



# **Emerging Chemicals**

## **NJDEP**

### **Site Remediation**

### **Perspective**

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# Emerging Chemicals Site Remediation Program Perspective

The Site Remediation and Waste Management Program (SRWMP) does not have formal program established solely to actively search for and identify emerging chemicals





# Emerging Chemicals Site Remediation Program Perspective

How does the SRWMP identify emerging chemicals?

- Done on a case specific basis through the identification of non-targeted chemicals
  - Chemicals used at the site (identified via PA/SI)
  - Chemicals identified as part of the tentatively identified compound (TIC) process







# Emerging Chemicals Site Remediation Program Perspective

What environmental media are evaluated?

- Soil
- Sediment
- Ground Water
- Surface water
- Indoor air





# Emerging Chemicals Site Remediation Program Perspective

If a non-targeted chemical is identified at the site:

- It must be addressed pursuant to the Technical Requirements for Site Remediation (NJAC 7:26E-2.1(e)).





# Emerging Chemicals Site Remediation Program Perspective

If the non-targeted chemical can be identified with a reasonable degree of certainty:

- An attempt can be made to develop a remediation standard for that chemical







# Emerging Chemicals Site Remediation Program Perspective

An attempt can be made to develop a remediation standard for a non-targeted chemical if:

- the non-targeted chemical can be identified with a reasonable degree of certainty:
- Toxicity factor exists/can be developed





# Emerging Chemicals Site Remediation Program Perspective

Development of a remediation standard for non-targeted chemicals:

- If the non-targeted chemical is found in ground water and/or soil, an interim remediation/quality standard can be developed for soil (NJAC 7:26D-5) and for ground water (NJAC 7:9C -1.7)







# Emerging Chemicals Site Remediation Program Perspective

Development of a remediation standard for non-targeted chemicals:

- If the non-targeted chemical is found in sediment, surface water, or indoor air, a remediation standard can be developed on a case-specific basis pursuant to the Brownfield Act (see NJSA 58:10B-12a)





# Emerging Chemicals Site Remediation Program Perspective

Once an interim standard or case-specific standard is developed, it becomes the remediation standard to be used at the site in question and is treated just like a promulgated remediation standard.







# Emerging Chemicals Site Remediation Program Perspective

On a periodic basis, interim standards and case-specific standards are evaluated to determine if such standards need to be promulgated as “default” remediation standards.







# Emerging Chemicals Site Remediation Program Perspective

Questions?

