



WATER RESOURCE MANAGEMENT

Division of Water Quality Strategy for Addressing PFAS in Wastewater

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NJDEP - Division of Water Quality Website

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Addressing PFAS in Wastewater: Track Down, Reduce, and Eliminate Sources of PFAS

[What is PFAS?](#)

On January 17, 2023, the Commissioner signed [Administrative Order 2023-01](#) to encourage the collection of data that will aid in efforts to identify, reduce and eliminate sources of PFAS in wastewater and its residuals.



**Discharge to Surface Water and
Pretreatment Permits**

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**Discharge To Ground Water
Permits**

[Read more](#)

**Sewage Sludge and Residuals
Permits**

[Read more](#)

Mapping

COMING SOON!

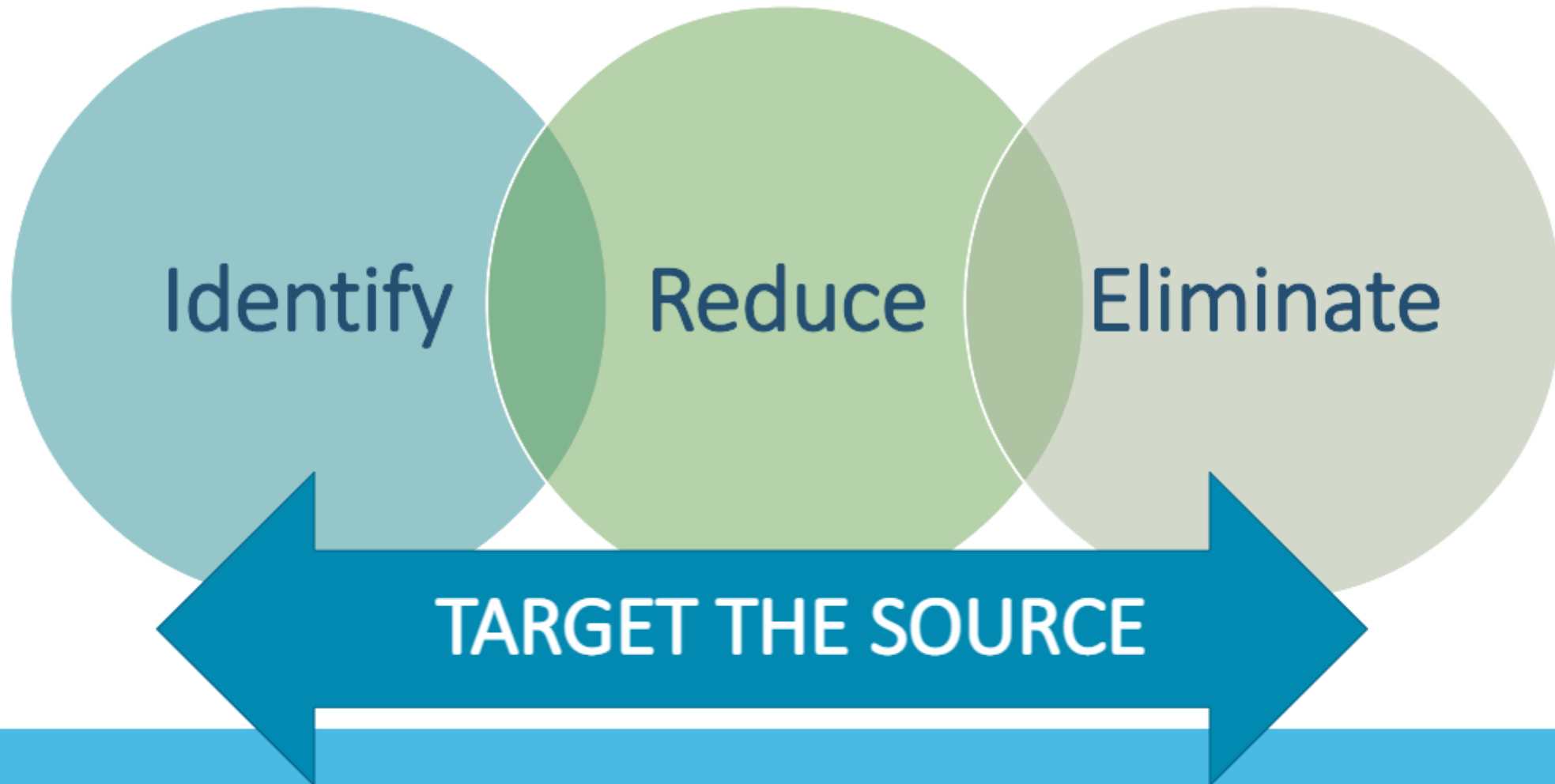


DEP PFAS

[Read more](#)

<https://www.nj.gov/dep/dwq/pfas.htm>

Goal of DWQ PFAS Approach



Surface Water and Pretreatment DWQ PFAS Website

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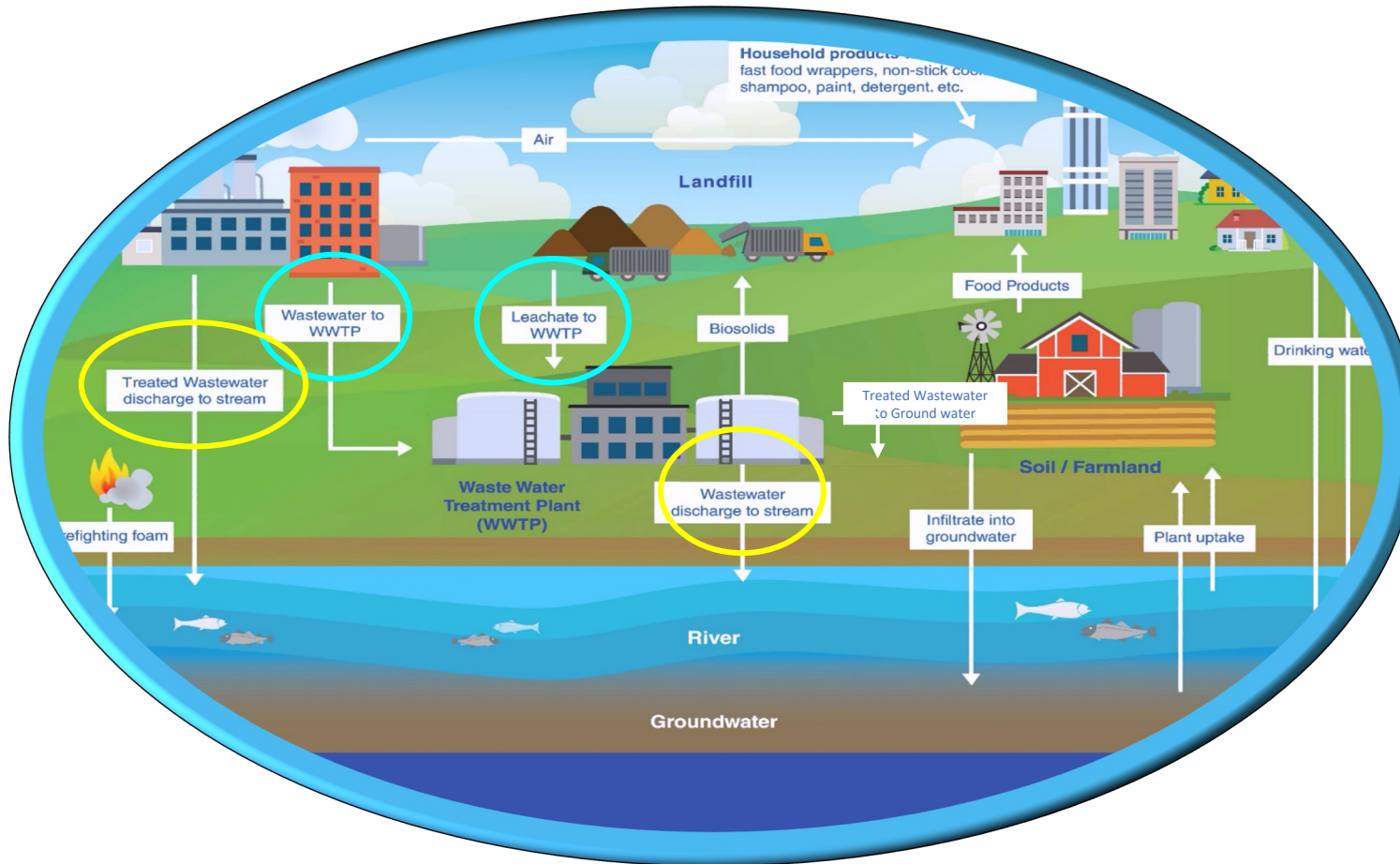


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Surface Water and Pretreatment



- **Surface Water**

- Industrial Facilities discharging treated wastewater directly to Surface Water

- **Pretreatment**

- Industrial facilities discharging wastewater to a POTW
- Industrial facilities regulated by a Delegated Local Agency

Surface Water and Pretreatment Factors Considered



Publicly Owned
Treatment Works
(POTWs) do not
typically use or
generate PFAS

Conventional
Treatment
Technology is not
designed to remove
PFAS

Treatment
technology for PFAS
at POTWs may not
be viable at this time

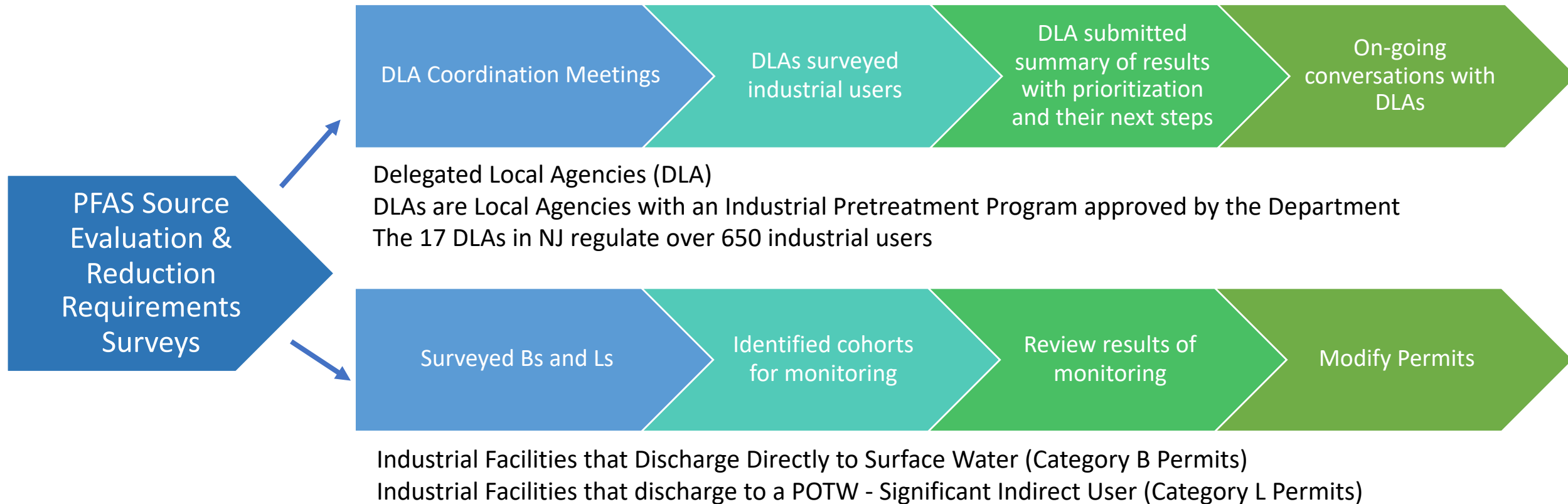
Treatment
technologies for
POTWs is emerging,
but more research is
needed

TARGET THE SOURCE



Surface Water and Pretreatment

Summary of Approach



Surface Water and Pretreatment PFAS Compounds

Short Chain PFAS

- **C4** – Perfluorobutanoic acid (PFBA)
- **C5** – Perfluoropentanoic acid (PFPeA)
- **C6** – Perfluorohexanoic acid (PFHxA)
- **C7** – Perfluoroheptanoic acid (PFHpA)
- **C4-S** – Perfluorobutanesulfonic acid (PFBS)
- **C6-S** – Perfluorohexanesulfonic acid (PFHxS)
- **GenX** – Hexafluoropropylene oxide dimer acid (HFPO-DA)

Long Chain PFAS

- **C8** – Perfluorooctanoic acid (PFOA)
- **C9** – Perfluorononanoic acid (PFNA)
- **C10** – Perfluorodecanoic acid (PFDA)
- **C11** – Perfluoroundecanoic acid (PFUnA)
- **C12** – Perfluorododecanoic acid (PFDoA)
- **C13** – Perfluorotridecanoic acid (PFTriA)
- **C14** – Perfluorotetradecanoic acid (PFTeA)
- **C8-S** – Perfluorooctanesulfonic acid (PFOS)



Ground Water DWQ PFAS Website

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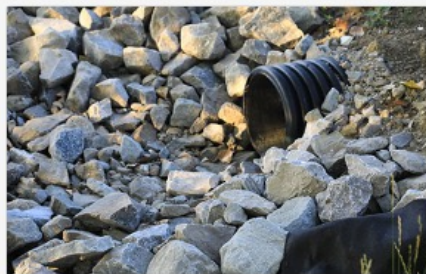
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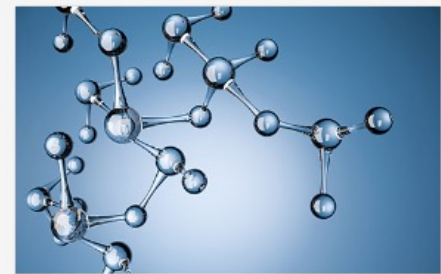
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Thank you!

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