



January 16, 2018

Richard L. Mator
Senior EHS Manager – Environmental Remediation
Johnson Controls International PLC
Tyco Products LP
1400 Pennbrook Parkway
Lansdale PA 19446

Subject: Reported Contamination at **Tyco Fire Technology Center – PFAS, 2700 Industrial Parkway, Marinette, WI**
BRRTS Activity # **02-38-580694**

Dear Mr. Mator:

It has come to the attention of the Wisconsin Department of Natural Resources (WDNR) that per- and poly-fluorinated alkyl substances (PFASs), have been released from the site described above. PFASs are hazardous substances if released to the environment.

Based on the information that has been submitted to the WDNR regarding this site, we believe your companies and previous owners are responsible for investigating and restoring the environment at the above-described site under Section 292.11, Wisconsin Statutes, known as the hazardous substances spills law.

This letter describes the legal responsibilities of a person who is responsible under Section 292.11, Wis. Stats., explains what you need to do to investigate and clean up the contamination, and provides you with information about cleanups, environmental consultants, possible financial assistance, and working cooperatively with the WDNR or the Department of Agriculture, Trade and Consumer Protection (DATCP).

Legal Responsibilities:

Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11 (3) Wisconsin Statutes, states:

- **RESPONSIBILITY.** A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Code chapters NR 700 through NR 754 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take:

The longer contamination is left in the environment, the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. The following information provides the timeframes and required steps to take. Unless otherwise approved by WDNR in writing you must complete the work by the timeframes specified.

1. Johnson Controls, and your consultant Arcadis, shall continue to investigate impacts to potable wells impacted by PFASs in the area. Provide the DNR with a summary all potable well sampling, map, data results, and point of entry treatment systems installed. **Within 60 days**, provide the department with a long term potable well sampling plan.
2. Within **60 days**, by March 12, 2018, you must submit a work plan for completing the investigation. The work plan must comply with the requirements in the NR 700 Wis. Adm. Code rule series and should adhere to current WDNR technical guidance documents.
3. You must initiate the site investigation within 90 days of submitting the site investigation work plan. If a fee for WDNR review has been submitted, the site investigation must begin within 60 days after receiving WDNR comments.
4. Within 60 days after completion of the field investigation and receipt of the laboratory data, you must submit a Site Investigation Report to the WDNR or other agency with administrative authority. For sites with agricultural contamination, your case will be transferred to the DATCP for oversight.
5. Within 60 days after submitting the Site Investigation Report, you must submit a Remedial Actions Options Report.

Sites where discharges to the environment have been reported are entered into the Bureau for Remediation and Redevelopment Tracking System (BRRTS), a version of which appears on the WDNR's internet site. You may view the information related to your site at any time (<http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>) and use the feedback system to alert us to any errors in the data.

If you want a formal written response from the department on a specific submittal, please be aware that a review fee is required in accordance with ch. NR 749, Wis. Adm. Code. If a fee is not submitted with your reports, you must complete the site investigation and cleanup to maintain your compliance with the spills law and chapters NR 700 through NR 754. **The timeframes specified above are required by rule, so do not delay the investigation of your site.** We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative rules and should be able to answer your questions on meeting cleanup requirements.

In addition, within 60 days, please provide a history of products containing PFASs include such information as the specific PFASs used on site, the products they were used in, and the timeframe they were on site. Include the identification, nature or quantity of all materials containing PFASs which have been used or were generated, stored, used, or disposed of at or near 2700 Industrial Parkway. Please provide any other locations you may have manufactured or used the product containing PFASs in the City of Marinette or Town of Peshtigo area that may have contributed to the release identified.

All correspondence regarding this site should be sent to:

Dave Neste
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313-6727
dave.neste@wisconsin.gov

Unless otherwise directed, submit one paper copy and one electronic copy of plans and reports. To speed processing, correspondence should reference the BRRTS and FID numbers (if assigned) shown at the top of this letter.

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Site Investigation and Vapor Pathway Analysis

As you develop the site investigation workplan, we want to remind you to include an assessment of the vapor intrusion pathway. Chapter NR 716, Wisconsin Administrative Code outlines the requirements for investigation of contamination in the environment. Specifically, s. NR 716.11(3)(a) requires that the field investigation determine the "nature, degree and extent, both areal and vertical, of the hazardous substances or environmental pollution in **all** affected media". In addition, section NR 716.11(5)(g) and (h) contains the specific requirements for evaluating the presence of vapors in the subsurface as well as in indoor air.

You will need to include documentation with the Site Investigation Report that explains how the assessment was done. If the vapor pathway is being ruled out, then the report needs to provide the appropriate justification for reaching this conclusion. **If the pathway cannot be ruled out, then investigation and, if appropriate, remedial action must be taken to address the risk presented prior to submitting the site for closure.** The WDNR has developed guidance to help responsible parties and their consultants comply with the requirements described above. The guidance includes a detailed explanation of how to assess the vapor intrusion pathway and provides criteria which identify when an investigation is necessary. The guidance is available at: <http://dnr.wi.gov/files/pdf/pubs/rr/RR800.pdf>.

Additional Information for Site Owners:

We encourage you to visit our website at <http://dnr.wi.gov/topic/Brownfields/>, where you can find information on financial assistance and understanding the cleanup process. You will also find information there about liability clarification letters, post-cleanup liability and more.

Information to help you select a consultant, materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method are enclosed. In addition, *Fact Sheet 2 – Voluntary Party Remediation and Exemption from Liability* is enclosed and provides information on obtaining protection of limited liability under s. 292.15, Wis. Stats.

If you have questions, call Dave Neste at 920-662-5165 for more information or visit the RR web site at the address above.

Thank you for your cooperation.

Sincerely,



Denise D. Danelski
Environmental Program Associate/Outreach
Remediation & Redevelopment Program

Enclosures: 1. Remediation & Redevelopment Program
 2. Environmental Contamination – The Basics
 3. Fact Sheet 2, VPLE
 4. Guidance for Electronic Submittals for the Remediation and Redevelopment Program

cc: Mike Bedard – Arcadis (Michael.Bedard@arcadis.com)
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 Dave Neste – NER
 Roxanne N. Chronert - NER