



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

GROUND WATER REMEDIAL ACTION PROTECTIVENESS/
BIENNIAL CERTIFICATION FORM

NOV 29 2021

MUNICIPAL CLERK

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: LUKOIL Station No. 57221

List all AKAs:

Street Address: 276 Godwin Avenue

Municipality: Wyckoff (Township, Borough or City)

County: Bergen Zip Code: 07841

Program Interest (PI) Number(s): 009296

Ground Water Remedial Action Permit (RAP) Number: RAP180001

SECTION B. FEES

[X] Ground Water Remedial Action Protectiveness/Biennial Certification Form for a Ground Water RAP(No Fee)
Have all outstanding Ground Water RAP annual fees been paid? [X] Yes [] No

[] Post-NFA Cases (Sites without a Ground Water RAP): Ground Water Remedial Action Protectiveness/Biennial Certification Form

Note: A Ground Water RAP Initial Application is required to be submitted with this form. Please see the Compliance Notice: Post-NFA cases requiring remedial action permits, which includes the fee breakdown:
https://www.nj.gov/dep/srp/enforcement/post_nfa_compliance_notice.pdf.

Table with 2 columns: Effective on or Before June 30, 2021 and Effective July 1, 2021. Rows include MNA - \$4,470 (\$5,130) and Active System- \$4,030 (\$5,240).

SECTION C. FEE BILLING CONTACT PERSON

[] Changed Since Last Submission of the Ground Water Remedial Action Protectiveness/Biennial Certification Form
Date of RAP Contact Information Change Form Submission:

Business Name: LUKOIL North America

First Name of Contact: David Last Name of Contact: Prusak

Title: Environmental Remediation Coordinator

Phone Number: (856) 722-6449 Ext.: Fax:

Mailing Address: 302 Harper Drive, Suite 303

Municipality: Moorestown State: NJ Zip Code: 08057

Email Address: dprusak@lukoilusa.com

SECTION D. PERSON(S) RESPONSIBLE FOR CONDUCTING THE REMEDIATION

1. Has the mailing address changed for the Person(s) Responsible for Conducting the Remediation that is currently listed on the Ground Water RAP for the site? [] Yes [X] No
If "Yes", provide the date of the Ground Water RAP Modification Application submission:

2. Has the Contact Person/Information changed since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? [] Yes [X] No
If "Yes", provide the date of the RAP Contact Information Change Form submission:

SECTION E. CURRENT OWNER(S) OF THE SITE

1. Has the Property Owner changed from what is currently listed on the Ground Water RAP for the site? Yes No
If "Yes", provide the date of the RAP Transfer/Change of Property Ownership Application submission:
2. Has the mailing address changed for the Property Owner that is currently listed on the Ground Water RAP for the site? Yes No
If "Yes", provide the date of the Ground Water RAP Modification Application submission:
3. Has the Contact Person/Information changed since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? Yes No
If "Yes", provide the date of the RAP Contact Information Change Form submission:

SECTION F. ATTACHED DOCUMENTS

Attach electronic copies of the following documents in an email to srp_submissions@dep.nj.gov*: (Check all that apply)

*See instructions for how to handle submissions associated with a Post-NFA Case.

- Ground Water Remedial Action Protectiveness/Biennial Certification Form using the current form on the NJDEP Website (Required).
- A summary of the ground water sampling results by monitoring well in tabular format to this form, including all historical ground water sampling data associated with the Ground Water RAP (Required).
- The last four ground water contour maps completed for the site, which includes the extent of the CEA/WRA, monitoring well and AOC locations on it, and the direction of ground water flow at the site (Required).
- All well inspection reports/logs that have been completed since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form (Required).
- The results of the required updated well search to this form, including a scaled map and a table indicating which wells were previously evaluated (Required).
- The field sampling sheets since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form (Required).
- A table summarizing the monitoring well construction details (below ground surface (bgs)) for all the monitoring wells associated with the Ground Water RAP (Required).
- A contaminant concentration table that compares the GWQS changes and order of magnitude analysis associated with the Ground Water RAP (Required).
- The Contaminants of Emerging Concern (CECs) evaluation completed associated with the Ground Water RAP (Required).
- A summary of the Technical Impracticability (TI) Determination and a 5-year evaluation, if applicable.
- A current Tax Map of the property if the block and lot has changed for the CEA/WRA, if applicable.
- The vapor intrusion sampling results, including a scaled site map indicating the location of all structures investigated for vapor intrusion, if applicable.
- Any vapor intrusion sampling results as required from the Operation, Maintenance, & Monitoring (OMM) Plan for the vapor intrusion engineering control(s)/mitigation system(s) for the permit, including the NJDEP Vapor Intrusion Mitigation Monitoring and Maintenance Checklist.
- Any vapor intrusion sampling results as required from the Vapor Intrusion Long-Term Monitoring Plan for the permit, if applicable.
- The summary of the inspection and a scale site map clearly identifying the buildings with Indeterminate Vapor Intrusion Pathway status, including the address and block/lot of each building, if applicable.
- The completed Remediation Cost Review and RFS/FA Form with a detailed cost estimate, if applicable.
- The homeowner or condominium association's annual budget that includes funds for the operation, maintenance, and monitoring of the engineering control(s) associated with the Ground Water RAP, if applicable.
- The annual statements confirming the value of the Financial Assurance Instrument, if applicable.

SECTION G. REMEDIAL ACTION AND CEA/WRA INFORMATION

1. Type of Ground Water Remediation

a. **Monitored Natural Attenuation**

1) Has ground water sampling been conducted at the site since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? Yes No

If "Yes", attach a summary of the ground water sampling results by monitoring well in tabular format to this form, including all historical ground water sampling data for the site.

2) Has ground water sampling been conducted in accordance with the Ground Water Monitoring Plan for the site? Yes No

If "No", provide justification for deviating from the Ground Water Monitoring Plan and attach additional documentation if needed:

No ground water sampling required since last biennial certification submittal.

3) Do the results of the ground water sampling demonstrate that contaminant concentrations have decreased to or below the applicable Ground Water Quality Standards for two ground water sampling events accounting for seasonal fluctuation at the site pursuant to N.J.A.C. 7:26C-7.9(f)? Yes No N/A

If "Yes", then submit a Ground Water RAP Termination Application and skip the rest of this section.

4) Is there still a decreasing trend of contaminant concentrations in the ground water? Yes No

If "No", provide the date of Ground Water RAP Modification submission or the justification supporting the protectiveness of the ground water remedial action in Section L below:

5) Is the *behavior* of the ground water contaminant plume considered to be shrinking or stable? Yes No

If "Yes", check off only one of the following: Shrinking Stable

If "No", provide the date of Ground Water RAP Modification submission or the justification supporting the protectiveness of the ground water remedial action in Section L below:

6) Is the ground water plume reaching the sentinel wells or sentinel monitoring points? Yes No

If "Yes", provide the date of Ground Water RAP Modification submission with the required additional ground water delineation data:

7) Is MNA still the appropriate ground water remedial action for the site? Yes No

If "No", provide an explanation:

b. **Active Remediation**

Provide the type of remediation: _____

- 1) Has ground water sampling been conducted at the site since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? Yes No
If "Yes", attach a summary of the ground water sampling results by monitoring well in tabular format to this form, including all historical ground water sampling data for the site.

- 2) Has ground water sampling been conducted in accordance with the Ground Water Monitoring Plan for the site? Yes No
If "No", provide justification for deviating from the Ground Water Monitoring Plan and attach additional documentation if needed:

- 3) Do the results of the ground water sampling demonstrate that contaminant concentrations have decreased to or below the applicable Ground Water Quality Standards for two ground water sampling events accounting for seasonal fluctuation at the site pursuant to N.J.A.C. 7:26C-7.9(f)? Yes No N/A
If "Yes", then submit a Ground Water RAP Termination Application and skip the rest of this section.

- 4) Is there still a decreasing trend of contaminant concentrations in the ground water? Yes No
If "No", provide the date of Ground Water RAP Modification submission or the justification supporting the protectiveness of the ground water remedial action in Section L below:

- 5) Is the behavior of the ground water contaminant plume considered to be shrinking or stable? Yes No
If "Yes", check off only one of the following: Shrinking Stable
If "No", provide the date of Ground Water RAP Modification submission or the justification supporting the protectiveness of the ground water remedial action in Section L below:

- 6) Is the ground water plume reaching the sentinel wells or sentinel monitoring points? Yes No
If "Yes", provide the date of Ground Water RAP Modification submission with the required additional ground water delineation data:

- 7) Is the ground water remedial action performing as designed? Yes No
If "No", provide an explanation:

- 8) Has the active ground water treatment system been shutdown for longer than 48-hours since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? Yes No N/A
If "Yes", provide an explanation for the shutdown, including the duration of the shutdown and whether or not the shutdown rendered the Remedial Action not protective of public health, safety and of the environment:

2. Has a Technical Impracticability (TI) Determination been approved? Yes No

If "Yes", please provide the date of the TI Approval Letter from the Department:

Attach a summary of the TI Determination and a 5-year evaluation, if applicable.

3. Since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form, has any ground water contamination been determined to have migrated onto the site/property from an off-site source that is not included in the Ground Water RAP? Yes No

If "Yes", provide the communication center number that was received when called into the Hotline and a discussion of the issue below.

Hotline Communication Center Number:

Discussion:

4. Has the ground water flow direction changed at the site such that the sentinel well(s) is no longer downgradient and protective of all receptors? Yes No

If "Yes", provide the date of Ground Water RAP Modification submission with the required additional ground water delineation data:

5. Has the CEA/WRA been revised for any reason that did not require conducting additional remediation? Yes No

If "Yes", provide the date of Ground Water RAP Modification submission:

6. Did the Municipal Block and Lot number(s) of the CEA/WRA change since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? Yes No

If "Yes", attach a current Tax Map of the property and list the former and new Municipal Block and Lot numbers of the CEA/WRA below:

Former Municipal Block and Lot Number(s):

New Municipal Block and Lot Number(s):

7. Did you provide hard copies of this form to the municipal and county clerks for each municipality and county in which the CEA/WRA is located; the local, county and regional health department for each municipality and county in which the CEA/WRA is located; each current owner of the site; each current operator of the site; each current property owner within the footprint of the CEA/WRA; the Pinelands Commission or the Highlands Commission, as applicable? Yes No

8. Have any monitoring wells associated with the CEA/WRA been damaged, vandalized, repaired, replaced, decommissioned, or could not be located? Yes No

If "Yes", describe what occurred and attach additional documentation as necessary (i.e., maintenance and evaluation logs for all the monitoring wells, a copy of any Well Abandonment Report(s), construction specifications for each new/replacement well, documentation that the Bureau of Water Allocation and Well Permitting was contacted for any monitoring wells that could not be located, etc.):

9. Has a replacement monitoring well(s) been installed since the last submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form? Yes No

If "Yes", was the replacement well installed within 10 feet of the former well location? Yes No

If "No", then either:

Provide the justification supporting the protectiveness of the ground water remedial action in Section L below

or

Provide the date of the Ground Water RAP Modification Application submission:.....

Attach the construction specifications for each new well.

10. Since the Ground Water RAP was issued, did the comparison conducted pursuant to N.J.A.C. 7:26C-7.9(b)2 require the submission of a Ground Water RAP Modification Application? Yes No

If "Yes", provide the date of Ground Water RAP Modification Application Submission:.....

11. Did the comparison conducted above reveal a change in the Ground Water Quality Standards? Yes No

If "Yes", did the Ground Water Quality Standards change by an order of magnitude? Yes No

If "Yes", does the change require a modification of the Ground Water RAP? Yes No

If "Yes", provide the date of Ground Water RAP Modification Application Submission:.....

Attach a contaminant concentration table that compares the GWQS changes and order of magnitude analysis.

Contaminants of Emerging Concern (CECs): The permittee(s) is required to evaluate whether there is the potential that the compounds listed below may have been manufactured, used, handled, stored, disposed or discharged at the AOC(s) associated with the Ground Water RAP. Evaluation does not mean analysis. Evaluation means using your professional judgement to determine if the compounds are potential contaminants of concern at the AOC(s) associated with the Ground Water RAP. The evaluation of these compounds should be the same as any other compound. Additional information on CECs can be found at <https://www.nj.gov/dep/srp/emerging-contaminants/>.

12. Is 1,4-dioxane a potential contaminant of concern at the AOC(s) associated with the Ground Water RAP and does it require further remedial investigation? Yes No

13. Is perchlorate a potential contaminant of concern at the AOC(s) associated with the Ground Water RAP and does it require further remedial investigation? Yes No

14. Are per- and polyfluoroalkyl substances (PFAS), including but not limited to perfluorononanoic acid (PFNA), perfluorooctanoic acid (PFOA), and perfluorooctane sulfonic acid (PFOS) potential contaminants of concern at the AOC(s) associated with the Ground Water RAP and does it require further remedial investigation? Yes No

15. Is 1,2,3-trichloropropane (1,2,3-TCP) a potential contaminant of concern at the AOC(s) associated with the Ground Water RAP and does it require further remedial investigation? Yes No

Attach the results of the required emerging CECs evaluation:

If "Yes" to any of the questions 12 to 15 above, then provide a discussion of how this issue is being addressed: