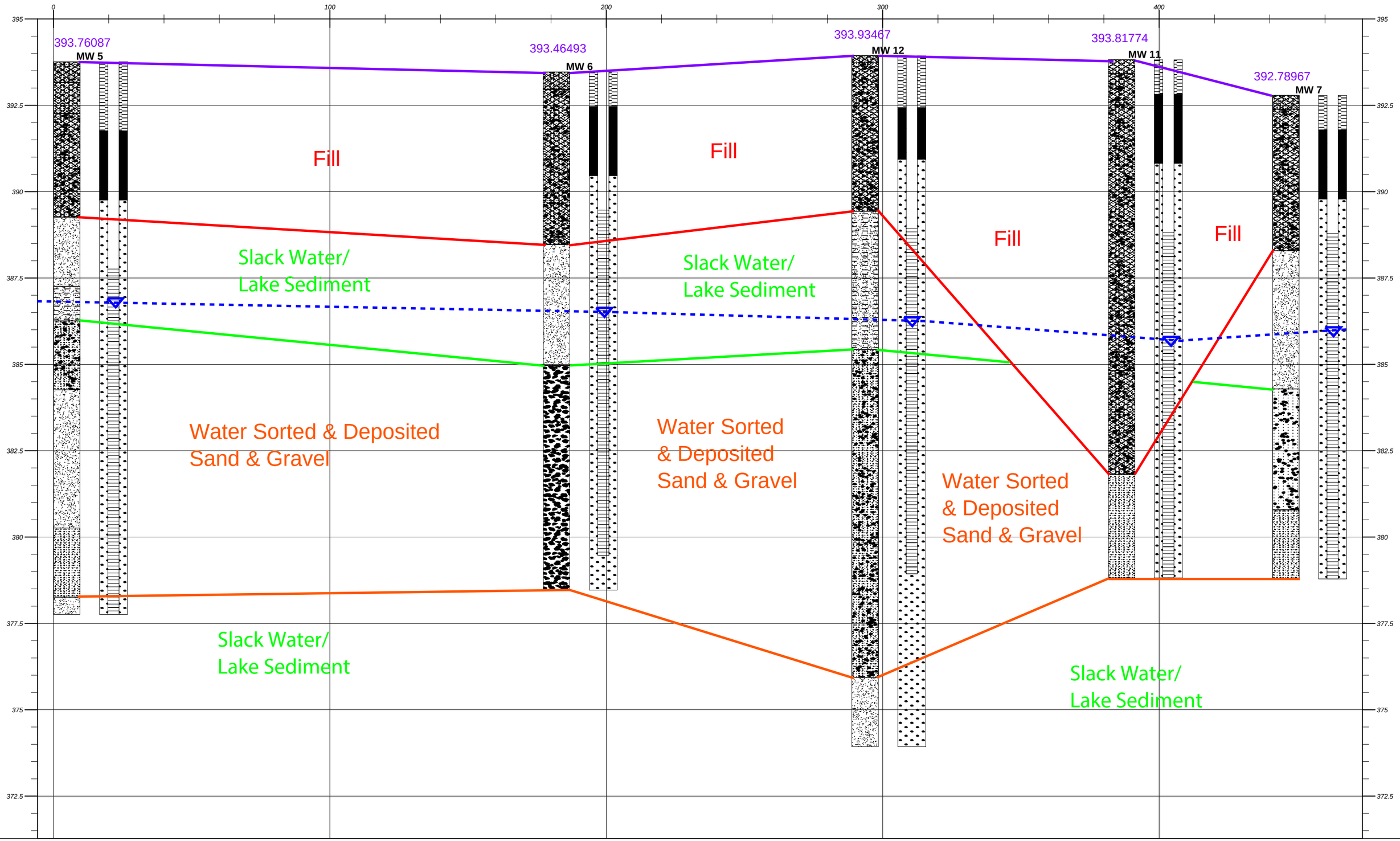
Subsurface Investigation at the Duofold Corporation NYSDEC Site#622030
7 Spruce Street, Ilion, NY

Subsurface Profile B-B'



Subsurface Investigation at the Duofold Corporation NYSDEC Site#622030
7 Spruce Street, Ilion, NY

Subsurface Profile C-C'



Subsurface Investigation at the Duofold Corporation NYSDEC Site#622030
7 Spruce Street, Ilion, NY