

Roy F. Weston, Inc. 1400 Weston Way P.O. Box 2653 West Chester, Pennsylvania 19380 610-701-3000 • Fax 610-701-3186 www.rfweston.com GMM



RECEIVED

May 4, 2001

MAY 7 2001

NYSDEC - REG. 9 FOIL REL_UNREL

Mr. Glenn May Division of Environmental Remediation New York State Department of Environmental Conservation 270 Michigan Avenue Buffalo, New York 14203

Re:

Initial Progress Report - Period Ending March 31, 2001

3M Tonawanda, New York Facility

Order on Consent # B9-0369-91-04, Site Code #915148

Dear Mr. May:

In accordance with the referenced Order on Consent (Order) and at 3M's direction, I am submitting the initial progress report for the 3M Tonawanda, New York, facility, period ending March 31, 2001. As required under the Order, the next progress report will be submitted to the New York State Department of Environmental Conservation in October 2001 and cover the six-month period ending September 30, 2001. If you have any comments or questions, please call us.

Sincerely,

Maras A. Dran

Thomas A. Drew, P.G. Principal Project Manager

cc: Division of Environmental Remediation, Albany (w/o enclosure)

Director, Bureau of Environmental Exposure Investigation, Troy (w/o enclosure)

Division of Environmental Enforcement, Buffalo (w/o enclosure)

C. O'Connor, New York State Department of Health, Buffalo (w/enclosure)

T. Marks, 3M (w/enclosure)

G. Stubbs, 3M (w/enclosure)



RECEN/En

INITIAL PROGRESS REPORT

MAY 7 Z001

NYSUEC - KEG. 9

Site Name and Location:

3M Facility, Tonawanda, New York

_REL__

Registry Number:

915148

Order on Consent:

B9-0369-91-04

3M Project Contacts:

Tim Marks (3M Corporate) Greg Stubbs (3M Tonawanda)

NYSDEC Project Lead:

Glenn May

Reporting Period:

Initial Reporting Period Ending March 31, 2001

Background

The New York State Department of Environmental Conservation (NYSDEC) issued a Record of Decision (ROD) (Registry No. 915148) for the Minnesota Mining and Manufacturing Company (3M) facility in Tonawanda, New York. This ROD presents the selected remedial action for the Tonawanda facility based on the site's Administrative Record and public input. Following ROD issuance, the NYSDEC reclassified the 3M Tonawanda site from "Class 3 - Does not present a significant threat to the public health or environment - action may be deferred", to "Class 4 - Site properly closed - requires continued management." 3M was notified of the site's reclassification in correspondence from the NYSDEC (Attachment A).

3M is implementing the selected ROD remedy, No Further Action with Monitoring, under an Order on Consent (Index # B9-0369-91-04) (Order) according to the NYSDECapproved Operation and Maintenance Work Plan (O&M Work Plan), which was made part of the Order. The O&M Work Plan calls for:

- Filing a Declaration of Covenants and Restrictions with the property deed at the Erie County Clerk's Office.
- Performing long-term groundwater monitoring. Involves semiannual sampling of site monitor wells MW-1, MW-2, MW-3, and MW-4 and annual sampling of the two site lysimeters, LY-1 and LY-2, with groundwater samples analyzed for CS₂.



• Inspecting the completed interim remedial measures (IRMs)(includes the CS₂ tank system, and the catch basin and associated swale) and maintaining the integrity of the IRMs.

Representatives from the NYSDEC, 3M, and WESTON held a project kickoff meeting on 16 November 2000 to review the details of the ensuing O&M operations. This initial progress report provides a summary of the project activities that have occurred from the kickoff meeting through March 31, 2001 (the initial reporting period). In compliance with the Order and agreement reached with the NYSDEC, future progress reports will be submitted to the NYSDEC on a semiannual basis (i.e. by October 31 and April 30 of each year).

1.0 Summary of Activities Performed During Initial Reporting Period

The following is a summary of activities performed by 3M during the initial reporting period:

- A fully executed Declaration of Covenants and Restrictions, signed by 3M, was filed with the Erie County Clerk's Office on March 20, 2001 (recorded in Deed Book 10978 at page 3905&c). Pursuant to Order requirements, this document provides notice that the property is subject to the provisions of the above noted Order and also prohibits the use of a portion of the 3M property for residential purposes. A copy of the Declaration of Covenants and Restrictions is provided in Attachment B.
- Daily inspections of the CS₂ tank/secondary containment system and associated truck/rail unloading stations were conducted for evidence of spills, leaks, unpermitted discharges of water containing CS₂, and maintenance requirements. None of these were observed during the daily inspections.
- Periodic visual inspections were conducted prior to and during the transfer of CS₂ into the storage tank for evidence of malfunctioning equipment. Some deficiencies were noted and corrective actions taken as summarized in Section 2.0.
- Maintained functional use of catch basins, however surrounding area has been disturbed from ongoing facility construction activities.
- Site groundwater monitoring was conducted on January 19, 2001 in accordance with procedures specified in the O&M Plan. The monitoring results are summarized in Section 3.0.



2.0 CS₂ Tank System Deficiencies Identified by 3M and Corrective Actions Taken

- During a periodic inspection of transfer operations on December 28, 2000, a small CS₂ leak was observed in the transfer pipe from the carbon adsorption system at the connection to the CS₂ storage tank. The cause was corrosion of the pipe. The corroded pipe was replaced.
- During a periodic inspection of transfer operations on March 9, 2001, a small CS₂ leak was observed in the braided connection hose between the unloading pipe and the rail car. The braided hose was replaced with a spare hose.

Both CS_2 leaks were very small quantity releases to the secondary concrete containment system.

3.0 Groundwater Monitoring Results

Summary of Carbon Disulfide Groundwater Analytical Results

		Sa	mple ID			
Date	MW-01	MW-02	MW-03	MW-04	LY-01	LY-02
1/19/01	ND	ND	ND	ND	NS	NS

Notes: ND – Not detected. The reporting limit for CS2 is 5 μ g/L.

NS - Not sampled.

As indicated in the above table, CS_2 was not detected in the groundwater samples collected from site monitor wells MW-01 through MW-04 in January 2001. Additionally, CS_2 was not detected in the field blank or trip blank and there were no data quality issues. A copy of the analytical data package is provided in Attachment C.

The groundwater samples were split with the NYSDEC. CS_2 was not detected in the split samples.

Pursuant to agreement reached with NYSDEC, annual sampling of the site lysimeters (LY-01 and LY-02) will be performed during the next round of groundwater sampling.



4.0 Activities Planned for the Next Reporting Period

The activities planned for the next reporting period (April 1 through September 30, 2001) include:

- Daily and periodic inspections of the CS₂ tank system (includes the containment system and unloading stations).
- Maintenance of the drainage swale, catch basins, and CS₂ tank system, as needed. Regrade and revegetate disturbed areas of the drainage swale provided that facility construction activities are complete.
- Annual inspection of the CS₂ tank system and catch basin/surrounding area, and conduct of a regulatory compliance review pursuant to Order requirements. 3M will notify NYSDEC at least 10 days in advance of conducting the annual field inspection.
- Collection of groundwater samples from monitor wells MW-01 through MW-04 and lysimeters LY-01 and LY-02 for CS₂ analysis. NYSDEC will be notified at least 10 days in advance of sampling commencement.

ATTACHMENT A SITE RECLASSIFICATION

New York State Department of Environmental Conservation

Division of Environmental Remediation

Bureau of Hazardous Site Control, Room 252 50 Wolf Road, Albany, New York 12233-7010

Phone: (518) 457-8807 FAX: (518) 457-8989



MAR 3 1 1999

3M O-Cel-O Sponge Co. 305 Sawyer Avenue Tonawanda, NY 14150

Dear Sir/Madam:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), the New York State Department of Environmental Conservation (NYSDEC) must maintain a Registry of all inactive disposal sites suspected or known to contain hazardous waste. The ECL also mandates that this Department notify the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites as to changes in site classification.

Our records indicate that you are the owner or part owner of the site listed below. Therefore, this letter constitutes notification of change in the classification of such site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State.

DEC Site No.:

915148

Site Name:

3M O-Cel-O Sponge Site

Site Address:

305 Sawyer Avenue, Tonawanda, NY 14150

Classification change from 3 to 4

The reason for the change is as follows:

- Although contaminated subsurface soils remain on site, the Interim Remedial Measure (IRMs) have adequately addressed the significant threat originally posed by hazardous waste at the site. A No Further Action Record of Decision (ROD) that requires long term groundwater monitoring and maintenance of the IRMs has been issued for this site.

Enclosed is a copy of the New York State Department of Environmental Conservation, Division of Environmental Remediation, Inactive Hazardous Waste Disposal Site Report form as it appears in the Registry and Annual Report, and an explanation of the site classifications. The Law allows the owner and/or operator of a site listed in the Registry to petition the Commissioner of the New York State Department of Environmental Conservation for deletion of such site, modification of site classification, or modification of any information regarding such site, by submitting a written statement setting forth the grounds of the petition. Such petition may be addressed to:

John P. Cahill
Commissioner
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-0001

For additional information, please contact me at (518) 457-0747.

Sincerely,

Robert L. Marino

Chief

Site Control Section

Bureau of Hazardous Site Control Division of Environmental Remediation

Marino

Enclosures

NEW YORK ST. DEPARTMENT OF ENVIRONMENTAL CON-

Inactive Hazardous Waste Disposal Report

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	Cita Cada	045440

VATION

Site Name: O-Cel-O Sponge Plant Site Code: 915148

Class Code: 4 Region: 9 County: Erie EPA Id:

Address: 305 Sawyer Avenue City: Tonawanda Zip: 14150

Address: 305 Sawyer Avenue City: Tonawanda Zip: 14150
Latitude: 42 58' 34" Longitude: 78 55' 3"

Site Type: Dump Estimated Size: < 1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: 3M, O-Cel-O Sponge Co.

Current Owner(s) Address: 305 Sawyer Ave Tonawanda NY 141505102

Owner(s) during disposal: O-Cel-O Sponge Co., Div. of Gen. Mills Operator(s) during disposal: O-Cel-O Sponge Co., Div. of Gen. Mills

Stated Operator(s) Address: 305 Sawyer Ave. Tonawanda NY

Hazardous Waste Disposal Period: From 1950's To Present

Site Description:

For at least 30 years, during routine transfers from railroad tank cars to a 16,000 gallon above ground storage tank, carbon disulfide had spilled into a drainage swale and leached into the surrounding soils.

Carbon disulfide in these soils was first observed in the fall of 1988 during the repair of the concrete dike surrounding the storage tank. These repairs involved chipping spalled concrete with pneumatic jackhammers to establish sound areas where new cement grout could be placed. During this jackhammering, ignition of the carbon disulfide materials was noted. In 1991 and 1992 some of the soils contaminated with carbon disulfide were excavated. Because two confirmatory samples contained carbon disulfide at significant concentrations (390 and 590 ppm, respectively), remedial activities were halted and a Supplemental Site Characterization study was implemented by O-Cel-O and submitted to the Department. The PRP subsequently signed an Order on Consent for a Remedial Investigation/Feasibility Study (RI/FS) and Interim Remedial Measures.

The RI, FS and IRM activities have been completed. The RI, FS and IRm reportshave been submitted to the Department and approved. Based upon the success of the IRMs the RI concluded that the IRMs have adequately addressed the significant threat originally posed by hazardous waste at the site. The IRMs undertaken at this site included included: (1) installation of a new carbon disulfide storage tank system; (2) closure of the former carbon disulfide storage tank; (3) Removal of approximately 300 cubic yards of carbon disulfide contaminated soil from the drainage swale; and (4) Upgrading of the former drainage swale to reduce infiltration and promote more effective storm water management. A "No Further Action") ROD was exicuted for this site in March 1999. Long-term groundwater monitoring and maintenance of the IRMs will be required to ensure that human health and the environment remain adequately protected.

Confirmed Hazardous Waste Disposal:

Quantity:

Carbon Disulfide (F005)

Unknown

Analytical Data Available for: Groundwater Surface Water Soil

Applicable Standards Exceeded in: Groundwater

Geotechnical Information:

Depth to

Soil/Rock Type: dense silty clay, reddish brown, over shale bedrock Groundwater: approx. 5 ft.

Legal Action: Type: State Consent Order Status: Order Signed

Remedial Action: Complete Nature of action: Soil Removal

Assessment of Environmental Problems:

Due to the effectiveness of the completed IRMs, future environmental impacts associated with this site are not expected.

Assessment of Health Problems:

Exposures by direct contact or inhalation are not expected because public access is restricted at this active facility and the remaining contamination is well below the ground surface. Exposures via drinking water are not expected because the area is served by public water.

THE FOLLOWING ARE THE PRIORITY AND CLASSIFICATION CODES ASSIGNED TO ALL INACTIVE HAZARDOUS WASTE SITES IN NEW YORK STATE

- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or environment - immediate action required.
- 2 Significant threat to the public health or environment action required.
- 2a Temporary classification assigned to sites that have inadequate and/or insufficient data for inclusion in any of the other classifications.
- Does not present a significant threat to the public health or environment action may be deferred.
- 4 Site properly closed requires continued management.
- 5 Site properly closed, no evidence of present or potential adverse impact no further action required.
- D1 No hazardous waste disposal has been documented.
- D2 Remedial construction actions and/or monitoring programs have been completed and approved by NYSDEC and all hazardous wastes was removed.
- D3 a) Site identification numbers have been consolidated; or
 - b) Sites were numbered incorrectly; or
 - c) Sites were added in error and subsequently removed.

ATTACHMENT B DECLARATION OF COVENANTS AND RESTRICTIONS

DECLARATION OF COVENANTS AND RESTRICTIONS

THIS DECLARATION dated as of February 21. 2001, by Minnesota Mining and Manufacturing Company, a Delaware Corporation (Declarant):

Recitals:

WHEREAS, Declarant is the owner of certain real property locally known as 305 Sawyer Avenue, Tonawanda, Erie County, New York and legally described on Exhibit "A" (Property) attached hereto and made a part hereof; and

WHEREAS, the Property is subject to the provisions of a certain Order on Consent dated March 27, 2000 (Index No. B9-0369-91-04), between the New York State Department of Environmental Conservation and Declarant; the restrictions are specifically limited to that portion of the property indicated on the drawing attached hereto as Exhibit "B" (Restricted Property);

WHEREAS, the Declarant requires that the Restricted Property be made subject to certain restrictions more fully set forth herein.

Covenants and Restrictions:

NOW, THEREFORE, in consideration of the foregoing premises, Declarant hereby declares the following:

- 1. Residential use of Restricted Property by the Declarant or other corporations or individuals is prohibited;
- 2. The provisions of this Declaration shall run with the Property and shall be binding upon Declarant and all others who may acquire an interest in the Property.

IN WITNESS WHEREOF, Declarant has executed this Declaration as of the date first above written.

FILED

MAR 20 2001

ERIE COUNTY CLERK'S OFFICE MINNESOTA MINING AND MANUFACTURING COMPANY

: Konaid R Ben 2/20/61

s Vice President - Ronald R. Belschner

By: Assistant Secretary - Gregg M. Larson

STATE OF MINNESOTA) COUNTY OF RAMSEY) 21st ___ day of February _____, 2001, before me, a Notary Public within and for said County, personally appeared Ronald R. Belschner and Gregg M. Larson to me known, who being by me duly sworn, did say that they are the Vice President and Assistant Secretary, respectively, of Minnesota Mining and Manufacturing Company named in the foregoing instrument and that the seal affixed to said instrument is the corporate seal of said corporation , and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said Ronald R. Belschner and Gregg M. Larson acknowledged said instrument to be the free act and deed of said corporation. Boxellen C. Lan Notary Public

ROSEANN C. DAVI

EXHIBIT 'A'

Legal Description 305 Sawyer Avenue, Tonawanda, New York

EXHIBIT A

LEGAL DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawanda, County of Erie and State of New York, being part of Lot No. 99 of the New York State Reservation, bounded and described as follows:

BEGINNING at the intersection of the southeasterly line of lands conveyed to the Niagara Falls Power Company by deed recorded in the Erie County Clerk's Office in Liber 1636 of Deeds at page 274 with the southwesterly line of lands conveyed to General Mills, Inc. by deed recorded in the Erie County Clerk's Office in Liber 5223 of Deeds at page 251; thence southeasterly along the southwesterly line of lands so conveyed, 393.20 feet to a point of curve; thence continuing along the southwesterly line of lands so conveyed southeasterly along a curve having a radius of 375 feet, an arc distance of 589.05 feet to a point in the south line of said Lot No. 99, which said line is tangent to said curve; thence westerly along said south line of Lot No. 99, 616.66 feet to a point therein, 2224.14 feet easterly from the east line of River Road; thence northerly along a line at right angles to said south line of Lot No. 99, 786.79 feet to the southeasterly line of lands of said Niagara Falls Power Company; thence easterly along the southeasterly line of said lands, 242.27 feet to the southwest line of lands conveyed to General Mills, Inc., as aforesaid, the point of beginning.

TOGETHER with the right, in so far as they pertain to the premises hereby conveyed, to use in common with The Acheson Graphite Co., its successors and assigns all of the rights, benefits and easements subject to all of the limitations therein contained and described in deed from Acheson Graphite Company to the Niagara Falls Power Company recorded on May 9, 1922 in Liber 1636 of Deeds at page 274.

ALSO ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawanda, County of Erie and State of New York, being part of Lot No. 99 of the New York State Reservation, bounded and described as follows:

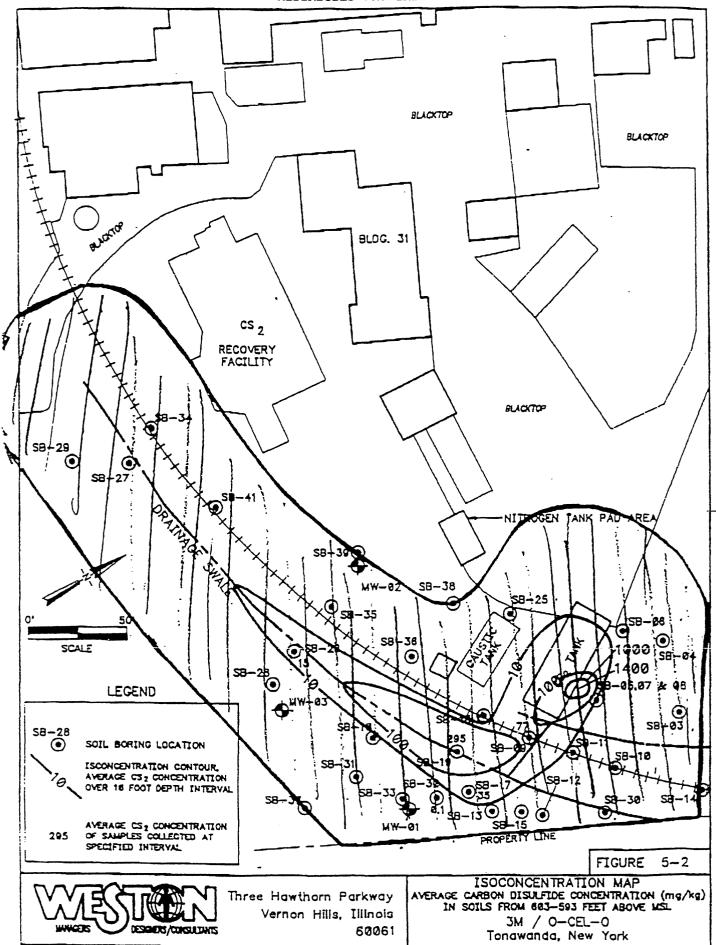
BEGINNING in the southerly line of Niagara Falls Power Company's right of way at the point of intersection of said right of way line with the easterly line of the lands now or formerly owned by Buffalo Wash Tray Works, Inc.; running thence southerly along the east line of lands of the Buffalo Wash Tray Works, Inc., aforesaid, 392.02 feet to a point of curve; thence continuing along the easterly line of land of the Buffalo Wash Tray Works, Inc. southeasterly along a curve having a radius of 375 feet, an arc distance of 589.05 feet to a point in the south line of said Lot No. 99, which said line is tangent to said curve; running thence easterly along the south line of said Lot No. 99, 497.17 feet; running thence northerly on a line drawn at right angles to the south line of said Lot No. 99, 699.33 feet to the southerly line of Niagara Falls Power Company's right of way; and running thence westerly along the southerly line of said Niagara Falls Power Company's right of way, 874.80 feet to the point or place of beginning, containing 14 acres of land. more or less.

TOGETHER with all the rights to cross the said lands of Niagara Falls Power Company lying between the premises above described and Sawyer Avenue reserved and set forth in a deed from Wonalancet Company to said Niagara Falls Power Company dated August 15, 1921 and recorded in the Erie County Clerk's Office in Liber 1544 of Deeds at page 551 on August 22, 1921.

EXHIBIT "B"

Restricted Property

RESTRICTED PROPERTY



89292 G

ATTACHMENT C

SEMIANNUAL ANALYTICAL DATA PACKAGE JANUARY 19, 2001



February 14, 2001

Mr. Tom Drew Roy F. Weston, Inc. 1400 Weston Way West Chester, PA 19380

RE: Analytical Results

Dear Mr. Drew:

STL Buffalo

10 Hazelwood Drive Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

Please find enclosed analytical results concerning the samples recently submitted by your firm. The pertinent information regarding these analyses is listed below:

Quote #: NY95-481

Project Name: 3M Tonawanda, NY - Semi-Annual Monitoring

Matrix: Water

Sample Received: 01/19/01 Sample Date: 01/19/01

If you have any questions concerning these data, please contact me at (716) 691-2600 and refer to the I.D. number listed below. It has been our pleasure to provide Roy F. Weston, Inc. with environmental testing services. We look forward to serving you in the future.

Sincerely,

STL Buffalo

Mark A. Nemec Program Manager

Mome

MAN/csm Enclosure

I.D. #A01-0561 #NY1A8679

__ pages which are individually numbered.



ANALYTICAL RESULTS

Prepared for:

STL Buffalo

Roy F. Weston, Inc. 1400 Weston Way West Chester, PA 19380

Prepared by:

STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228-2298

METHODOLOGY

The specific methodologies employed in obtaining the enclosed analytical results are indicated on the specific data tables. The method numbers presented refer to the following U.S. Environmental Protection Agency references:

 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (SW-846), Third Edition, Update III, December 1996, U.S. Environmental Protection Agency Office of Solid Waste.

COMMENTS

Comments pertain to data on one or all pages of this report.

The enclosed data has been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

The Reporting Limits (RL) for Method 8260 Organic analyses are representative of Laboratory Specific Quantitation Limits.

The cooler was received at a temperature of 2°C.

METHOD 8260

No deviations from protocol that affected the acceptability of the analytical results were encountered during the analytical procedures.

"The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety."

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.

- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- K Indicates the post digestion spike recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- M Indicates duplicate injection results exceeded quality control limits.
- W Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- * Indicates analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample Data Fackag

Date: 02/14/2001 Time: 12:13:48

Rept: AN0326

2	
	DISULFIDE
	CARBON D
	8260 -
f	METHOD

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A1056103	Reporting Limit	5.0	50-200	20-50	20-500	83-11	71-119	73-125
MW-03 A01-0561 01/19/2001	Sample Value	QN	118	105	120	96	8	95
A1056102	Reporting Limit	5.0	50-200	50-200	20-500	83-111	71-119	73-122
MW-02 A01-0561 01/19/2001	Sample Value	QN	119	108	114	101	7/6	06
A1056101	Reporting Limit	5.0	50-200	20-500	20-500	83-111	71-119	73-122
MW-01 A01-0561 01/19/2001	Sample Value	ND	123	108	119	100	88	91
A1056105	Reporting Limit	5.0	50-200	20-200	20-500	83-111	71-119	73-122
FIELD BLANK A01-0561 01/19/2001	Sample Value	ND	118	JOL.	118	86	26	7,6
	Units	UG/L	%%	~ :	%	%	%	%
Client ID Job No Sample Date	Analyte	Carbon Disulfide	Chlorobenzene-D5	1,4-UITIUOrobenzene	1,4-Dichlorobenzene-D4	Toluene-D8	p-Bromofluorobenzene	1,2-Dichloroethane-D4

	Reporting Limit		THE THE CONTRACTOR ROOM DESIGNATION OF THE PROPERTY AND INVESTIGATION OF T		-,	***************************************		
	Sample Value	NA	NA	NA	NA	NA	NA	AN
-	Reporting							
	Sample Value	NA	NA	NA	NA	NA	NA	NA
A1056104FD	Reporting Limit	5.0	50-200	50-200	50-200	83-111	71-119	73-122
MW-04 FD A01-0561 01/19/2001	Sample Value	QN	121	111	124	66	93	93
A1056104	Reporting Limit	5.0	50-200	50-200	50-200	83-111	71-119	73-122
MW-04 A01-0561 01/19/2001	Sample Value	QN	121		115	66	87	06
	Units	NG/L	%	%	%	%	%	%
Client ID Job No Sample Date	Analyte	Carbon Disulfide	Chlorobenzene-D5	1,4-Difluorobenzene	1,4-Dichlorobenzene-D4	Toluene-D8	p-Bromofluorobenzene	1,2-Dichloroethane-D4

NA NA

Chronology and QC. Summary Package

ND = Not Detected NA = Not Applicable

Client ID Job No Sample Date		VBLK69 A01-0561	A1056107	VBLK74 A01-0561	A1056109				
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Carbon Disulfide	UG/L	QN	5.0	QN	5.0	NA		NA	THE RESIDENCE OF THE PERSON AND THE
Chlorobenzene-D5 1,4-Difluorobenzene-D4 1,4-Dichlorobenzene-D4 Toluene-D8 p-Bromofluorobenzene 1,2-Dichloroethane-D4	% % % % % %	114 101 117 101 89 98	50-200 50-200 50-200 83-111 71-119	88 90 89 96 97	50-200 50-200 50-200 83-111 71-119	A A A A A A A A A		N N N N N N N N N N N N N N N N N N N	

Rept: AN0326

3M Tonawanda, NY - Semi-Anual Monitoring 3M Tonawanda, NY - Semi-Annual Monitoring METHOD 8260 - CARBON DISULFIDE

Date: 02/14/2001 Time: 12:13:48

ND = Not Detected NA = Not Applicable

OS:	6.	5.0	00 00 00 11 12 22
A1056102SD	Reporting Limit	5.	50-200 50-200 50-200 83-111 71-119 73-122
MW-02 SD A01-0561 01/19/2001	Sample Value	18	98 99 102 95 95 92
A1056102MS	Reporting Limit	5.0	50-200 50-200 50-200 83-111 71-119 73-122
MW-02 MS A01-0561 01/19/2001	Sample Value	75	113 109 101 107 89 82
A1056110	Reporting Limit	5.0	50-200 50-200 50-200 83-111 71-119 73-122
MSB A01-0561	Sample Value	24	97 100 102 99 101
A1056108	Reporting Limit	5.0	50-200 50-200 50-200 83-111 71-119 73-122
MSB A01-0561	Sample Value	41	111 110 97 106 86 80
	Units	11671	****
Client ID Job No Lab ID	Analyte	mastro	Cal Doil Disact in College Col

Rept: AN0326

Date: 02/14/2001 Time: 12:13:48

Rept: AN03		ng Sample Reporting Value Limit	NA	N N N N N N N N N N N N N N N N N N N
		Reporting Limit		
gu Bu		Sample Value	NA	N N N N N N N N N N N N N N N N N N N
i-Anual Monitorii i-Annual Monitori BON DISULFIDE		Reporting Limit		
3M Tonawanda, NY - Semi-Anual Monitoring 3M Tonawanda, NY - Semi-Annual Monitoring METHOD 8260 - CARBON DISULFIDE		Sample Value	NA	A A A A A A
3M Tor 3M Tor	A1056106	Reporting Limit	5.0	50-200 50-200 50-200 83-111 71-119 73-122
	TRIP BLANK A01-0561 01/19/2001	Sample Value	QN	123 107 120 95 91
		Units	1/9n	% % % % % %
Date: 02/14/2001 Time: 12:13:48	Client ID Job No Lab ID Sample Date	Analyte	Carbon Disulfide	Chlorobenzene-D5 Chlorobenzene-D5 1,4-Difluorobenzene-D4 Toluene-D8 p-Bromofluorobenzene 1,2-Dichloroethane-D4

Rept: AN0326

ROY F WESTON	SAMPLE CHRONOLOGY	

Rept: AN0374 Page: 1

METHOD 8260 - CARBON DISULFIDE

Date: 02/14/2001 Time: 12:13:59

Client Sample ID Job No & Lab Sample ID	FIELD BLANK A01-0561 A1056105	MW-01 A01-0561 A1056101	MW-02 A01-0561 A1056102	MW-03 A01-0561 A1056103	MW-04 A01-0561 A1056104
Sample Date Received Date	01/19/2001 09:00 01/19/2001 12:40	01/19/2001 09:10 01/19/2001 12:40	01/19/2001 09:25 01/19/2001 12:40	01/19/2001 12:00 01/19/2001 12:40	01/19/2001 11:10 01/19/2001 12:40
Extraction Date Analysis Date	01/30/2001 21:04	01/30/2001 16:40	01/30/2001 17:18	01/30/2001 19:12	01/30/2001 19:49
Extraction HT Met?		1	,	1	. !
Analytical HT Met?	YES	YES	YES	YES	YES
Sample Matrix	WATER	WATER	WATER	WATER	WATER
Dilution Factor	1.0	1.0	1.0	0.1	
Sample wt/vol	0.005 LITERS				
% Dry					

Date: 02/14/2001 Time: 12:13:59		ROY F WESTON SAMPLE CHRONOLOGY	Rept: ANO374 Page: 2
METHOD 8260 - CARBON DISULFIDE	LF1DE		Market and the state of the sta
Client Sample ID Job No & Lab Sample ID	MW-04 FD A01-0561 A1056104FD		
Sample Date Received Date	01/19/2001 11:10 01/19/2001 12:40		
Extraction Date Analysis Date Extraction HT Met?	01/30/2001 20:27		
Analytical HT Met?	YES		
Sample Matrix Dilution Factor	WATER 1.0		
Sample wt/vol % Dry	0.005 LITERS		

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ROY F	SAMPLE
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Date: 02/14/2001 Time: 12:13:59		ROY F MESION QC SAMPLE CHRONOLOGY
METHOD 8260 - CARBON DISULFIDE	LF1DE	
Client Sample ID Job No & Lab Sample ID	TRIP BLANK A01-0561 A1056106	
Sample Date Received Date Extraction Date Analysis Date Extraction HI Met? Analytical HI Met? Sample Matrix Dilution Factor Sample Wt/vol % Dry	01/19/2001 01/19/2001 12:40 01/30/2001 21:42 YES WATER 1.0 0.005 LITERS	

ROY F WESTON

Rept: AN0374 Page: 4

Date: 02/14/2001 Time: 12:13:59

QC SAMPLE CHRONOLOGY	
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Client Sample ID MSB MSB A01-0561 A1056110 A01-0561 A10561028D A01-0561 A105	METHOD 8260 - CARBON DISULFIDE	FIDE			
01/19/2001 09:25 01/19/2001 12:40 01/30/2001 17:56 01/30/2001 17:56 01/30/2001 17:56 01/30/2001 17:56 01/30/2001 17:56 01/30/2001 17:56 01/30/2001 17:56 01/30/2001 17:56 01/30/2001 17:56 01/30/2001 17:56	Client Sample ID Job No & Lab Sample ID	MSB A01-0561 A1056108	-0561	MW-02 MS A01-0561 A1056102MS	MW-02 SD A01-0561 A1056102SD
% Dry	Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	01/30/2001 18:34 - WATER 1.0 0.005 LITERS	02/02/2001 14:33 - WATER 1.0 0.005 LITERS	01/19/2001 09:25 01/19/2001 12:40 01/30/2001 17:56 YES WATER 1.0 0.005 LITERS	01/19/2001 09:25 01/19/2001 12:40 02/02/2001 17:42 FES WATER 1.0 0.005 LITERS

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	ROY F WESTON	Trime: 0.2/14/2001	

	VBLK74 A01-0561 A1056109	02/02/2001 15:11 - - WATER 1.0 0.005 LITERS
LFIDE	VBLK69 A01-0561 A1056107	01/30/2001 14:47 - WATER 1.0 0.005 LITERS
METHOD 8260 - CARBON DISULFIDE	Client Sample ID VBLK69 Job No & Lab Sample ID A01-0561	Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry

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Chronology and QC Summary Package

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		ses / Remarks			TIME TIME TIME	0015
Internal Use Only		Additional Analyses / Remarks			DATE (4) 4 DATE DATE	Courier: Bill of Lading:
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10m 1201-1701-	-009 M	Time 210	0	2008	1 / gafe 1 / gate Date	Preservative Key 1. HCl, Cool to 4* 2. H2SO4, Cool to 4* 3. HNO3, Cool to 4* 4. NaOH, Cool to 4* 5. NaOHZA Acetate, 6 6. Cool to 4* 7. None
Reportiontact: Ompany (ddress: Address:	N 248 leck Nully 181-(MSD D D	22	COMPANY COMPANY	Container Key Plastic VOA Vial Sterile Plastic Amber Glass Widemouth Glass Other
	neski wonda NY	Sample ID M(U) - O1	MW-03 MS MW-03 MW-04 MW-04D	Field Bland		20 8 P
Committed To Your Success	Sampler Name: Circo Flosi Project Name: Conf - Cha Project Location:	STL Sample No.			REGINGUISHERBEY RECINGUISHERBEY RELINGUISHERBEY	Matrix Key W = Wastewater S = Soil SL = Studge MS = Miscellaneous Solids OL = Oil A = Air