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
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 \( \rightarrow \) effectively No

FTC Update

DNR - Contract for Potable Well Sampling
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

1) JCI/Tyco Fire Technology Center (FTC) – Marinette
2) JCI/Tyco Stanton – Marinette
3) ChemDesign – Marinette
4) City of Marinette Biosolids Landspreading Fields (JCI/Tyco RP)
Waste Water Permitting

Heidi Schmitt Marquez
Waste Water Field Supervisor – NER

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
1) JCI/Tyco Fire Technology Center (FTC) – Marinette
2) JCI/Tyco Stanton – Marinette
3) ChemDesign – Marinette
4) City of Marinette Biosolids Landspreading Fields (JCI/Tyco RP)
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 for 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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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 → evaluate need for advisory (if at all) → work closely with DHS → 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

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