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

INSTRUCTIONS FOR THE REMEDIAL ACTION PERMIT MODIFICATION APPLICATION – GROUND WATER

Please review the Remedial Action Permits for Ground Water Quick Reference Guide (https://www.nj.gov/dep/srp/srra/training/matrix/quick_ref/rap_gw.pdf)**, the Ground Water Remedial Action Permit Guidance** (http://www.nj.gov/dep/srp/guidance/index.html#rap_gw)**, and the Monitored Natural Attenuation Technical Guidance** (http://www.nj.gov/dep/srp/guidance/#mon_nat_atten) **before completing this application.**

The New Jersey Department of Environmental Protection (NJDEP) considers the Licensed Site Remediation Professional (LSRP) that submits this Remedial Action Permit (RAP) Application to be the LSRP retained for this RAP after the Response Action Outcome (RAO) is issued. If the LSRP is dismissed or dismisses him/herself for the RAP any time after the issuance of the RAO, the LSRP shall submit the Licensed Site Remediation Professional Notification of Retention or Dismissal Form online and the permittee shall retain another LSRP within 45 days. A permittee that fails to retain a new LSRP within 45 days will be deemed out of compliance and subject to potential enforcement actions.

For a modification(s) to a Ground Water RAP pursuant to N.J.A.C. 7:26C-7.12, please include the reason(s) for the modification(s) in a cover letter with the application. Please be advised that change of ownership is a permit transfer and not a modification to a permit and should be submitted with the RAP Transfer/Change of Property Ownership Application.

1. **Applicability.** Use this form to apply for a modification of a Ground Water RAP for a ground water remedial action that includes an engineering and/or institutional control that requires a Classification Exception Area/Well Restriction Area (CEA/WRA) and short or long-term monitoring, maintenance and evaluation requirements pursuant to N.J.A.C. 7:26C-7.
2. **Updates.** The NJDEP may update this form periodically. Please ensure you are using the latest version of this form. Download the latest version of this form from the NJDEP Website: http://www.nj.gov/dep/srp/srra/forms/.
3. **Signatures.** This form must be signed by the Person Responsible for Conducting the Remediation, the property owner, and the LSRP responsible for completion of the form and attached documents.
4. Completed forms with fee payment should be sent to:

   Bureau of Case Assignment & Initial Notice (BCAIN)
   Site Remediation Program
   NJ Department of Environmental Protection
   401-05H
   PO Box 420
   Trenton, NJ 08625-0420

Section A. Site Name and Location

- **Site Name:** Provide the name of the site (i.e., ABC Corporation) according to DataMiner, which can be obtained at https://www13.state.nj.us/DataMiner/Search/SearchByCategory?isExternal=y&getCategory=y&catName=Site+Remediation;
- **List all AKAs:** Provide all other known names for the site;
- **Street Address:** Provide the street address for the site. NOTE: This should be the physical location of the site – not the mailing address – and should be consistent with what is in the tax database(s) (e.g., etaxmaps.com and http://tax1.co.monmouth.nj.us/cgi-bin/prc6.cgi?district=1301&ms_user=monm); if not consistent, then indicate why in Section K below;
- **Municipality:** Provide the name of the municipality(ies) in which the site is physically located and indicate if it is a township, borough, village, or city. NOTE: This should be the name of the incorporated municipality and not the local name;
- **County:** Provide the name of the county(ies) where the site is located;
- **Zip code:** Enter the five-digit code for the physical location of the site;
- **Program Interest (PI) Number(s):** Provide the PI Number assigned by the NJDEP according to DataMiner (see web link above). If this application is being submitted due to a subdivision of the site, please contact BCAIN prior to permit application in order to determine if new PI Numbers are needed. Contact BCAIN by email to

SRWM_NJEMS@dep.nj.gov and include the following information along with your request: the subdivided lots, tax maps (current and new), owners of each lot, and the newly designated addresses for the subdivided lots;

- **Case Tracking Numbers:** Provide all NJDEP generated site identification numbers (Hotline incident numbers, UST Notice of Intent to Close numbers, ISRA numbers, etc.). Include the most recent Ground Water RAP Number obtained;
- **Municipal Block(s) and Lot(s):** Provide the municipal block(s) and lot(s) numbers for the site/property (not just the municipal block(s) and lot(s) numbers of the CEA); this should be consistent with what is in the tax database(s) (e.g., etaxmaps.com and http://tax1.co.monmouth.nj.us/cgi-bin/prc6.cgi?district=1301&ms_user=monm); if not consistent, then indicate why in Section K below and provide additional documentation as necessary;
- **Federal Case:** Indicate if the site is a federal case. If "Yes," indicate the case type; check all that apply. Please note that the following Federal Facility case types are ineligible to proceed without the NJDEP's pre-approval: US Department of Energy sites, US Department of Defense sites, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites (commonly known as NPL/Superfund sites), and Resource Conservation and Recovery Act (RCRA) Government Priority Remedial Action (GPRA) Sites listed at http://www.epa.gov/epawaste/hazard/correctiveaction/pdfs/2020scc.pdf. Additional information regarding the Site Remediation Reform Act (SRRA) implementation process for RCRA, CERCLA and Federal Facility Sites can be found at: http://www.nj.gov/dep/srp/srra/training/matrix/quick_ref/rcra_cercla_fed_facility_sites.pdf.

  If you have any questions, please contact the Bureau of Case Management at 609-633-1455.

Section B. Ground Water Remedial Action Modification Permit Application

Note: This Ground Water RAP Modification Application will not be processed until all past RAP annual fees have been paid in full, and all previously required RAP Transfer/Change of Property Ownership Applications have been applied for.

1. Indicate the reason(s) for the submittal of this Ground Water RAP Modification Application by checking off the following selections:
   - **Change in the Classification Exception Area (CEA) for the site (Complete All Sections below except Section H)**
   - **Change in the Ground Water Monitoring Plan for the site (Complete All Sections below except Section H)**
   - **Change from Active Remedy to Monitored Natural Attenuation (MNA) (pay the MNA Modification fee) or MNA to an Active Remedy (pay the Active System Modification fee)**
   - **Change in the Vapor Intrusion Long-Term Monitoring Plan for the site (Complete All Sections below except Section H)**
   - **Change in the Operation, Maintenance, and Monitoring (OMM) Plan for the vapor intrusion engineering control(s)/mitigation system(s) that are currently in place (Complete All Sections below)**
   - **Change in the OMM Plan for the Point of Entry Treatment (POET) water system(s) that are currently in place (Complete All Sections below)**
   - **Permittee address change (Complete Sections C, D, E, F, L, M, and N below)**
   - **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)**
   - **Subdivision of an existing Ground Water RAP (Complete Sections C, D, E, F, H, I, J, L, M, and N below)**
   - **Other: *(provide reason)***
2. You must include the appropriate application fee that is indicated on the form and can also be found in the Fee Guidance Document (https://www.nj.gov/dep/srp/guidance/fees/). Note that the document must be postmarked by June 30 of each fiscal year to apply that year's fee. Documents submitted on or after July 1 of each fiscal year will be required to apply that year's fee. Checks shall be made payable to "Treasurer State of New Jersey." Include your PI Number on your check.

Section C. Fee Billing Contact Person

Complete this section for the fee billing contact person. The Annual Permit Fee Invoice will be mailed to this person.

Section D. Person Responsible for Conducting the Remediation – Co-Permittee.

Complete this section for the Person Responsible for Conducting the Remediation (PRCR). A person's name must be submitted as the contact person, not a title. **All contact information provided in this section should be for the PRCR, not the agent/person with power of attorney to complete/sign this application on behalf of the PRCR. "Care of" (C/O) is not acceptable unless it is for a special circumstance (e.g., condo association, person requiring special assistance); if this is the case, then explain why in Section K below and provide additional documentation as necessary.** If there is more than one person, complete Addendum A for the additional person(s).

The "Person Responsible for Conducting the Remediation" that is currently identified on a permit can only be changed/modified if the responsible entity no longer exists and documentation is submitted.

Check the box if this entity will have "Primary Responsibility for Permit Compliance" (i.e., will be sampling monitoring wells, submitting Ground Water Remedial Action Protectiveness/Biennial Certification Forms). This box should not be checked off in both Section D and Section E.

Section E. Current Owner of the Site – Co-Permittee.

Complete this section for the current owner of the site; this should be consistent with what is in the tax database(s) (e.g., etaxmaps.com and http://tax1.co.monmouth.nj.us/cgi-bin/prc6.cgi?district=1301&ms_user=monm); if not consistent, then indicate why in Section K. A person's name must be submitted as the contact person, not a title. **All contact information provided in this section should be for the current owner, not the agent/person with power of attorney to sign this application on behalf of the current owner. "Care of" (C/O) is not acceptable unless it is for a special circumstance (e.g., condo association, person requiring special assistance); if this is the case, then explain why in Section K below and provide additional documentation as necessary.** If there is more than one person, complete Addendum A for the additional person(s).

Check the box if this entity will have "Primary Responsibility for Permit Compliance" (i.e., will be sampling monitoring wells, submitting Ground Water Remedial Action Protectiveness/Biennial Certification Forms). This box should not be checked off in both Section D and Section E.

Section F. Attached Documents

Attach the following documents with the Ground Water RAP Modification Application: (*Check all that apply*)

Note: All electronic copies should be provided in Adobe PDF file format on a compact disc (CD) except the Ground Water Monitoring Plan, which should be provided in MS Excel file format on a CD. All the documents required below can be combined into a single Adobe PDF file on the CD with the exception of the Ground Water Monitoring Plan, which should be provided in MS Excel file format on the CD.

- Hard copy ***and*** electronic copy of the completed Ground Water RAP Modification Application using the current form on the NJDEP Website (http://www.nj.gov/dep/srp/srra/forms/). Required for all reasons in Section B above.
- Hard copy ***and*** electronic copy of the cover letter/report explaining the reason(s) for the Ground Water RAP Modification Application. Required for all reasons in Section B above.
- Electronic copy of a map showing the area of concern/source and showing and/or explaining horizontal and vertical delineation of the ground water contamination, if applicable. Required for a change in the CEA, change in the GWMP for the site, and subdivision of an existing Ground Water RAP.
- Electronic copy of a summary of the ground water sampling results by monitoring well in tabular format, including all historical ground water sampling data for the site and any secondary and tertiary lines of evidence to support the MNA proposal. Required for a change in the CEA and a change in the GWMP for the site.
- Electronic copy of the ground water contour maps for the ground water sampling events conducted since the issuance of the last Ground Water RAP (Initial or Modification) or submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form (whichever is more recent), if applicable. Required for a change in the CEA and a change in the GWMP for the site.
- Electronic copy of a table summarizing the monitoring well construction details (below ground surface (bgs), not mean sea level) for all the monitoring wells at the site, if applicable. Required for a change in the CEA and a change in the GWMP for the site.
- Electronic copy of the field sampling sheets for the ground water sampling events conducted since the issuance of the last Ground Water RAP (Initial or Modification) or submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form (whichever is more recent), if applicable. Required for a change in the CEA and a change in the GWMP for the site.

- Electronic copy of the laboratory data package for the ground water sampling events conducted since the issuance of the last Ground Water RAP (Initial or Modification) or submittal of the Ground Water Remedial Action Protectiveness/Biennial Certification Form (whichever is more recent), if applicable. Required for a change in the CEA and a change in the GWMP for the site.
- Electronic copy of the Classification Exception Area/Well Restriction Area (CEA/WRA) Fact Sheet Form, if applicable. Required for change in the CEA and subdivision of an existing Ground Water RAP.
- Electronic copy of the Ground Water Monitoring Plan, if applicable (in "MS Excel" file format). Required for a change in the GWMP for the site.
- Electronic copy of the Vapor Intrusion Long-Term Monitoring Plan and a scaled site map clearly identifying the building(s), if applicable. Required for a change in the Vapor Intrusion Long-Term Monitoring Plan for the site.
- Electronic copy of the OMM Plan for the vapor intrusion engineering control(s)/mitigation system(s) that are currently in place, if applicable. Required for a change in the OMM Plan for the vapor intrusion engineering control(s)/mitigation system(s) that are currently in place.
- Electronic copy of the OMM Plan for the Point of Entry Treatment (POET) water system(s) that are currently in place, if applicable. Required for a change in the OMM Plan for the POET water system(s) that are currently in place.
- Electronic copy of the completed Remediation Cost Review and RFS/FA Form with a detailed cost estimate, if applicable, and only indicate one of the following: if the original Financial Assurance mechanism (*hard copy*), including any Amendments, is attached to the Ground Water RAP Application; if the original Financial Assurance mechanism was already submitted to the NJDEP, including the date it was submitted; or if an electronic copy of the RFS mechanism is included if using an existing RFS mechanism as the Financial Assurance and the amendment to conform to the Financial Assurance format. Required if FA is required for the Ground Water RAP.
- Electronic copy of the homeowner or condominium association's annual budget that includes funds for the operation, maintenance, and monitoring of the engineering control(s) at the site, if applicable. Required if using a homeowner or condominium association's annual budget to cover OMM costs for the engineering control(s) at the site.

Section G. Monitoring, Maintenance and Evaluation Information

Must be completed for all active/long-term ground water remediation.

1. Indicate if the ground water contamination has been horizontally delineated in all directions at the site. If "No", document this variance from N.J.A.C. 7.26E-4.3(a)4 in Section K below, including stating why the contamination was not horizontally delineated and how it is protective of human health and safety and of the environment, and attach all supporting documentation.
2. Indicate if the ground water contamination has been vertically delineated at the site. If "No", document this variance from N.J.A.C. 7.26E-4.3(a)4 in Section K below including stating why the contamination was not vertically delineated and how it is protective of human health and safety and of the environment, and attach all supporting documentation.
3. **Type of Remediation** – Check either the box for Monitored Natural Attenuation (MNA) or Active Remediation to identify the type of remedial action implemented at the site. Please see the Monitored Natural Attenuation Technical Guidance located at http://www.nj.gov/dep/srp/guidance/#mon_nat_atten before completing this section.
   a. If you checked MNA, complete questions i. through vii. underneath the check box for MNA as indicated below.
      i. Indicate if there is a decreasing trend of contaminant concentrations in the ground water. If "Yes", document this issue in Section K below and attach any supporting documentation. If "No", provide the justification of the protectiveness of the remedy in Section K below. MNA effectiveness is determined principally by decreasing contaminant concentrations with time in conjunction with a stable or receding ground water contaminant plume.
      ii. Indicate if the ***behavior*** of the ground water contaminant plume is considered shrinking or stable. If "Yes", check off if the ground water contaminant plume is either shrinking or stable and document this issue in Section K below and attach any supporting documentation. If "No", provide the justification of the protectiveness of the remedy in Section K below. Evidence of a shrinking or stable ground water contaminant plume is required for MNA to be considered as an effective remedy.
      iii. Indicate if secondary lines of evidence have been collected throughout the ground water contaminant plume to support the MNA proposal for the site. If "Yes", document this issue in Section K below and attach any supporting documentation. Secondary lines of evidence are used to evaluate geochemical conditions to ensure they are supportive of natural attenuation.
      iv. Indicate if tertiary lines of evidence have been collected throughout the ground water contaminant plume to support the MNA proposal for the site. If "Yes", document this issue in Section K below and attach any

supporting documentation. Tertiary lines of evidence involves microbiological and isotopic studies that can be used as additional lines of evidence to confirm natural attenuation.

v. Indicate if the ground water plume is reaching the sentinel wells. All Ground Water RAPs are required to have a "clean" sentinel well for the monitoring of the fate and transport of the ground water plume. If "Yes", provide the justification of the protectiveness of the remedy in Section K below since the sentinel well(s) should be below the Ground Water Quality Standards (GWQS). If you are using an alternate method of justifying protectiveness that is not a sentinel monitoring well, check "Yes" above and describe in Section K below.

vi. Indicate if all soil contamination in the unsaturated zone has been remediated to the applicable numeric Soil Remediation Standard for all area(s) of concern associated with this CEA. If "No", provide the justification of the protectiveness of the remedy in Section K below. Only answer Not Applicable (N/A) this question if soil contamination in the unsaturated zone was never present for the area(s) of concern associated with this CEA.

vii. Indicate if all free and/or residual product in the unsaturated and saturated zones as determined pursuant to N.J.A.C. 7:26E-5.1(e) has been treated or removed for all area(s) of concern associated with this CEA. If "No", provide the justification of the protectiveness of the remedy in Section K below. Only answer Not Applicable (N/A) to this question if free and/or residual product in the unsaturated and saturated zones was never present for the area(s) of concern associated with this CEA.

b. If you checked Active Remediation, indicate the type of remediation (e.g. Multiple Phase Extraction System, SVE/Air Sparging, Ozone Sparging, Pump & Treat, etc.). Also, complete questions i. through iv. underneath the check box for Active Remediation as indicated below:

i. Indicate if there is a decreasing trend of contaminant concentrations in the ground water. If "Yes", document this issue in Section K below and attach any supporting documentation. If "No", indicate if the ground water plume is considered stable and provide the justification of the protectiveness of the remedy in Section K below. A ground water plume is considered stable if the concentration trends remain the same over time and the sentinel well concentration remains below the GWQS. Evidence of a decreasing trend of contaminant concentrations in the ground water or a stable plume is required for Monitored Natural Attenuation to be considered as a remedy.

ii. Indicate if the ground water plume is reaching the sentinel wells. All Ground Water RAPs are required to have a "clean" sentinel well for the monitoring of the fate and transport of the ground water plume. If "Yes", provide the justification of the protectiveness of the remedy in Section K below since the sentinel well(s) should be below the GWQS. If you are using an alternate method of justifying protectiveness that is not a sentinel monitoring well, check "Yes" above and describe in Section K below.

iii. Indicate if the ground water remedial action is performing as designed. If "No", provide the justification of the protectiveness of the remedy in Section K below.

iv. Indicate the expected duration of the active remediation in years.

4. Indicate if a Technical Impracticability (TI) Determination has been submitted. If "Yes", document this issue in Section K below and attach any supporting documentation. Include any additional monitoring requirements in the Ground Water Monitoring Plan submitted for the site in accordance with Table 1, item 6 of the Technical Impracticability Guidance for Ground Water. The guidance document can be found at https://www.nj.gov/dep/srp/guidance/#tech_impractibility.

5. Indicate if any ground water contamination has migrated onto the site/property from an off-site source since the Ground Water RAP was issued that was not previously reported and that is not being included in the Ground Water RAP. If "Yes", provide the communication center number that was received when called into the Hotline and provide a summary of the issue in Section K below.

6. Check the monitoring schedule that summarizes your monitoring proposal. This is not a schedule for submitting data to the NJDEP. All monitoring data shall be submitted once every two years with the *Remedial Action Protectiveness/ Biennial Certification Form – Ground Water*. Please see the following table from the Monitored Natural Attenuation Technical Guidance for the recommended monitoring well sampling frequency for a Monitored Natural Attenuation Ground Water RAP:

Table 4

Recommended Monitoring Well Sampling Frequency

Situation	Performance Well Sampling Frequency	Sentinel Well Sampling Frequency	Reporting Schedule
Permit issued	Annual years 1-4 *	½ travel time to nearest receptor or annual, whichever is more frequent	With CEA Biennial Certification
After 4 years	Biennial years 5-8 *	½ travel time to nearest receptor or biennial, whichever is more frequent	With CEA Biennial Certification
After 8 years	**BTEX:** Every 8 years for the remainder of the permit. **Contaminants other than BTEX > 10X GWQS:** every 4 years **Contaminants other than BTEX < 10X GWQS:** every 8 years for remainder of the permit	½ travel time to nearest receptor or the same frequency as the performance wells, whichever is more frequent	With next scheduled CEA Biennial Certification

* **Progression through this sampling schedule is appropriate only if contaminant degradation is occurring as predicted during each monitoring event, and the remedy remains protective of receptors. If contaminant degradation is not occurring as predicted, the applicability of the MNA remedy must be revaluated in accordance with the MNA guidance.**

Section H. Financial Assurance

1. Indicate if the remedial action includes a ground water or vapor intrusion engineering control. **"Engineering control"** means any physical mechanism to contain or stabilize contamination or ensure the effectiveness of a Remedial Action. An engineering controls may include, without limitation, dike, trench, leachate collections system, absorbent socks, long term air sparging/soil vapor extraction, vapor mitigation systems/sub-slab depressurization systems, Point of Entry Treatment (POET) water systems, and ground water containment system including, without limitation, a slurry wall, grout jet walls, sheet pilings, or an active ground water pump and treatment system.

   If the proposed ground water remedial action **does not** include an engineering control, then FA is not required for the permit, skip the rest of this section and go to the next section.

2. If the proposed ground water remedial action includes an engineering control, **FA must be obtained prior to filing this application** (unless all permittees are exempt pursuant to N.J.A.C. 7:26C-7.10(c) or if existing RFS is being used as FA).

   The Administrative Requirements for the Remediation of Contaminated Sites, specifically N.J.A.C. 7:26C-10(c), defines certain entities that are exempt from filing FA. Check all that qualifies you to be exempted. If you are exempt skip the rest of this section and go to the next section.

   In the event that more than one permittee is required to establish FA and one or more of the permittees is exempt from this requirement, the non-exempt permittee(s) shall establish the full amount of the FA required.

   Refer to N.J.A.C. 7:26C-5 for the FA requirements http://www.nj.gov/dep/srp/regs/arrcs/index.html.

3. Indicate whether the current owner of the site is either a homeowner association or a condominium association by including "X" in the appropriate box. If a homeowner association or a condominium association is identified in Section E of this Permit Application, an electronic copy of the association's annual budget that includes funds for the operation, monitoring, and maintenance of the engineering control(s) at the site should be attached as indicated in Section F above; skip the rest of this section and go to the next section. If the association identified in Section E of this RAP Application is ever unable to meet this requirement, then the person responsible for conducting the remediation is required to establish the FA for the permit if they are not exempt pursuant to N.J.A.C. 7:26C-7.10(c).

4. Include a cost estimate for the operation, maintenance, and monitoring of the engineering control(s) at the site. The amount of funds to operate, maintain, and monitor the engineering control(s) at the site for as long as the control(s) are needed, up to thirty (30) years (minimum of $30,000 for a 30-year time frame) should be determined. Guidance

for acceptable cost estimates can be found in the Remedial Action Permit Guidance Document at http://www.nj.gov/dep/srp/guidance/index.html#rap_gw.

5. Indicate if permittee(s) and/or co-permittee(s) are using an existing RFS mechanism as the FA for the site. If you are, indicate if ALL THREE of the following criteria have been met:

   a. The amount of funds needed to operate, maintain, and monitor the engineering control(s) at the site for the duration of the CEA or for 30 years (minimum of $30,000 for a 30-year time frame) if the duration of the CEA is indeterminant.

   b. The amount of the funds in the RFS is equal to the amount of the funds required to be posted for RFS and FA.

   c. The RFS is NOT in the form of a self-guarantee. If the RFS is in the form of a self-guarantee, you cannot use the existing RFS, but must obtain a separate financial mechanism for FA.

   Provide the full amount of the current Remediation Funding Source.

6. Enter the full dollar amount established as the FA. The amount posted can differ from the estimated cost if net present value calculations are used. As indicated in Section F above, an electronic copy of a completed Remediation Cost Review and RFS/FA form which describes how the LSRP estimated the amount of the FA along with the RAP Application should be attached as. This form can be found at http://www.nj.gov/dep/srp/srra/forms. Also, please provide one of the following as indicated in Section F above: attach the original Financial Assurance mechanism (hard copy), including any Amendments, to the Ground Water RAP Application; the date the original Financial Assurance mechanism was submitted to the NJDEP; or an electronic copy of the existing RFS mechanism that is being used as the Financial Assurance and the amendment to conform to the Financial Assurance format.

   If you are using an existing RFS as FA and had previously submitted the Remediation Cost Review and RFS/FA form in order to adjust the amount of the RFS so that it is equal to the FA, you may submit a copy of that form with the permit application.

   Note: If there is a change in the FA the NJDEP will not authorize the release of an existing FA instrument until a new FA instrument is established and in place.

7. Identify the FA Mechanism used as one or any combination of the following: a Remediation Trust Fund, an Environmental Insurance Policy, a Line of Credit, Surety Bond, or a Letter of Credit in accordance with N.J.A.C. 7:26C-5. Be advised that although self-guarantee is acceptable as RFS, it is not acceptable as a FA mechanism.

8. Provide the name, address, and phone number of the contact person at the financial institution for the FA.

Section I. Land Use *(for overlying CEA)*

1. Check all that apply to indicate the current land use(s) for the site where the discharge originated.
2. Check all that apply to indicate the off-site land use(s) within the aerial extent of the CEA.

Section J. Affected Receptor Summary

1. Indicate if there are any buildings with an Indeterminate Vapor Intrusion Pathway status. If “Yes”, document this issue in Section K below and attach any supporting documentation. Please see the Vapor Intrusion Technical Guidance Document (http://www.nj.gov/dep/srp/guidance/index.html#vi) for the definition of an Indeterminate Vapor Intrusion Pathway status.

   Note: Sub-slab soil gas sampling is required to be conducted in accordance with the Department’s Vapor Intrusion Technical Guidance document to remove an Indeterminate Vapor Intrusion Pathway Status for any building(s) from the Ground Water RAP; the sub-slab soil gas sampling results should be attached to this application or justification provided for the deviation of this sub-slab soil gas sampling requirement in Section K below, if applicable.

2. Indicate if there is soil gas contamination above the Soil Gas Screening Levels (SGSLs) beneath any buildings that require long-term monitoring. If “Yes”, document this issue in Section K below, and attach an electronic copy of the Vapor Intrusion Long-Term Monitoring Plan and a scaled site map clearly identifying the building(s), and indicate this in Section F above. Please see the following table from the Vapor Intrusion Technical Guidance for the recommended long-term vapor intrusion monitoring/sampling plan for a Ground Water RAP with soil gas contamination remaining above the SGSLs beneath a building(s):

Table 6-2

Long-Term Monitoring Sampling Designs

SSSG >10X NJDEP SGSL	SSSG > NJDEP SGSL and ≤10X NJDEP SGSL
First through fifth year Long-Term Monitoring: 1. Annual inspection of building. 2. Annual sampling of IA in heating season* Sixth year Long-Term Monitoring & beyond: 1. Annual inspection of building 2. Sampling IA every five years in heating season*	First year Long-Term Monitoring: 1. Annual inspection of building 2. Sampling of IA during heating season* After first year Long-Term Monitoring: 1. Annual inspections of building 2. Sampling of IA every five years*

** Heating season is from November 1 to March 31 (winter).*

Note: Sub-slab soil gas sampling is required to be conducted in accordance with the Department's Vapor Intrusion Technical Guidance document to remove any long-term vapor intrusion monitoring from any building(s) from the Ground Water RAP; the sub-slab soil gas sampling results should be attached to this application or justification provided for the deviation of this sub-slab soil gas sampling requirement in Section K below, if applicable.

3. Indicate if any vapor intrusion engineering controls/mitigation systems are currently installed at any buildings as a result of this ground water contamination.

   If "Yes," indicate the type of vapor intrusion engineering control/mitigation system installed and attach an electronic copy of the OMM Plan for the vapor intrusion engineering control(s)/mitigation system(s) and indicate this in Section F above. The OMM Plan should identify the building(s) and/or structure(s) and vapor intrusion engineering control(s)/mitigation system(s) that are in place (e.g., active or passive), including the address and block and lot of each impacted property. Refer to *Table 6-1 Vapor Mitigation Verification and M&M Criteria* from the Vapor Intrusion Technical Guidance for the recommended long-term vapor intrusion monitoring/sampling plan for a Ground Water RAP with a vapor mitigation system(s) in place. The Vapor Intrusion Technical Guidance Document is available at http://www.nj.gov/dep/srp/guidance/index.html#vi.

   Note: Sub-slab soil gas and indoor air sampling is required to be conducted in accordance with the Department's Vapor Intrusion Technical Guidance document to remove any vapor intrusion engineering control(s)/mitigation system(s) installed at a building(s) from the Ground Water RAP; the sub-slab soil gas and indoor air sampling results should be attached to this application or justification provided for the deviation of this sub-slab soil gas and indoor air sampling requirement in Section K below, if applicable.

4. Indicate if any POET water systems are currently installed at any buildings as a result of this ground water contamination. If "Yes", attach an electronic copy of the OMM Plan for the POET water system(s) that are in place and indicate this in Section F above. The OMM Plan should provide the address and lot and block of each property with a POET water system in place. The sampling of the POET water system(s) should be included in the Ground Water Monitoring Plan for the site.

   Note: Potable well sampling is required to be conducted to remove any POET water system(s) for a potable well(s) from the Ground Water RAP; the potable well sampling results should be attached to this application or justification provided for the deviation of this potable well sampling requirement in Section K below, if applicable.

5. Indicate if any potable wells that do not have a POET water system are currently being sampled regularly as a result of this ground water contamination. If "Yes", include these potable wells in the Ground Water Monitoring Plan for the site.

Section K. Other Information Provided

List any other pertinent information to support the Ground Water RAP Modification Application, including any other Soil or Ground Water RAPs applied for or obtained. This section can also be used for professional judgement justification, compliance averaging, variances from rules/guidance, etc.

Section L. Person Responsible for Conducting the Remediation Information and Certification

The certification in this section shall be signed and dated by the person responsible for conducting the remediation. The certification in this section shall ***not*** be signed by the LSRP or law firm hired to assist the owner or operator with their compliance obligations. The certification required in this section shall be executed as follows:

1. For a corporation or limited liability company, by a principal executive officer of at least the level of vice president; or
2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
3. For a municipality, state, Federal or other public agency, by either a principal executive officer or ranking elected official; or
4. By a duly authorized representative of the corporation, partnership, sole proprietorship, municipality, state or Federal or other public agency, as applicable. A person is deemed to be a duly authorized representative if the person is authorized in writing by an individual described in 1, 2 or 3 above and the authorization meets the following criteria:
   i. The authorization specifies either an individual or a position having responsibility for the overall operation of the industrial establishment or activity, such as the position of plant manager, or a superintendent or person of equivalent responsibility (a duly authorized representative may thus be either a named individual or any individual occupying a named position);
   ii. The written authorization is submitted to the NJDEP along with the certification; and
   iii. If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the industrial establishment or activity, a new authorization satisfying the requirements of this section shall be submitted to the NJDEP prior to or together with any reports, information, or applications to be signed by an authorized representative.

- Provide the full legal name of the person responsible for conducting the remediation;
- Provide the full name of the representative of the person responsible for conducting the remediation, pursuant to N.J.A.C. 7:26C-1. Enter “Same” if the representative is the same person as the person responsible for conducting the remediation;
- Provide the title of the representative of the person responsible for conducting the remediation;
- Provide the telephone number, extension number, and fax number of the representative of the person responsible for conducting the remediation;
- Provide the mailing address, including the city/town, state, and zip code of the representative of the person responsible for conducting the remediation;
- Provide the email address of the representative of the person responsible for conducting the remediation;
- The representative for the person responsible for conducting the remediation shall provide:
  - ❖ His/her signature where indicated;
  - ❖ His/her name and title (i.e., President, CEO); and
  - ❖ The date when the signing occurred.

Section M. Current Owner of the Site Information and Certification

The certification in this section shall be signed and dated by the person who owns the property. The certification in this section shall ***not*** be signed by the LSRP or law firm hired to assist the owner or operator with their compliance obligations. The certification required in this section shall be executed as follows:

1. For a corporation or limited liability company, by a principal executive officer of at least the level of vice president; or
2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
3. For a municipality, state, Federal or other public agency, by either a principal executive officer or ranking elected official; or
4. By a duly authorized representative of the corporation, partnership, sole proprietorship, municipality, state or Federal or other public agency, as applicable. A person is deemed to be a duly authorized representative if the person is authorized in writing by an individual described in 1, 2 or 3 above and the authorization meets the following criteria:
   i. The authorization specifies either an individual or a position having responsibility for the overall operation of the industrial establishment or activity, such as the position of plant manager, or a superintendent or person of equivalent responsibility (a duly authorized representative may thus be either a named individual or any individual occupying a named position);
   ii. The written authorization is submitted to the NJDEP along with the certification; and

iii. If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the industrial establishment or activity, a new authorization satisfying the requirements of this section shall be submitted to the NJDEP prior to or together with any reports, information, or applications to be signed by an authorized representative.

- Provide the full legal name of the person who owns the property;
- Provide the full name of the representative of the person who owns the property, pursuant to N.J.A.C. 7:26C-1. Enter "Same" if the representative is the same person as the person who owns the property;
- Provide the title of the representative of the person who owns the property;
- Provide the telephone number, extension number, and fax number of the representative of the person who owns the property;
- Provide the mailing address, including the city/town, state, and zip code of the representative of the person who owns the property;
- Provide the email address of the representative of the person who owns the property;
- The representative for the person who owns the property shall provide:
  - His/her signature where indicated;
  - His/her name and title (i.e., President, CEO); and
  - The date when the signing occurred.

Note: There may be circumstances where the current property owner signature cannot be obtained. In these situations, a copy of the completed permit application excluding the current property owner signature should be provided to the property owner. To document that the current property owner was provided a copy of the permit application, a copy of the letter transmitting the permit application needs to be included with the application submitted to the NJDEP.

Section N. Licensed Site Remediation Professional Information and Statement

- Provide the LSRP ID Number.
- Provide the name, phone number, email and mailing address (city/town, state, zip code) of the LSRP.
- The certification in this section shall be signed and dated by the LSRP.