

Notice: Use this form to request a **written response (on agency letterhead)** from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

Definitions

"Property" refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.

"Liability Clarification" refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.

"Technical Assistance" refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.

"Post-closure modification" refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

Select the Correct Form

This form should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

Do **not** use this form if one of the following applies:

- Request for an **off-site liability exemption or clarification** for Property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the **Lender Liability Exemption**, s 292.21, Wis. Stats., **if no response or review by DNR is requested**. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an **exemption to develop on a historic fill site** or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- **Request for closure** for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure - GIS Registry Form 4400-202.

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

Instructions

1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program **and** the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

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Section 1. Contact and Recipient Information

Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

Last Name Nelson	First Denice	MI	Organization/ Business Name Tyco Fire Products LP
Mailing Address 2700 Industrial Parkway South		City Marinette	State WI
		ZIP Code 54143	
Phone # (include area code)	Fax # (include area code)	Email	

The requester listed above: (select all that apply)

- Is currently the owner
 Is considering selling the Property
 Is renting or leasing the Property
 Is considering acquiring the Property
 Is a lender with a mortgagee interest in the Property
 Other. Explain the status of the Property with respect to the applicant:

Contact Information (to be contacted with questions about this request)

Select if same as requester

Contact Last Name Johnson	First Shauna	MI	Organization/ Business Name Arcadis
Mailing Address 126 N Jefferson Street, Suite 400		City Milwaukee	State WI
		ZIP Code 53202	
Phone # (include area code) (312) 575-3732	Fax # (include area code)	Email shauna.johnson@arcadis.com	

Environmental Consultant (if applicable)

Contact Last Name Johnson	First Shauna	MI	Organization/ Business Name Arcadis
Mailing Address 126 N Jefferson Street, Suite 400		City Milwaukee	State WI
		ZIP Code 53202	
Phone # (include area code) (312) 575-3732	Fax # (include area code)	Email shauna.johnson@arcadis.com	

Section 2. Property Information

Property Name Tyco Fire Technology Center - PFCs		FID No. (if known) 438005590	
BRRTS No. (if known) 0238580694		Parcel Identification Number	
Street Address 2700 Industrial Parkway South		City Marinette	State WI
		ZIP Code 54143	
County Marinette	Municipality where the Property is located <input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village of Marinette	Property is composed of: <input type="radio"/> Single tax parcel <input type="radio"/> Multiple tax parcels	Property Size Acres 380

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1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

No Yes

Date requested by: _____

Reason: _____

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

No. **Include the fee that is required for your request in Section 3, 4 or 5.**

Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:

Section 3. Technical Assistance or Post-Closure Modifications;

Section 4. Liability Clarification; or Section 5. Specialized Agreement.

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [Numbers in brackets are for WI DNR Use]

- No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - **Include a fee of \$350.** Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.
- Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of \$700.**
- Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of \$1050.**
- Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of \$1050.**
- Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of \$1050.**
- Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of \$1050.**
- Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of \$350**
- Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of \$425.**
- Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of \$425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

- Schedule a Technical Assistance Meeting - **Include a fee of \$700.**
- Hazardous Waste Determination - **Include a fee of \$700.**
- Other Technical Assistance - **Include a fee of \$700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

- Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of \$1050, and:**
 - Include a fee of \$300 for sites with residual soil contamination; and
 - Include a fee of \$350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

Skip Sections 4 and 5 if the technical assistance you are requesting is listed above and complete Sections 6 and 7 of this form Section 6. Other Information Submitted

Identify all materials that are included with this request.

Send both a paper copy of the signed form and all reports and supporting materials, and an electronic copy of the form and all reports, including Environmental Site Assessment Reports, and supporting materials on a compact disk.

Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

Phase I Environmental Site Assessment Report - Date: _____

Phase II Environmental Site Assessment Report - Date: _____

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Legal Description of Property (required for all liability requests and specialized agreements)

Map of the Property (required for all liability requests and specialized agreements)

Analytical results of the following sampled media: Select all that apply and include date of collection.

Groundwater Soil Sediment Other medium - Describe: _____

Date of Collection: _____

A copy of the closure letter and submittal materials

Draft tax cancellation agreement

Draft agreement for assignment of tax foreclosure judgment

Other report(s) or information - Describe: Exemption Request for Beneficial Reuse of Soils

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

Yes - Date (if known): _____

No

Note: The Notification for Hazardous Substance Discharge (non-emergency) form is available at:

dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf.

Section 7. Certification by the Person who completed this form

I am the person submitting this request (requester)

I prepared this request for: Denice Nelson
Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.


Signature

7/19/2024
Date Signed

Senior Environmental Specialist
Title

(312) 575-3732
Telephone Number (include area code)

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Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a [DNR regional brownfields specialist](#) with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

DNR NORTHERN REGION

Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION

Attn: RR Program Assistant
Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313

DNR SOUTH CENTRAL REGION

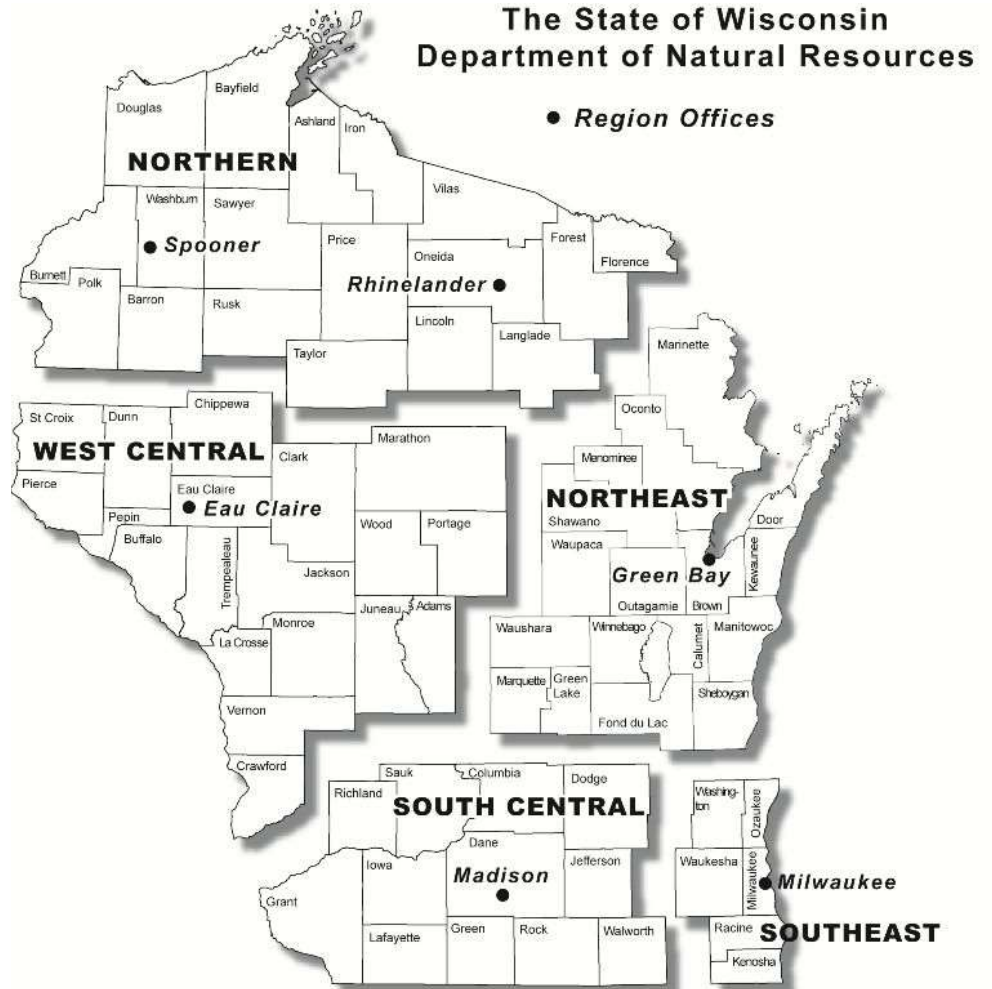
Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

DNR SOUTHEAST REGION

Attn: RR Program Assistant
Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee WI 53212

DNR WEST CENTRAL REGION

Attn: RR Program Assistant
Department of Natural Resources
1300 Clairemont Ave.
Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

DNR Use Only			
Date Received	Date Assigned	BRRTS Activity Code	BRRTS No. (if used)
DNR Reviewer		Comments	
Fee Enclosed? <input type="radio"/> Yes <input type="radio"/> No	Fee Amount \$	Date Additional Information Requested	Date Requested for DNR Response Letter
Date Approved	Final Determination		

Alyssa Sellwood
Complex Sites Project Manager, Remediation and Redevelopment Program
State of Wisconsin Department of Natural Resources
101 South Webster Street
Box 7921
Madison, WI 53707-7921

Arcadis U.S., Inc.
126 North Jefferson Street
Suite 400
Milwaukee, WI 53202
United States
Phone: 414 276 7742
Fax: 414 276 7603
www.arcadis.com

Date: July 19, 2024
Our Ref: 30202232
Subject: Exemption Request for Beneficial Reuse of Soils
BRRTS #: 02-38-580694 (PFAS), 03-38-001345 (VOCs)

Dear Ms. Sellwood,

On behalf of Tyco Fire products LP (Tyco), Arcadis prepared this NR 718.12 exemption request for beneficial reuse of material at the Tyco Fire Technology Center (FTC) located at 2700 Industrial Parkway South in Marinette, Wisconsin (the Property) (**Figure 1**). The FTC is a fire suppressant training, testing, and research and development (R&D) facility, occupying approximately 380 acres in southern Marinette, Wisconsin. The Property is the source of per- and poly- fluoroalkyl substances (PFAS) and volatile organic compound (VOC) impacts currently being managed under BRRTS 02-38-580694 and BRRTS 03-38-001345 (the Sites). The entire Property is owned by Tyco Fire Products LP. This submittal specifically seeks Wisconsin Department of Natural Resources (WDNR) approval to reuse soil on-Property within an area that does not meet all requirements for beneficial reuse of soil in NR 718.12.

Activities Covered

Activities covered under this request include soils generated as part of:

1. Investigation and remediation activities associated with the Sites
2. On-property construction activities

All soils related to these activities will be temporarily stockpiled in accordance with the Materials Management Plan (MMP) (Arcadis 2024a¹) until approval for beneficial reuse is obtained from the WDNR.

Soil Sampling Criteria

To support the exemption request, representative soil samples will be collected in accordance with NR 718 characterization requirements from the stockpiled soil location(s). Samples will be collected per the site MMP (Arcadis 2024a¹) and Quality Assurance Project Plan (Arcadis 2024b²). Soil samples will be analyzed for VOCs and PFAS as the identified contaminants present at the Site. To qualify for reuse, soil must meet the criteria

¹ Arcadis. 2024a. Materials Management Plan. Tyco Fire Products LP. Tyco Technology Center, 2700 Industrial Parkway South, Marinette, Wisconsin. BRRTS No. 02-38-580694. March 5.

² Arcadis 2024b. Quality Assurance Project Plan Addendum. Tyco Fire Technology Center, Marinette, Wisconsin. 2700 Industrial Parkway, Marinette, Wisconsin. BRRTS No. 02-38-580694. March 29.

established in the 2021 MMP (Geosyntec 2021³), with PFOA concentrations below 5.0 ug/kg, PFOS concentrations below 0.9 ug/kg, and VOC residual contaminant levels (RCLs) in accordance with ch. NR 720, Wis. Admin. Code (soil cleanup standards). The WDNR-approved worksheet for calculating not-to-exceed direct contact values for industrial properties and compliance with VOC leaching criteria that will be used to confirm soils meet beneficial reuse criteria are included in **Table 1** and **Table 2**, respectively.

Planned Beneficial Reuse Materials Area

If the exemption is approved by the WDNR, all material would be reused on-property within one or both of the following areas (shown on **Figure 2**):

- South Beneficial Reuse Area: This 0.75-acre area is separated from Ditch A by a topographic high that would prevent runoff from entering the ditch. This area of the site requires an exemption to the locational standard in NR 718.12(1)(c)2 and 3 as portions of this area are within 100 feet of previously delineated wetlands and within 300 feet of Ditch A (Figure 2). This location was selected because it has an existing access road and is not currently part of future site development plans. It also has a natural topography that will prevent potential erosion of soils to other areas of the Property. Reusing soils in this area of the Property will not pose a threat to public health, safety, or the environment consistent with NR 718.12(1)(d)5. A native perennial seed mix will be applied along with an annual cover crop (if necessary) following completion of replacement private deep well construction activities.
- North Beneficial Reuse Area: This 0.5-acre area was previously approved for soil management activities and meets all setback requirements in NR 718.12(1)(c).

Process for Project-Specific Approvals

At least 7 days prior to reusing materials on the Property, Tyco will provide the following information to WDNR via email to request approval for beneficial reuse of materials per this MMP and a reference to WDNR's approval of this MMP:

- A summary description of the specific activity that generated the material
- Quantity of material to be managed
- Characterization results and comparison to applicable standards
- Proposed location where materials will be reused
- Schedule for material reuse

Following WDNR written concurrence with the specific project, materials will be managed as described within the timeframe specified and the following documentation will be submitted to the WDNR via email within 30 days of completion of the material management activities:

- Details of how the material was managed prior to placement
- Confirmation of where the material was placed (Area A or B) and relevant additional measures (seeding, etc.) as appropriate
- Photographs of the final location of the soil approved for placement

³ Geosyntec. 2021. Groundwater Extraction and Treatment System Revised Interim Remedial Action Materials Management Plan. Tyco Fire Technology Center. BRRTS No. 02-38-580694. September 10.

Alyssa Sellwood
Wisconsin Department of Natural Resources
July 19, 2024

Closing

If you have any questions regarding this exemption request, please feel free to contact me at either of the numbers listed below.

Sincerely,
Arcadis U.S., Inc.



Shauna Johnson
Project Manager

Email: shauna.johnson@arcadis.com
Direct Line: 312.575.3732
Mobile: 312.520.0305

CC. Denice Nelson, Tyco Fire Products LP

Enclosures:

- Table 1 – Soil RCL Worksheet
- Table 2 – RCLs Protective of Groundwater
- Figure 1 – Site Location
- Figure 2 – Excavated Soil Planned Reuse Area

Table 1 - Soil Residual Contaminant Levels Worksheet
TYCO Fire Technology Center
Marinette, Wisconsin
MMP Exemption Request

Composite Worker setting. NR 720, Wis. Adm. Code, Not-To-Exceed D-C RCLs from web-calculator at: http://epa-prgs.org/cgi-bin/chemicals/csl_search (Chicago as climatic zone).
 Not-to-Exceed D-C RCL defaults to 100,000 mg/kg if web-calculator result or Csat exceeds 10% by weight (the ceiling limit concentration defined in EPA RSL Users Guide).
 Basis: **ca** = cancer; **nc** = non-cancer; **Csat** = soil saturation concentration; **ceiling** = 10%.

Background threshold values are non-outlier trace element maximum levels in Wisconsin surface soils from the USGS Report at: <http://pubs.usgs.gov/sir/2011/5202>.

1. **Enter data in yellow cells.** Numeric-only values under "INPUT Site Data." For ND, use detection limit. Do not type '-', 'NA' nor 'space bar.' Leave purple cells "as is."
2. **After completing data entry, go to "Summary" in Row 924.**

(Contaminants not listed can be added starting at Row 912.)

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	Background Threshold Value (mg/kg)	INPUT Site Data (mg/kg)	Comparison / Hazard Index / Cumulative Cancer Risk		
								Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Target CR used: 1.00E-06 Cancer Risk (CR) from Data
Benzene	71-43-2	587.	7.07	7.07	ca					
Ethylbenzene	100-41-4	27,400.	35.4	35.4	ca					
Toluene	108-88-3	55,300.	-	818.	Csat					
Xylenes	1330-20-7	3,570.	-	260.	Csat					
Methyl tert-Butyl Ether (MTBE)	1634-04-4	93,000.	282.	282.	ca					
Dichloroethane, 1,2-	107-06-2	197.	2.87	2.87	ca					
Dibromoethane, 1,2-	106-93-4	470.	0.221	0.221	ca					
Trichloroethylene	79-01-6	26.7	8.41	8.41	ca					
Tetrachloroethylene	127-18-4	547.	145.	145.	ca					
Vinyl Chloride	75-01-4	515.	2.08	2.08	ca					
Dichloroethylene, 1,1-	75-35-4	1,430.	-	1,190.	Csat					
Dichloroethylene, 1,2-trans-	156-60-5	23,400.	-	1,850.	Csat					
Dichloroethylene, 1,2-cis-	156-59-2	2,340.	-	2,340.	nc					
Trichloroethane, 1,1,1-	71-55-6	51,000.	-	640.	Csat					
Carbon Tetrachloride	56-23-5	786.	4.03	4.03	ca					
Trimethylbenzene, 1,2,4-	95-63-6	2,390.	-	219.	Csat					
Trimethylbenzene, 1,3,5-	108-67-8	2,060.	-	182.	Csat					
Dioxane, 1,4-	123-91-1	6,190.	26.5	26.5	ca					
Naphthalene	91-20-3	830.	24.1	24.1	ca					
Nonane, n-	111-84-2	95.9	-	6.86	Csat					
Benzo[a]pyrene	50-32-8	222.	2.11	2.11	ca					
Acenaphthene	83-32-9	45,200.	-	45,200.	nc					
Acenaphthylene	208-96-8	-	-	-	-					
Anthracene	120-12-7	226,000.	-	100,000.	ceiling					
Benz[a]anthracene	56-55-3	-	20.8	20.8	ca					
Benzo(j)fluoranthene	205-82-3	-	1.76	1.76	ca					
Benzo[b]fluoranthene	205-99-2	-	21.1	21.1	ca					
Benzo[g,h,i]perylene	191-24-2	-	-	-	-					
Benzo[k]fluoranthene	207-08-9	-	211.	211.	ca					
Chrysene	218-01-9	-	2,110.	2,110.	ca					
Dibenz[a,h]anthracene	53-70-3	-	2.11	2.11	ca					
Dibenzo(a,e)pyrene	192-65-4	-	0.176	0.176	ca					
Dimethylbenz(a)anthracene, 7,12-	57-97-6	-	0.008	0.008	ca					
Fluoranthene	206-44-0	30,100.	-	30,100.	nc					
Fluorene	86-73-7	30,100.	-	30,100.	nc					
Indeno[1,2,3-cd]pyrene	193-39-5	-	21.1	21.1	ca					
Methylnaphthalene, 1-	90-12-0	52,700.	72.7	72.7	ca					
Methylnaphthalene, 2-	91-57-6	3,010.	-	3,010.	nc					

Table 1 - Soil Residual Contaminant Levels Worksheet
TYCO Fire Technology Center
Marinette, Wisconsin
MMP Exemption Request

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	Background Threshold Value (mg/kg)	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Nitropyrene, 4-	57835-92-4	-	1.76	1.76	ca					
Perylene	198-55-0	-	-							
Phenanthrene	85-01-8	-	-							
Pyrene	129-00-0	22,600.	-	22,600.	nc					
Methylcholanthrene, 3-	56-49-5	-	0.104	0.104	ca					
Aluminum	7429-90-5	1,130,000.	-	100,000.	ceiling	28,721.				
Arsenic, Inorganic	7440-38-2	480.	3.	3.	ca	8.				
Barium	7440-39-3	219,000.	-	100,000.	ceiling	364.				
Beryllium and compounds	7440-41-7	2,300.	7,970.	2,300.	nc					
Cadmium (Diet)	7440-43-9	985.	10,600.	985.	nc	1.				
Calcium	7440-70-2	-	-			14,536.				
Chromium(VI)	18540-29-9	3,490.	6.36	6.36	ca					
Chromium(III), Insoluble Salts	16065-83-1	1,750,000.	-	100,000.	ceiling					
Chromium, Total	7440-47-3	-	-			44.				
Cobalt	7440-48-4	347.	2,130.	347.	nc	22.				
Copper	7440-50-8	46,700.	-	46,700.	nc	35.				
Mercury (elemental)	7439-97-6	65.8	-	3.13	Csat					
Iron	7439-89-6	818,000.	-	100,000.	ceiling	34,314.				
Magnesium	7439-95-4	-	-			8,290.				
Lead and Compounds	7439-92-1	800.	-	800.	nc	52.				
Manganese (Non-diet)	7439-96-5	25,900.	-	25,900.	nc	2,937.				
Molybdenum	7439-98-7	5,840.	-	5,840.	nc					
Nickel Soluble Salts	7440-02-0	22,500.	73,600.	22,500.	nc	31.				
Selenium	7782-49-2	5,840.	-	5,840.	nc					
Strontium, Stable	7440-24-6	701,000.	-	100,000.	ceiling	55.				
Vanadium and Compounds	7440-62-2	5,840.	-	5,840.	nc	85.				
Zinc and Compounds	7440-66-6	350,000.	-	100,000.	ceiling	150.				
Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	5.13	0.158	0.158	ca					
Tetrachlorobiphenyl, 3,4,4',5'- (PCB 81)	70362-50-4	1.7	0.049	0.049	ca					
Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	17.1	0.498	0.498	ca					
Pentachlorobiphenyl, 2,3,4,4',5'- (PCB 114)	74472-37-0	17.1	0.51	0.51	ca					
Pentachlorobiphenyl, 2,3',4,4',5'- (PCB 118)	31508-00-6	17.1	0.498	0.498	ca					
Pentachlorobiphenyl, 2',3,4,4',5'- (PCB 123)	65510-44-3	17.1	0.503	0.503	ca					
Pentachlorobiphenyl, 3,3',4,4',5'- (PCB 126)	57465-28-8	0.005	1.51E-04	1.51E-04	ca					
Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 156)	38380-08-4	17.1	0.511	0.511	ca					
Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	17.1	0.51	0.51	ca					
Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	17.1	0.516	0.516	ca					
Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	0.017	5.16E-04	5.16E-04	ca					
Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	17.1	0.519	0.519	ca					
Aroclor 1016	12674-11-2	51.3	28.	28.	ca					
Aroclor 1221	11104-28-2	-	0.883	0.883	ca					
Aroclor 1232	11141-16-5	-	0.792	0.792	ca					
Aroclor 1242	53469-21-9	-	0.972	0.972	ca					
Aroclor 1248	12672-29-6	-	0.975	0.975	ca					
Aroclor 1254	11097-69-1	14.7	0.988	0.988	ca					
Aroclor 1260	11096-82-5	-	1.	1.	ca					
Aroclor 5460	11126-42-4	440.	-	440.	nc					
Polychlorinated Biphenyls (high risk)	1336-36-3	-	0.967	0.967	ca					
Acephate	30560-19-1	985.	-	985.	nc					

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Acetaldehyde	75-07-0	496.	70.2	70.2	ca					
Acetochlor	34256-82-1	16,400.	-	16,400.	nc					
Acetone	67-64-1	754,000.	-	100,000.	ceiling					
Acetone Cyanohydrin	75-86-5	13,700,000.	-	100,000.	ceiling					
Acetonitrile	75-05-8	4,920.	-	4,920.	nc					
Acetophenone	98-86-2	117,000.	-	2,520.	Csat					
Acetylaminofluorene, 2-	53-96-3	-	0.605	0.605	ca					
Acrolein	107-02-8	0.873	-	0.873	nc					
Acrylamide	79-06-1	1,640.	4.6	4.6	ca					
Acrylic Acid	79-10-7	602.	-	602.	nc					
Acrylonitrile	107-13-1	97.	1.5	1.5	ca					
Adiponitrile	111-69-3	41,000,000.	-	100,000.	ceiling					
Alachlor	15972-60-8	8,210.	41.	41.	ca					
Aldicarb	116-06-3	821.	-	821.	nc					
Aldicarb Sulfone	1646-88-4	821.	-	821.	nc					
Aldrin	309-00-2	35.	0.187	0.187	ca					
Allyl Alcohol	107-18-6	21.5	-	21.5	nc					
Allyl Chloride	107-05-1	10.	4.54	4.54	ca					
Aluminum metaphosphate	13776-88-0	56,800,000.	-	100,000.	ceiling					
Aluminum Phosphide	20859-73-8	467.	-	467.	nc					
Ametryn	834-12-8	7,390.	-	7,390.	nc					
Aminobiphenyl, 4-	92-67-1	-	0.109	0.109	ca					
Aminophenol, m-	591-27-5	65,700.	-	65,700.	nc					
Aminophenol, o-	95-55-6	3,280.	-	3,280.	nc					
Aminophenol, p-	123-30-8	16,400.	-	16,400.	nc					
Amitraz	33089-61-1	2,050.	-	2,050.	nc					
Ammonium Perchlorate	7790-98-9	818.	-	818.	nc					
Ammonium polyphosphate	68333-79-9	56,800,000.	-	100,000.	ceiling					
Ammonium Sulfamate	7773-06-0	234,000.	-	100,000.	ceiling					
Amyl Alcohol, tert-	75-85-4	497.	-	497.	nc					
Aniline	62-53-3	5,740.	403.	403.	ca					
Anthraquinone, 9,10-	84-65-1	1,640.	57.4	57.4	ca					
Antimony (metallic)	7440-36-0	467.	-	467.	nc					
Antimony Pentoxide	1314-60-9	584.	-	584.	nc					
Antimony Tetroxide	1332-81-6	467.	-	467.	nc					
Antimony Trioxide	1309-64-4	1,370,000.	-	100,000.	ceiling					
Arsine	7784-42-1	4.09	-	4.09	nc					
Asulam	3337-71-1	29,500.	-	29,500.	nc					
Atrazine	1912-24-9	28,700.	9.99	9.99	ca					
Auramine	492-80-8	-	2.61	2.61	ca					
Avermectin B1	65195-55-3	328.	-	328.	nc					
Azinphos-methyl	86-50-0	2,460.	-	2,460.	nc					
Azobenzene	103-33-3	-	27.	27.	ca					
Azodicarbonamide	123-77-3	45,200.	-	45,200.	nc					
Benfluralin	1861-40-1	5,840.	-	5,840.	nc					
Benomyl	17804-35-2	41,000.	-	41,000.	nc					
Bensulfuron-methyl	83055-99-6	164,000.	-	100,000.	ceiling					
Bentazon	25057-89-0	24,600.	-	24,600.	nc					
Benzaldehyde	100-52-7	117,000.	818.	818.	ca					

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Benzene, Ethyldimethyl	29224-55-3	-	-	130.	Csat					
Benzene, Ethylmethyl	25550-14-5	-	-	330.	Csat					
Benzene, Methylpropenyl	768-00-3	-	-	407.	Csat					
Benzene, Trimethyl	25551-13-7	-	-	182.	Csat					
Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1	246.	23.	23.	ca					
Benzenethiol	108-98-5	1,170.	-	1,170.	nc					
Benzidine	92-87-5	2,460.	0.01	0.01	ca					
Benzoic Acid	65-85-0	3,280,000.	-	100,000.	ceiling					
Benzotrichloride	98-07-7	-	0.252	0.252	ca					
Benzyl Alcohol	100-51-6	82,100.	-	82,100.	nc					
Benzyl Chloride	100-44-7	151.	6.23	6.23	ca					
BifenoX	42576-02-3	7,390.	-	7,390.	nc					
Biphenthrin	82657-04-3	12,300.	-	12,300.	nc					
Biphenyl, 1,1'-	92-52-4	288.	409.	288.	nc					
Bis(2-chloro-1-methylethyl) ether	108-60-1	46,700.	-	1,020.	Csat					
Bis(2-chloroethoxy)methane	111-91-1	2,460.	-	2,460.	nc					
Bis(2-chloroethyl)ether	111-44-4	-	1.29	1.29	ca					
Bis(2-ethylhexyl)phthalate	117-81-7	16,400.	164.	164.	ca					
Bis(chloromethyl)ether	542-88-1	-	5.17E-04	5.17E-04	ca					
Bisphenol A	80-05-7	41,000.	-	41,000.	nc					
Boron And Borates Only	7440-42-8	233,000.	-	100,000.	ceiling					
Boron Trichloride	10294-34-5	2,300,000.	-	100,000.	ceiling					
Boron Trifluoride	7637-07-2	46,700.	-	46,700.	nc					
Bromate	15541-45-4	4,670.	4.67	4.67	ca					
Bromine	7726-95-6	-	-	100,000.	ceiling					
Bromo-2-chloroethane, 1-	107-04-0	-	0.158	0.158	ca					
Bromo-3-fluorobenzene, 1-	1073-06-9	350.	-	350.	nc					
Bromo-4-Ethylbenzene, 1-	1585-07-5	-	-	103.	Csat					
Bromo-4-fluorobenzene, 1-	460-00-4	350.	-	323.	Csat					
Bromobenzene	108-86-1	2,370.	-	679.	Csat					
Bromochloromethane	74-97-5	906.	-	906.	nc					
Bromodichloromethane	75-27-4	23,400.	1.83	1.83	ca					
Bromodiphenyl Ether, p-	101-55-3	-	-	26.9	Csat					
Bromoform	75-25-2	23,400.	113.	113.	ca					
Bromomethane	74-83-9	43.	-	43.	nc					
Bromophos	2104-96-3	5,840.	-	5,840.	nc					
Bromopropane, 1-	106-94-5	1,350.	-	966.	Csat					
Bromotrichloromethane	75-62-7	-	-	318.	Csat					
Bromoxynil	1689-84-5	12,300.	22.3	22.3	ca					
Bromoxynil Octanoate	1689-99-2	17,500.	31.8	31.8	ca					
Butadiene, 1,3-	106-99-0	11.	0.334	0.334	ca					
Butanoic acid, 4-(2,4-dichlorophenoxy)-	94-82-6	24,600.	-	24,600.	nc					
Butanol	35296-72-1	-	-	14,700.	Csat					
Butanol, N-	71-36-3	117,000.	-	7,640.	Csat					
Butyl alcohol, sec-	78-92-2	1,640,000.	-	21,300.	Csat					
Butyl Benzyl Phthalate	85-68-7	164,000.	1,210.	1,210.	ca					
Butyl Formate, tert-	762-75-4	-	-	1,700.	Csat					
Butylacetate	123-86-4	-	-	1,790.	Csat					
Butylate	2008-41-5	58,400.	-	58,400.	nc					

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Butylated hydroxyanisole	25013-16-5	-	11,500.	11,500.	ca					
Butylated hydroxytoluene	128-37-0	246,000.	638.	638.	ca					
Butylbenzene, n-	104-51-8	58,400.	-	108.	Csat					
Butylbenzene, sec-	135-98-8	117,000.	-	145.	Csat					
Butylbenzene, tert-	98-06-6	117,000.	-	183.	Csat					
Butylchloride, t-	507-20-0	-	-	1,330.	Csat					
Butylphthalyl Butylglycolate	85-70-1	821,000.	-	100,000.	ceiling					
Cacodylic Acid	75-60-5	16,400.	-	16,400.	nc					
Calcium Cyanide	592-01-8	1,170.	-	1,170.	nc					
Calcium pyrophosphate	7790-76-3	56,800,000.	-	100,000.	ceiling					
Caprolactam	105-60-2	399,000.	-	100,000.	ceiling					
Captafol	2425-06-1	1,640.	15.3	15.3	ca					
Captan	133-06-2	107,000.	999.	999.	ca					
Carbaryl	63-25-2	82,100.	-	82,100.	nc					
Carbofuran	1563-66-2	4,100.	-	4,100.	nc					
Carbon Disulfide	75-15-0	4,950.	-	738.	Csat					
Carbonyl Sulfide	463-58-1	409.	-	409.	nc					
Carbosulfan	55285-14-8	8,210.	-	8,210.	nc					
Carboxin	5234-68-4	82,100.	-	82,100.	nc					
Ceric oxide	1306-38-3	6,150,000.	-	100,000.	ceiling					
Chloral	75-87-6	-	-	3,380.	Csat					
Chloral Hydrate	302-17-0	117,000.	-	100,000.	ceiling					
Chloramben	133-90-4	12,300.	-	12,300.	nc					
Chloranil	118-75-2	-	5.7	5.7	ca					
Chlordane	12789-03-6	465.	7.76	7.76	ca					
Chlordecone (Kepone)	143-50-0	246.	0.23	0.23	ca					
Chlorfenvinphos	470-90-6	574.	-	574.	nc					
Chlorimuron, Ethyl-	90982-32-4	73,900.	-	73,900.	nc					
Chlorine	7782-50-5	1.12	-	1.12	nc					
Chlorine Dioxide	10049-04-4	34,200.	-	34,200.	nc					
Chlorite (Sodium Salt)	7758-19-2	35,000.	-	35,000.	nc					
Chloro-1,1-difluoroethane, 1-	75-68-3	325,000.	-	1,150.	Csat					
Chloro-1,3-butadiene, 2-	126-99-8	136.	0.064	0.064	ca					
Chloro-2-methylaniline HCl, 4-	3165-93-3	-	5.	5.	ca					
Chloro-2-methylaniline, 4-	95-69-2	2,460.	23.	23.	ca					
Chloroacetaldehyde, 2-	107-20-0	-	12.1	12.1	ca					
Chloroacetophenone, 2-	532-27-4	205,000.	-	100,000.	ceiling					
Chloroaniline, p-	106-47-8	3,280.	11.5	11.5	ca					
Chlorobenzene	108-90-7	1,870.	-	761.	Csat					
Chlorobenzene sulfonic acid, p-	98-66-8	82,100.	-	82,100.	nc					
Chlorobenzilate	510-15-6	16,400.	20.9	20.9	ca					
Chlorobenzoic Acid, p-	74-11-3	24,600.	-	24,600.	nc					
Chlorobenzotrifluoride, 3-nitro-4-	121-17-5	-	-	547.	Csat					
Chlorobenzotrifluoride, 4-	98-56-6	2,750.	-	290.	Csat					
Chlorobutane, 1-	109-69-3	46,700.	-	728.	Csat					
Chlorobutane, 2-	78-86-4	-	-	651.	Csat					
Chlorocyclopentadiene	41851-50-7	-	-	1,010.	Csat					
Chlorodifluoromethane	75-45-6	297,000.	-	1,680.	Csat					
Chloroethanol, 2-	107-07-3	23,400.	-	23,400.	nc					

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Chloroethylvinyl ether, 2-	110-75-8	-	-	117.	Csat					
Chloroform	67-66-3	1,420.	1.98	1.98	ca					
Chloromethane	74-87-3	669.	-	669.	nc					
Chloromethyl Methyl Ether	107-30-2	-	0.124	0.124	ca					
Chloronaphthalene, alpha-	90-13-1	-	-	266.	Csat					
Chloronaphthalene, Beta-	91-58-7	60,300.	-	60,300.	nc					
Chloronitrobenzene, o-	88-73-3	2,380.	7.66	7.66	ca					
Chloronitrobenzene, p-	100-00-5	574.	38.3	38.3	ca					
Chlorophenol, 2-	95-57-8	5,840.	-	5,840.	nc					
Chlorophenyl Methyl Sulfide, p-	123-09-1	-	-	523.	Csat					
Chloropicrin	76-06-2	11.8	-	11.8	nc					
Chloropropane, 2-	75-29-6	-	-	1,320.	Csat					
Chlorothalonil	1897-45-6	12,300.	741.	741.	ca					
Chlorotoluene, o-	95-49-8	23,400.	-	907.	Csat					
Chlorotoluene, p-	106-43-4	23,400.	-	253.	Csat					
Chlorozotocin	54749-90-5	-	0.01	0.01	ca					
Chlorpropham	101-21-3	41,000.	-	41,000.	nc					
Chlorpyrifos	2921-88-2	821.	-	821.	nc					
Chlorpyrifos Methyl	5598-13-0	8,210.	-	8,210.	nc					
Chlorsulfuron	64902-72-3	41,000.	-	41,000.	nc					
Chlorthal-dimethyl	1861-32-1	8,210.	-	8,210.	nc					
Chlorthiophos	60238-56-4	657.	-	657.	nc					
Clofentezine	74115-24-5	10,700.	-	10,700.	nc					
Copper Cyanide	544-92-3	5,840.	-	5,840.	nc					
Cresol, m-	108-39-4	41,000.	-	41,000.	nc					
Cresol, o-	95-48-7	41,000.	-	41,000.	nc					
Cresol, p-	106-44-5	82,100.	-	82,100.	nc					
Cresol, p-chloro-m-	59-50-7	82,100.	-	82,100.	nc					
Cresols	1319-77-3	82,100.	-	82,100.	nc					
Crotonaldehyde	4170-30-3	-	-	20,100.	Csat					
Crotonaldehyde, trans-	123-73-9	1,170.	1.72	1.72	ca					
Cumene	98-82-8	13,800.	-	268.	Csat					
Cupferron	135-20-6	-	10.4	10.4	ca					
Cyanazine	21725-46-2	1,640.	2.74	2.74	ca					
Cyanide (CN-)	57-12-5	195.	-	195.	nc					
Cyanogen	460-19-5	1,170.	-	1,170.	nc					
Cyanogen Bromide	506-68-3	105,000.	-	100,000.	ceiling					
Cyanogen Chloride	506-77-4	58,400.	-	58,400.	nc					
Cyclohexane	110-82-7	39,600.	-	117.	Csat					
Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3	16,400.	115.	115.	ca					
Cyclohexanone	108-94-1	179,000.	-	5,110.	Csat					
Cyclohexene	110-83-8	3,580.	-	283.	Csat					
Cyclohexylamine	108-91-8	234,000.	-	100,000.	ceiling					
Cyclopentadiene	542-92-7	-	-	1,340.	Csat					
Cyfluthrin	68359-37-5	20,500.	-	20,500.	nc					
Cyhalothrin	68085-85-8	821.	-	821.	nc					
Cyromazine	66215-27-8	410,000.	-	100,000.	ceiling					
Dalapon	75-99-0	24,600.	-	24,600.	nc					
Daminozide	1596-84-5	123,000.	128.	128.	ca					

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DDD, p,p' - (DDD)	72-54-8	24.6	9.57	9.57	ca					
DDE, p,p'-	72-55-9	350.	9.38	9.38	ca					
DDT	50-29-3	518.	8.53	8.53	ca					
Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	5,740.	3,280.	3,280.	ca					
Decane	124-18-5	-	-	2.53	Csat					
Decanol, n-	112-30-1	-	-	31.9	Csat					
Demeton	8065-48-3	32.8	-	32.8	nc					
Di(2-ethylhexyl)adipate	103-23-1	492,000.	1,910.	1,910.	ca					
Diallate	2303-16-4	-	37.7	37.7	ca					
Diammonium phosphate	7783-28-0	56,800,000.	-	100,000.	ceiling					
Diazinon	333-41-5	574.	-	574.	nc					
Dibenzofuran	132-64-9	1,040.	-	1,040.	nc					
Dibenzothiophene	132-65-0	11,700.	-	11,700.	nc					
Dibromo-3-chloropropane, 1,2-	96-12-8	34.5	0.092	0.092	ca					
Dibromobenzene, 1,3-	108-36-1	467.	-	159.	Csat					
Dibromobenzene, 1,4-	106-37-6	11,700.	-	11,700.	nc					
Dibromochloromethane	124-48-1	23,400.	38.9	38.9	ca					
Dibromomethane (Methylene Bromide)	74-95-3	143.	-	143.	nc					
Dibutyl Phthalate	84-74-2	82,100.	-	82,100.	nc					
Dibutyltin diacetate	1067-33-0	-	-	1.87	Csat					
Dicalcium phosphate	7757-93-9	56,800,000.	-	100,000.	ceiling					
Dicamba	1918-00-9	24,600.	-	24,600.	nc					
Dichloro-2-butene, 1,4-	764-41-0	-	0.014	0.014	ca					
Dichloro-2-butene, cis-1,4-	1476-11-5	-	0.047	0.047	ca					
Dichloro-2-butene, trans-1,4-	110-57-6	-	0.047	0.047	ca					
Dichloroacetic Acid	79-43-6	3,280.	46.	46.	ca					
Dichlorobenzene	25321-22-6	-	-	193.	Csat					
Dichlorobenzene, 1,2-	95-50-1	13,000.	-	376.	Csat					
Dichlorobenzene, 1,3-	541-73-1	-	-	297.	Csat					
Dichlorobenzene, 1,4-	106-46-7	32,100.	16.4	16.4	ca					
Dichlorobenzidine, 3,3'-	91-94-1	-	5.11	5.11	ca					
Dichlorobenzophenone, 4,4'-	90-98-2	7,390.	-	7,390.	nc					
Dichlorobenzotrifluoride, 3,4-	328-84-7	-	-	302.	Csat					
Dichlorodifluoromethane	75-71-8	530.	-	530.	nc					
Dichlorodiisopropyl ether, 2,2'-	39638-32-9	-	-	235.	Csat					
Dichloroethane, 1,1-	75-34-3	234,000.	22.2	22.2	ca					
Dichlorophenol, 2,4-	120-83-2	2,460.	-	2,460.	nc					
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	9,640.	-	9,640.	nc					
Dichloropropane, 1,2-	78-87-5	95.6	15.	15.	ca					
Dichloropropane, 1,3-	142-28-9	23,400.	-	1,490.	Csat					
Dichloropropane, 2,2-	594-20-7	-	-	191.	Csat					
Dichloropropanol, 2,3-	616-23-9	2,460.	-	2,460.	nc					
Dichloropropene, 1,3-	542-75-6	444.	10.6	10.6	ca					
Dichloropropene, 2,3-	78-88-6	-	-	1,070.	Csat					
Dichloropropene, cis-1,3-	10061-01-5	-	-	1,210.	Csat					
Dichloropropene, trans-1,3-	10061-02-6	-	-	1,510.	Csat					
Dichlorvos	62-73-7	410.	7.92	7.92	ca					
Dicrotophos	141-66-2	24.6	-	24.6	nc					
Dicyclohexylamine	101-83-7	-	-	122.	Csat					

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Marinette, Wisconsin
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Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	Background Threshold Value (mg/kg)	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Dicyclopentadiene	77-73-6	7.8	-	7.8	nc					
Dieldrin	60-57-1	41.	0.144	0.144	ca					
Diepoxybutane	1464-53-5	-	-	100,000.	ceiling					
Diethanolamine	111-42-2	1,640.	-	1,640.	nc					
Diethyl Phthalate	84-66-2	657,000.	-	100,000.	ceiling					
Diethylene Glycol Monobutyl Ether	112-34-5	23,800.	-	23,800.	nc					
Diethylene Glycol Monoethyl Ether	111-90-0	48,100.	-	48,100.	nc					
Diethylformamide	617-84-5	1,170.	-	1,170.	nc					
Diethylphosphorodithioate	298-06-6	-	-	0.022	Csat					
Diethylstilbestrol	56-53-1	-	0.007	0.007	ca					
Difenzoquat	43222-48-6	68,100.	-	68,100.	nc					
Diflubenzuron	35367-38-5	16,400.	-	16,400.	nc					
Difluoroethane, 1,1-	75-37-6	290,000.	-	1,430.	Csat					
Difluoropropane, 2,2-	420-45-1	144,000.	-	691.	Csat					
Dihydrosafrole	94-58-6	-	51.5	51.5	ca					
Diisopropyl Ether	108-20-3	13,500.	-	2,260.	Csat					
Diisopropyl Methylphosphonate	1445-75-6	93,400.	-	530.	Csat					
Dimagnesium phosphate	7782-75-4	56,800,000.	-	100,000.	ceiling					
Dimethipin	55290-64-7	17,900.	-	17,900.	nc					
Dimethoate	60-51-5	1,810.	-	1,810.	nc					
Dimethoxybenzidine, 3,3'	119-90-4	-	1.44	1.44	ca					
Dimethyl methylphosphonate	756-79-6	49,200.	1,350.	1,350.	ca					
Dimethyl Sulfide	75-18-3	-	-	5,350.	Csat					
Dimethylamino azobenzene [p-]	60-11-7	-	0.5	0.5	ca					
Dimethylaniline HCl, 2,4-	21436-96-4	-	3.96	3.96	ca					
Dimethylaniline, 2,4-	95-68-1	1,640.	11.5	11.5	ca					
Dimethylaniline, N,N-	121-69-7	2,340.	121.	121.	ca					
Dimethylbenzidine, 3,3'	119-93-7	-	0.209	0.209	ca					
Dimethylformamide	68-12-2	20,100.	-	20,100.	nc					
Dimethylhydrazine, 1,1-	57-14-7	0.349	-	0.349	nc					
Dimethylhydrazine, 1,2-	540-73-8	-	0.005	0.005	ca					
Dimethylmercury	593-74-8	-	-	2,190.	Csat					
Dimethylphenol, 2,4-	105-67-9	16,400.	-	16,400.	nc					
Dimethylphenol, 2,6-	576-26-1	492.	-	492.	nc					
Dimethylphenol, 3,4-	95-65-8	821.	-	821.	nc					
Dimethylterephthalate	120-61-6	117,000.	-	100,000.	ceiling					
Dimethylvinylchloride	513-37-1	-	6.77	6.77	ca					
Di-n-hexylphthalate	84-75-3	-	-	3.84	Csat					
Dinitrobenzene, 1,2-	528-29-0	82.1	-	82.1	nc					
Dinitrobenzene, 1,3-	99-65-0	82.1	-	82.1	nc					
Dinitrobenzene, 1,4-	100-25-4	82.1	-	82.1	nc					
Dinitro-o-cresol, 4,6-	534-52-1	65.7	-	65.7	nc					
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	1,640.	-	1,640.	nc					
Dinitrophenol, 2,4-	51-28-5	1,640.	-	1,640.	nc					
Dinitrotoluene, 2,4-	121-14-2	1,630.	7.37	7.37	ca					
Dinitrotoluene, 2,6-	606-20-2	247.	1.54	1.54	ca					
Dinitrotoluene, 2-Amino-4,6-	35572-78-2	2,280.	-	2,280.	nc					
Dinitrotoluene, 4-Amino-2,6-	19406-51-0	2,250.	-	2,250.	nc					
Dinitrotoluene, Technical grade	25321-14-6	739.	5.11	5.11	ca					

Table 1 - Soil Residual Contaminant Levels Worksheet
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Dinoseb	88-85-7	821.	-	821.	nc					
Diphenamid	957-51-7	24,600.	-	24,600.	nc					
Diphenyl Ether	101-84-8	204.	-	204.	nc					
Diphenyl Sulfone	127-63-9	657.	-	657.	nc					
Diphenylamine	122-39-4	82,100.	-	82,100.	nc					
Diphenylhydrazine, 1,2-	122-66-7	-	2.87	2.87	ca					
Dipotassium phosphate	7758-11-4	56,800,000.	-	100,000.	ceiling					
Diquat	85-00-7	1,810.	-	1,810.	nc					
Direct Black 38	1937-37-7	-	0.323	0.323	ca					
Direct Blue 6	2602-46-2	-	0.31	0.31	ca					
Direct Brown 95	16071-86-6	-	0.342	0.342	ca					
Disodium phosphate	7558-79-4	56,800,000.	-	100,000.	ceiling					
Disulfoton	298-04-4	32.8	-	32.8	nc					
Dithiane, 1,4-	505-29-3	11,700.	-	11,700.	nc					
Diuron	330-54-1	1,640.	-	1,640.	nc					
Dodine	2439-10-3	16,400.	-	16,400.	nc					
Endosulfan	115-29-7	7,010.	-	7,010.	nc					
Endothall	145-73-3	16,400.	-	16,400.	nc					
Endrin	72-20-8	246.	-	246.	nc					
Epichlorohydrin	106-89-8	117.	151.	117.	nc					
Epoxybutane, 1,2-	106-88-7	968.	-	968.	nc					
EPTC	759-94-4	58,400.	-	58,400.	nc					
Ethanol	64-17-5	-	-	100,000.	ceiling					
Ethanol, 2-(2-methoxyethoxy)-	111-77-3	32,800.	-	32,800.	nc					
Ethephon	16672-87-0	4,100.	-	4,100.	nc					
Ethion	563-12-2	410.	-	410.	nc					
Ethoxy Propanol	52125-53-8	-	-	39,600.	Csat					
Ethoxyethanol Acetate, 2-	111-15-9	19,400.	-	19,400.	nc					
Ethoxyethanol, 2-	110-80-5	57,000.	-	57,000.	nc					
Ethyl Acetate	141-78-6	3,800.	-	3,800.	nc					
Ethyl Acrylate	140-88-5	304.	-	304.	nc					
Ethyl Chloride	75-00-3	81,900.	-	2,120.	Csat					
Ethyl Ether	60-29-7	234,000.	-	10,100.	Csat					
Ethyl Methacrylate	97-63-2	10,900.	-	1,100.	Csat					
Ethylene Cyanohydrin	109-78-4	57,400.	-	57,400.	nc					
Ethylene Diamine	107-15-3	105,000.	-	100,000.	ceiling					
Ethylene Glycol	107-21-1	1,640,000.	-	100,000.	ceiling					
Ethylene Glycol Monobutyl Ether	111-76-2	82,100.	-	82,100.	nc					
Ethylene Oxide	75-21-8	1,150.	0.036	0.036	ca					
Ethylene Thiourea	96-45-7	65.7	51.1	51.1	ca					
Ethyleneimine	151-56-4	-	0.015	0.015	ca					
Ethylphthalyl Ethyl Glycolate	84-72-0	2,460,000.	-	100,000.	ceiling					
Ethyl-p-nitrophenyl Phosphonate	2104-64-5	8.21	-	8.21	nc					
Fenamiphos	22224-92-6	205.	-	205.	nc					
Fenpropathrin	39515-41-8	20,500.	-	20,500.	nc					
Fenvalerate	51630-58-1	20,500.	-	20,500.	nc					
Fluometuron	2164-17-2	10,700.	-	10,700.	nc					
Fluoride	16984-48-8	46,700.	-	46,700.	nc					
Fluorine (Soluble Fluoride)	7782-41-4	70,000.	-	70,000.	nc					

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Fluorobenzene	462-06-6	-	-	2,390.	Csat					
Fluorophenol, 2-	367-12-4	-	-	27,300.	Csat					
Fluridone	59756-60-4	65,700.	-	65,700.	nc					
Flurprimidol	56425-91-3	32,800.	-	32,800.	nc					
Flusilazole	85509-19-9	1,640.	-	1,640.	nc					
Flutolanil	66332-96-5	410,000.	-	100,000.	ceiling					
Fluvalinate	69409-94-5	8,210.	-	8,210.	nc					
Folpet	133-07-3	73,900.	-	73,900.	nc					
Fomesafen	72178-02-0	2,050.	-	2,050.	nc					
Fonofos	944-22-9	1,640.	-	1,640.	nc					
Formaldehyde	50-00-0	4,730.	106.	106.	ca					
Formic Acid	64-18-6	176.	-	176.	nc					
Fosetyl-AL	39148-24-8	2,050,000.	-	100,000.	ceiling					
Furan	110-00-9	1,040.	-	1,040.	nc					
Furazolidone	67-45-8	-	0.605	0.605	ca					
Furfural	98-01-1	2,850.	-	2,850.	nc					
Furium	531-82-8	-	1.53	1.53	ca					
Furmecyclox	60568-05-0	-	76.6	76.6	ca					
Glufosinate, Ammonium	77182-82-2	4,920.	-	4,920.	nc					
Glutaraldehyde	111-30-8	71,400.	-	71,400.	nc					
Glycidyl	765-34-4	249.	-	249.	nc					
Glyphosate	1071-83-6	82,100.	-	82,100.	nc					
Guanidine	113-00-8	11,700.	-	11,700.	nc					
Guanidine Chloride	50-01-1	16,400.	-	16,400.	nc					
Guanidine Nitrate	506-93-4	24,600.	-	24,600.	nc					
Haloxypop, Methyl	69806-40-2	41.	-	41.	nc					
Heptachlor	76-44-8	584.	0.654	0.654	ca					
Heptachlor Epoxide	1024-57-3	15.2	0.338	0.338	ca					
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	67562-39-4	0.073	0.002	0.002	ca					
Heptanal, n-	111-71-7	148.	-	148.	nc					
Heptane, N-	142-82-5	303.	-	57.9	Csat					
Heptanol, n-	111-70-6	-	-	378.	Csat					
Hexabromobenzene	87-82-1	2,340.	-	2,340.	nc					
Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2	164.	-	164.	nc					
Hexachlorobenzene	118-74-1	934.	1.15	1.15	ca					
Hexachlorobutadiene	87-68-3	1,170.	7.19	7.19	ca					
Hexachlorocyclohexane, Alpha-	319-84-6	6,570.	0.365	0.365	ca					
Hexachlorocyclohexane, Beta-	319-85-7	-	1.28	1.28	ca					
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	300.	2.54	2.54	ca					
Hexachlorocyclohexane, Technical	608-73-1	-	1.28	1.28	ca					
Hexachlorocyclopentadiene	77-47-4	10.8	-	10.8	nc					
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648-26-9	0.007	2.20E-04	2.20E-04	ca					
Hexachlorodibenzo-p-dioxin, 1,2,3,4,7,8-	39227-28-6	0.007	2.23E-04	2.23E-04	ca					
Hexachloroethane	67-72-1	531.	11.1	11.1	ca					
Hexachlorophene	70-30-4	246.	-	246.	nc					
Hexachloropropene	1888-71-7	-	-	43.8	Csat					
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	4,390.	38.4	38.4	ca					
Hexamethylene Diisocyanate, 1,6-	822-06-0	19.	-	19.	nc					
Hexamethylphosphoramide	680-31-9	328.	-	328.	nc					

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Hexane, N-	110-54-3	3,670.	-	141.	Csat					
Hexanedioic Acid	124-04-9	1,640,000.	-	100,000.	ceiling					
Hexanol, n-	111-27-3	-	-	999.	Csat					
Hexanone, 2-	591-78-6	1,760.	-	1,760.	nc					
Hexazinone	51235-04-2	27,100.	-	27,100.	nc					
Hexythiazox	78587-05-0	20,500.	-	20,500.	nc					
HpCDD, 1,2,3,4,6,7,8,-	35822-46-9	0.073	0.002	0.002	ca					
HpCDF, 1,2,3,4,7,8,9-	55673-89-7	0.073	0.002	0.002	ca					
HxCDD, 1,2,3,6,7,8-	57653-85-7	0.007	2.23E-04	2.23E-04	ca					
HxCDD, 1,2,3,7,8,9-	19408-74-3	0.007	2.23E-04	2.23E-04	ca					
HxCDF, 1,2,3,6,7,8-	57117-44-9	0.007	2.20E-04	2.20E-04	ca					
HxCDF, 1,2,3,7,8,9-	72918-21-9	0.007	2.23E-04	2.23E-04	ca					
HxCDF, 2,3,4,6,7,8-	60851-34-5	0.007	2.23E-04	2.23E-04	ca					
Hydramethylnon	67485-29-4	14,000.	-	14,000.	nc					
Hydrazine	302-01-2	12.3	0.193	0.193	ca					
Hydrazine Sulfate	10034-93-2	-	1.09	1.09	ca					
Hydrogen Chloride	7647-01-0	137,000,000.	-	100,000.	ceiling					
Hydrogen Cyanide	74-90-8	192.	-	192.	nc					
Hydrogen Fluoride	7664-39-3	46,700.	-	46,700.	nc					
Hydrogen Sulfide	7783-06-4	13,700,000.	-	100,000.	ceiling					
Hydroquinone	123-31-9	32,800.	38.3	38.3	ca					
Imazalil	35554-44-0	2,050.	37.6	37.6	ca					
Imazaquin	81335-37-7	205,000.	-	100,000.	ceiling					
Imazethapyr	81335-77-5	2,050,000.	-	100,000.	ceiling					
Iodine	7553-56-2	11,700.	-	11,700.	nc					
Iodomethane	74-88-4	-	-	3,040.	Csat					
Iprodione	36734-19-7	32,800.	-	32,800.	nc					
Isobutyl Alcohol	78-83-1	350,000.	-	10,000.	Csat					
Isophorone	78-59-1	164,000.	2,420.	2,420.	ca					
Isopropalin	33820-53-0	17,500.	-	17,500.	nc					
Isopropanol	67-63-0	34,500.	-	34,500.	nc					
Isopropyl Methyl Phosphonic Acid	1832-54-8	82,100.	-	82,100.	nc					
Isopropyltoluene, p-	99-87-6	-	-	162.	Csat					
Isosafrole	120-58-1	-	-	234.	Csat					
Isoxaben	82558-50-7	41,000.	-	41,000.	nc					
Lactofen	77501-63-4	6,570.	-	6,570.	nc					
Lactonitrile	78-97-7	164.	-	164.	nc					
Lanthanum	7439-91-0	58.4	-	58.4	nc					
Lanthanum Acetate Hydrate	100587-90-4	17.1	-	17.1	nc					
Lanthanum Chloride Heptahydrate	10025-84-0	21.8	-	21.8	nc					
Lanthanum Chloride, Anhydrous	10099-58-8	33.1	-	33.1	nc					
Lanthanum Nitrate Hexahydrate	10277-43-7	18.7	-	18.7	nc					
Lead acetate	301-04-2	-	270.	270.	ca					
Lead Phosphate	7446-27-7	-	385.	385.	ca					
Lead subacetate	1335-32-6	-	270.	270.	ca					
Lewisite	541-25-3	5.84	-	5.84	nc					
Linuron	330-55-2	6,320.	-	6,320.	nc					
Lithium	7439-93-2	2,340.	-	2,340.	nc					
Lithium Perchlorate	7791-03-9	818.	-	818.	nc					

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Malathion	121-75-5	16,400.	-	16,400.	nc					
Maleic Anhydride	108-31-6	80,700.	-	80,700.	nc					
Maleic Hydrazide	123-33-1	410,000.	-	100,000.	ceiling					
Malononitrile	109-77-3	82.1	-	82.1	nc					
Mancozeb	8018-01-7	24,600.	-	24,600.	nc					
Maneb	12427-38-2	4,100.	-	4,100.	nc					
MCPA	94-74-6	410.	-	410.	nc					
MCPB	94-81-5	3,610.	-	3,610.	nc					
MCPP	93-65-2	821.	-	821.	nc					
Mepfosolan	950-10-7	73.9	-	73.9	nc					
Mepiquat Chloride	24307-26-4	24,600.	-	24,600.	nc					
Mercaptobenzothiazole, 2-	149-30-4	3,280.	209.	209.	ca					
Mercuric Chloride	7487-94-7	350.	-	350.	nc					
Merphos	150-50-5	35.	-	35.	nc					
Merphos Oxide	78-48-8	82.1	-	82.1	nc					
Metalaxyl	57837-19-1	49,200.	-	49,200.	nc					
Methacrylonitrile	126-98-7	107.	-	107.	nc					
Methamidophos	10265-92-6	41.	-	41.	nc					
Methanol	67-56-1	1,430,000.	-	100,000.	ceiling					
Methidathion	950-37-8	1,230.	-	1,230.	nc					
Methomyl	16752-77-5	20,500.	-	20,500.	nc					
Methoxy-5-nitroaniline, 2-	99-59-2	-	46.9	46.9	ca					
Methoxychlor	72-43-5	4,100.	-	4,100.	nc					
Methoxyethanol Acetate, 2-	110-49-6	722.	-	722.	nc					
Methoxyethanol, 2-	109-86-4	4,010.	-	4,010.	nc					
Methyl Acetate	79-20-9	1,170,000.	-	29,000.	Csat					
Methyl Acrylate	96-33-3	882.	-	882.	nc					
Methyl Ethyl Ketone (2-Butanone)	78-93-3	249,000.	-	28,400.	Csat					
Methyl Hydrazine	60-34-4	6.34	0.893	0.893	ca					
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	201,000.	-	3,360.	Csat					
Methyl Isocyanate	624-83-9	27.9	-	27.9	nc					
Methyl Mercaptan	74-93-1	-	-	3,130.	Csat					
Methyl Mercury	22967-92-6	117.	-	117.	nc					
Methyl Methacrylate	80-62-6	27,500.	-	2,360.	Csat					
Methyl methanesulfonate	66-27-3	-	23.2	23.2	ca					
Methyl Parathion	298-00-0	205.	-	205.	nc					
Methyl Phosphonic Acid	993-13-5	49,200.	-	49,200.	nc					
Methyl Styrene (Mixed Isomers)	25013-15-4	3,280.	-	393.	Csat					
Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2	246.	-	246.	nc					
Methyl-2-Pentanol, 4-	108-11-2	326,000.	-	2,450.	Csat					
Methyl-5-Nitroaniline, 2-	99-55-8	16,400.	255.	255.	ca					
Methylaniline Hydrochloride, 2-	636-21-5	-	17.7	17.7	ca					
Methylarsonic acid	124-58-3	8,210.	-	8,210.	nc					
Methylaziridine, 2-	75-55-8	-	-	100,000.	ceiling					
Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7	164.	-	164.	nc					
Methylbenzene-1,4-diamine sulfate, 2-	615-50-9	246.	23.	23.	ca					
Methylcyclohexane	108-87-2	-	-	67.6	Csat					
Methylcyclohexylamine, n-	100-60-7	-	-	5,700.	Csat					
Methylcyclopentane	96-37-7	-	-	155.	Csat					

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Methylene Chloride	75-09-2	3,800.	1,150.	1,150.	ca					
Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	1,640.	23.	23.	ca					
Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	-	50.	50.	ca					
Methylenebisbenzenamine, 4,4'-	101-77-9	137,000,000.	1.44	1.44	ca					
Methylenediphenyl Diisocyanate	101-68-8	4,100,000.	-	100,000.	ceiling					
Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	-	0.277	0.277	ca					
Methylstyrene, Alpha-	98-83-9	81,800.	-	500.	Csat					
Methyltriethyl Lead	1762-28-3	-	-	13.2	Csat					
Metolachlor	51218-45-2	123,000.	-	100,000.	ceiling					
Metribuzin	21087-64-9	20,500.	-	20,500.	nc					
Metsulfuron-methyl	74223-64-6	205,000.	-	100,000.	ceiling					
Mineral oils	8012-95-1	3,500,000.	-	0.342	Csat					
Mirex	2385-85-5	234.	0.171	0.171	ca					
Molinate	2212-67-1	1,640.	-	1,640.	nc					
Monoaluminum phosphate	13530-50-2	56,800,000.	-	100,000.	ceiling					
Monoammonium phosphate	7722-76-1	56,800,000.	-	100,000.	ceiling					
Monocalcium phosphate	7758-23-8	56,800,000.	-	100,000.	ceiling					
Monochloramine	10599-90-3	117,000.	-	100,000.	ceiling					
Monomagnesium phosphate	7757-86-0	56,800,000.	-	100,000.	ceiling					
Monomethylaniline	100-61-8	1,640.	-	1,640.	nc					
Monopotassium phosphate	7778-77-0	56,800,000.	-	100,000.	ceiling					
Monosodium phosphate	7558-80-7	56,800,000.	-	100,000.	ceiling					
Myclobutanil	88671-89-0	20,500.	-	20,500.	nc					
N,N'-Diphenyl-1,4-benzenediamine	74-31-7	246.	-	246.	nc					
Naled	300-76-5	2,340.	-	2,340.	nc					
Naphtha, High Flash Aromatic (HFAN)	64742-95-6	35,000.	-	35,000.	nc					
Naphthylamine, 2-	91-59-8	-	1.28	1.28	ca					
Napropamide	15299-99-7	98,500.	-	98,500.	nc					
Nickel Acetate	373-02-4	8,250.	73,600.	8,250.	nc					
Nickel Carbonate	3333-67-3	8,250.	73,600.	8,250.	nc					
Nickel Carbonyl	13463-39-3	11,300.	73,600.	11,300.	nc					
Nickel Hydroxide	12054-48-7	11,300.	73,600.	11,300.	nc					
Nickel Oxide	1313-99-1	11,700.	73,600.	11,700.	nc					
Nickel Subsulfide	12035-72-2	11,300.	1.92	1.92	ca					
Nickelocene	1271-28-9	8,250.	73,600.	8,250.	nc					
Nitrate	14797-55-8	1,870,000.	-	100,000.	ceiling					
Nitrite	14797-65-0	117,000.	-	100,000.	ceiling					
Nitroaniline, 2-	88-74-4	8,010.	-	8,010.	nc					
Nitroaniline, 4-	100-01-6	3,280.	115.	115.	ca					
Nitrobenzene	98-95-3	1,500.	32.4	32.4	ca					
Nitrocellulose	9004-70-0	2,460,000,000.	-	100,000.	ceiling					
Nitrofurantoin	67-20-9	57,400.	-	57,400.	nc					
Nitrofurazone	59-87-0	-	1.77	1.77	ca					
Nitroglycerin	55-63-0	82.1	135.	82.1	nc					
Nitroguanidine	556-88-7	82,100.	-	82,100.	nc					
Nitromethane	75-52-5	535.	34.1	34.1	ca					
Nitropropane, 2-	79-46-9	1,660.	0.086	0.086	ca					
Nitrosodiethanolamine, N-	1116-54-7	-	0.821	0.821	ca					
Nitrosodiethylamine, N-	55-18-5	-	0.015	0.015	ca					

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Nitrosodimethylamine, N-	62-75-9	6.45	0.04	0.04	ca					
Nitroso-di-N-butylamine, N-	924-16-3	-	0.494	0.494	ca					
Nitroso-di-N-propylamine, N-	621-64-7	-	0.328	0.328	ca					
Nitrosodiphenylamine, N-	86-30-6	-	469.	469.	ca					
Nitrosomethylethylamine, N-	10595-95-6	-	0.103	0.103	ca					
Nitrosomethylvinylamine, N-	4549-40-0	-	-	10,800.	Csat					
Nitrosomorpholine [N-]	59-89-2	-	0.343	0.343	ca					
Nitroso-N-ethylurea, N-	759-73-9	-	0.085	0.085	ca					
Nitroso-N-methylurea, N-	684-93-5	-	0.019	0.019	ca					
Nitrosopiperidine [N-]	100-75-4	-	0.244	0.244	ca					
Nitrosopyrrolidine, N-	930-55-2	-	1.09	1.09	ca					
Nitrotoluene, m-	99-08-1	82.1	-	82.1	nc					
Nitrotoluene, o-	88-72-2	1,050.	14.9	14.9	ca					
Nitrotoluene, p-	99-99-0	3,280.	144.	144.	ca					
Nonanol, n-	143-08-8	-	-	72.6	Csat					
Norflurazon	27314-13-2	12,300.	-	12,300.	nc					
OCDD	3268-87-9	2.42	0.074	0.074	ca					
OCDF	39001-02-0	2.42	0.074	0.074	ca					
Octabromodiphenyl Ether	32536-52-0	2,460.	-	2,460.	nc					
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0	57,000.	-	57,000.	nc					
Octamethylpyrophosphoramidate	152-16-9	1,640.	-	1,640.	nc					
Octanol, n-	111-87-5	-	-	178.	Csat					
Octanone, 2-	111-13-7	-	-	360.	Csat					
Octanone, 3-	106-68-3	-	-	1,070.	Csat					
Octyl Phthalate, di-N-	117-84-0	8,210.	-	8,210.	nc					
Oleic acid	112-80-1	-	-	0.809	Csat					
Oryzalin	19044-88-3	115,000.	295.	295.	ca					
Oxadiazon	19666-30-9	4,100.	-	4,100.	nc					
Oxamyl	23135-22-0	20,500.	-	20,500.	nc					
Oxyfluorfen	42874-03-3	24,600.	31.4	31.4	ca					
Paclbutrazol	76738-62-0	10,700.	-	10,700.	nc					
Paraquat Dichloride	1910-42-5	3,690.	-	3,690.	nc					
Parathion	56-38-2	4,920.	-	4,920.	nc					
Pebulate	1114-71-2	58,400.	-	58,400.	nc					
PeCDF, 1,2,3,7,8-	57117-41-6	0.024	7.44E-04	7.44E-04	ca					
PeCDF, 2,3,4,7,8-	57117-31-4	0.002	7.44E-05	7.44E-05	ca					
Pendimethalin	40487-42-1	246,000.	-	100,000.	ceiling					
Pentabromodiphenyl Ether	32534-81-9	2,340.	-	0.312	Csat					
Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9	82.1	-	82.1	nc					
Pentachlorobenzene	608-93-5	934.	-	934.	nc					
Pentachlorodibenzo-p-dioxin, 1,2,3,7,8-	40321-76-4	7.25E-04	2.23E-05	2.23E-05	ca					
Pentachloroethane	76-01-7	-	36.3	36.3	ca					
Pentachloronitrobenzene	82-68-8	3,500.	12.6	12.6	ca					
Pentachlorophenol	87-86-5	2,840.	3.97	3.97	ca					
Pentaerythritol tetranitrate (PETN)	78-11-5	1,640.	574.	574.	ca					
Pentane, n-	109-66-0	4,930.	-	388.	Csat					
Pentyl Alcohol, N-	71-41-0	-	-	3,040.	Csat					
Perchlorate and Perchlorate Salts	14797-73-0	818.	-	818.	nc					
Perfluorobutane sulfonic acid (PFBS)	375-73-5	16,400.	-	16,400.	nc					

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Perfluorobutanesulfonate	45187-15-3	16,400.	-	16,400.	nc					
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	16.4	-	16.4	nc					
Perfluorooctanesulfonate	45298-90-6	16.4	-	16.4	nc					
Perfluorooctanoic acid (PFOA)	335-67-1	16.4	32.8	16.4	nc					
Permethrin	52645-53-1	41,000.	-	41,000.	nc					
Phenacetin	62-44-2	-	1,040.	1,040.	ca					
Phenmedipham	13684-63-4	197,000.	-	100,000.	ceiling					
Phenol	108-95-2	246,000.	-	100,000.	ceiling					
Phenol, 2-(1-methylethoxy)-, methylcarbamate	114-26-1	3,280.	-	3,280.	nc					
Phenothiazine	92-84-2	410.	-	410.	nc					
Phenyl Isothiocyanate	103-72-0	234.	-	129.	Csat					
Phenylenediamine, m-	108-45-2	4,920.	-	4,920.	nc					
Phenylenediamine, o-	95-54-5	3,280.	19.1	19.1	ca					
Phenylenediamine, p-	106-50-3	821.	-	821.	nc					
Phenylmercuric Acetate	62-38-4	65.7	-	65.7	nc					
Phenylphenol, 2-	90-43-7	-	1,180.	1,180.	ca					
Phorate	298-02-2	164.	-	164.	nc					
Phosgene	75-44-5	1.86	-	1.86	nc					
Phosmet	732-11-6	16,400.	-	16,400.	nc					
Phosphine	7803-51-2	350.	-	350.	nc					
Phosphoric Acid	7664-38-2	31,000,000.	-	100,000.	ceiling					
Phosphorus, White	7723-14-0	23.4	-	23.4	nc					
Phthalic Acid, P-	100-21-0	821,000.	-	100,000.	ceiling					
Phthalic Anhydride	85-44-9	1,620,000.	-	100,000.	ceiling					
Picloram	1918-02-1	57,400.	-	57,400.	nc					
Picoline, 2-	109-06-8	-	-	100,000.	ceiling					
Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3	82.1	-	82.1	nc					
Picric Acid (2,4,6-Trinitrophenol)	88-89-1	739.	-	739.	nc					
Piperidine	110-89-4	-	-	100,000.	ceiling					
Pirimiphos, Methyl	29232-93-7	57.4	-	57.4	nc					
Polybrominated Biphenyls	59536-65-1	5.74	0.077	0.077	ca					
Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9	4,100,000.	-	100,000.	ceiling					
Polyphosphoric acid	8017-16-1	56,800,000.	-	100,000.	ceiling					
Potassium Cyanide	151-50-8	2,340.	-	2,340.	nc					
Potassium Perchlorate	7778-74-7	818.	-	818.	nc					
Potassium Perfluorobutane Sulfonate	29420-49-3	16,400.	-	16,400.	nc					
Potassium Perfluorooctane Sulfonate	2795-39-3	16.4	-	16.4	nc					
Potassium Silver Cyanide	506-61-6	5,840.	-	5,840.	nc					
Potassium tripolyphosphate	13845-36-8	56,800,000.	-	100,000.	ceiling					
Prochloraz	67747-09-5	7,390.	15.3	15.3	ca					
Profluralin	26399-36-0	7,010.	-	7,010.	nc					
Prometon	1610-18-0	12,300.	-	12,300.	nc					
Prometryn	7287-19-6	32,800.	-	32,800.	nc					
Pronamide	23950-58-5	61,500.	-	61,500.	nc					
Propachlor	1918-16-7	10,700.	-	10,700.	nc					
Propanil	709-98-8	4,100.	-	4,100.	nc					
Propargite	2312-35-8	32,800.	12.	12.	ca					
Propargyl Alcohol	107-19-7	2,340.	-	2,340.	nc					
Propazine	139-40-2	16,400.	-	16,400.	nc					

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Propham	122-42-9	16,400.	-	16,400.	nc					
Propiconazole	60207-90-1	82,100.	-	82,100.	nc					
Propionaldehyde	123-38-6	452.	-	452.	nc					
Propionitrile	107-12-0	-	-	15,600.	Csat					
Propionitrile, 3-(NN-dimethylamino)	1738-25-6	-	-	100,000.	ceiling					
Propyl Alcohol, n-	71-23-8	-	-	100,000.	ceiling					
Propyl benzene	103-65-1	32,100.	-	264.	Csat					
Propylene	115-07-1	13,400.	-	349.	Csat					
Propylene Glycol	57-55-6	16,400,000.	-	100,000.	ceiling					
Propylene Glycol Dinitrate	6423-43-4	1,860,000.	-	100,000.	ceiling					
Propylene Glycol Monoethyl Ether	1569-02-4	-	-	39,500.	Csat					
Propylene Glycol Monomethyl Ether	107-98-2	448,000.	-	100,000.	ceiling					
Propylene Oxide	75-56-9	1,950.	10.7	10.7	ca					
Pyridine	110-86-1	1,170.	-	1,170.	nc					
Quinalphos	13593-03-8	410.	-	410.	nc					
Quinoline	91-22-5	-	0.766	0.766	ca					
Quizalofop-ethyl	76578-14-8	7,390.	-	7,390.	nc					
Resmethrin	10453-86-8	24,600.	-	24,600.	nc					
Ronnel	299-84-3	58,400.	-	58,400.	nc					
Rotenone	83-79-4	3,280.	-	3,280.	nc					
Safrole	94-59-7	-	10.4	10.4	ca					
Selenious Acid	7783-00-8	5,840.	-	5,840.	nc					
Selenium Sulfide	7446-34-6	5,840.	-	5,840.	nc					
Selenourea	630-10-4	-	-	100,000.	ceiling					
Sethoxydim	74051-80-2	115,000.	-	100,000.	ceiling					
Silica (crystalline, respirable)	7631-86-9	20,500,000.	-	100,000.	ceiling					
Silver	7440-22-4	5,840.	-	5,840.	nc					
Silver Cyanide	506-64-9	117,000.	-	100,000.	ceiling					
Simazine	122-34-9	4,100.	19.1	19.1	ca					
Sodium acid pyrophosphate	7758-16-9	56,800,000.	-	100,000.	ceiling					
Sodium Acifluorfen	62476-59-9	10,700.	-	10,700.	nc					
Sodium aluminum phosphate (acidic)	7785-88-8	56,800,000.	-	100,000.	ceiling					
Sodium aluminum phosphate (anhydrous)	10279-59-1	56,800,000.	-	100,000.	ceiling					
Sodium aluminum phosphate (tetrahydrate)	10305-76-7	56,800,000.	-	100,000.	ceiling					
Sodium Azide	26628-22-8	4,670.	-	4,670.	nc					
Sodium Cyanide	143-33-9	1,170.	-	1,170.	nc					
Sodium Diethyldithiocarbamate	148-18-5	24,600.	8.51	8.51	ca					
Sodium Fluoride	7681-49-4	58,400.	-	58,400.	nc					
Sodium Fluoroacetate	62-74-8	16.4	-	16.4	nc					
Sodium hexametaphosphate	10124-56-8	56,800,000.	-	100,000.	ceiling					
Sodium Metavanadate	13718-26-8	1,170.	-	1,170.	nc					
Sodium Perchlorate	7601-89-0	818.	-	818.	nc					
Sodium polyphosphate	68915-31-1	56,800,000.	-	100,000.	ceiling					
Sodium trimetaphosphate	7785-84-4	56,800,000.	-	100,000.	ceiling					
Sodium tripolyphosphate	7758-29-4	56,800,000.	-	100,000.	ceiling					
Sodium Tungstate	13472-45-2	934.	-	934.	nc					
Sodium Tungstate Dihydrate	10213-10-2	934.	-	934.	nc					
Stirofos (Tetrachlorovinphos)	961-11-5	24,600.	95.7	95.7	ca					
Strychnine	57-24-9	246.	-	246.	nc					

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Styrene	100-42-5	47,200.	-	867.	Csat					
Styrene-Acrylonitrile (SAN) Trimer	57964-39-3	2,460.	-	2,460.	nc					
Sulfolane	126-33-0	821.	-	821.	nc					
Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9	657.	-	657.	nc					
Sulfur Mustard	505-60-2	-	-	1,050.	Csat					
Sulfur Trioxide	7446-11-9	6,840,000.	-	100,000.	ceiling					
Sulfuric Acid	7664-93-9	6,840,000.	-	100,000.	ceiling					
Sulfurous acid, 2-chloroethyl 2-[4-(1,1-dimethylethyl)phenoxy]-1-methylethyl ester	140-57-8	41,000.	91.9	91.9	ca					
TCDD, 2,3,7,8-	1746-01-6	7.24E-04	2.18E-05	2.18E-05	ca					
TCDF, 2,3,7,8-	51207-31-9	0.007	2.19E-04	2.19E-04	ca					
TCMTB	21564-17-0	24,600.	-	24,600.	nc					
Tebuthiuron	34014-18-1	57,400.	-	57,400.	nc					
Temephos	3383-96-8	16,400.	-	16,400.	nc					
Terbacil	5902-51-2	10,700.	-	10,700.	nc					
Terbufos	13071-79-9	29.2	-	29.2	nc					
Terbutryn	886-50-0	821.	-	821.	nc					
Tert-Butyl Acetate	540-88-5	-	48.6	48.6	ca					
Tetrabromodiphenyl ether, 2,2',4,4'-(BDE-47)	5436-43-1	82.1	-	82.1	nc					
Tetrachlorobenzene, 1,2,4,5-	95-94-3	350.	-	350.	nc					
Tetrachloroethane, 1,1,1,2-	630-20-6	35,000.	12.3	12.3	ca					
Tetrachloroethane, 1,1,1,2,2-	79-34-5	23,400.	3.6	3.6	ca					
Tetrachlorophenol, 2,3,4,6-	58-90-2	24,600.	-	24,600.	nc					
Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1	-	0.164	0.164	ca					
Tetraethyl Dithiopyrophosphate	3689-24-5	410.	-	410.	nc					
Tetraethyl Lead	78-00-2	0.117	-	0.117	nc					
Tetrafluoroethane, 1,1,1,2-	811-97-2	617,000.	-	2,050.	Csat					
Tetrahydrofuran	109-99-9	130,000.	-	100,000.	ceiling					
Tetrahydrothiophene	110-01-0	-	-	2,180.	Csat					
Tetrapotassium phosphate	7320-34-5	56,800,000.	-	100,000.	ceiling					
Tetrasodium pyrophosphate	7722-88-5	56,800,000.	-	100,000.	ceiling					
Tetryl (Trinitrophenylmethyl)nitramine)	479-45-8	2,330.	-	2,330.	nc					
Thallic Oxide	1314-32-5	23.4	-	23.4	nc					
Thallium (I) Nitrate	10102-45-1	11.7	-	11.7	nc					
Thallium (Soluble Salts)	7440-28-0	11.7	-	11.7	nc					
Thallium Acetate	563-68-8	11.7	-	11.7	nc					
Thallium Carbonate	6533-73-9	23.4	-	23.4	nc					
Thallium Chloride	7791-12-0	11.7	-	11.7	nc					
Thallium Selenite	12039-52-0	11.7	-	11.7	nc					
Thallium Sulfate	7446-18-6	23.4	-	23.4	nc					
Thifensulfuron-methyl	79277-27-3	35,300.	-	35,300.	nc					
Thiobencarb	28249-77-6	8,210.	-	8,210.	nc					
Thiocyanic Acid	463-56-9	234.	-	234.	nc					
Thiodiglycol	111-48-8	79,200.	-	79,200.	nc					
Thiofanox	39196-18-4	246.	-	246.	nc					
Thiophanate, Methyl	23564-05-8	21,900.	198.	198.	ca					
Thiophene	110-02-1	-	-	1,800.	Csat					
Thiram	137-26-8	12,300.	-	12,300.	nc					
Tin	7440-31-5	701,000.	-	100,000.	ceiling					
Titanium Tetrachloride	7550-45-0	684,000.	-	100,000.	ceiling					

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Toluene-2,4-diisocyanate	584-84-9	38.5	1,230.	38.5	nc					
Toluene-2,5-diamine	95-70-5	164.	12.8	12.8	ca					
Toluene-2,6-diisocyanate	91-08-7	31.9	1,020.	31.9	nc					
Toluic Acid, p-	99-94-5	4,100.	-	4,100.	nc					
Toluidine, o- (Methylaniline, 2-)	95-53-4	-	144.	144.	ca					
Toluidine, p-	106-49-0	3,280.	76.6	76.6	ca					
Toxaphene	8001-35-2	73.9	2.09	2.09	ca					
Tralomethrin	66841-25-6	6,150.	-	6,150.	nc					
Triacetin	102-76-1	65,700,000.	-	100,000.	ceiling					
Triadimefon	43121-43-3	27,900.	-	27,900.	nc					
Triallate	2303-17-5	29,200.	45.6	45.6	ca					
Trialuminum sodium tetra decahydrog	15136-87-5	56,800,000.	-	100,000.	ceiling					
Triasulfuron	82097-50-5	8,210.	-	8,210.	nc					
Tribenuron-methyl	101200-48-0	6,570.	-	6,570.	nc					
Tribromobenzene, 1,2,4-	615-54-3	5,840.	-	5,840.	nc					
Tribromophenol, 2,4,6-	118-79-6	7,390.	-	7,390.	nc					
Tributyl Phosphate	126-73-8	8,210.	255.	255.	ca					
Tributyltin chloride	1461-22-9	-	-	1,250.	Csat					
Tributyltin Oxide	56-35-9	246.	-	246.	nc					
Tricalcium phosphate	7758-87-4	56,800,000.	-	100,000.	ceiling					
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	40,600.	-	910.	Csat					
Trichloroacetic Acid	76-03-9	16,400.	32.8	32.8	ca					
Trichloroaniline HCl, 2,4,6-	33663-50-2	-	79.2	79.2	ca					
Trichloroaniline, 2,4,6-	634-93-5	24.6	328.	24.6	nc					
Trichlorobenzene, 1,2,3-	87-61-6	934.	-	934.	nc					
Trichlorobenzene, 1,2,4-	120-82-1	366.	113.	113.	ca					
Trichloroethane, 1,1,2-	79-00-5	9.11	7.01	7.01	ca					
Trichlorofluoromethane	75-69-4	350,000.	-	1,230.	Csat					
Trichlorophenol, 2,4,5-	95-95-4	82,100.	-	82,100.	nc					
Trichlorophenol, 2,4,6-	88-06-2	821.	209.	209.	ca					
Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	8,210.	-	8,210.	nc					
Trichlorophenoxypropionic acid, -2,4,5	93-72-1	6,570.	-	6,570.	nc					
Trichloropropane, 1,1,2-	598-77-6	5,840.	-	1,280.	Csat					
Trichloropropane, 1,2,3-	96-18-4	29.6	0.109	0.109	ca					
Trichloropropene, 1,2,3-	96-19-5	4.43	-	4.43	nc					
Tricresyl Phosphate (TCP)	1330-78-5	16,400.	-	16,400.	nc					
Tridiphane	58138-08-2	2,460.	-	2,460.	nc					
Triethyl Lead	5224-23-7	-	-	5,670.	Csat					
Triethyl phosphorothioate [O,O,O-]	126-68-1	-	-	233.	Csat					
Triethylamine	121-44-8	700.	-	700.	nc					
Triethylene Glycol	112-27-6	1,640,000.	-	100,000.	ceiling					
Trifluoroethane, 1,1,1-	420-46-2	90,000.	-	4,810.	Csat					
Trifluralin	1582-09-8	8,760.	425.	425.	ca					
Trimagnesium phosphate	7757-87-1	56,800,000.	-	100,000.	ceiling					
Trimethyl Lead	7442-13-9	-	-	308.	Csat					
Trimethyl Phosphate	512-56-1	8,210.	115.	115.	ca					
Trimethylbenzene, 1,2,3-	526-73-8	2,740.	-	293.	Csat					
Trimethylethyl Lead	1762-26-1	-	-	25.6	Csat					
Trimethylpentane, 2,2,4-	540-84-1	-	-	61.2	Csat					

Table 1 - Soil Residual Contaminant Levels Worksheet
TYCO Fire Technology Center
Marinette, Wisconsin
MMP Exemption Request

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	Background Threshold Value (mg/kg)	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Trimethylpentene, 2,4,4-	25167-70-8	11,700.	-	29.6	Csat					
Tri-n-butyltin	688-73-3	350.	-	350.	nc					
Trinitrobenzene, 1,3,5-	99-35-4	32,400.	-	32,400.	nc					
Trinitrotoluene, 2,4,6-	118-96-7	514.	96.	96.	ca					
Triphenylphosphine Oxide	791-28-6	16,400.	-	16,400.	nc					
Tripotassium phosphate	7778-53-2	56,800,000.	-	100,000.	ceiling					
Tripropyl Lead	6618-03-7	-	-	3.08	Csat					
Tris(1,3-Dichloro-2-propyl) Phosphate	13674-87-8	16,400.	-	16,400.	nc					
Tris(1-chloro-2-propyl)phosphate	13674-84-5	8,210.	-	8,210.	nc					
Tris(2,3-dibromopropyl)phosphate	126-72-7	-	1.34	1.34	ca					
Tris(2-chloroethyl)phosphate	115-96-8	5,740.	115.	115.	ca					
Tris(2-ethylhexyl)phosphate	78-42-2	82,100.	718.	718.	ca					
Trisodium phosphate	7601-54-9	56,800,000.	-	100,000.	ceiling					
Tungsten	7440-33-7	934.	-	934.	nc					
Urethane	51-79-6	-	2.3	2.3	ca					
Vanadium Pentoxide	1314-62-1	8,620.	2,310.	2,310.	ca					
Vernolate	1929-77-7	1,170.	-	1,170.	nc					
Vinclozolin	50471-44-8	985.	-	985.	nc					
Vinyl Acetate	108-05-4	5,530.	-	2,750.	Csat					
Vinyl Bromide	593-60-2	26.	0.757	0.757	ca					
Warfarin	81-81-2	246.	-	246.	nc					
Xylene, m-	108-38-3	3,410.	-	388.	Csat					
Xylene, o-	95-47-6	4,010.	-	434.	Csat					
Xylene, P-	106-42-3	3,480.	-	390.	Csat					
Zinc Cyanide	557-21-1	58,400.	-	58,400.	nc					
Zinc Phosphide	1314-84-7	350.	-	350.	nc					
Zineb	12122-67-7	41,000.	-	41,000.	nc					
Zirconium	7440-67-7	93.4	-	93.4	nc					
Test1Chem(DRO)	Wis. DRO									
Test2Chem(GRO)	Wis. GRO									
Test3Chem(TPH)	TPH									
Type BRRTS No. Here (If Known)	Exceedance Count / Hazard Index / Cumulative Cancer Risk:							0	0.	0.0E+00
	To Pass, data must meet all these criteria:							Exceedance Count = 0	HI ≤ 1.0	Cumulative CR ≤ 1e-05
	Bottom-Line:									
	0.	11/20/2018								Soil Data Entry Needed!

**Table 2 - Residual Contaminant Levels Protective of Groundwater Quality
TYCO Fire Technology Center
Marinette, WI
MMP Exemption Request**

Find ...	NR 140 CAS	Fed MCL (ug/l) (If Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input calculated site- specific DF* -->	2.00	INPUT NUMERIC SOIL Site Data Max (mg/kg)	Flag E = Individual Exceedance!	Type BRRTS No. Here (If Known). Assess groundwater data separately.
Acetochlor	34256-82-1	-	7.	0.0056		0.0111			
Acetone	67-64-1	-	9,000.	1.8383		3.6766			
Alachlor	15972-60-8	2.	2.	0.0017		0.0033			
Aldicarb	116-06-3	3.	10.	0.0025		0.005			
Aluminum	7429-90-5	-	200.	300.		600.			
Antimony	7440-36-0	6.	6.	0.271		0.542			
Anthracene	120-12-7	-	3,000.	98.4746		196.9492			
Arsenic	7440-38-2	10.	10.	0.292		0.584			
Atrazine, total chlorinated re	1912-24-9	3.	3.	0.002		0.0039			
Barium	7440-39-3	2,000.	2,000.	82.4		164.8			
Bentazon	25057-89-0	-	300.	0.0657		0.1314			
Benzene	71-43-2	5.	5.	0.0026		0.0051			
Benzo(a)pyrene (PAH)	50-32-8	0.2	0.2	0.235		0.47			
Benzo(b)fluoranthene (PAH)	205-99-2	-	0.2	0.239		0.4781			
Beryllium	7440-41-7	4.	4.	3.16		6.32			
Boron	7440-42-8	-	1,000.	3.208		6.416			
Bromodichloromethane	75-27-4	80.	0.6	0.0002		0.0003			
Bromoform (THM)	75-25-2	80.	4.4	0.0012		0.0023			
Bromomethane	74-83-9	-	10.	0.0025		0.0051			
Butylate	2008-41-5	-	400.	0.3887		0.7774			
Cadmium	7440-43-9	5.	5.	0.376		0.752			
Carbaryl	63-25-2	-	40.	0.0363		0.0726			
Carbofuran	1563-66-2	40.	40.	0.0156		0.0312			
Carbon disulfide	75-15-0	-	1,000.	0.2959		0.5919			
Carbon tetrachloride	56-23-5	5.	5.	0.0019		0.0039			
Chloramben	133-90-4	-	150.	0.0364		0.0729			
Chlordane	57-74-9	2.	2.	0.271		0.542			
Chlorodifluoromethane	75-45-6	-	7,000.	2.8942		5.7885			
Chloroethane	75-00-3	-	400.	0.1133		0.2266			
Chloroform (THM)	67-66-3	80.	6.	0.0017		0.0033			
Chlorpyrifos	2921-88-2	-	2.	0.0296		0.0592			
Chloromethane	74-87-3	-	30.	0.0078		0.0155			
Chromium (total)	7440-47-3	100.	100.	180,000. No Cr-VI	360,000. If no Cr-VI	0.1442			Re-assess if Cr-VI present
Chrysene (PAH)	218-01-9	-	0.2	0.0721		0.1442			
Cobalt	7440-48-4	-	40.	1.8037		3.6073			
Copper	7440-50-8	1,300.	1,300.	45.8		91.6			
Cyanazine	21725-46-2	-	1.	0.0005		0.0009			
Cyanide, free	57-12-5	200.	200.	2.02		4.04			
Dacthal (DCPA)	1861-32-1	-	70.	0.0858		0.1716			
1,2-Dibromoethane	106-93-4	0.05	0.05	1.41E-05		2.82E-05			
Dibromochloromethane	124-48-1	80.	60.	0.016		0.032			
1,2-Dibromo-3-chloroprc	96-12-8	0.2	0.2	8.64E-05		0.0002			
Dibutyl phthalate	84-74-2	-	1,000.	2.5166		5.0333			
Dicamba	1918-00-9	-	300.	0.0776		0.1553			
1,2-Dichlorobenzene	95-50-1	600.	600.	0.584		1.168			
1,3-Dichlorobenzene	541-73-1	-	600.	0.5764		1.1528			
1,4-Dichlorobenzene	106-46-7	75.	75.	0.072		0.144			
Dichlorodifluoromethane	75-71-8	-	1,000.	1.5431		3.0863			
1,1-Dichloroethane	75-34-3	-	850.	0.2417		0.4834			
1,2-Dichloroethane	107-06-2	5.	5.	0.0014		0.0028			
1,1-Dichloroethylene	75-35-4	7.	7.	0.0025		0.005			
1,2-Dichloroethylene (cis	156-59-2	70.	70.	0.0206		0.0412			
1,2-Dichloroethylene (tr	156-60-5	100.	100.	0.0313		0.0626			
2,4-Dichlorophenoxyacetic ;	94-75-7	70.	70.	0.0181		0.0362			
1,2-Dichloropropane	78-87-5	5.	5.	0.0017		0.0033			
1,3-Dichloropropene (cis	542-75-6	-	0.4	0.0001		0.0003			
Di (2-ethylhexyl) phthala	117-81-7	6.	6.	1.44		2.88			
Dimethoate	60-51-5	-	2.	0.0005		0.0009			
2,4-Dinitrotoluene	121-14-2	-	0.05	6.77E-05		0.0001			
2,6-Dinitrotoluene	606-20-2	-	0.05	6.88E-05		0.0001			
Dinitrotoluene, Total Res	25321-14-6	-	0.05	6.88E-05		0.0001			
Dinoseb	88-85-7	7.	7.	0.0615		0.123			
1,4-Dioxane (p-dioxane)	123-91-1	-	3.	0.0006		0.0012			
Dioxin (2,3,7,8-TCDD)	1746-01-6	3.00E-05	3.00E-05	1.50E-05		3.00E-05			
Endrin	72-20-8	2.	2.	0.0808		0.1616			
EPTC	759-94-4	-	250.	0.1322		0.2643			
Ethylbenzene	100-41-4	700.	700.	0.785		1.57			
Ethyl Ether (Diethyl Ethe	60-29-7	-	1,000.	0.2239		0.4478			
Ethylene glycol	107-21-1	-	14,000.	2.8279		5.6559			
Fluoranthene	206-44-0	-	400.	44.4389		88.8778			
Fluorene (PAH)	86-73-7	-	400.	7.415		14.8299			
Fluoride	7782-41-4	4,000.	4,000.	601.		1,202.			
Fluorotrichloromethane	75-69-4	-	3,490.	2.2387		4.4775			
Formaldehyde	50-00-0	-	1,000.	0.2021		0.4042			
Heptachlor	76-44-8	0.4	0.4	0.0331		0.0662			

No RSL result for: Ammonia; Asbestos; Bacteria; Dimethenamid; Hydrogen Sulfide; Nitrate/Nitrite; Perchlorate.

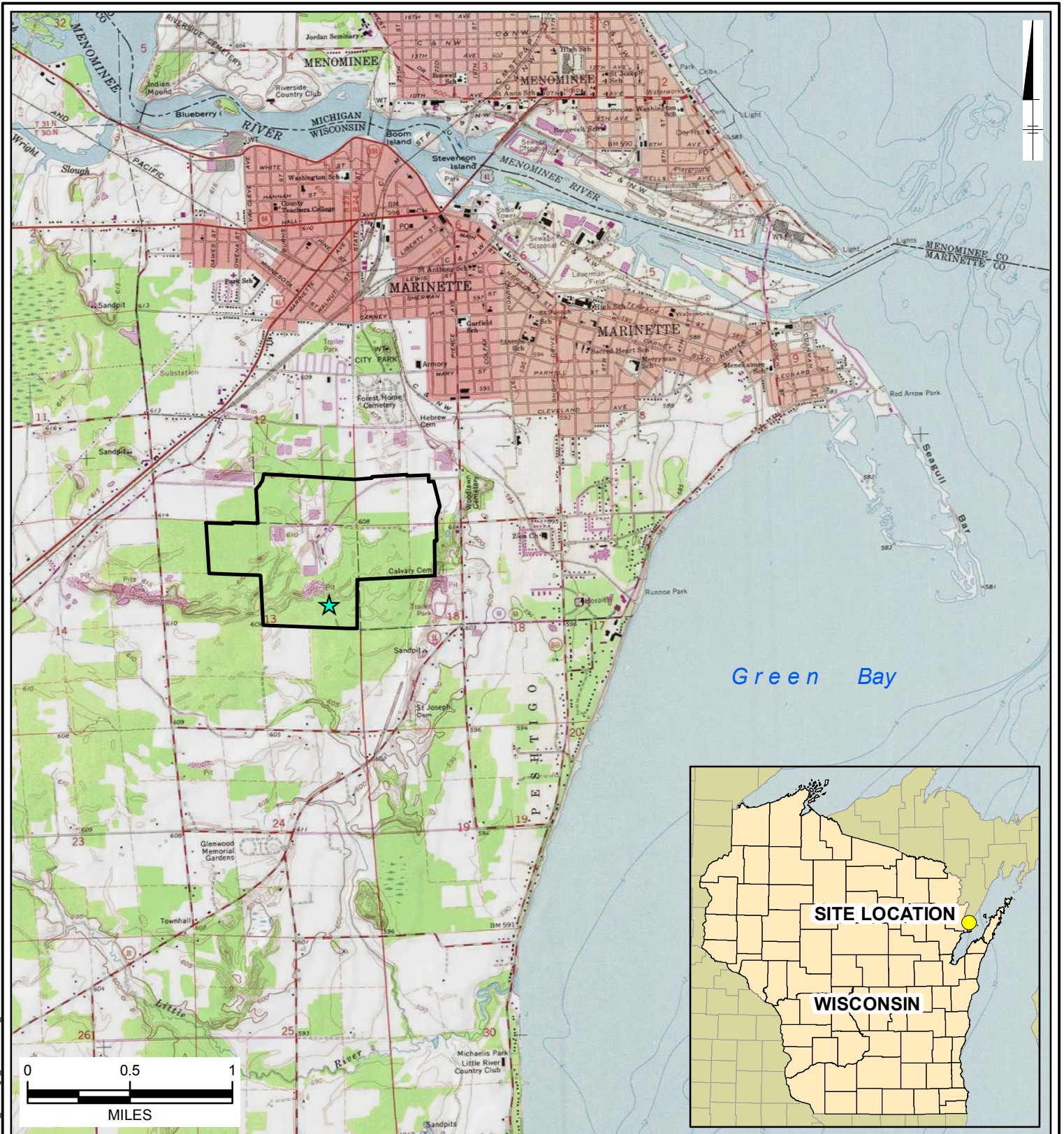
* Only use DF > 2 (or site-specific Dilution Factor) RCLs after clearly defining gw plume.

**Table 2 - Residual Contaminant Levels Protective of Groundwater Quality
TYCO Fire Technology Center
Marinette, WI
MMP Exemption Request**



Find ...	NR 140 CAS	Fed MCL (ug/l) (If Red, MCL>ES)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	Use 2, or input calculated site- specific DF* -->	2.00	INPUT NUMERIC SOIL Site Data Max (mg/kg)	Flag E = Individual Exceedance!	Type BRRTS No. Here (If Known). Assess groundwater data separately.
NR140 Substance									
Heptachlor epoxide	1024-57-3	0.2	0.2	0.0041		0.0082			
Hexachlorobenzene	118-74-1	1.	1.	0.0126		0.0252			
n-Hexane	110-54-3	-	600.	4.2329		8.4658			
Lead	7439-92-1	15.	15.	13.5		27.			
Lindane	58-89-9	0.2	0.2	0.0012		0.0023			
Manganese	7439-96-5	-	300.	19.5622		39.1244			
Mercury	7439-97-6	2.	2.	0.104		0.208			
Methanol	67-56-1	-	5,000.	1.0123		2.0245			
Methoxychlor	72-43-5	40.	40.	2.16		4.32			
Methylene chloride	75-09-2	5.	5.	0.0013		0.0026			
Methyl ethyl ketone (ME	78-93-3	-	4,000.	0.833		1.6661			
Methyl isobutyl ketone (MIB	108-10-1	-	500.	0.1126		0.2252			
Methyl tert-butyl ether (M	1634-04-4	-	60.	0.0135		0.027			
Metolachlor/s-Metolachl	51218-45-2	-	100.	0.1178		0.2356			
Metribuzin	21087-64-9	-	70.	0.0214		0.0427			
Molybdenum	7439-98-7	-	40.	0.8096		1.6192			
Monochlorobenzene	108-90-7	100.	100.	0.0679		0.1358			
Naphthalene	91-20-3	-	100.	0.3291		0.6582			
Nickel	7440-02-0	-	100.	6.5306		13.0612			
N-Nitrosodiphenylamine	86-30-6	-	7.	0.0382		0.0764			
Pentachlorophenol (PCF	87-86-5	1.	1.	0.0014		0.0028			
Phenol	108-95-2	-	2,000.	1.1473		2.2946			
Picloram	1918-02-1	500.	500.	0.139		0.278			
Polychlorinated biphenyls (f	1336-36-3	0.5	0.03	0.0047		0.0094			
Prometon	1610-18-0	-	100.	0.0474		0.0949			
Propazine	139-40-2	-	10.	0.0089		0.0178			
Pyrene (PAH)	129-00-0	-	250.	27.2727		54.5455			
Pyridine	110-86-1	-	10.	0.0034		0.0069			
Selenium	7782-49-2	50.	50.	0.26		0.52			
Silver	7440-22-4	-	50.	0.4245		0.8491			
Simazine	122-34-9	4.	4.	0.002		0.0039			
Styrene	100-42-5	100.	100.	0.11		0.22			
Tertiary Butyl Alcohol (T	75-65-0	-	12.	0.0025		0.0049			
1,1,1,2-Tetrachloroethar	630-20-6	-	70.	0.0267		0.0534			
1,1,2,2-Tetrachloroethar	79-34-5	-	0.2	7.82E-05		0.0002			
Tetrachloroethylene (PCE)	127-18-4	5.	5.	0.0023		0.0045			
Tetrahydrofuran	109-99-9	-	50.	0.0111		0.0222			
Thallium	7440-28-0	2.	2.	0.142		0.284			
Toluene	108-88-3	1,000.	800.	0.5536		1.1072			
Toxaphene	8001-35-2	3.	3.	0.464		0.928			
1,2,4-Trichlorobenzene	120-82-1	70.	70.	0.204		0.408			
1,1,1-Trichloroethane	71-55-6	200.	200.	0.0701		0.1402			
1,1,2-Trichloroethane	79-00-5	5.	5.	0.0016		0.0032			
Trichloroethylene (TCE)	79-01-6	5.	5.	0.0018		0.0036			
2,4,5-Trichlorophenoxy	93-72-1	50.	50.	0.0275		0.055			
1,2,3-Trichloropropane	96-18-4	-	60.	0.026		0.0519			
Trifluralin	1582-09-8	-	7.5	0.247		0.4939			
Trimethylbenzenes (1,2,4- z63-6 / 108-67-8	-	-	480.	0.6894		1.3787			
Vanadium	7440-62-2	-	30.	30.		60.			
Vinyl chloride	75-01-4	2.	0.2	6.90E-05		0.0001			
Xylenes (m-, o-, p- combine	1330-20-7	10,000.	2,000.	1.98		3.96			

No RSL result for: Ammonia; Asbestos; Bacteria; Dimethenamid; Hydrogen Sulfide; Nitrate/Nitrite; Perchlorate.

* Only use DF > 2 (or site-specific Dilution Factor) RCLs after clearly defining gw plume.



LEGEND:

-  APPROXIMATE SITE PROPERTY BOUNDARY
-  APPROXIMATE LOCATION OF DITCH A SYSTEM

NOTES:

1. TOPOGRAPHIC MAP SOURCE: COPYRIGHT:© 2013 NATIONAL GEOGRAPHIC SOCIETY, I-CUBED, ACCESSED FEBRUARY, 2020.

TYCO FIRE PRODUCTS LP
MARINETTE, WISCONSIN
MMP EXEMPTION REQUEST

SITE LOCATION

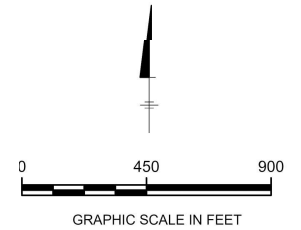


**FIGURE
1**



- LEGEND:**
- APPROXIMATE MARINETTE CITY BOUNDARY
 - APPROXIMATE SITE PROPERTY BOUNDARY
 - ROAD
 - DITCH OR STREAM
 - 300 FEET BUFFER OF DITCH A
 - SOURCE AREA OF EXCAVATED SOIL
 - BENEFICIAL SOIL REUSE AREA
- DELINEATED WETLANDS**
- DELINEATED PEM WETLAND
 - DELINEATED PSS WETLAND
 - DELINEATED PFO WETLAND
 - 100 FEET BUFFER OF DELINEATED WETLANDS

- NOTES:**
1. AERIAL IMAGERY PROVIDED BY ARCGIS ONLINE DATA.
 2. WETLAND DELINEATION DATA WAS COLLECTED IN NOVEMBER, 2021, JULY 2022, AND JUNE 2023.



TYCO FIRE TECHNOLOGY CENTER
MARINETTE, WISCONSIN

MMP EXEMPTION REQUEST

EXCAVATED SOIL PLANNED REUSE AREA

ARCADIS | **FIGURE 2**