

# Hot Topics Training

June 4, 2024



Contaminated Site Remediation & Redevelopment (CSRR)



# Moderators

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**Kyle Kuebler**

**Co-Moderator**

**DEP/CSRR Training Committee**

**Alexandra Matos**

**Co-Moderator**

**DEP/CSRR Training Committee**

# Continuing Education Credits



Site Remediation Professional Licensing (SRPL) Board  
has approved

**1.5 Technical & 0.5 Regulatory CECs**

for this Training Session

## Attendance Requirements:

- **Webinar participants:** must be logged-in for the entire session and answer all poll questions (randomly inserted in the presentation)

# CECs: What's the Process?



## **Since the SRPL Board has approved CECs for the course:**

- NJDEP compiles a list of “webinar” participants eligible for CECs and provides the list to the Licensed Site Remediation Professional Association (LSRPA)
- LSRPA will email eligible participants a link to an LSRPA webpage with certificate access instructions
- Certificates are issued by the LSRPA after paying a \$25 *processing fee*



# Test Your Knowledge

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**EXAMPLE WEBINAR  
QUIZ SLIDE**

# Test Poll

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Why are you here today?

- A. Earn CECs
- B. My friend said it would be fun
- C. Learn more about CSRR

## Questions Function

- Ask any questions you have for the presenters at any time during the presentation (these will be addressed during the questions segments)
- If a question isn't addressed during a question segment of the presentation, it will be answered after the presentation
- Questions should be brief and general (no case-specific questions)



# Remember!



**Please fill out the Course Evaluation here:**

**<https://www.surveymonkey.com/r/MJ6CLF7>**

**The slides are available now!**

# Your Job in this Training



- Participate!
- Complete polls
- Provide feedback



Thank you!







June 4, 2024

# NJDEP Contaminated Site Remediation & Redevelopment Hot Topics

Course # 2024-034

LSRPs – 1.5 Technical and 0.5 Regulatory CECs

NJ PE – 2.0 CPCs

NY PE & PG – 2.0 PDHs



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right partner.



# UPCOMING LSRPA COURSES & EVENTS

## ➤ June 11, 2024 – Due Diligence in New Jersey

Instructors: William P. Call, P.G, LSRP, PennJersey Environmental  
David J. Morris, LSRP, CHMM, LIEC, Tectonic Engineering  
John Scagnelli, Esq., Scarinci Hollenbeck

## ➤ June 14, 2024 – LSRPA Member Series: **Winning Strategies for Growing your Business**

Instructors: Melanie Powers-Schanbacher, Specialty Technical Consultants, Inc.  
Joseph Postorino, AWT Environmental Services, Inc.

## ➤ June 18, 2024 – Aspiring Professional Series: **Working Smarter to Characterize Fractured Bedrock**

Instructor: Derek Pizarro, CPG, AST Environmental, Inc.

# UPCOMING LSRPA COURSES & EVENTS

## ➤ **June 25, 2024 – Revitalizing NJ Brownfields Panel & Tour: Meet the Development Team and Learn about New Resources (In-Person Course)**

Instructors: Elizabeth Limbrick, LSRP, PG, NJEDA

Frank McLaughlin, Manager, NJDEP

Wanda Monahan, Esquire, Law Offices of Wanda Chin Monahan LLC

Joseph Hochreiter, CGWP, Senior Environmental Consulting, LLC

Jeff Milanaik, Bridge Industrial

Steve Parnes, Catalyst Development Partners

Helmin Caba, Mayor of Perth Amboy

Tashi Vazquez, Executive Director, Perth Amboy Redevelopment Agency



# 90-MINUTE **Summer** SKILLS SERIES

**QUICK 90-MINUTE COURSES TO BOOST YOUR PROFESSIONAL SKILLS WITHOUT DISRUPTING YOUR SUMMER PLANS.**

**PFAS SRS-MGW: INSIGHTS AND ATTAINMENT APPROACHES**

JULY 9, 2024 - 8:30AM - 10AM

JEFFREY R. HALE, PG, KLEINFELDER

**REGULATORY ROUNDTABLE:  
FULL-SPECTRUM IN SITU PFAS REMEDIATION USING  
COLLOIDAL ACTIVATED CARBON TECHNOLOGIES**

JULY 16, 2024 - 8:00AM - 9:30AM

RYAN MOORE, REGENESIS  
DR. PAUL ERICKSON, REGENESIS

**ECOLOGICAL EVALUATION AND ECOLOGICAL  
RISK ASSESSMENTS COURSE**

JULY 25, 2024 - 8:30AM - 10AM

ERIN PALKO, LSRP, PG, INTEGRAL CONSULTING  
MARYANN WELSCH, INTEGRAL CONSULTING  
JULIA RYAN, LSRP, INTEGRAL CONSULTING

**REGULATORY COMPLIANCE STRATEGIES FOR  
TENTATIVELY IDENTIFIED COMPOUNDS**

AUGUST 13, 2024 - 8:30AM - 10AM

CANDACE BAKER, LSRP, GEI CONSULTANTS  
MARK FISHER, CHMM, LSRP, THE ELM GROUP, INC.  
JEFF MOORE, CHMM, THE ELM GROUP, INC.

**USING ARTIFICIAL INTELLIGENCE IN SITE REMEDIATION**

AUGUST 27, 2024 - 8:30AM - 10AM

HEATHER DEMIRJIAN, ESQ., COLE SCHOTZ  
INGA CALDWELL, ESQ., COLE SCHOTZ  
JUSTIN KOWALKOSKI, PG, LSRP, ROUX  
SARA REDDING, PG, LSRP, ROUX

**EARN YOUR CREDITS WHILE WORKING AND VACATIONING!!**





**BATTLE AT  
THE BEACH**  
**CORNHOLE  
TOURNAMENT**  
2024



**SAVE THE  
DATE**

**TUESDAY AUGUST 6, 2024**  
**MARTELL'S TIKI BAR**  
**POINT PLEASANT BEACH, NJ**  
**4PM TO 9PM**

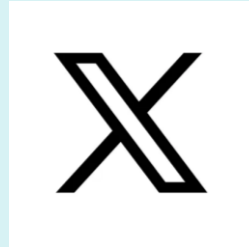
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Professionals  
Association



@NJLSRPA



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<https://bit.ly/joinlsrpa>



# THANK YOU!





# Receptor Evaluation FAQs

June 4, 2024



Lynne Mitchell, Assistant Director  
Remediation Review Element



# Receptor Evaluation Contact



The contact for Receptor Evaluations can be found:

[NJDEP | Contaminated Site Remediation & Redevelopment Program | Contact List](#)

Kendrick Brown

609-940-4816

Kendrick.Brown@dep.nj.gov

# New RE FAQ released on May 30, 2024



## Questions to be covered today:

1. What is a door-to-door survey?
2. When is a door-to-door survey required?
3. What is expected in a door-to-door survey?
4. What lines of evidence can be used if a property owner doesn't respond to the door-to-door survey?
5. How can an investigator locate private unpermitted wells?
6. When submitting an updated receptor evaluation with the remedial investigation, remedial action or IEC source control report, does the ecological evaluation (EE) have to be resubmitted?
7. Is a receptor evaluation required when historic fill material is the only area of concern at the site?
8. How should the Receptor Evaluation form be filled out if a site is very complex, or the form does not address the site-specific circumstances?

Bonus Question: What should a warehouse be classified as for the Land use section of the RE?

# 1. What is a door-to-door survey?



The Department considers a door-to-door survey to be an evaluation of all properties within the distances identified in **N.J.A.C. 7.26E-1.14(a)1ii (trigger distances)**, to determine the existence of any unpermitted potable or irrigation wells. A door-to-door survey must be conducted pursuant to N.J.A.C. 7.26E-1.14(a)1ii

# N.J.A.C. 7.26E-1.14(a)1ii:



If there are any potable or irrigation wells within one-half mile of each point of ground water contamination, conduct a door-to-door survey to determine the existence of any unpermitted potable or irrigation wells within a 500-foot radius of each known point of ground water contamination when the ground water flow direction is not known and within 250 feet up gradient, 500 feet side gradient and 500 feet down gradient and of each known point of ground water contamination when the ground water flow direction is known;



# Trigger Distances



within a 500-foot radius of each **known point** of ground water contamination when the ground water flow direction is not known and

within 250 feet up gradient, 500 feet side gradient and 500 feet down gradient and of each known point of ground water contamination when the ground water flow direction is known

# Known Point of Ground Water Contamination



Each known point of ground water contamination means:

The projected down gradient extent of the contamination as a known data point

For example:

If you have completed your SI and confirmed ground water contamination at 100ppb benzene in MW1, you must use extrapolation to determine the downgradient extent

## 2. When is a door-to-door survey required?



A door-to-door survey is required if potable or irrigation wells are identified within a half-mile of ground water contamination. In addition, the Department recommends that properties within the trigger distances identified in N.J.A.C. 7.26E-1.14(a)1ii, that are not serviced by municipal water and a well record was not identified, should also be included with the door-to-door survey.

# When is a door-to-door survey required?



- If potable or irrigation wells are identified within a half-mile of ground water contamination; and
- properties within the trigger distances that are not serviced by municipal water and a well record was not identified, should also be included



### 3. What is expected in a door-to-door survey?



All properties within the trigger distances identified in N.J.A.C. 7:26E-1.14(a)1ii., must be evaluated to determine the existence of any unpermitted potable or irrigation wells. Not every door must be visited to complete the door-to-door survey. Well survey questionnaires should be sent to all properties within the sampling trigger distance via certified mail and standard mail to encourage a maximum neighborhood response to the inquiry. A follow-up inquiry/ mailing should occur with any property owner who did not respond to the well survey questionnaire.

# What is expected in a door-to-door survey?



- All properties within the trigger distances, must be **evaluated** to determine the existence of any unpermitted potable or irrigation wells
- **Not every door must be visited to complete the door-to-door survey**
- Well survey questionnaires should be sent to all properties within the sampling trigger distance via certified mail and standard mail
- A follow-up inquiry/mailing should occur with any property owner who did not respond to the well survey questionnaire

# Test Poll #1

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# Test Poll #1

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Every door must be visited to complete the door-to-door survey.

- A. True
- B. False



# Test Poll #1

---

Every door must be visited to complete the door-to-door survey.

A. True

B. False

## 4. What lines of evidence can be used if a property owner doesn't respond to the door-to-door survey?



For property owners who do not respond to the well survey questionnaire, multiple lines of evidence may be provided to demonstrate that no further evaluation of their well is needed to determine the existence of any unpermitted potable or irrigation wells.

# What lines of evidence can be used if a property owner doesn't respond to the door-to-door survey?



Some examples of multiple lines of evidence that may be used:

- Records from the water purveyor to demonstrate the property is receiving public water;
- Local and county health departments' records of well construction details ("as-built" drawings) and well abandonment records;
- Ground water directional flow used to demonstrate that the property in question may be upgradient or side gradient of the plume;
- Plume dimensions or plume delineation indicating that a non-responsive property is not impacted by the ground water contamination;
- Depth to contaminated ground water; and
- Local information on potable well constructions in the area (i.e., depth to well screening vs. depth to ground water contamination).

## 5. How can an investigator locate private unpermitted wells?



Active, unpermitted private wells are often found in areas currently serviced by water purveyors, unless a local ordinance required properties to decommission such wells before access to the public water supply was granted. Local and county health departments are great resources and may be able to assist with outreach to property owners.



# How can an investigator locate private unpermitted wells?



Local and county health departments are great resources and may be able to assist with outreach to property owners

## 6. When submitting an updated receptor evaluation with the remedial investigation, remedial action or IEC source control report, does the ecological evaluation (EE) have to be resubmitted?



Yes. When the ecological evaluation is initially conducted at the end of the site investigation, there is limited information. Therefore, it is important that the investigator re-evaluate potential ecological receptors as more information is collected during the later phases of remediation. The updated receptor evaluation form should reflect this continuing evaluation. Please refer to the Ecological Evaluation Technical Guidance document located at [NJDEP | Contaminated Site Remediation & Redevelopment Program | Guidance](#).

## When submitting an updated receptor evaluation with the remedial investigation, remedial action or IEC source control report, does the ecological evaluation (EE) have to be resubmitted?



- Yes. It is important that the investigator re-evaluate potential ecological receptors as more information is collected during the later phases of remediation
- The updated receptor evaluation form should reflect this continuing evaluation
- Please refer to the Ecological Evaluation Technical Guidance document located at [NJDEP | Contaminated Site Remediation & Redevelopment Program | Guidance](#)

## 7. Is a receptor evaluation required when historic fill material is the only area of concern at the site?



- Yes, the receptor evaluation is required for historic fill material. Information for historic fill material can be found in the Historic Fill Guidance document located at [NJDEP | Contaminated Site Remediation & Redevelopment Program | Guidance](#)
- \*A well search must be completed for the footprint of the site unless ground water is sampled and the results are below the ground water remediation standards. If a potable well is found on site, then it must be investigated. A door-to-door survey is not required if historic fill material is the only area of concern at the site
- An ecological evaluation is required of historic fill material. Information for the ecological evaluation for historic fill is addressed in section 6.4.9 of the Ecological Evaluation Technical Guidance document located at [NJDEP | Contaminated Site Remediation & Redevelopment Program | Guidance](#)



# Is a receptor evaluation required when historic fill material is the only area of concern at the site?



- A well search must be completed for the **footprint of the site** unless ground water is sampled and the results are below the ground water remediation standards
- If a potable well is found on site, then it must be investigated
- A door-to-door survey **is not** required if historic fill material is the only area of concern at the site

## 8. How should the Receptor Evaluation form be filled out if a site is very complex, or the form does not address the site-specific circumstances?



When the site is very complex or the Receptor Evaluation form does not address site-specific circumstances, include a short, concise narrative with the form that clearly explains the site-specific circumstances and describes how receptors are being protected. If you need assistance, please refer to the Contaminated Site Remediation & Redevelopment's contact for receptor evaluations. Contact information can be found here: [NJDEP | Contaminated Site Remediation & Redevelopment Program | Contact List](#).

# How should the Receptor Evaluation form be filled out if a site is very complex, or the form does not address the site-specific circumstances?



- **Include a short, concise narrative with the form that clearly explains the site-specific circumstances and describes how receptors are being protected.**
- If you need assistance, please refer to the Contaminated Site Remediation & Redevelopment's contact for receptor evaluations. Contact information can be found here: [NJDEP | Contaminated Site Remediation & Redevelopment Program | Contact List](#).

# Bonus ?



What should a warehouse be classified as for the Land use section of the RE?

Industrial

Commercial

Residential



# Bonus ?



What should a warehouse be classified as for the Land use section of the RE?

If a warehouse does not have a NAICS code associated with it, the building should be considered a commercial property for receptor evaluation form purposes.

# Receptor Evaluation Contact



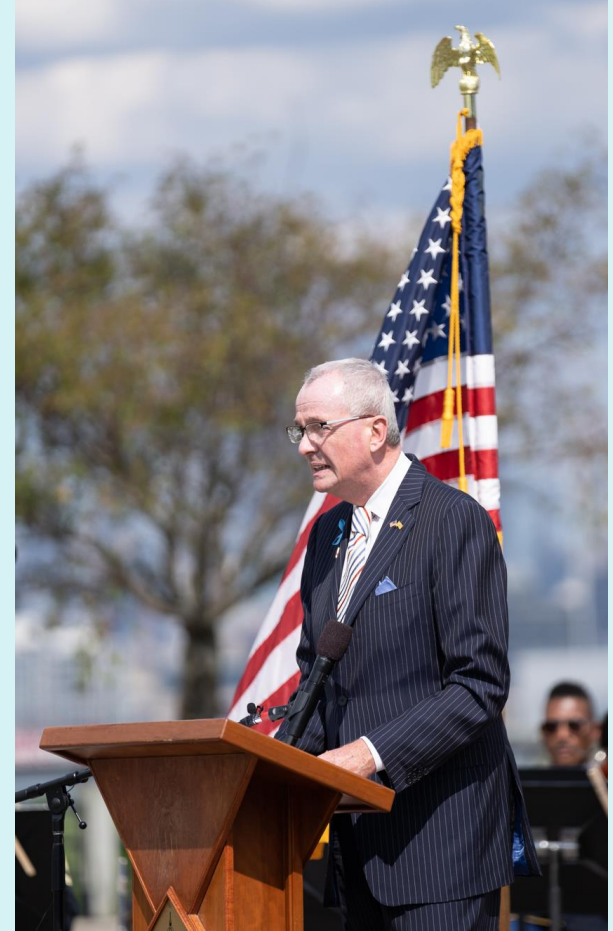
The contact for Receptor Evaluations can be found:

[NJDEP | Contaminated Site Remediation & Redevelopment Program | Contact List](#)

Kendrick Brown

609-940-4816

Kendrick.Brown@dep.nj.gov



Thank you!





# Variance from the Technical Requirements

June 4, 2024



Muriel Kiernan, Environmental Specialist 4  
Bureau of Inspection and Review



# Variance from the Technical Requirements



- Variance Process outlined in the Technical Requirements for Site Remediation (Tech Rule) at N.J.A.C. 7:26E-1.7

N.J.A.C. 7:26E  
TECHNICAL REQUIREMENTS FOR SITE REMEDIATION

Statutory authority  
N.J.S.A. 13:1D et seq., 13:1E et seq., 13:1K-6 et seq., 58:10-23.11a et seq., 58:10A-1 et seq.,  
58:10A-21 et seq., and 58:10B-1 et seq.

Date last amended  
August 6, 2018

For the regulatory history and effective dates see the Administrative Code

Rule expiration date  
March 13, 2026



# Variance from the Technical Requirements



- To Vary from a regulatory technical requirement, the **Person Responsible for Conducting the Remediation (PRCR)** is required to:
  - 1) Identify the citation for the technical requirement
  - 2) Provide a description of how the variance deviates from the cited regulatory requirementAnd...

# Variance from the Technical Requirements



3) Include **supporting documentation** demonstrating the variance provides:

- Verifiable and reproducible results
- Achieves the objective of the cited technical requirement; and
- Furthers the attainment of the specific remedial phase

# Variance from the Technical Requirements



- Department does not require advance notice on a separate form
- Instead, each Key Document (SI, RI, RA, etc.) online service has a place to indicate variances in the “Miscellaneous” section
- Deviation from guidance does not require a variance but still needs to be justified

- 1 - Instructions
- 2 - Facility Selection
- 3 - Case Selection
- 4 - Submission Type Selection
- 5 - Submission Name
- 6 - Additional Site Information
- 7 - Contacts
- 8 - CID Upload
- 9 - CID Upload Confirmation
- 10 - AOC/Tank Relationship
- 11 - RIR Submission Scope
- 12 - RIR Details - Soil
- 13 - RIR Details - Ground Water
- 14 - RIR Details - Ecological
- 15 - RIR Details - ARS
- 16 - RIR Details - Miscellaneous
- 17 - Attachment Upload
- 18 - Remedial Phase Document Upload
- 19 - Certification
- Please Note  
You may click on a previously visited page (above) to navigate back to that screen.

RIR DETAILS - MISCELLANEOUS

Answer the following series of questions and inquiries to provide additional information about the investigation conducted.

MISCELLANEOUS

If dioxin was detected in soil, ground water, or sediment utilizing acceptable analytical methods select "Yes". If dioxin was not included in the laboratory analysis, select "N/A".

Has dioxin been detected in any site media? Yes

Indicate whether any new information has been generated during the current remedial phase that changes or contradicts any conclusions previously provided in reports. Add all rows that are applicable. Provide specific details of any changes or corrections by adding an additional row and selecting "Other Information"; then include the description of new information in that row.

Has new information been identified that changes conclusions from a previous submission? Yes

Row	Information Identified	Description	Remove
1	Material Facts	Material Facts go here.	

Add Row

Have past NJDEP-documented deficiencies been addressed in this submission? Yes

For additional information on variances, see the Technical Requirements for Site Remediation N.J.A.C. 7:26E-1.7, by clicking on the link.

Specify the regulatory citation of the variance. Add rows as needed.

Has a variance from the regulations been implemented?

Yes

No

Were the laboratory reporting levels below applicable remedial / screening levels required for the site?

Save Continue



Version: 6.3

Currently logged in: Tyrone Jordan (TJORDAN0101)

Server: Server\_2

164220

SRP UST WEB TEST PI TEST NC

[Help](#) | [Logout](#)**RIR DETAILS - MISCELLANEOUS**

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Has new information been identified that changes conclusions from a previous submission?

Row	Information Identified	Description	Remove
1	<input type="text" value="Material Facts"/>	Material Facts go here.	

[Add Row](#)

Have past NJDEP-documented deficiencies been addressed in this submission?

For additional information on variances, see the [Technical Requirements for Site Remediation N.J.A.C. 7:26E-1.7](#), by clicking on the [link](#).

Specify the regulatory citation of the variance. Add rows as needed.

Has a variance from the regulations been implemented?

Row	Page Number in Submission	General Rule	Section	Sub-section	Paragraph	Sub-paragraph	Remove
1	1	<input type="text" value=""/>					

Were the laborator

- N.J.A.C. 7:26E- 1 Tech Regs - General Information
- N.J.A.C. 7:26E- 2 Tech Regs - Quality Assurance for Sampling and Laboratory Analysis
- N.J.A.C. 7:26E- 3 Preliminary Assessment and Site Investigation
- N.J.A.C. 7:26E- 4 Remedial Investigations
- N.J.A.C. 7:26E- 5 Remedial Action

required for the site?

[Add Row](#)**Please Note**

You may click on a previously visited page (above) to navigate back to that screen.

[Save](#)[Continue](#)





Version: 6.3

Currently logged in: Tyrone Jordan (TJORDAN0101)

Server: Server\_2

164220

SRP UST WEB TEST PI TEST NC

[Help](#) | [Logout](#)**RIR DETAILS - MISCELLANEOUS**

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Row	Information Identified	Description	Remove
1	<input type="text" value="Material Facts"/>	Material Facts go here.	

[Add Row](#)

Have past NJDEP-documented deficiencies been addressed in this submission?

For additional information on variances, see the [Technical Requirements for Site Remediation N.J.A.C. 7:26E-1.7](#), by clicking on the [link](#).

Specify the regulatory citation of the variance. Add rows as needed.

Has a variance from the regulations been implemented?

Row	Page Number in Submission	General Rule	Section	Sub-section	Paragraph	Sub-paragraph	Remove
1	1	N.J.A.C. 7:26E- 1 Tech Regs - General Information	a	b	c	d	

[Add Row](#)

Were the laboratory reporting levels below applicable remediation standards / screening levels required for the site?

  
  
[Save](#)[Continue](#)

**Please Note**  
You may click on a previously visited page (above) to navigate back to that screen.

# The PRCR shall not vary from the following applicable requirements



- 1) A regulatory timeframe, site-specific expedited timeframe, or mandatory timeframe
- 2) A requirement to obtain or comply with a permit (i.e., Discharge to GW Permit or RAP)
- 3) A requirement to submit a document (this includes format required by Tech Rule)
- 4) A requirement to comply with a remediation standard (N.J.A.C. 7:26D)

# The PRCR shall not vary from the following applicable requirements cont.



- 5) A requirement to comply with a quality assurance laboratory requirement (i.e., the requirement to utilize NJ certified labs)
- 6) A requirement to obtain the Department's prior written approval\*
- 7) The requirements of N.J.A.C. 7:26E-5.2(b) (Alternative fill from an off-site source)
- 8) The requirement to not import hazardous waste as fill material, pursuant to N.J.A.C. 7:26E-5.2(f)

# Tips & Helpful Hints



- Dedicate a section of the report to Variance(s)
- Explicitly state the citation in the report
- Explain why variance was needed and what prevented adherence to the requirements (cost is not a valid stand-alone reason!)

# Tips & Helpful Hints cont.



- Give full details on variance – not just the regulatory requirements (i.e., verifiable results, achieve the objective, furthers attainment), but also...
- How is the variance still protective of human health and environment?

# Tips & Helpful Hints cont.



- Multiple Lines of Evidence (MLE): demonstrate protectiveness through empirical data
- Professional Judgement: variances that do not require data to support them (i.e., map not to scale)



# Common Deficiencies



- Varying from the Tech Regs without acknowledging it
- Not providing reports in the format required by Tech Rule (i.e., no sample location maps with depths & concentrations)
- Requesting a variance but providing no supporting documentation

# Bureau of Inspection & Review (BIR)



- All documents are inspected – variances identified during inspection
- Real-time review: any variance that can change the trajectory of remediation
- Deferred review: any other type of variance

# Poor Example



## 7:26E-1.15 Receptor evaluation - vapor intrusion

(a) The person responsible for conducting the remediation shall conduct a receptor evaluation of the vapor intrusion pathway pursuant to this section when any of the following conditions exist:

1. A volatile organic ground water contaminant is identified at a concentration greater than the vapor intrusion ground water screening level available on the Department's website at [www.nj.gov/dep/srp/srra/guidance](http://www.nj.gov/dep/srp/srra/guidance):

- i. Within 30 feet of a building and it is petroleum hydrocarbon based ; or
- ii. Within 100 feet of a building and it is not petroleum hydrocarbon based;

# Poor Example cont.



- BTEX > VIGWSL in 3 monitoring wells triggering on-site building for VII
  - ✗ No SG or IA samples taken
  - ✗ No variance was indicated
  - ✗ Justification: no odors have been smelled by workers & soils borings under building ND for VOCs

# Good Example



- 7:26E-1.14(a)2ii – Receptor evaluation – ground water

ii. Sample each potable well identified by the well search that is located within 500 feet of any point of ground water contamination if ground water flow direction is not known, or if ground water flow direction is known, limit sampling to wells 250 feet up gradient, 500 feet side gradient and 500 feet down gradient from any point of ground water contamination;

# Good Example cont.



- Gas Station – GW COCs = benzene, ethylbenzene, xylenes, TBA
- 49 potable wells within 500 ft down gradient & side gradient, & 250 ft upgradient of plume
- 40 potable wells sampled. 9 not sampled due to no access



# Good Example cont.



MLE used as Justification for Variance:

- The plume vertically delineated at 25 ft bgs; average depth of potable wells = 94 ft bgs
- 7 of the 9 properties with potable wells not tested had been sold since then and were subject to NJ Private Well Testing Act

# Good Example cont.



MLE cont.:

- Only 2 potable wells not tested; COC ND in all PWs sampled (including properties in between the subject site and the 2 not sampled)
- GW pathway will continue to be evaluated and protectiveness of MNA will be assessed as part of RAP & Bi-Certs



Thank you!





# New Geographical Information System (GIS) Layers

June 4, 2024



Donald Cramer, Section Chief  
Bureau of Information Systems



## CSRR - Bureau of Information Systems (BIS)

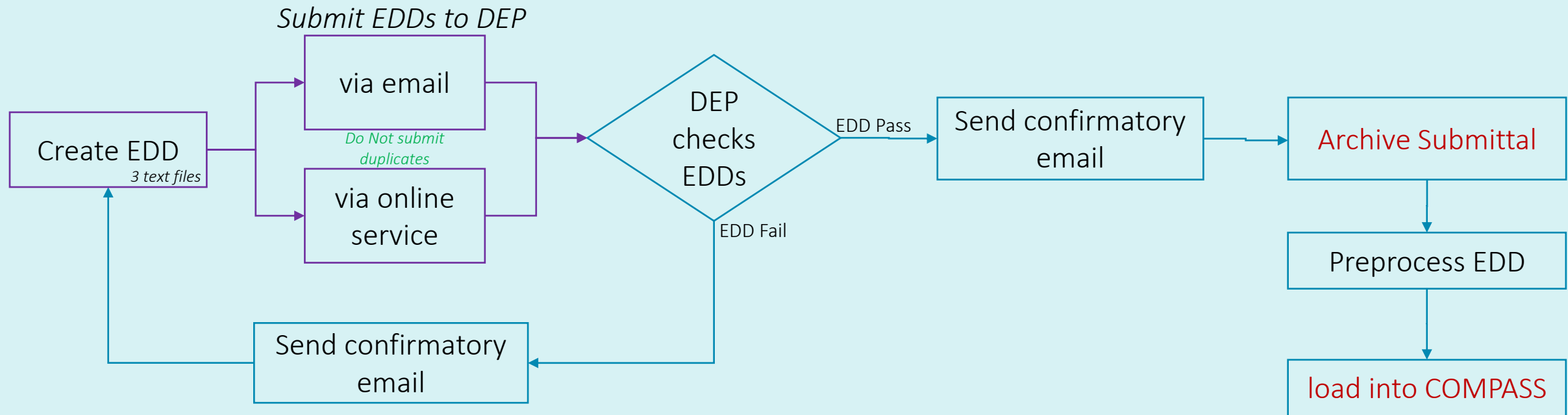
### BIS - Technical Support and GIS Section

- Electronic Data Deliverables (EDD)
  - Electronic data Interchange (EDI) Manual
  - EDD Processing
  - Data Storage
- Geographic Information Systems (GIS)
  - Web Mapping Application
    - NJDEP Site Remediation Profile in ArcGIS Online (AGO)
  - GIS Layers
  - Web Page

# Electronic Data Submissions



## EDD Submittal flow chart



### Talking points

1. Submit EDD by email or service, not both
2. Online service zip files should only include the EDDs files
3. We archive the 'as received' EDDs
4. EDDs are processed and loaded into COMPASS (our enterprise database)

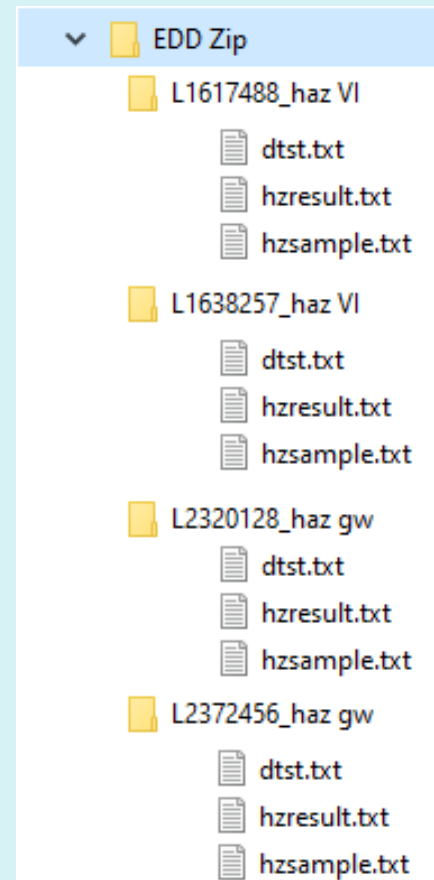


# EDD 'HazSite' Data



## Submitting EDDs via On-line Service

- Must be zipped
- Only include EDD files
- Do not resubmit EDDs



## What 'HazSite' data can be accessed?

- Archived datasets
  - Original 'as-submitted' data
  - Sampling and lab results are in 3 text files per EDD submission
- COMPASS data
  - Data processed by DEP and stored in enterprise database
  - COMPASS data have been processed (changed)
  - Only data that pass our EDD checker and are uploaded into COMPASS are available

# EDD 'HazSite' Data



## How can I get 'HazSite' sampling data?

- Email ([hazsite@dep.nj.gov](mailto:hazsite@dep.nj.gov))

Subject line: HazSite Data Request

- DataMiner report

EDD report that is launched from the existing EDD DataMiner report

# EDD 'HazSite' Data - Email Request



## Email requests

- Types of search requests:
  - Preferred ID(s)
  - Radius searches around Preferred ID or X-Y State Plane Coordinates
  - Coordinate Box
- Output Types *(select one or both)*
  - Archived EDD Datasets ('as received' original 3 text files)
  - COMPASS data (a.k.a. GIS ready)
    - provided in Excel file with 5 tabs (Pref IDs, EDD Info, HZ Samples, HZ Results, Hits Only)
    - All results merged into one spreadsheet

*Note: This is a manual process, but we are looking to automate these requests.*

# EDD 'HazSite' Data - DataMiner



## COMPASS Data retrieval - DataMiner Report

➔ *Electronic Data Submittals by PI Number*

- Run DataMiner report for Site Remediation Reports

### SPECIAL REPORTS CATEGORY (3)

This category includes three sub-categories. The sub-categories are Local Construction Codes Officials; Child Care Educational Facilities and Brownfields

#### BROWNFIELDS (1)

This sub-category includes a report on UST sites that may have Brownfield redevelopment possibilities. Brownfields are former or current industrial or commercial sites that have known or suspected contamination and are abandoned or underutilized. The requestor is prompted to select a county.

▶ [UST Sites for Possible Brownfield Redevelopment](#)

UST Sites for Possible Brownfield Redevelopment.

#### ELECTRONIC DATA SUBMITTALS (1)


This sub-category includes a report that allows the user to view a list of Electronic Data Submissions received by the Department for a Specific PI number.

▶ [Electronic Data Submittals by PI Number](#)

This report allows the user to view a list of Electronic Data Submissions received by the Department for a Specific PI number

# COMPASS Data Retrieval - DataMiner



 DEP DataMiner

Home

**Electronic Data Submittals by PI Number**

This report allows the user to view a list of Electronic Data Submissions received by the Department for a Specific PI number

Enter Pref ID Number:

☒ View Report by Pages

Submit

# COMPASS Data Retrieval - DataMiner



DEP DataMiner

Home > Report Criteria

Electronic Data Submittals by PI Number

Export as: [PDF](#) [Excel](#)

1 2 3 4 5 6 7 8 9 10 ... » »»

**EDSA Submissions for ON3, Preferred ID Number: 009949**

Catalog Number	Accepted/Returned	Replaced By Catalog Num.	DT ST Directory	Description	Consultant	Submit Date	Number of Results	Number of Samples	Sample Date Range	SamplelabID Range	View Results
HB132466	A		IA14RIRH	HLR IA-14RIR Historical Samples	TRC	3/29/13	23,982	269	(08/02/1999) - (09/19/2012)	(147660) - (N68667-1A)	<a href="#">View Results</a>
HB132467	S	HB153170	IA-14RIR	HLR IA-14RIR	TRC	3/29/13	20,857	152	(10/24/2012) - (12/20/2012)	(JB20142-1) - (MC15882-9)	<a href="#">View Results</a>
HB134115	A		IA-12	IA-12 RIR Accutest New England	TRC	7/18/13	4,038	42	(11/05/2012) - (11/09/2012)	(MC15725-1) - (MC15890-8)	<a href="#">View Results</a>
HB134116	S	HB153171	IA12POST	IA-12 RIR Accutest NJ	TRC	7/18/13	13,568	231	(11/12/2012) - (05/17/2013)	(JB21096-1) - (JB37336-4)	<a href="#">View Results</a>
HB134117	S	HB153598	IA2POST1	HLR IA-2 RIR RECENT	TRC	7/19/13	60,331	421	(11/12/2012) - (11/28/2012)	(JB21111-1) - (JB22306-9)	<a href="#">View Results</a>
HB134118	S	HB153599	IA2POST2	HLR IA-2 RIR RECENT	TRC	7/19/13	58,132	454	(11/29/2012) - (04/29/2013)	(JB22425-1) - (JB35614-1S)	<a href="#">View Results</a>
HB134119	S	HB153600	IA2POST3	HLR IA-2 RIR RECENT	TRC	7/19/13	16,473	90	(02/05/2013)	(JB28066-1) - (JB28066-9)	<a href="#">View Results</a>
HB135713	S	HB135720	7SOILPRE	HLR IA-7 RIR Historical Soil	TRC	9/4/13	54,362	723	(12/21/1996) - (07/11/2011)	(105235) - (N61780-7)	<a href="#">View Results</a>

Report of EDDs submitted for this Preferred ID. Report can only retrieve Approved (A) EDDs.



# COMPASS Data Retrieval - DataMiner



## DEP DataMiner

[Home](#) > [Report Criteria](#) > [Report Criteria](#)

Electronic Data results by Catalog Number

Export as [PDF](#) [Excel](#)

Electronic Data Submission

Electronic Data Results

1

### EDSA Submission for ON3, Preferred ID Number: 009949

Catalog Number	Accepted/Returned	Replaced By Catalog Num.	DTST Directory	Description	Consultant	Submit Date	Number of Results	Number of Samples	Sample Date Range	SamplelabID Range
HB132466	A		IA14RIRH	HLR IA-14RIR Historical Samples	TRC	3/29/13	23,982	269	(08/02/1999) - (09/19/2012)	(147660) - (N68667-1A)

Report of information for a particular EDD. This tab has information about the EDD submittal.

# COMPASS Data Retrieval - DataMiner



DEP DataMiner

Home > Report Criteria > Report Criteria

Electronic Data results by Catalog Number

Export as [PDF](#) [Excel](#)

Electronic Data Submission **Electronic Data Results**

1 2 3 »

PREF_ID_NUM	SRP_DIR	SAMPDATE	SAMPNUM	DUPSAMP	MATRIX	FIELDID	AOC_ID	SP_X	SP_Y	DEPTH_TOP	DEPTH_BOT_M	GROUNDLEVEL	WELL_ELEV	SAMPTYPE	DATETOLAB
009949	HB132466	8/2/99	53266	N	Soil	EB-CT-26-2	IA-14_AOC184	588,294.3	727,050.45	0	2	82.06		SURFACE SOIL	8/4/99
009949	HB132466	8/2/99	53266	N	Soil	EB-CT-26-2	IA-14_AOC184	588,294.3	727,050.45	0	2	82.06		SURFACE SOIL	8/4/99
009949	HB132466	8/2/99	53266	N	Soil	EB-CT-26-2	IA-14_AOC184	588,294.3	727,050.45	0	2	82.06		SURFACE SOIL	8/4/99
009949	HB132466	8/2/99	53266	N	Soil	EB-CT-26-2	IA-14_AOC184	588,294.3	727,050.45	0	2	82.06		SURFACE SOIL	8/4/99
009949	HB132466	8/2/99	53266	N	Soil	EB-CT-26-2	IA-14_AOC184	588,294.3	727,050.45	0	2	82.06		SURFACE SOIL	8/4/99
009949	HB132466	8/2/99	53266	N	Soil	EB-CT-26-2	IA-14_AOC184	588,294.3	727,050.45	0	2	82.06		SURFACE SOIL	8/4/99
009949	HB132466	8/2/99	53266	N	Soil	EB-CT-26-2	IA-14_AOC184	588,294.3	727,050.45	0	2	82.06		SURFACE SOIL	8/4/99
009949	HB132466	8/2/99	53266	N	Soil	EB-CT-26-2	IA-14_AOC184	588,294.3	727,050.45	0	2	82.06		SURFACE SOIL	8/4/99

Report of information for a particular EDD. This tab has the sampling and results information.

# Geographic Information System



## What's new for GIS?

❖ GIS Web page ([dep.nj.gov/srp/gis/](http://dep.nj.gov/srp/gis/)) updated in June 2023

details were in the July 24, 2023 'GIS updates' Listserv

# Geographic Information System



## What's new for GIS?

### ❖ GIS Web page ([dep.nj.gov/srp/gis/](https://dep.nj.gov/srp/gis/)) updated in June 2023

details were in the July 24, 2023 'GIS updates' Listserv

- Administrative Requirements for GIS Deliverables (version 2.0)

GIS Deliverables covered in guidance

- Site Boundary / AOC
- Classification Exception Area (CEA)
- Current Known Extent (CKE)
- Deed Notice (DN)
- Linear Construction (LC)

# GIS Layers / Web Application



## Updated GIS layers

- SRP Preferred ID (revised)

- Related table for AOCs

- UST Facilities (revised)

- Includes UST information

- Historic Fill layer (renamed)

new name: “Historically Filled - DOES NOT IMPLY CONTAMINATION”

- layer is estimated fill boundary based on photo interpretation
- Historic Fill is, by definition, contaminated fill

# GIS Layers / Web Application



## New GIS layers

- Brownfields Inventory for NJ
- Ground Water Classification Aids *(official maps are in the GWQS Regulations)*
  - Class III-A Aquitards
  - Category one (C1) Water of NJ
  - State Natural Areas Preserve
  - FW1 Streams
  - Watersheds of FW1 surface waters
- Link to USDA Web Soil Survey mapping application



# GIS Layers / Web Application



## ❖ CSRR Web Application

### NJDEP Site Remediation Profile in AGO

Web mapping tool specifically designed for investigating contaminated sites

- Access profile via CSRR web page - Resources section

[NJ GeoWeb Site Remediation Profile](#)

- Previous training

NJ-GeoWeb Site Remediation Profile Training (27 October 2021)

# GIS Layers / Web Application



NJDEP Site Remediation Profile in AGO

SRP GIS Home SRP Acronyms **Ground Water Classification Aids**

Find address or place

**Commonly Used Layers**

- ☐ Deed Notice Areas
- ☐ Groundwater Contamination Areas (CEA)
- ☐ Historically Filled - DOES NOT IMPLY CONTAMINATION
- ☐ Immediate Environmental Concern Sites (IECs)
- ☒ Known Contaminated Sites List
- ☐ NJEMS Sites
- ☐ SRP Preferred ID
- ☐ Underground Storage Tanks in New Jersey

**Layers**

- NJ Statewide Layers
- Sites and Facilities
- Receptors
- Geology
- Planning Areas
- Landscape
- Imagery
- USDA Web Soil Survey App/SSURGO Soils**

Map showing New Jersey and surrounding areas (Pennsylvania, New York, Maryland, Delaware). Major cities like Philadelphia, New York, and Trenton are visible. The map includes a scale bar (0 to 30 miles) and a north arrow.

POWERED BY esri

# GIS Layers / Web Application



**NJDEP Site Remediation Profile in AGO** SRP GIS Home SRP Acronyms Ground Water Classification Aids

Find address or place

**Commonly Used Layers**

**Layers**

- ☐ Deed Notice Areas
- ☐ Groundwater Contamination Areas (CEA)
- ☐ Historically Filled - DOES NOT IMPLY CONTAMINATION
- ☐ Immediate Environmental Concern Sites (IECs)
- ☐ Known Contaminated Sites List
- ☐ NJEMS Sites
- ☒ SRP Preferred ID
  - Active
  - Active - UHOT
  - RAP/Post Remedial
  - Closed
  - Pending
- ☐ Underground Storage Tanks in New Jersey
- ☐ Child Care Centers
- ☐ Purveyor
- ☐ School Point Locations of NJ (Public, Private and Charter)

**SRP Preferred ID layer**

**SRP Preferred ID LIBERTY STATE PARK**

Preferred ID: 030470  
PI Name: LIBERTY STATE PARK  
Address: AUDREY ZAPP BLVD  
Municipality: Jersey City  
County: Hudson  
Case Status: Closed  
Case Start Date:  
Case Closed Date: 11/17/1995  
Confirm Contam: Yes - Historic  
Closed UST Case

X Coord: 615683  
Y Coord: 679808  
Coord System: NJ State Plane (NAD83) - USFEET  
Location Ref: Unknown  
Coord Source Org: DEP-GIS  
Coord Source Type: GPS  
Datalog Date: 5/26/2024, 12:00 AM

[View Case Location in Google Maps](#)

Click to view SRP Dataminer Reports:  
[Site Detail by PI Report](#)

**CSRR**

Related tables:  
SRP Preferred ID Activity Table

[Zoom to](#)

**Sites and Facilities**

- ☐ Groundwater Contamination Areas (CEA)
- ☐ Historically Filled - DOES NOT IMPLY CONTAMINATION
- ☐ Immediate Environmental Concern Sites (IECs)
- ☐ Known Contaminated Sites List
- ☐ NJEMS Sites
- ☐ NJPDES Regulated Facility Locations
- ☐ NJPDES Surface Water Discharge Points
- ☐ Solid & Hazardous Waste Facilities
- ☐ Solid Waste Landfills (35 Acres and Above)
- ☒ SRP Preferred ID
- ☐ Underground Storage Tanks in New Jersey
- ☐ Congressional\_Districts\_of\_NJ
- ☐ Underground Storage Tanks (Inspection Table) in New Jersey
- ☐ Underground Storage Tanks (Tank Table) in New Jersey
- ☐ Tran\_road - Tran\_roadNameAlias
- ☐ SRP Preferred ID Activity Table
- ☐ SRP Preferred ID LSRP Table
- ☐ IEC Source Data
- ☐ IEC Receptor Data
- ☐ IEC LSRP Data
- ☐ Environmental\_NJEMS - NJEMS Site PI

600ft

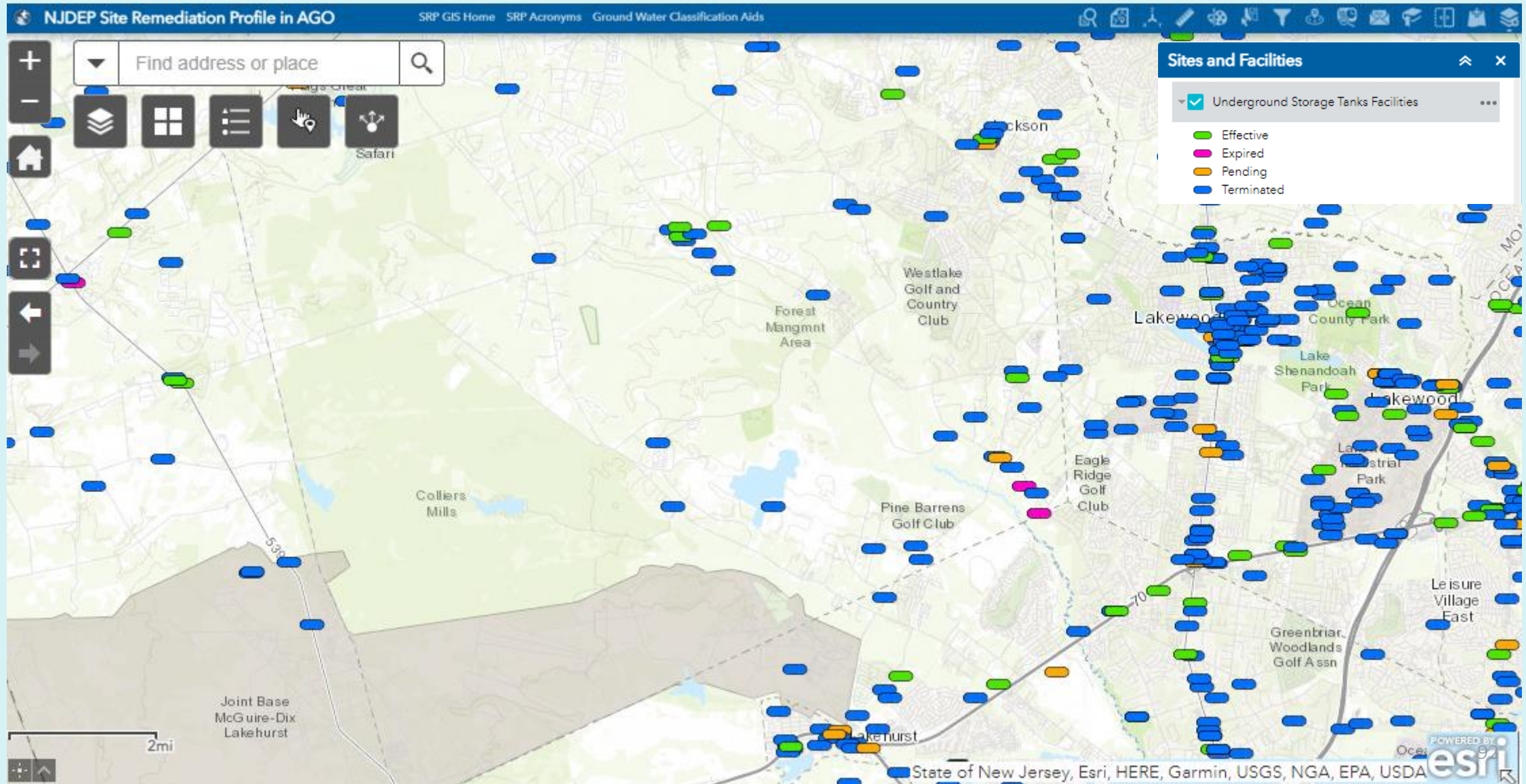
NYC OpenData, State of New Jersey, Esri, HERE, Garmin, INCREM



# GIS Layers / Web Application



UST Facilities layer



# GIS Layers / Web Application



## UST Facilities layer schema

Field#	Name	Field#	Name	Field#	Name
1	PREF_ID_NUM	21	DELIVERY_BAN	41	FINANCIAL_RESPONSIBILITY
2	SITE_ID	22	BAN_ISSUED	42	FINANCIAL_RESPONSIBILITY_TYPE
3	ACTIVITY	23	TOTAL_USTS_COUNT	43	BILLING_CYCLE
4	DOCUMENT_STATUS	24	ACTIVE_USTS_COUNT	44	ACTIVE_BARESTEEL_COUNT
5	REGISTRATION_STATUS	25	ACTIVE_SINGLEWALL_COUNT	45	ACTIVE_CATHODICPROTECTION_COUNT
6	FACILITY_TYPE	26	ACTIVE_DOUBLEWALL_COUNT	46	ACTIVE_FIBERGLASSSTEEL_COUNT
7	REGISTRATION_PERIOD	27	ACTIVE_SECONDARYCONTAINMENT_COUNT	47	ACTIVE_FIBERGLASSPLASTIC_COUNT
8	DATE_EFFECTIVE	28	GASOLINE_UST_ACTIVE	48	ACTIVE_INTERNALLYLINED_COUNT
9	DATE_EXPIRES	29	ACTIVE_GASOLINE_COUNT	49	ACTIVE_TANKTYPEOTHER_COUNT
10	PI_NAME	30	DIESEL_UST_ACTIVE	50	WELL_HEAD_PROTECTION
11	ALIAS	31	ACTIVE_DIESEL_COUNT	51	NJSPC83_EASTING_(X)
12	ADDRESS	32	HEATINGOIL_UST_ACTIVE	52	NJSPC83_NORTHING_(Y)
13	ADDRESS2	33	ACTIVE_HEATINGOIL_COUNT	53	COORDINATE_SYSTEM_TYPE
14	MUNICIPALITY	34	WASTEOIL_UST_ACTIVE	54	COORDINATE_SYSTEM
15	COUNTY	35	ACTIVE_WASTEOIL_COUNT	55	LOCATION_REFERENCE
16	COMUCODE	36	OVERALL_COMPLIANCE	56	COORDINATE_SOURCE_ORG
17	PARCELS	37	MONITORING_COMPLIANCE	57	PI_ID
18	INSPECTION_ACTIVITY	38	UPGRADE_COMPLIANCE	58	INT_DOC_ID
19	INSPECTION_DATE_LAST	39	OVERFILL_PROTECTION_COMPLIANCE	59	UST_FACILITY_ID
20	INSPECTION_COUNT	40	SPILL_CONTAINMENT_COMPLIANCE	60	DATALOAD_DATE

An UST Table with details about each tank is linked to the layer.

# GIS Layers / Web Application



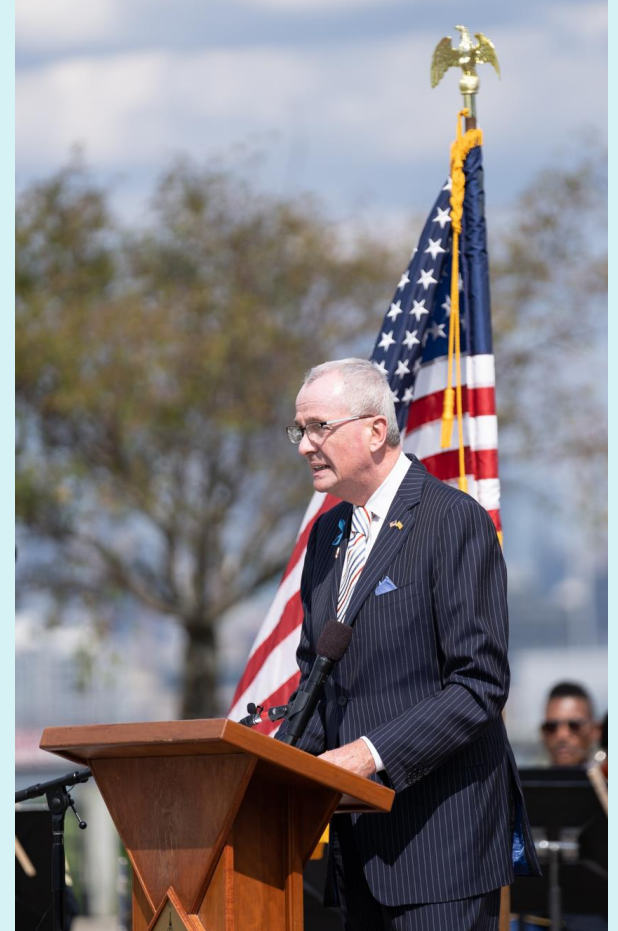
Suggestions for GIS layers (new / revisions) or revisions to the Site Remediation Profile

- [srpgis@dep.nj.gov](mailto:srpgis@dep.nj.gov)

All questions can be sent to:

- EDD: [hazsite@dep.nj.gov](mailto:hazsite@dep.nj.gov)
- GIS: [srpgis@dep.nj.gov](mailto:srpgis@dep.nj.gov)





Thank you!





# Soil Remediation Standards for Migration to Ground Water (SRS-MGW) Exposure Pathway Issues

June 4, 2024



**William Carp, Research Scientist**  
**Bureau of Environmental Evaluation and Risk Assessment**  
**Co-Lead – SRS-MGW**



# Purpose of Migration to Ground Water (MGW) Exposure Pathway



- All Soil and Soil Leachate Remediation Standards for the MGW exposure pathway were developed to protect the ground water from **FUTURE** exceedances of Ground Water Remediation Standards (GWRS) that may result from leaching of contaminants from the unsaturated soil zone to the underlying ground water
- Whenever there is a known or suspected discharge, the MGW exposure pathway must be investigated and addressed along with the other exposure pathways in accordance with the Technical Requirements for Site Remediation, N.J.A.C.- 7:26E-3.5

# Purpose of MGW Exposure Pathway cont.



- The SRS-MGW,  $MGW_{LEACHATE}$  and Alternative Remediation Standards (ARS)-MGW do not address current *ground water* conditions. All standards pertinent to the MGW exposure pathway are designed to prevent **FUTURE** contamination of the ground water from current soil contamination or residual contamination remaining after remediation
- The Department has seen applicable SRS-MGW inappropriately used as a trigger for ground water investigation. The Department's *Ground Water Technical Guidance: Site Investigation, Remedial Investigation, Remedial Action Performance Monitoring* documents details when a ground water investigation is needed, and when to install a well

- If ground water on a site is not currently impacted by any contaminants above their respective GWRS, it may be because contamination in the soil has not yet made its way to the water table
- Alternatively, it may be that contamination in the soil is at a low enough concentration that it will never impact the ground water in concentrations that exceed of the applicable GWRS

# Considerations for When Ground Water Investigation is Necessary



- Required at all Areas of Concern (AOCs) where there is potential that ground water has been contaminated

## 7:26E-3.5 Site investigation - ground water

(a) The person responsible for conducting the remediation who is subject to N.J.A.C. 7:26E-3.3(b) shall evaluate all potentially contaminated areas of concern to determine if there is the potential that ground water has been contaminated. At an area of concern where there is a potential that ground water has been contaminated, the person responsible for conducting the remediation shall conduct ground water sampling as follows:

1. Collect a sufficient number of ground water samples to evaluate for the presence of ground water contamination, biasing ground water sampling to the suspected locations of greatest contamination, both horizontally and vertically;
2. Use appropriate sampling methods; and
3. Use appropriate analytical methods.



# Considerations cont. – Fate & Transport



When determining if there is a potential that ground water has been contaminated the investigator should consider the following:

- potential receptors may have been impacted by contaminants at and/or emanating from the site (i.e., potable wells, occupied structures, or surface water)
- free or residual product is detected
- the potential discharge is close to or beneath the water table. For example, when investigating an UST, leach field, seepage pit or where the AOC is classified as an Underground Injection Control (UIC) unit regulated under N.J.A.C. 7:14A-8
- contamination is detected in soil within two feet of the water table or bedrock
- the potentially discharged contaminants are **mobile**. For example, individual contaminants with a solubility that is **greater than 100 mg/L** or mixtures of contaminants that consist of mobile constituents, such as gasoline
- the soil at an AOC has a relatively high permeability, or little sorptive capacity
- Fate contamination has had time to migrate through the unsaturated zone to the water table based on contaminant and soil transport properties and the estimated date of discharge

## APPENDIX 10

## CHEMICAL AND PHYSICAL PROPERTIES OF CONTAMINANTS

Contaminant	CAS No.	Water Solubility (mg/L)	Henry's Law Constant (atm-m <sup>3</sup> /mol, 25°C)	Henry's Law Constant (dimensionless, 25°C)	Air Diffusivity (cm <sup>2</sup> /sec)	Water Diffusivity (cm <sup>2</sup> /sec)	Soil Organic Carbon-Water Partition Coefficient, $K_{oc}$ (L/kg)	Soil-Water Partition Coefficient, $K_d$ (L/kg)
Tertiary butyl alcohol (TBA)	75-65-0	1000000 <sup>2</sup>	9.05E-06 <sup>2</sup>	3.6996E-04 <sup>2</sup>	9.8500E-02 <sup>3</sup>	1.1400E-05 <sup>3</sup>	2.111 <sup>5</sup>	NA
1,2,4,5-Tetrachlorobenzene	95-94-3	0.595	1.00E-03	4.0883E-02	3.1896E-02	8.7531E-06	2220	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	0.0002	5.00E-05	2.0442E-03	4.7028E-02	6.7568E-06	249100	NA
1,1,2,2-Tetrachloroethane	79-34-5	2830	3.67E-04	1.5004E-02	4.8921E-02	9.2902E-06	94.94	NA
Tetrachloroethene (PCE) (Tetrachloroethylene)	127-18-4	206	1.77E-02	7.2363E-01	5.0466E-02	9.4551E-06	94.94	NA
2,3,4,6-Tetrachlorophenol	58-90-2	23	8.84E-06	3.6140E-04	5.0338E-02	5.8816E-06	3140 <sup>1</sup>	NA
Toluene	108-88-3	526	6.64E-03	2.7146E-01	7.7804E-02	9.2043E-06	233.9	NA
Toxaphene	8001-35-2	0.55	6.00E-06	2.4530E-04	3.2439E-02	3.7902E-06	77200	NA
1,2,4-Trichlorobenzene	120-82-1	49	1.42E-03	5.8054E-02	3.9599E-02	8.4033E-06	1356	NA
1,1,1-Trichloroethane	71-55-6	1290	1.72E-02	7.0319E-01	6.4817E-02	9.5990E-06	43.89	NA
1,1,2-Trichloroethane	79-00-5	4590	8.24E-04	3.3688E-02	6.6890E-02	1.0026E-05	60.7	NA
Trichloroethene (TCE) (Trichloroethylene)	79-01-6	1280	9.85E-03	4.0270E-01	6.8662E-02	1.0221E-05	60.7	NA

# Test Poll #2

---

# Test Poll #2

---

Contaminants with solubility greater than 100 mg/L are considered mobile.

- A. True
- B. False

# Test Poll #2

---

Contaminants with solubility greater than 100 mg/L are considered mobile.

A. True

B. False

# Technical Justification for No Sampling of Ground Water



As per the applicable guidance, where ground water is not sampled during the investigation of a potentially contaminated AOC, and a ground water investigation may be warranted based on the considerations or other site-specific data, the technical justification for not performing a ground water site investigation should be provided in the applicable remedial phase report



# ARS Reporting



New Jersey Department of Environmental Protection  
Site Remediation and Waste Management Program

## ALTERNATIVE OR INTERIM REMEDIATION STANDARD AND/OR SCREENING LEVEL APPLICATION FORM

Date Stamp  
(For Department use only)

**NOTE:** This form shall be completed for all contaminants for which interim or alternative remediation standards are being implemented and/or requested for a site or area of concern for the ingestion-dermal exposure pathway, inhalation exposure pathway, migration to ground water exposure pathway, or indoor air vapor intrusion exposure pathway. This form is also used for development of interim or alternative vapor intrusion screening levels (ground water, soil gas, and rapid action level for indoor air), ecological risk-based remediation goals, and/or ecological risk management decision goals. The form shall be used regardless of whether Department pre-approval is required.

### 2. No Pre-Approval Required:

- ☐ Inhalation Alternative Soil Remediation Standard
  - ☐ Vegetative Cover
  - ☐ Organic Carbon Content of Soil
  - ☐ Depth of Contamination
- ☐ Migration to Ground Water Alternative Soil Remediation Standard
  - ☐ Soil-Water Partition Equation (SWPE) except when site-specific DAF is proposed
  - ☐ Synthetic Precipitation Leaching Procedure (SPLP) except when site-specific DAF is proposed
  - ☐ Organic Carbon Content of Soil
  - ☐ Narrative Standards
    - ☐ Immobile Chemicals
    - ☐ Site Soil and Ground Water Data Evaluation
- ☐ Vapor Intrusion Alternative Screening Level
  - ☐ Ground Water
  - ☐ Soil Gas
  - ☐ Rapid Action Level for Indoor Air
- ☐ Development of Interim Vapor Intrusion Screening Level
- ☐ Alternative Ecological Screening Criteria

# Department Calculators



## Tips for Using NJDEP Remediation Standards Calculators

Please see the below conditions and suggestions, to avoid errors when using the Department's various calculators:

- Be sure to use the most updated version of Microsoft Excel and use the downloaded application, not web-based version.
- Close all other Excel files before using the calculator to develop an ARS.
- Be sure to enable macros.
- Do not copy and paste data into the calculator, but rather enter the data manually.
- Capture data output prior to saving or printing (e.g., take a screenshot).
- If you want to save the calculator with your inputs to refer to later, rename and save as the file as a .xlsx document to disable macros and ensure that the data remains uncorrupted. Note that the user will be unable to re-enable macros and this should only be used to hold data sets for reference. Entering new data for calculations will not be possible.

### Inhalation Exposure Pathway Calculator

- When entering depth of contamination, convert the units to centimeters.

### PFAS SPLP Calculator

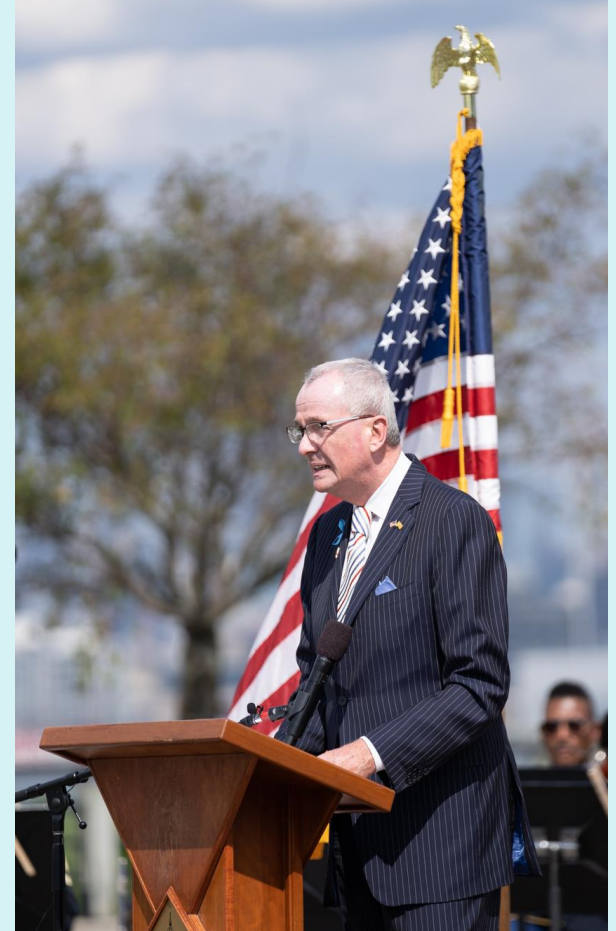
- Laboratory-specific aqueous and soil reporting limits must be entered.

# Common Deficiencies cont.



7:26E-5.1(e): The person responsible for conducting the remediation shall treat or remove free product and residual product to the extent practicable, or contain free product and residual product when treatment or removal is not practicable. Monitored natural attenuation of free product is prohibited.





Thank you!



# Hot Topics

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June 4, 2024



# Questions?



# Administrative Remedial Action Permit (RAP) Approval Letters

June 4, 2024





Nicole Lelievre, Supervisor  
Bureau of Case Assignment and Initial Notice




# Types of Administrative RAP Approval Letters



 <b>New Jersey Department of Environmental Protection</b> Contaminated Site Remediation & Redevelopment	<b>REMEDIAL ACTION PERMIT MODIFICATION APPLICATION – SOIL</b>	Date Stamp (For Department use only)
<b>SECTION A. SITE NAME AND LOCATION</b>		
Site Name: _____		
List All AKAs: _____		
Street Address: _____		
Municipality: _____	(Township Borough or City)	
County: _____	Zip Code: _____	
Program Interest (PI) Number(s): _____		
Remedial Action Permit Number(s): _____		
Municipal Block(s) and Lot(s) of the entire site: _____		
Is this site a Federal case?..... <input type="checkbox"/> Yes <input type="checkbox"/> No		
If "Yes," indicate the Federal Case Type:		
<input type="checkbox"/> RCRA GPRA 2020 <input type="checkbox"/> CERCLA/NPL <input type="checkbox"/> USDOD <input type="checkbox"/> USDOE		
<input type="checkbox"/> Other (explain): _____		
<b>SECTION B. SOIL REMEDIAL ACTION PERMIT MODIFICATION APPLICATION</b>		
<b>Note:</b> This Soil Remedial Action Permit (RAP) Modification Application may not be processed until all RAP annual fees, including any past due fees, have been paid in full, and all previously required RAP Transfer/Change of Property Ownership Applications have been submitted.		
1. Reason(s) for the Soil RAP Modification Application: (check all that apply)		
<input type="checkbox"/> Change in institutional control (Complete All Sections below except Section H)		
<input type="checkbox"/> Change in engineering control (Complete All Sections below)		
<input checked="" type="checkbox"/> Permittee address change (Complete Sections C, D, E, F, L, M, and N below)		
<input type="checkbox"/> Adding an Additional Person Responsible for Conducting Remediation to the Soil RAP (Complete Sections C, D, E, F, H, L, M, N and Addendum A below)		
<input type="checkbox"/> Other: _____		
2. The Soil RAP Modification Application fee must be enclosed with this application.		
Effective on or Before June 30, 2023 Effective July 1, 2023		
Soil RAP Fee – Modification .....\$1,155.00 .....\$1,320.00		
<b>SECTION C. FEE BILLING CONTACT PERSON</b>		
Business Name: _____		
First Name of Contact: _____	Last Name of Contact: _____	
Title: _____		
Phone Number: _____	Ext.: _____	Fax: _____
Mailing Address: _____		
Municipality: _____	State: _____	Zip Code: _____
Email Address: _____		
Remedial Action Permit Modification Application – Soil Version 1.7 06/05/2023		
Page 1 of 10		

 <b>New Jersey Department of Environmental Protection</b> Contaminated Site Remediation & Redevelopment	<b>REMEDIAL ACTION PERMIT MODIFICATION APPLICATION – GROUND WATER</b>	Date Stamp (For Department use only)
<b>SECTION A. SITE NAME AND LOCATION</b>		
Site Name: _____		
List All AKAs: _____		
Street Address: _____		
Municipality: _____	(Township Borough or City)	
County: _____	Zip Code: _____	
Program Interest (PI) Number(s): _____		
Remedial Action Permit Number(s): _____		
Municipal Block(s) and Lot(s) of the entire site: _____		
Is this site a Federal case?..... <input type="checkbox"/> Yes <input type="checkbox"/> No		
If "Yes," indicate the Federal Case Type:		
<input type="checkbox"/> RCRA GPRA 2020 <input type="checkbox"/> CERCLA/NPL <input type="checkbox"/> USDOD <input type="checkbox"/> USDOE		
<input type="checkbox"/> Other (explain): _____		
<b>SECTION B. GROUND WATER REMEDIAL ACTION PERMIT MODIFICATION APPLICATION</b>		
<b>Note:</b> This Ground Water Remedial Action Permit (RAP) Modification Application may not be processed until all RAP annual fees, including any past due fees, have been paid in full, and all previously required RAP Transfer/Change of Property Ownership Applications have been submitted.		
1. Reason(s) for the Ground Water RAP Modification Application: (check all that apply)		
<input type="checkbox"/> Change in the Classification Exception Area (CEA) for the site (Complete All Sections below except Section H)		
<input type="checkbox"/> Change in the Ground Water Monitoring Plan for the site (Complete All Sections below except Section H)		
<input type="checkbox"/> Change from Active Remedy to Monitored Natural Attenuation (MNA) or MNA to an Active Remedy (Complete All Sections below)		
<input type="checkbox"/> Change in the Vapor Intrusion (VI) Long-Term Monitoring (LTM) Plan or the VI Change in Use Evaluation Plan, or both for the site (Complete All Sections below except Section H)		
<input type="checkbox"/> Change in the Operation, Maintenance, and Monitoring (OMM) Plan for the vapor intrusion engineering control(s)/mitigation system(s) that are currently in place for the site (Complete All Sections below)		
<input type="checkbox"/> Change in the OMM Plan for the Point of Entry Treatment (POET) water system(s) that are currently in place for the site (Complete All Sections below)		
<input checked="" type="checkbox"/> Permittee address change (Complete Sections C, D, E, F, L, M, and N below)		
<input type="checkbox"/> Adding an Additional Person Responsible for Conducting Remediation to the Ground Water RAP (Complete Sections C, D, E, F, H, L, M, N, and Addendum A below)		
<input type="checkbox"/> Subdivision of an existing Ground Water RAP (Complete Sections C, D, E, F, H, I, J, L, M, and N below)		
<input type="checkbox"/> Other: _____		
Remedial Action Permit Modification Application - Ground Water Version 1.7 06/05/2023		
Page 1 of 9		

 <b>New Jersey Department of Environmental Protection</b> Contaminated Site Remediation & Redevelopment	<b>REMEDIAL ACTION PERMIT TRANSFER/CHANGE OF PROPERTY OWNERSHIP APPLICATION</b>	Date Stamp (For Department use only)
<b>SECTION A. SITE NAME AND LOCATION</b>		
Site Name: _____		
List All AKAs: _____		
Street Address: _____		
Municipality: _____	(Township Borough or City)	
County: _____	Zip Code: _____	
Program Interest (PI) Number(s): _____		
Remedial Action Permit Number(s): _____		
Municipal Block(s) and Lot(s) of the entire site: _____		
Is this site a Federal case?..... <input type="checkbox"/> Yes <input type="checkbox"/> No		
If "Yes," indicate the Federal Case Type:		
<input type="checkbox"/> RCRA GPRA 2020 <input type="checkbox"/> CERCLA/NPL <input type="checkbox"/> USDOD <input type="checkbox"/> USDOE		
<input type="checkbox"/> Other (explain): _____		
<b>SECTION B. REMEDIAL ACTION PERMIT TRANSFER/CHANGE OF PROPERTY OWNERSHIP APPLICATION FEES</b>		
<b>Note:</b> This Remedial Action Permit (RAP) Transfer/Change of Property Ownership Application may not be processed until all RAP annual fees, including any past due fees, have been paid in full, and all previously required RAP Modification Applications have been submitted.		
The RAP Transfer/Change of Property Ownership Application fee must be enclosed with this application.		
<b>Select One</b>		
Effective on or Before June 30, 2023 Effective July 1, 2023		
<input type="checkbox"/> Ownership Change – Soil RAP .....\$630.00 .....\$550.00		
<input type="checkbox"/> Ownership Change – Ground Water RAP, MNA .....\$630.00 .....\$440.00		
<input type="checkbox"/> Ownership Change – Ground Water RAP, Active System .....\$630.00 .....\$440.00		
<b>SECTION C. FEE BILLING CONTACT PERSON*</b>		
Name of Organization / Affiliation: _____		
First Name of Contact: _____	Last Name of Contact: _____	
Mailing Address: _____		
City/Town: _____	State: _____	Zip Code: _____
Email Address: _____		
Telephone Number: _____	Ext.: _____	FAX: _____
Remedial Action Permit Transfer/Change of Property Ownership Application Version 2.9 06/05/2023		
Page 1 of 7		

# Processing of Administrative RAP Approval Letters



- Applications must be administratively complete
  - This includes the Remediation Cost Review Form if applicable
  - Financial Assurance (FA) is now being reviewed by the Fund Management Section
- New RAP activities will not be created for administrative RAP applications

# Tracking Administrative RAP Applications



The screenshot shows the NJDEP DataMiner website. The header features the NJDEP logo and the text 'DEP DataMiner'. Below the header is a navigation bar with links for 'Home', 'Search', 'Contact', and 'Help'. The main content area is divided into two columns. The left column, titled 'Introduction to NJDEP DataMiner', contains three paragraphs of text. The right column, titled 'Search Options', contains three blue buttons: 'Search by Site', 'Search by Category', and 'Search Published Documents'. Each button has a small question mark icon to its right. The 'Search by Site' button is circled in red.

## DEP DataMiner

Home Search Contact Help

### Introduction to NJDEP DataMiner

Within **NJDEP DataMiner ver. 3**, you will find a variety of reports that will provide you with up to the minute results. In order to provide flexibility, many of these reports require the user to enter some criteria, which will result in a customized document.

The NJDEP is dedicated to making environmental information readily available to our constituents while maintaining user confidence in the data. The information provided within NJDEP DataMiner and the viewing experience will continue to expand and improve as we work towards providing our constituents with an informative and easy-to-use environment.

The information contained in this site is the best available according to the procedures and standards of each of the contributing programs. The Department's programs are regularly maintaining the information in their databases, in order to maintain the quality and timeliness of the data. However, unintentional inaccuracies may occur. The Department has made every effort to present the information in a clear and understandable way for a variety of users. However, we cannot be responsible for the misuse or misinterpretation of the information presented by this system. Therefore, under no circumstances shall the State of New Jersey be liable for any actions taken or omissions made from reliance on any information contained herein from whatever source nor shall the State be liable for any other consequences from any such reliance.


### Search Options

**Search by Site** ?

**Search by Category** ?

**Search Published Documents** ?

# Tracking Administrative RAP Applications cont.



Location Name **ID** Advanced

**Search by ID**

Find the Sites or Certified/Licensed Individuals regulated by NJDEP based on ID Number and corresponding NJDEP Program. Use either Program/Program Interest ID or Program/Alternate ID and obtain inspection results, status of permit applications/registrations, and other environmental information.

**Search Criteria:**

Program

ID

☒ Program Interest

☐ Alternate

**Include in Results:**

☐ All Regulated Entities

☒ Sites Only

☐ Licenses/Certifications/Regulated Individuals Only



# Tracking Administrative RAP Applications cont.



DEP DataMiner

Home Search Contact Help

Home > Search By Site > Search Results

Program

PI ID	Name	Active?	Address	Municipality	Zip Code	Type	Reports
Site Remediation							
007033	RT 27 WELL	Y	1816 LINCOLN HWY		NJ 08817	SRP-PI	Case Tracking Tool 



# Tracking Administrative RAP Applications cont.



Case Tracking Tool by Selected PI Number

Export as

PDF

Excel

«

1

2

Task	Due Date	Received/ Completed Date
Issue Final Decision	6/7/2022	2/8/2022
LSRP Dismissal Form Received	11/1/2022	11/1/2022
LSRP Retention Form Received	12/16/2022	11/7/2022
Remedial Action Protectiveness/Biennial Certification Form Submitted	10/19/2023	1/23/2024
Remedial Action Protectiveness/Biennial Certification Form to be Reviewed	1/23/2024	
Ground Water RAP Modification Application (Administrative Change) Received	4/10/2024	3/18/2024
Receive Response to Notice of Administrative Deficiency (NAD)	5/19/2024	4/10/2024
Submit a Remedial Action Protectiveness/Biennial Certification Form	10/19/2025	
Submit a Remedial Action Protectiveness/Biennial Certification Form	10/19/2027	
Submit a Remedial Action Protectiveness/Biennial Certification Form	10/19/2029	
Submit a Remedial Action Protectiveness/Biennial Certification Form	10/19/2031	
Submit a Ground Water Remedial Action Permit Application (Modification or Termination)	11/12/2032	

# Tracking Administrative RAP Applications cont.



PI# 1007445 - RAP Transfer/Change of Property Ownership Application (Soil) - BCAIN Administrative RAP Application Approval Letter

To: [Redacted]  
Cc: [Redacted]

BCAIN Adm RAP Approval Letter.pdf  
161 KB


😊 Reply Reply All → Forward Tj ...

Wed 5/8/2024 4:04 PM

The New Jersey Department of Environmental Protection (Department) acknowledges receipt on April 19, 2024, of a Remedial Action Permit (RAP) Transfer/Change of Property Ownership Application submitted for the above referenced case pursuant to the Administrative Requirements for the Remediation of Contaminated Sites (ARRCS), N.J.A.C. 7:26C, and the Technical Requirements for Site Remediation, N.J.A.C. 7:26E. This correspondence amends RAP230001 issued on 01/12/2024, which remains in full force and effect, by updating the co-permittee(s) that were listed on that RAP. The Department has updated our computer database with this information. This correspondence should be attached to RAP230001 and be maintained as part of your environmental records for the above referenced site.

# Tracking Administrative RAP Applications cont.



  
**State of New Jersey**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
CONTAMINATED SITE REMEDIATION & REDEVELOPMENT  
Enforcement & Information Support Element  
Bureau of Case Assignment & Initial Notice  
401 East State Street  
P.O. Box 420, Mail Code 401-05H  
Trenton, New Jersey 08625-0420  
Tel. (609) 292-2943

**PHILIP D. MURPHY**  
Governor

**TAHESHA L. WAY**  
Lt. Governor

**SHAWN M. LATOURETTE**  
Commissioner

May 8, 2024

[REDACTED]

Administrative Remedial Action Permit Application Approval Letter

Re: Soil Remedial Action Permit Application  
Case Name: [REDACTED]  
Address: [REDACTED]  
Municipality: [REDACTED]  
County: [REDACTED]  
SRP PI #: [REDACTED]  
Activity Ref. #: RAP230001

Dear [REDACTED]:

The New Jersey Department of Environmental Protection (Department) acknowledges receipt on April 19, 2024, of a Remedial Action Permit (RAP) Transfer/Change of Property Ownership Application submitted for the above referenced case pursuant to the Administrative Requirements for the Remediation of Contaminated Sites (ARRCS), N.J.A.C. 7:26C, and the Technical Requirements for Site Remediation, N.J.A.C. 7:26E. This correspondence amends RAP230001 issued on 01/12/2024, which remains in full force and effect, by updating the co-permittee(s) that were listed on that RAP. The following co-permittee(s) are now listed for the RAP:

Page 1 of 2

Person Responsible for Conducting the Remediation - Co-Permittee:

[REDACTED]


Property Owner - Co-Permittee:

[REDACTED]

The Department has updated our computer database with this information. This correspondence should be attached to RAP230001 and be maintained as part of your environmental records for the above reference site.

Please contact [REDACTED] with the Bureau of Case Assignment and Initial Notice at [REDACTED] or [REDACTED] with any questions or concerns on the matter.

Sincerely,



Nicole Lelievre, Supervisor  
Bureau of Case Assignment & Initial Notice

cc: City Clerk (via email)  
City Health Department (via email)  
County Clerk (via email)  
County Health Department (via email)

[REDACTED]

Page 2 of 2

# Transfer/Change of Property Ownership Form



## SECTION I. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation:

Representative First Name:

Representative Last Name:

Title:

Phone Number:

Ext:

Fax:

Mailing Address:

City/Town:

State:

Zip Code:

Email Address:

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

*I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.*

Signature:

Date:

Name/Title:



# Financial Assurance for Transfer RAP Applications



- If the PRCR/former property owner had an exemption for posting FA, that exemption is no longer applicable now that the entity does not own the property
- FA must now be posted and a Remediation Cost Review form and original FA mechanism should be submitted
- Either party may post FA. It can be the PRCR or the new property owner

# Supplemental Certification for Initial Soil RAPs



PI#022553 Confirmation of receipt of Supplemental Certification for Initial...

WE

Elizabeth.Williams@dep.nj.gov

To

[Redacted]

Cc

csrr\_brap\_sumbmissions@dep.nj.gov; [Redacted]

😊

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Tue 1:29 PM

The New Jersey Department of Environmental Protection (Department) acknowledges receipt on May 3, 2024, of the LSRP Supplemental Certification for Initial Soil Remedial Action Permit (RAP) Application submitted for the above referenced Program Interest Number.

# Frequent Administrative Issues



- A standalone copy of the Deed Notice was not submitted
- The property owner listed on the form does not match current tax records
- C/O is listed in the PRCR or property owner's name or address
- The CEA/WRA Fact Sheet was submitted without the associated mapping. These include the Site Location Maps, CEA Map, and Cross Section Figure
- Annual RAP Fees have not been paid
- All files can be emailed to [srp\\_submissions@dep.nj.gov](mailto:srp_submissions@dep.nj.gov)

# BCAIN Administrative RAP Approval Letters



**PHILIP D. MURPHY**  
Governor

**TAHESHA L. WAY**  
Lt. Governor

  
**State of New Jersey**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
CONTAMINATED SITE REMEDIATION & REDEVELOPMENT  
Enforcement & Information Support Element  
Bureau of Case Assignment & Initial Notice  
401 East State Street  
P.O. Box 420, Mail Code 401-05H  
Trenton, New Jersey 08625-0420  
Tel. (609) 292-2943

**SHAWN M. LATOURETTE**  
Commissioner

April 17, 2024

Administrative Remedial Action Permit Application Approval Letter

Re: Ground Water Remedial Action Permit Application  
Case Name: [REDACTED]  
Address: [REDACTED]  
Municipality: [REDACTED]  
County: [REDACTED]  
SRP PI #: [REDACTED]  
Activity Ref. #: RAP210001

Dear [REDACTED]:

The New Jersey Department of Environmental Protection (Department) acknowledges receipt on March 18, 2024, of a Ground Water Remedial Action Permit (RAP) Modification Application submitted for the above referenced case pursuant to the Administrative Requirements for the Remediation of Contaminated Sites (ARRCS), N.J.A.C. 7:26C, and the Technical Requirements for Site Remediation, N.J.A.C. 7:26E. This correspondence amends RAP210001 issued on 02/08/2022, which remains in full force and effect, by updating the co-permittee(s) that were listed on that RAP. The following co-permittee(s) are now listed for the RAP:

Person Responsible for Conducting the Remediation - Co-Permittee:

[REDACTED]

Property Owner - Co-Permittee:

[REDACTED]

The Department has updated our computer database with this information. This correspondence should be attached to RAP210001 and be maintained as part of your environmental records for the above reference site.

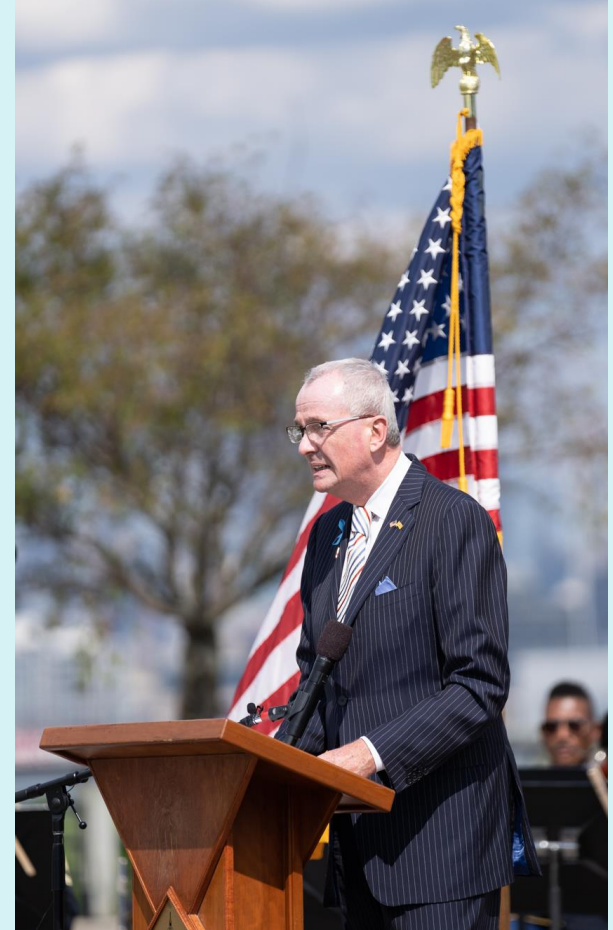
Please contact Elizabeth Williams with the Bureau of Case Assignment and Initial Notice at [Elizabeth.Williams@dep.nj.gov](mailto:Elizabeth.Williams@dep.nj.gov) or (609)940-4771 with any questions or concerns on the matter.

Sincerely,

Nicole Lelievre, Supervisor  
Bureau of Case Assignment & Initial Notice

cc: City Clerk (via email)  
City Health Department (via email)  
County Clerk (via email)  
County Health Department (via email)  
DANIEL D LATTANZI, LSRP (via email)





Thank you!





# Incident Follow-Up Guide in NJDEP Online Services

June 4, 2024



Case Inventory Document (CID)



**Scott Tyrrell, Section Chief**  
**Bureau of Information Systems**



# Incident Follow-Up Status Background



- Incidents are evaluated after they are called in, assigned to Programs, and given an appropriate Follow-up status
- Both the Confirmed Discharge Notification (CDN), and Case Inventory Document (CID) have restrictions placed on the incidents that can be used in each
- The restrictions are based on the Incident's' Follow-up status, which is set to indicate the disposition of an incident after it is called in

# Incident Follow-Up Status Accepted Values



- In order to run an online Confirmed Discharge Notification (CDN), the Incident's follow-up status must be 'Pending-LSRP'
- For Incidents with occurrence dates after 11/4/2009, in order to upload the Incident's Communication Center Number in a Case Inventory Document (CID), the Incident's follow-up status must be either 'LSRP-Central File', 'Portal-Central File' or 'Pending-UHOT'

# Confirmed Discharge Notification (CDN)



- The Following is a screenshot from the Incident Selection page of a test CDN

**COMMUNICATION CENTER OR INCIDENT NUMBER****1 - Instructions****2 - Incident Selection  
/ Incident Details**

Please enter your communication center number or Incident number that was provided by the NJDEP's hotline operator for the reported discharge. This page has been moved to the beginning of the service to assist in quickly determining if the incident may be used.

**3 - CDN Type  
Selection**

**NOTE:** If the communication center number was issued prior to March 2, 2002, this service cannot be used. Additional information about an incident can be found by running the Dataminer report 'Incidents by Communications Center Number', found in [Incidents](#). Incidents processed by the Site Remediation and Waste Management Program and identified as subject to the LSRP program have an incident follow-up status of 'Pending-LSRP', and can be used in this service. Incidents with other status' will return a specific red error message.

**4 - Facility Selection****5 - Submission Name**

This is a description of 'incident follow up status' that may appear in error messages above:

**6 - Location  
Confirmation**

Exempt, CEHA, ER-Referred, ER-Closed

The discharge may not require a CDN per Administrative Requirements for the Remediation of Contaminated Sites (ARRCS) rules 7:26C-1.4. Please click the [Help Link](#) on the upper right for more information.

**7 - Contacts****8 - Confirmed  
Discharge  
Notification (CDN)  
Details**

Pending UHOT

Referred to Unregulated Heating Oil Program. The RP can hire a Subsurface Evaluator an LSRP to oversee the work; however, submit the Remedial Action Report to the UHOT Program with the UHOT form and a base review fee of \$400. If complete Department will issue the NFA letter. Contact BCAIN if there are additional CAOCs and you wish to resolve the incident with an RAO.

**9 - Attachment  
Upload**

Portal-Central File

A CDN was previously filed for the incident.

**10 - Certification**

If the incident search identified one of the status above and the incident should be remediated by an LSRP, you must contact the Bureau of Case Assignment and Initial Notice at (609) 292-2943 before being able to continue.

**Please Note**

You may click on a previously visited page (above) to navigate back to that screen.

**Communication Center Number:**  (format: ##-##-##-####-##)

**OR**

**Incident Number:**

[Search](#)**Detailed Information**

**Incident Number:**

**Communication Center Number:**

**Incident Discharge Date:**

**Incident Address Location:**

**Incident Description:**

**County:**

**Municipality:**



## COMMUNICATION CENTER OR INCIDENT NUMBER

## 1 - Instructions

2 - Incident Selection  
/ Incident Details3 - CDN Type  
Selection

## 4 - Facility Selection

## 5 - Submission Name

6 - Location  
Confirmation

## 7 - Contacts

8 - Confirmed  
Discharge  
Notification (CDN)  
Details9 - Attachment  
Upload

## 10 - Certification

## Please Note

You may click on a previously visited page (above) to navigate back to that screen.

Please enter your communication center number or Incident number that was provided by the NJDEP's hotline operator for the reported discharge. This page has been moved to the beginning of the service to assist in quickly determining if the incident may be used.

**NOTE:** If the communication center number was issued prior to March 2, 2002, this service cannot be used. Additional information about an incident can be found by running the Dataminer report 'Incidents by Communications Center Number', found in [Incidents](#). Incidents processed by the Site Remediation and Waste Management Program and identified as subject to the LSRP program have an incident follow-up status of 'Pending-LSRP', and can be used in this service. Incidents with other status' will return a specific red error message.

This is a description of 'incident follow up status' that may appear in error messages above:

Exempt, CEHA, ER-Referred, ER-Closed

The discharge may not require a CDN per Administrative Requirements for the Remediation of Contaminated Sites (ARRCS) rules 7:26C-1.4. Please click the Help Link on the upper right for more information.

Pending UHOT

Referred to Unregulated Heating Oil Program. The RP can hire a Subsurface Evaluator an LSRP to oversee the work; however, submit the Remedial Action Report to the UHOT Program with the UHOT form and a base review fee of \$400. If complete Department will issue the NFA letter. Contact BCAIN if there are additional CAOCs and you wish to resolve the incident with an RAO.

Portal-Central File

A CDN was previously filed for the incident.

If the incident search identified one of the status above and the incident should be remediated by an LSRP, you must contact the Bureau of Case Assignment and Initial Notice at (609) 292-2943 before being able to continue.

Communication Center Number:  (format: ##-##-##-####-##)

OR

Incident Number:

[Search](#)

## Detailed Information

Incident Number: 694107

Communication Center Number: 22-10-11-1021-39

Incident Discharge Date: 10/11/2022

Incident Address Location: One Test Drive

Incident Description: This is where the incident description from the caller would go

County: Monmouth

Municipality: Asbury Park City

"I hereby verify that the Incident chosen is the Incident of record for this submittal. By choosing "Continue" I am verifying that this is the Incident for my Submittal."

# Confirmed Discharge Notification (CDN)



**Confirmed Discharge Notification (CDN), the Incident's follow-up status must be 'Pending-LSRP'**

- BCAIN Evaluates the Incident soon after it is called in
- If the discharge qualifies for the LSRP program the follow-up status will be set to 'Pending-LSRP'
- Once the follow-up status will be set to 'Pending-LSRP', a CDN can be filed
- After the CDN is filed online, the follow-up status is set to 'Portal-Central File'

# CDN – Other Follow-Up Status Values



- Exempt, CEHA, ER-Referred, ER-Closed

A CDN may not be not required per the Administrative Requirements for the Remediation of Contaminated Sites (ARRCS) rules at N.J.A.C. 7:26C-1.4

- If additional remediation is necessary, contact BCAIN at (609) 292- 2943 or [SRWM\\_NJEMS@dep.nj.gov](mailto:SRWM_NJEMS@dep.nj.gov) and request the incident be made Pending-LSRP, so a CDN can be filed as follows;

# Request Access to File a CDN for Incident Numbers per N.J.A.C. 7:26C-1.4



(d) Unless notified in writing by the Department that additional remediation is necessary, the person responsible for conducting the remediation of any of the following types of discharges is exempt from the requirements at N.J.A.C. 7:26C-2.3 to use the services of a licensed site remediation professional or to submit documents to the Department:

1. A petroleum surface spill, including mineral oil containing less than 50 parts per million of polychlorinated biphenyls from a transformer, of less than 100 gallons, that does not reach the waters of the State of New Jersey provided that:
  - i. Any contamination is remediated within 90 days after the occurrence of the spill; and
  - ii. The person responsible for conducting the remediation documents, at the time of the spill, his or her specific knowledge of the date and volume of the spill;
2. A discharge that results from a passenger motor vehicle accident; or
3. A discharge that the Department refers to its Bureau of Emergency Response, to the New Jersey Office of Emergency Management, or to a County Environmental Health Agency.

- You will need to contact BCAIN to change the status of any incident you want to file a CDN for that has these Follow-Up status values

# Case Inventory Document (CID)



	A	B	C	D	E	F	G	H
1	Case Name	Mixed-Use Building	IMPORTANT: 1) The CID must be <b>FINALIZED</b> prior to upload. After the CID has been populated, click the Validate					
2	PI #:	104868	Validate For Upload	2) You <b>MUST SAVE</b> after finalizing, and before upload. Click the Enable for Editing button after				
3	Activity #:	LSR120001	Enable Editing					
4	Case Inventory Document Version 1.5.1 02/04/21							
5	AOC ID	AOC Type	AOC Description	Confirmed Contamination			Status Achieved Date	Incident Communication Center #s Managed in
	1	Storage tank and appurtenance - Unregulated underground storage tank	AOC-1: Gasoline Oil UST	Yes			04/11/2024	24-03-10-1414-2
6	2	Environmental media - Media Air	AOC-2: Indoor Environmental Health	Undetermined		PA/SI	04/11/2024	
7	3	Other areas of concern - Electrical	AOC-3: Electrical Transformer	No		PA/SI	04/11/2024	

Microsoft Excel

Incident number is still **invalid.** (H6)

Make sure to save your document.

OK

136



# Case Inventory Document (CID)



	A	B	C	D	E	F	G	H
1	Case Name	Mixed-Use Building	<b>IMPORTANT:</b> 1) The CID must be <b>FINALIZED</b> prior to upload. After the CID has been populated, click the Validate For Upload button.					
2	PI #:	104868	Validate For Upload	2) You <b>MUST SAVE</b> after finalizing, and before upload. Click the Enable for Editing button after.				
3	Activity #:	LSR120001	Enable Editing					
4	Case Inventory Document Version 1.5.1 02/04/21							
5	AOC ID	AOC Type	AOC Description	Confirmed Contamination	Exclude AOC from Billing	AOC Status Achieved	Status Achieved Date	Incident Communication Center #s Managed in
	1	Storage tank and appurtenance - Unregulated underground storage tank	AOC-1: Gasoline Oil UST	Yes		PA/SI	04/11/2024	24-03-10-1414-21
6	2	Environmental media - Media Air	AOC-2: Indoor Enivronmental Health	Undetermined		PA/SI	04/11/2024	
7	3	Other areas of concern - Electrical	AOC-3: Electrical Transformer	No		PA/SI	04/11/2024	

# Case Inventory Document (CID) – Incident Occurrence Dates after 11/4/2009



**For incidents with occurrence dates after 11/4/2009, the incident's follow-up status must be either 'LSRP-Central File', 'Portal-Central File' or Pending-UHOT, in order to be uploaded in a CID.**

- Incidents with 'Pending-UHOT' may only be used when a UHOT NFA will not be sought, there is another Contaminated AOC, and the UHOT incident will be issued an RAO with the other Contaminated AOC(s), or an Entire Site RAO will be issued
- An Incident with 'Portal-Central File' had an online CDN filed for it
- An Incident with 'LSRP-Central File' had a paper CDN filed for it, or it was accepted into the LSRP program by BCAIN (some Emergency Response incidents are given this status)

# Case Inventory Document (CID) – Incident Occurrence Dates after 11/4/2009



## **Incidents with occurrence dates between March 2002 and 11/4/2009**

- Incidents must have an incident program of 'Site Remediation' in order to be uploaded in a CID

## **Incidents with occurrence dates before March 2002**

- The CID upload process ensures the Incident communications Center number is in an acceptable format, as outlined in the Listserv:

[https://www.nj.gov/dep/srp/srra/listserv\\_archives/2019/20190220\\_srra.html](https://www.nj.gov/dep/srp/srra/listserv_archives/2019/20190220_srra.html)

# Case Inventory Document (CID) – Incident Occurrence Dates after March 2002



- Original Incident Numbers issued before 1991 were in the format YY-MM-DD-HHMM
- Original Incident numbers issued from 1991 to 1997 did not include leading zeros for single-digit months and days. These zeros need to be added so that the current system can recognize the Incident Number. For example, an Incident Number that appears as "95-1-3-1842-02" needs to be entered as "95-01-03-1842-02"
- Incident Numbers issued from 1991 to present included seconds in the format YY-MM-DD-HHMM-SS and seconds need to be included
- Incident Numbers that have Enforcement Region designations that either replaced minutes or seconds or had a letter appended will still be accepted. For example, 93-06-07-SP01N, 85-12-04-04M, 90-10-19-1304N. If the LSRP has both the original Incident Number and the Enforcement Region modified value, the Department prefers the original Incident Communication Center Number

# Searching for the Incident Follow-Up Status and Determining Valid Incident Formats



- DataMiner and OPRA can be used to find valid Incident Communication Center Number (Incident Numbers)
- All Incident Numbers with an occurrence date after March 2002, should be checked in DataMiner before including them in a CID
- Open NJDEP DataMiner <https://njems.nj.gov/DataMiner>, and Click Search by Category. Choose the Report Category 'Incidents and Complaints'. Run the report



# Searching for the Incident Follow-Up Status and Determining Valid Incident Formats



Enter an Incident Numbers you would like to use in the CID column 'Incident Communication Numbers Managed in Case'

### Incidents by Communications Center Number

This report displays incident information for a particular Communications Center Number. Reports and complaints are made to the DEP through a variety of sources, including regulated facilities and members of the public. Please note that these reports are subject to verification and/or investigation by the DEP or other appropriate agencies.

Enter your Communications Center  
(format ##-##-##-####-##):

☒ View Report by Pages

Submit

This is what page 2 of the report normally looks like

Incident ID Number:

County: Bergen

Municipality: HAWORTH BORO

Incident Description: THIS IS A DRILL.....AIR RELEASE IS DUE TO DAMAGE TO AN 8 INCH MAIN BY A CONTRACTOR. REPAIRS ARE IN PROGRESS.....THIS IS A DRILL

Incident Program: Site Remediation

Incident Type: Drill

Follow-up Status: Portal-Central File

Program Interest Name: SRP UST WEB TEST PI TEST NC

Program Interest Number: 164220

Most Recent Compliance Evaluation:

Most Recent Enforcement Action:

Linked Incidents	Linked Incident Program	Linked Incident Type	Linked Incident Followup Status
	Communication Center	Drill	143

# Searching for the Incident Follow-Up Status and Determining Valid Incident Formats – Other Follow-Up Status Values



- UHOT-Central File

An NFA has been issued for the Incident #. The NFA is a final remediation document, so the incident does not normally belong in the 'Incident Communication #s Managed in Case' column of the CID. If the UHOT AOC must be listed on the CID, the Incident # can be referred to in the Activity Column of the CID.

- Referred

This is normally a referral to the Receptor Survey Team of a verified off-site source for offsite source investigation.

- The Referred, verified off-site source incident# should only be in, and described, in the Activity Column of the CID, and in the RAO off-site source notice
- Note that for verified off site source incidents, the initial call in Incident# from when the contamination was first found on-site should be in the 'Incident Communication #s Managed in Case' column of the CID, and the 'Communication Center #' item in the RAO
- See this listserv for more detail of how to handle the Referred Incident # in the CID:  
[https://www.nj.gov/dep/srp/srra/listserv\\_archives/2019/20190220\\_srra.html](https://www.nj.gov/dep/srp/srra/listserv_archives/2019/20190220_srra.html)

# Values Searching for the Incident Follow-Up status and Determining Valid Incident Formats – DataMiner Alternate IDs



- Open NJDEP DataMiner <https://njems.nj.gov/DataMiner>, and Click Search by Category. Choose the Report Category 'Site Remediation'. Click Submit
- Choose 'Alternate IDs for selected PI' in the Sites and Cases Category
- Enter PI Number
- Note that not all Incident Numbers shown are correct or complete but are generally good.

**Known Alternate Identifiers for TEST OIL CORP, PI Number: 164220**

Case Name	Case Activity Number
TEST OIL CORPORATION	LSR120001

Current LSRP	Current LSRP's License Number	Date Retained
SAMMNEY TODD	573999	1/13/2015
RON MCPRYERSTONE	573888	12/29/2022

Alternate ID Type	Alternate ID	Alternate ID Name (if applicable)	Description
Incident Number	15-05-05-1537-01	475 FRELING ST	U.S.T.: SOIL CONTAMINATION FOUND DURING REMOVAL OF CONCRETE IN AREA.ALSO 1-500 GALLON TANK FOUND. COMPANY IS DOING REMEDIATION AND PAPER WORK FOR REMOVAL.
Incident Number	97-11-15-1054-08	470-478 FRELING ST	SPILL CLEANUP ONGOING
ISRA/ECRA Number	E20020629	TEST OIL CORP	
ISRA/ECRA Number	E98885		



# Searching for the Incident Follow-up status and Determining Valid Incident Formats - OPRA



- If nothing was found in DataMiner, OPRA may be able to find the incident# <https://www.nj.gov/dep/opra/opraform.html> with the location information

Governor Phil Murphy • Lt. Governor Tahesha Way  
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OPRA | Open Public Records Act

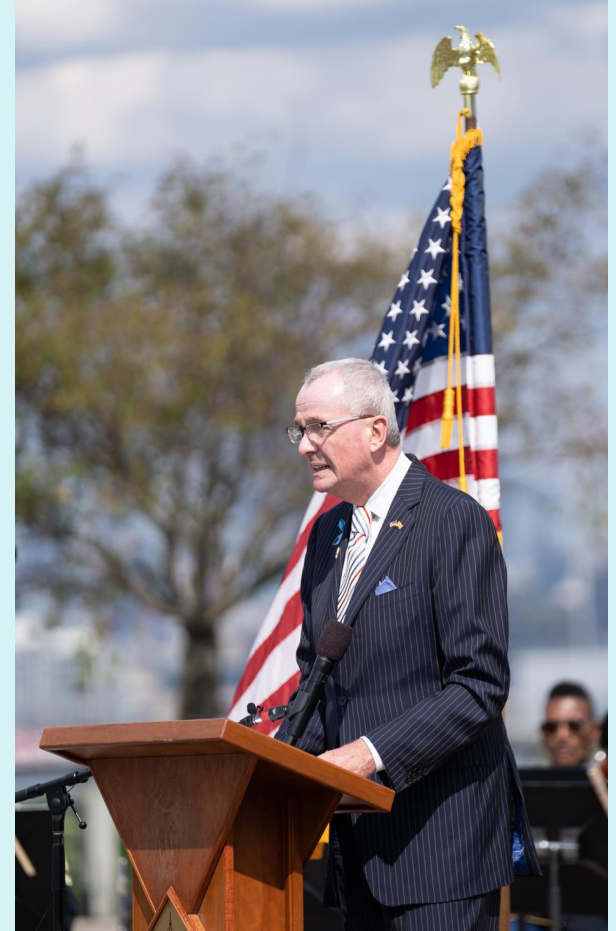
In accordance with the Open Public Records Act, NJDEP makes available its public records through formal requests to the Department's Office of Record Access. Requests may be submitted in writing by submitting a paper "[records request form](#)" or by completing the online form below.

### Online OPRA Record Request Form

Pursuant to N.J.A.C. 7:1D-3.2, the items below that are marked by a \* are required for requesting Department records. By completing as many of the other form fields as possible, you will expedite your request and enable the Department to more precisely satisfy the request.

**Requester Information:**  
To increase the Department's ability to correspond and respond to your record request, please complete as much applicable information as possible.

First Name*:	<input type="text"/>
Middle Initial:	<input type="text"/>
Last Name*:	<input type="text"/>
Affiliation/Company*:	<input type="text"/>
Street Address 1*:	<input type="text"/>



Thank you!





# Attainment Guidance and Delineation

June 4, 2024



**Greg Neumann, Research Scientist**  
**Bureau of Environmental Evaluation and Risk Assessment**  
**Chairman, Attainment Committee**



# Delineation – Delineation – Delineation



- One of the most frequent issues the DEP encounters during Attainment reviews is insufficient documentation regarding full delineation
- In order to utilize compliance averaging methods (Arithmetic Mean, 95% UCL, Spatially Weighted Avg (SWA), “ during the RI phase, complete horizontal and vertical delineation using single point compliance must be completed” as per Sections A1.0 (Amean), A2.0 (95%UCL), and A3.0 (SWA)

# Delineation – Regulatory Requirements



- Delineation to the RSRS and/or NRSRS, and SRS-MGW is required pursuant to N.J.A.C. 7:26E-4.2 (a) 1., 2., and 3.
- As per the NJDEP January 2020 Policy Statement – *Interpretation of the Technical Requirements for Site Remediation requirement to “complete the remedial investigation.”*

If the remedial investigation does not include actual clean zone sampling data to demonstrate contaminant delineation to the applicable remediation standards and screening criteria, such sampling data are required to demonstrate attainment of the applicable remediation standards at the conclusion of the remedial action and prior to the Department issuing a remedial action permit, if applicable, and issuance of the Response Action Outcome (RAO).

- What does this mean? Compliance averaging is a remedial action – complete delineation on sample x sample basis is required to utilize it

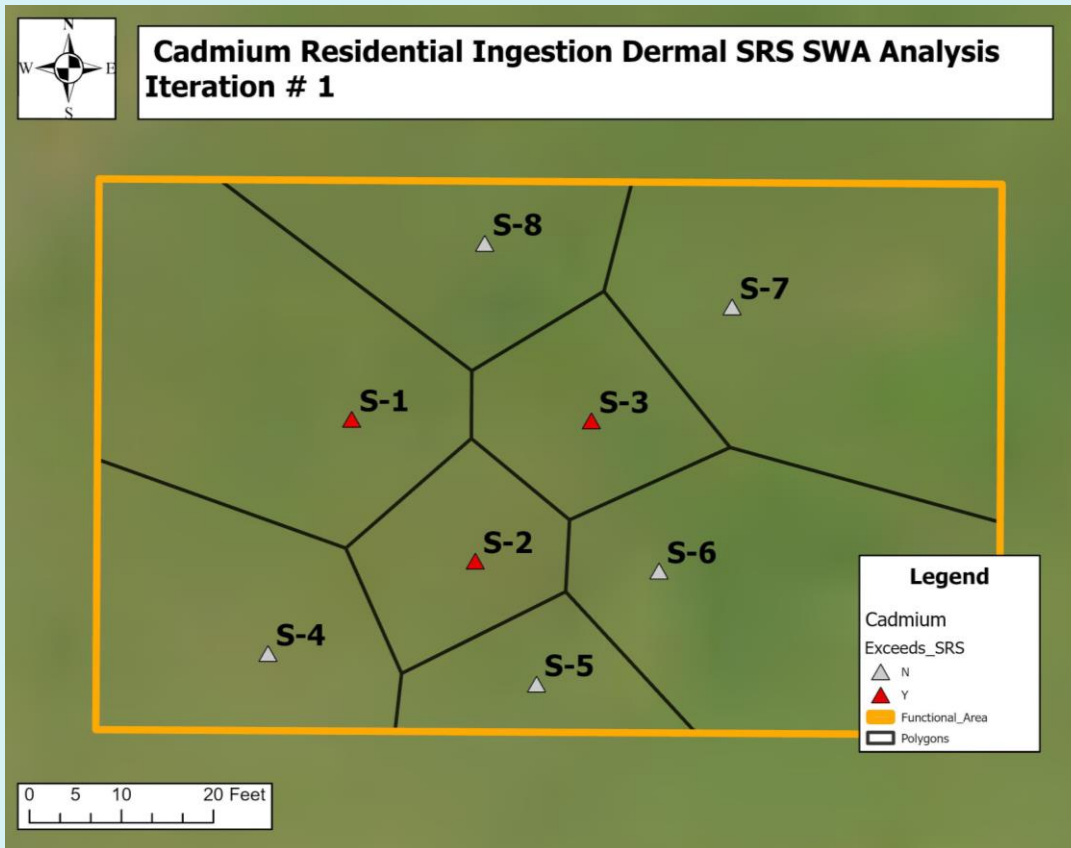


# Delineation is Critical When Using Compliance Averaging



- Delineation is critical to ensure that the concentrations being averaged accurately reflect what the receptor is being exposed to
- Sample points that are not delineated represent an “unknown” and one cannot assume the contaminant concentration decreases
- Environmental data does not always follow typical gradients. Preferential pathways may cause sample concentrations to increase in the direction opposite from the discharge location. Incomplete delineation may exclude data points from the calculation resulting in an inaccurate final calculated value
- Unlike other remedies (i.e., excavation) where post-remediation sampling can be used to address contamination that is not delineated; there is **no** follow up sampling conducted when using compliance averaging

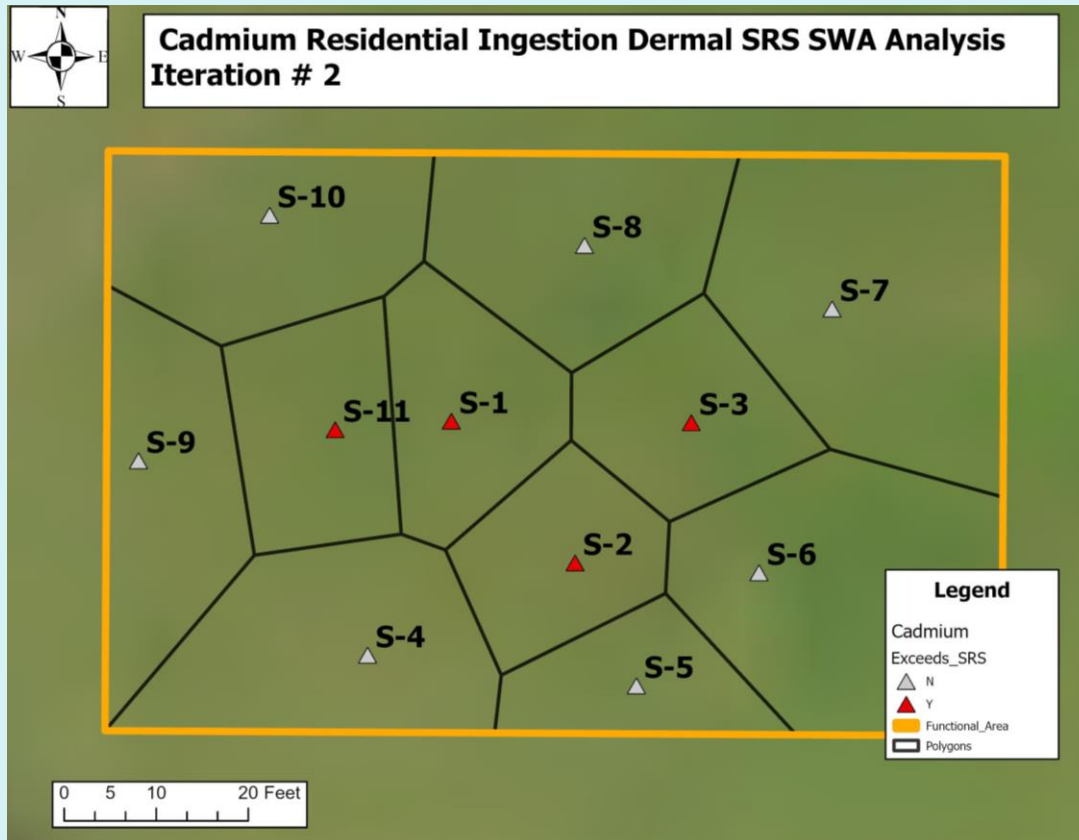
# Delineation is Critical When Using Compliance Averaging



Samp Id	Depth	Cd (mg/kg)	X Coord	Y Coord	Shape Area (sq/ft)	Percent Area	Weighted Value
S-1	1.5-2	145	438782.9	248692.1	1130.935587	19.24%	27.89098776
S-2	1.5-2	165	438796.3	248676.7	366.9548647	6.24%	10.29804099
S-3	1.5-2	150	438808.9	248691.9	404.0726732	6.87%	10.30881539
S-4	1.5-2	35	438773.8	248666.6	745.0602966	12.67%	4.435243702
S-5	1.5-2	25	438803	248663.3	303.3672272	5.16%	1.289931633
S-6	1.5-2	22	438816.3	248675.6	1166.831409	19.85%	4.366051099
S-7	1.5-2	30	438824.2	248704.3	1227.383772	20.88%	6.26267182
S-8	1.5-2	25	438797.3	248711.2	534.9155981	9.10%	2.274486133
Totals					5879.521428	100.00%	67.12622853

**SWA Passed 67.1 mg/kg < Ingestion-Dermal SRS 71**

# Delineation is Critical When Using Compliance Averaging



Sam Id	Depth	Cd (mg/kg)	X Coord	Y Coord	Shape Area (sq/ft)	Percent Area	Weighted Value
S-1	1.5-2	145	438782.9	248692.1	421.0357335	6.85%	9.933469015
S-2	1.5-2	165	438796.3	248676.7	366.9548647	5.97%	9.851686353
S-3	1.5-2	150	438808.9	248691.9	404.0726732	6.57%	9.861993749
S-4	1.5-2	35	438773.8	248666.6	657.4700444	10.70%	3.744191024
S-5	1.5-2	25	438803	248663.3	303.359481	4.94%	1.233989784
S-6	1.5-2	22	438816.3	248675.6	906.6015952	14.75%	3.245287244
S-7	1.5-2	30	438824.2	248704.3	947.1796741	15.41%	4.623465354
S-8	1.5-2	25	438797.3	248711.2	588.2313192	9.57%	2.392776505
S-9	1.5-2	69	438748.9	248687.8	519.5754019	8.45%	5.833264322
S-10	1.5-2	68	438763.1	248714.5	612.2726047	9.96%	6.774351448
S-11	1.5-2	350	438770.2	248691.2	419.1540711	6.82%	23.87018121
<b>Totals:</b>					<b>6145.907463</b>	<b>100.00%</b>	<b>81.36465601</b>

**SWA Failed 81.4 mg/kg > Ingestion-Dermal SRS 71**

# Delineation Documentation



- Reports with Areas of Concern (AOCs) addressed via compliance averaging need to contain AOC figures that clearly demonstrate complete horizontal/vertical delineation
- Figures that demonstrate complete delineation should already exist, as AOC specific maps/figures are required pursuant to N.J.A.C. 7:26E 1.6 (b)8

8. Maps and figures, with map scale and orientation, including:

- i. Site location, land use, receptor evaluation, and area of concern maps;
- ii. Sample location map(s), that include the following:
  - (1) Field identification numbers for all samples;
  - (2) Sample locations, sample depths and contaminant concentrations plotted on the map; and
  - (3) If data for more than 25 samples are presented for an area of concern, soil, ground water and sediment contaminant isopleth maps and cross section diagram(s), including the horizontal and vertical distribution of contaminants in each media, with sample point location numbers and contaminant concentrations; and

**Note:**  
contaminant  
concentrations  
plotted on  
map.

# Test Poll #3

---



# Test Poll #3

---

N.J.A.C. 7:26E 1.6 (b)8 requires the submission of maps/figures that document full delineation to include:

- A. Sample Locations
- B. Sample Depth and Contaminant Concentrations
- C. All of the Above

# Test Poll #3

---

N.J.A.C. 7:26E 1.6 (b)8 requires the submission of maps/figures that document full delineation to include:

- A. Sample Locations
- B. Sample Depth and Contaminant Concentrations
- C. All of the Above

# Delineation Documentation cont.

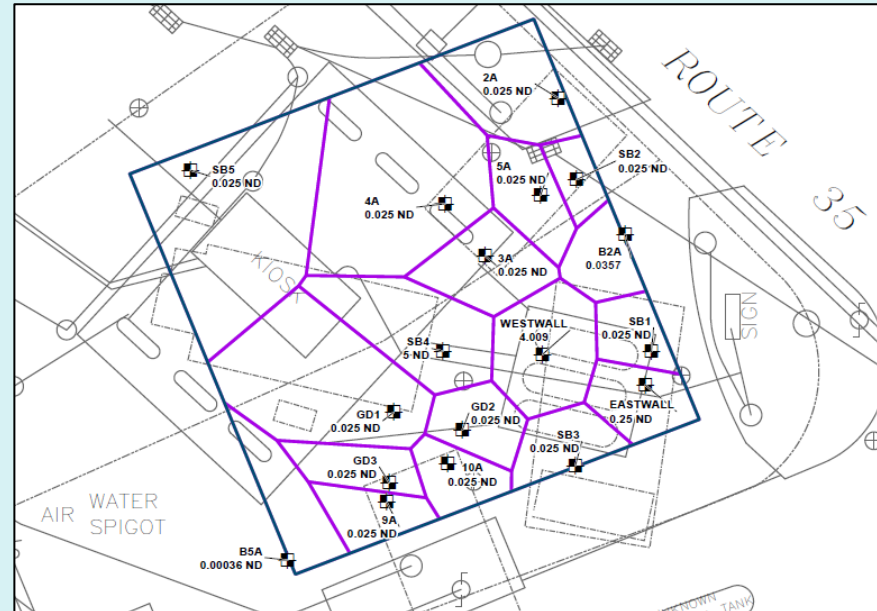


- Since figures showing complete delineation already exist, it would be **most helpful** to pull them into the report where compliance averaging is utilized
- If the figures are present in another document, then that document should be referenced and their location (section/page number) provided
- In instances where delineation is **not complete** on a sample x sample basis, and the investigator elects to implement compliance averaging, then a variance to 7:26E -4.2 must be proposed, along with a technical justification and information required pursuant to 7:26E 1.7 – Variance- as part of the report where compliance averaging is discussed

# Delineation – SWA Figures



- The figures generated as part of a SWA submission in GIS, that display Functional Area Boundaries and polygons, are typically not suitable for documenting that delineation is complete
- Samples providing delineation (especially vertical samples) are often not present on figure



# Delineation – Take Home Message



- Full delineation (horizontal/vertical) needed on a sample x sample point basis in order to utilize compliance averaging as per the Attainment Guidance
- Map/figures that exhibit full delineation should accompany compliance averaging submission. They should already be “in hand” as they are required by N.J.A.C. 7:26E-1.6
- Documenting full delineation will increase the efficiency with Department reviews and avoids the “back and forth” that follows when this documentation is missing



# One Last Common Issue... Functional Area Size for Unrestricted Use

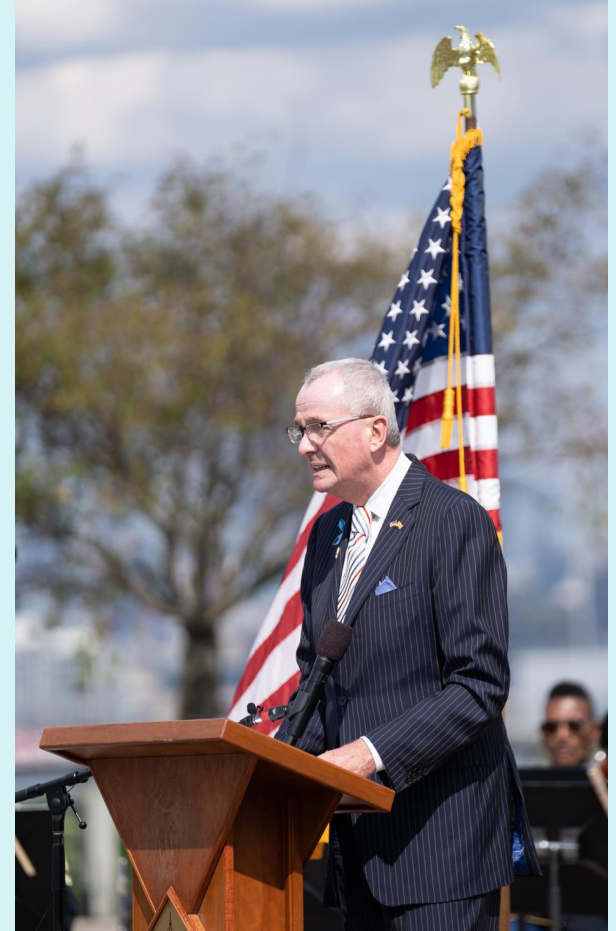


- When an unrestricted RAO is desired for an AOC, one must use the Functional Areas sizes associated with the Residential exposure pathway

Contaminants with SRS based on the ingestion/dermal pathway are addressed with a 0.25 acre sized Functional Area

Contaminants with SRS based on the inhalation pathway are addressed with a 0.50 sized Functional Area

- A non-residential sized 2-acre sized Function Area **cannot** be used to comply with a RDCSRS. The use of 2-acre sized Function Area is associated with the non-residential exposure pathway, and it's use requires the establishment of an institution control



Thank you!



# Hot Topics

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June 4, 2024



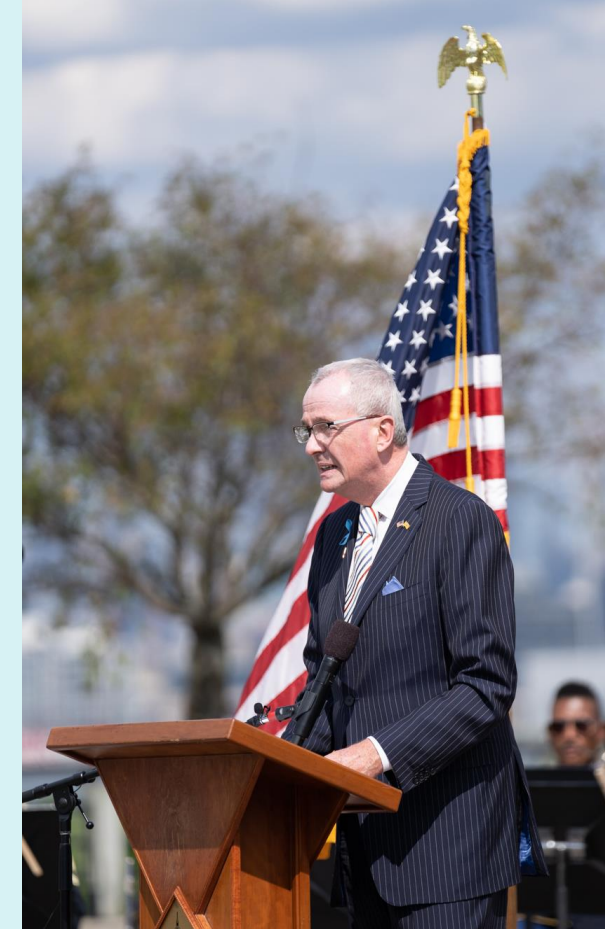
# Questions?



# Reminders!



- Questions not answered today will be answered via email in the coming weeks
- Please fill out the Course Evaluation here:  
**<https://www.surveymonkey.com/r/MJ6CLF7>**
- Look out for an email from the LSRPA for CEC certificate access
- Slides and presentation will be posted on the CSRR Training page



Thank you!

