PFAS Contamination  Marinette, Peshtigo, and Surrounding Communities

Listening Session 9 • July 15, 2020

What to Expect from this Listening Session

‘Zoom’ Technology

• All attendees are automatically muted when they join the call

• If you are joining by web:
  • During the presentation – use ‘chat’ feature to type questions
  • After presentation – use the ‘chat’ feature or ‘raise hand’ feature to request to be unmuted to ask a call

• If you are joining by phone:
  • Write questions down and contact us later (next slide)
Staying Connected

• Today - 9th in series of sessions
  • Meetings every other month
  • Next meeting in September
• Other options for contacting DNR
  • Call (888-626-3244) or
  • email DNRJCIPFAS@wisconsin.gov
• Also – check out website and FAQs
  https://dnr.wi.gov/topic/Contaminants/Marinette.html
  • Subscribe for updates:

Welcome and Agenda

Presentation:
• Overview: Addressing PFAS Contamination
• Update on Site Investigations
  • FTC
  • Stanton Street
  • Biosolids Landspreading Fields
• Other Initiatives
  • Air
  • Deer
• Upcoming Important Dates

Listening Session:
• Question + Answer Session
PFAS 101: Where Can I find Additional Information?

- DNR Homepage → Search Bar: ‘Marinette’ → PFAS Contamination Marinette + Peshtigo Area

- Under Public Meetings: Previous session presentations and Zoom recordings → meetings 7 and 8

- Call (888-626-3244) or

- email DNRJCIPFAS@wisconsin.gov

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)
**FTC Update**

- DNR issued response to JCI/Tyco ‘Southern Area’ Report
- JCI/Tyco described this area as being disconnected from PFAS discharged from FTC → other local sources are the cause
- DNR does not concur
  - Additional site investigation necessary
  - Data gaps and screening methods
Foam on Waterways

• DNR directed JCI/Tyco to:
  • Monitor foam activity daily
  • Install booms
  • Remove foam and have it tested for PFAS

Foam on Waterways

• DNR received report from JCI/Tyco on July 10, 2020
  • Visual observations of foam in ditches A – E
  • Foam collection activities
• Approximately 26 gallons of foam collected on the waterways between April and July
• Foam to be tested for waste characterization and will be disposed of accordingly

Ditch B – 200 yards upstream of ditch mouth

Ditch D – Southeast side of Shore Crossing Dr
Drinking Water and Groundwater

Kyle Burton
Field Operations Director
FTC Update –
Drinking Water

Long Term Water Options vs. POETs

• JCI/Tyco required to evaluate long term drinking water options for PFAS impacted areas – POETs part of the evaluation
• While POETs are an effective interim treatment option – can be a complex long term option
• In some cases, POETs are the only option (e.g. rural areas)

FTC Update –
New Testing Facility Construction

• JCI/Tyco applied for stormwater permit (BMPs for erosion control) → permit issued
• JCI/Tyco applied for construction dewatering permit → permit issued
• Construction started in June 2020
• On 7.14.20 JCI/Tyco submitted construction plans and permit application for waste water treatment facility → AFFF waste water + other process water
• DNR met with JCI/Tyco to discuss purpose of facility – regulatory approvals may be necessary
FTC Update

- DNR issued a letter to JCI/Tyco on July 7, 2020 – Notice of Intent to Incur Expenses
  - Third and final notice to JCI/Tyco to address potable wells around the FTC site
  - Required response actions of JCI/Tyco under state law – not voluntary
  - No affirmative response by July 13, 2020 – DNR will perform the necessary actions

- JCI/Tyco responded on July 13, 2020
  - JCI/Tyco’s letter states that areas to be sampled as requested by DNR are not connected to JCI/Tyco facilities → effectively No
FTC Update

What’s next?

• DNR review of JCI/Tyco Submittals
  • CSM
  • Aerial Deposition Eval Report
  • Interim Site Investigation Report
  • SIWP – Sampling downstream of ditch A and B

• JCI/Tyco
  • Additional sampling in southern area
  • Evaluation of long term water options
  • Evaluation of remedial strategies

Open Site Investigations

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WPDES Permits – Overview

• Wisconsin Pollution Discharge Elimination System
• “Wastewater Permit” issued by DNR to industrial and municipal facilities
• Permits contain monitoring requirements, reporting and compliance schedules, contaminant discharge levels
WPDES Permits – JCI/Tyco Facilities Stanton St Campus

- Tyco Fire Products WPDES permit re-issuance process initiated
- Establishes limits for PFOS and arsenic (no PFOA limit)
- Testing required for PFOA and PFOS and arsenic
- Proposed effective date Dec 1, 2020*
- Public comment period for permit re-issuance in September 2020* for 45 days
- DNR will issue Gov Delivery reminder when public comment period is open

*Dates are subject to change

Open Site Investigations

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Private Well Sample Results and PFAS “Standards”

- No federal standards for PFAS – health advisory level of 70 ppt PFOA + PFOS
- No WI standards for PFAS - recommendation from DHS of 20 ppt PFOA + PFOS
- DNR request to DHS to evaluate 34 other PFAS analytes for potential standards recommendations
- Testing is required 36 different PFAS analytes → if other standards are recommended for other PFAS analytes in the future – we have the data
- Bottled water for wells > 20 ppt PFOS + PFOA
- DHS works directly with landowners for ‘other’ PFAS detects

Biosolids Landspreading Fields – Potable Well Sampling

- Potable wells identified within 1,200-ft of landspread fields
- 180 wells identified for sampling
- 179 wells sampled
Biosolids Landspreading Fields – Potable Well Sample Results

**PFOA + PFOS**
- 129 wells < BRL (no detection)
- 15 wells < 20 ppt
- 14 wells > 20 ppt
- 158 well results received to date (22 pending results)
- Bottled water provided to any landowner with sample results > 20 ppt PFOA + PFOS

**‘Other’ PFAS (e.g. FOSA, PFHxS)**
- 122 wells with ‘other’ PFAS detected above reporting limits
  - Values ranging from RL – 2,400 ppt
- 36 wells below reporting limit
- 158 well results received to date (22 wells pending results)
- DHS reaches out to these folks to communicate about actions that may be necessary to eliminate potential PFAS exposures

Data Report: [click here](#)
Biosolids Landspreading Fields – What’s Next

• First → collect private well data – rule out risk associated with water consumption
• Then → early evaluations to understand cause and significance of detections and data trends
• Next → Additional site investigation activities → explain cause and significance and document degree and extent of contamination

Other Initiatives

• Air Deposition
• Deer Tissue Study
DNR Air Management Program Precipitation Study

- 8 Active sites in WI
- Precipitation is collected weekly and analyzed for PFAS
- Marinette site began collection July 14, 2020

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<th>Location</th>
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<td>WDNR</td>
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Deer Study

- Lab is still conducting analysis; to be completed this summer
- DNR plans to share data and information with community ASAP - no later than prior to the 2020 deer gun hunting season
- Process: get data $\rightarrow$ evaluate need for advisory (if at all) $\rightarrow$ work closely with DHS $\rightarrow$ communicate on findings
- Subscribe to gov delivery messages
Upcoming Important Dates

**July**
- DNR review of JCI/Tyco submittals

**July/August**
- DNR work to execute private well sampling contract

**September**
- Waste water public comment for WPDES permit for Stanton St
- Listening Session Sept 16th

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Ground Rules – Listening Session

- Use the ‘chat’ feature or ‘raise hand’ feature to request to be unmuted to ask a call
- 3-mins per person → everyone has the opportunity to voice concerns
- Keep comments constructive
- Attack the problem not the person

To ask a question, use the “Raise Hand” button; you’ll be unmuted when appropriate.

“Chat” questions will be sent privately to the meeting host.