

PFAS Contamination in the Marinette Peshtigo Area

Listening Session 6

February 19, 2020



Welcome and Agenda

- 1) What To Expect From This Listening Session
- 2) Overview PFAS Chemicals
- 3) Addressing PFAS Contamination in Marinette Peshtigo Areas
 - 1) Who's Doing What
 - 2) Status Of Investigation And Clean-Up
- 4) Update on Statewide PFAS Efforts
- 5) Update from Department of Health Services
- 6) Upcoming Important Dates
- 7) Listening Session

What is a Listening Session?

 Committed to open and ongoing communication – ask questions, give feedback, let us know what

topics you want to hear about:

- Call (888-626-3244) or
- email <u>DNRJCIPFAS@wisconsin.gov</u>
- Also check out our FAQs and latest investigation information



- https://dnr.wi.gov/topic/Contaminants/Marinette.html

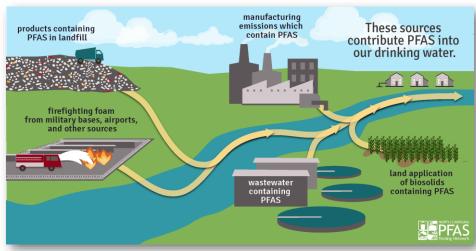
WISCONSIN PFAS = Per- and polyfluoroalkyl substances (PFAS) Ø \otimes Fire fighting Fast food packaging Pesticides and herbicides Õ 04 Øõ Mining Personal care products and oil well surfactants η Non-stick **PFAS** Paints ookware Floor Photographic polishes proces Aviation Stain resistant hydraulic fluids Mist products suppressant netal plating

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Four major sources :

- 1) fire training/fire response sites,
- 2) industrial sites,

andfills, and
 WWTP/biosolids

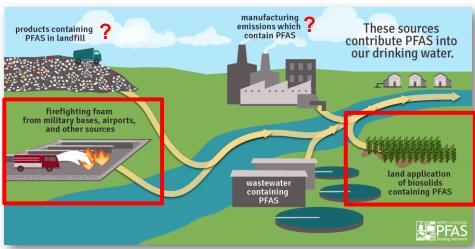


PEAS in the Environment

Four major sources :

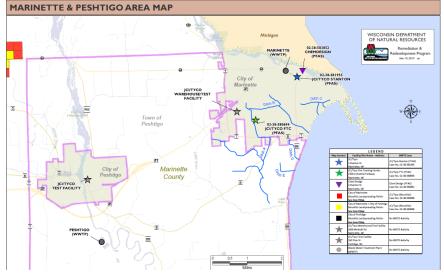
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DNR PFAS in Marinette & Peshtigo – The Basics

• JCI/Tyco and ChemDesign must investigate and clean-up PFAS contamination in accordance with state law



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Open Site Investigations

- 1.JCI/Tyco Fire Technology Center Marinette
- 2. JCI/Tyco Stanton Marinette
- 3. ChemDesign Marinette
- 4. City of Marinette Biosolids Landspreading

Fields (JCI/Tyco RP) – several potentially

impacted communities

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Information and Testing Requested

5. City of Peshtigo Biosolids Landspreading Fields (PRP

letter and request for testing)

6. JCI/Tyco Warehouse/Test Facility – Marinette (PRP letter issued)

7. JCI/Tyco Test Facility – Peshtigo (PRP letter issued)



KEY
 Atmospheric Deposition
 Diffusion/Dispersion/Advection
 Infiltration
 Transformation of precursors (abiotic/biotic
 Figure 1. Conceptual site model for fire training areas.

(Source: Adapted from figure by L. Trozzolo, TRC, used with permission)

Sources of PFAS to the environment - Fire Training Areas

- 1. Groundwater 4. Air
- 2. Stormwater runoff 5. Biosolids
- 3. Surface water 6. Others (construction and waste)

Roles and Responsibilities

DNR's Role ①	JCI/Tyco & ChemDesign ↓
• Ensures compliance with the law	Report contamination
 Technical Reviews Public Participation and Notification 	 Site investigation Immediate, interim, and remedial actions
 Work with – Health agencies Local govts Other 	 Long term solutions Long term obligations
	 Ensures compliance with the law Technical Reviews Public Participation and Notification Work with – Health agencies Local govts

DNR- JCI Meetings Jan/Feb 2020						
State Law ↓	DNR's Role 卩	JCI/Tyco ChemDesign				
Immediate Reporting	Ensures compliance with the law	Report contamination				
Restore the environment	Technical ReviewsPublic Participation	 Site investigation Immediate, interim, 				
Road Map	and Notification	and remedial actions				
 'Self- Implementing' 	 Work with – Health agencies Local govts Other 	 Long term solutions Long term obligations 				
	stakeholders					

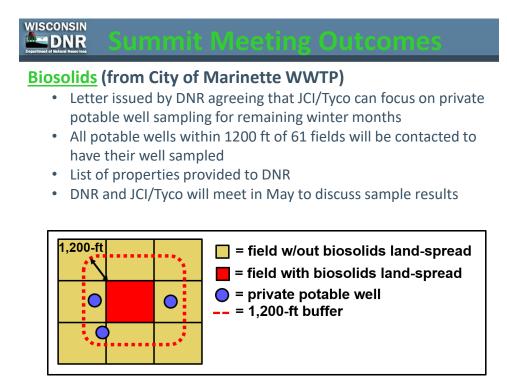
DNR JCI Summit Meeting January 23rd

- Establish framework for submittals moving forward Established expectations for future reporting and analysis
- JCI/Tyco presents information on site investigation including work to evaluate groundwater transport, surface water transport, and air transport mechanisms. *Data is preliminary – no report or analysis provided to date*
- Better platform for communication moving forward DNR and JCI/Tyco to meet quarterly to discuss and direct project
- Action Items
 - Deer Study
 - Biosolids
 - Stanton St
 - FTC

wisconsin Summit Meeting Outcomes

- Deer Study
 - Access granted by JCI/Tyco to test deer at FTC
 - 20 deer to be culled during remaining winter months and tissue tested for PFAS
 - Results anticipated summer 2020
 - May or may not result in a deer consumption advisory





wisconsin Summit Meeting Outcomes

Stanton St

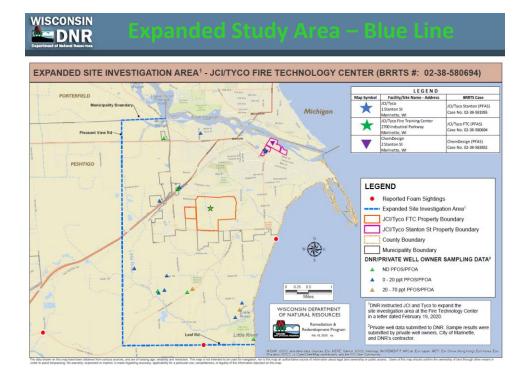
- DNR received a report from JCI/Tyco reporting data collected at monitoring wells on property
- Data in the report: PFAS in groundwater from outside the barrier wall
 - Shallow wells (0 20ft): As high as 1,420 ppt PFOS/PFOA
 - Bedrock wells (45+ ft): As high as 1,300 ppt PFOS/PFOA
- Report does not provide any information about the cause and significance of the contamination.
- Underground barrier wall:
 - Constructed to address historical arsenic contamination
 - Diverts groundwater around the facility



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Fire Technology Center

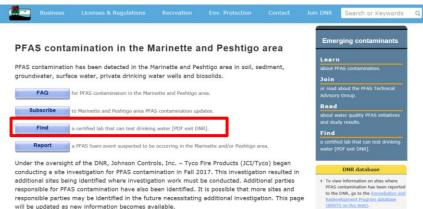
- DNR requires JCI/Tyco expand the study area, including private potable well testing. (see map next page)
- To Date:
 - No site investigation report for site investigation data collected to date
 - □ No 'proof' of the hypotheses that were presented
 - □ Surface water and air information is preliminary
- Map available on website



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If your residence is outside the study area:

- · Consider drinking bottled water (purchased at the store) minimize potential exposure
- Consider sampling your own well at your expense.
 - Lab resource linked on DNR's PFAS webpage
 - Email inbox for more resources



To find sites with PFAS contamination in the database, no to the "Advanced"

Private Well Sampling - Available Resources

Your Lab Report:

Limit of Detection (LOD): The smallest concentration of a contaminant that the laboratory equipment can confidently detect.

Limit of Quantification (LOQ): The

smallest concentration of a contaminant that the laboratory equipment can confidently measure.

J Flagged results: Concentration falls between the LOD & LOQ. Lab can confidently say the contaminant is present, but can't confidently measure the amount. The result reported is the lab's best estimate of the measurement.



** LOD & LOQ May vary between labs due to differences in equipment.

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- Public Health Assessment & Open House (Spring)
- PFAS Information Session for Clinicians (Spring)
- Send health-related questions to: <u>DHSEnvHealth@dhs.Wisconsin.gov</u>
- Health-related PFAS information: <u>www.dhs.Wisconsin.gov/chemicals/pfas.htm</u>

Upcoming Important Dates

February 25, 26, 27 -

1) Invitation from JCI/Tyco to 'impacted' residents only

NOTE: DNR has not concurred with JCI/Tyco on the extent of the impacted area

March –

- 1) JCI/Tyco to begin sampling private wells in areas where biosolids were land-spread (city of Marinette WWTP)
- 2) JCI/Tyco to begin sampling private wells in expanded study areas (or DNR if JCI refuses)
- AOC meeting for Menominee River (no listening session this month) March 12th

wisconsin DNR Upcoming Important Dates

March/April – Special Meeting

- Long Term Potable Water (RAOR)
- Date and Location TBD
- More info soon

April 7th –

1) Town of Peshtigo Referendum

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Foday's Rule Process

PHASE I – Scope Statement		T ADMINISTRATIVE RULE PROMULGATI or approval of scope received after April 2013]		
1. Scope statement completed and approved by the Secretary. 2. Scope statement submitted to DOA for review of explicit	8. Green Sheet package is prepared to request NRB approval of scope statement and conditional approval of the Notices.	16. Solicitation Memo to NRB is prepared informing the Board of the department's intent to seek comments on economic impact.	PHASE V - Final Rule Adopted by NRB and Governor 23. Board order for proposed rule may be modified as necessary	29. Report to Legislature and Notices prepared and submitted to Assembly and Senate Chief Clerks.
authority. 3. DOA submits the scope statement to the Governor who may approve or reject the scope	9. NRB meeting is held for approval of the scope statement and conditional approval of the notices.	17. Solicitation Memo and other documents are routed, then approved by the Secretary's office and submitted to NRB.	based on public comments received and Incorporation by Reference if needed.	30. Standing Committee's review completed. (30 days; an additional 30 days can be requested by the committees).
4. Governor issues written notice of approval via email to the Department rule officer.	PHASE II – Rule Development 10. Proposed rule language is prepared in Board Order format.	18. Solicitation Notice and other documents are sent by the drafting bureau to affected businesses, interested parties; rules officer posts on the DNR	hold a place on NRB agenda for adoption of proposed rule.	31. JCRAR Reviews the rule and can object to the rule in whole or in part, or just review. Usually a 30 day review. Rule officer notes the final date of the review time
5. Scope statement is submitted to Legislative Reference (LRB) for publication in the Administrative Register. <u>The LRB</u> will note the expiration date of	11. Complete the analysis section of the board order. 12. Does the rule require incorporation by reference? If yes, be sure to update analysis. See	PHASE IV – Public Hearings	Secretary to request NRB adoption of the proposed rule.	period. 32. The Department rule officer prints the rule and it is signed by the Secretary; the rule officer files with 188.
the scope statement in the Register. 2017 WI ACT 39.	PHASE III – Soliciting Comments on Economic Impact	are prepared for 15-day passive review by the NRB.	27. Final rule and rule checklist is submitted by the rule officer requesting Governor approval.	33. Rule proof received from LRB, the program reviews the proof
submitted to chief clerks of the legislature for distribution to JCRAR, who may request a public hearing on the scope statement. <u>2017 WI ACT 57</u> .	13. Solicitation Notice is prepared for seeking comments on economic impacts of the proposed rule. 14. Drafting bureau meets with	Legislative Council for their 20- working day review; <u>docs also</u> <u>sent to DOA and Chief Clerks for</u> <u>referral to JCRAR, 2017 WI Act 57</u>	28. The rule officer notifies JCRAR that the Department has submitted a rule to the Governor for approval.	copy and it's returned to the LRB by rule officer. 34. Final Rule is published in the end of month Administrative
7. Yellow sheet is prepared to reserve time on NRB agenda for scope approval and conditional approval of the Notice of Public Hearing and Notice of Submittal	the Department Economist to determine Economic Impact level. 15. Fiscal estimate and Economic Impact Analysis (FE/EIA) prepared usine Fiscal Estimate form DQA-	21. The public hearing notice is published in the Administrative Register. 22. Public hearing is held and	PHASE VI – Legislative Review <u>This</u> is the 30 month deadline. The end result is that rulemaking must go from scope statement publication to legislative review within 30	Register. 35. Rule becomes effective the first day of the month following publication in the Administrative Register.
to Legislative Council.	249.	public comment period closes.	months. 2017 WI ACT 57.	

Future Listening Sessions

• Every Other Month – Begin May 2020

- May, July, September, November
- -Third Wednesday
- -NWTC Campus more info soon
- Communicate via website, new releases, email subscription

DNR Listening Session Format

- Format:
 - Open Q/A Session
- Ground Rules:
 - Purpose of Listening Sessions
 - 3-mins per person → everyone has the opportunity to voice concerns
 - Keep comments constructive
 - Attack the problem not the person