



New Jersey Department of Environmental Protection  
Site Remediation Program

**INSTRUCTIONS FOR THE ALTERNATIVE SOIL REMEDIATION STANDARD AND/OR  
SCREENING LEVEL APPLICATION FORM**

## General Instructions

**1. Applicability:** Use this form to:

- a. Notify the New Jersey Department of Environmental Protection (NJDEP) of the implementation of **alternative direct contact exposure pathway soil remediation standards, site-specific impact to ground water exposure pathway soil remediation standards, or alternative vapor intrusion screening levels** that do not require NJDEP pre-approval; and/or
- b. Request NJDEP pre-approval for those **alternative direct contact exposure pathway soil remediation standards, site-specific impact to ground water exposure pathway soil remediation standards, or alternative vapor intrusion screening levels** that require NJDEP pre-approval.

See the Remediation Standards, N.J.A.C. 7:26D-7.3 and 7.4 ([http://www.nj.gov/dep/srp/regs/rs/rs\\_rule.pdf](http://www.nj.gov/dep/srp/regs/rs/rs_rule.pdf)), and Section B1 of this document to determine when NJDEP pre-approval is and is not required.

**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://nj.gov/dep/srp/srra/forms/>.

**3. Signatures:** The form must be signed by the person responsible for conducting the remediation.

Please make sure you check the appropriate box with regards to the signatory requirements as it pertains to the current status of the case; i.e.: non-LSRP (existing cases) – cases that have been with the NJDEP prior to November 3, 2009 and are NOT regulated underground storage tanks (USTS); LSRP – cases that have come into the NJDEP on or after November 3, 2009 or have an approved Request To Proceed Without NJDEP Pre-Approvals Form; or Subsurface Evaluator – for existing regulated UST cases and cases with unregulated heating oil tanks (UHOT) where you are an NJDEP licensed Subsurface Evaluator. Insure that the corresponding signature page is included with the form.

Be advised that the Non-LSRP option will only be available until May 7, 2012. Also, the Subsurface Evaluator option will only be available on forms specific to the UHOT Program after May 7, 2012.

**4. Submittal:** This form may be submitted to the NJDEP at any time, either as a stand-alone document or as part of a preliminary assessment report, site investigation report, remedial investigation report, remedial action workplan, or remedial action report. If submitted as a stand-alone document, the person responsible for conducting the remediation shall ensure that all required supporting information and documentation are included for the NJDEP to determine the acceptability of the proposed alternative soil remediation standard, site-specific impact to ground water soil remediation standard, and/or alternative vapor screening level.

Completed forms should be sent to:

Bureau of Case Assignment & Initial Notice  
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);
- **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 be the mailing address;
- **Municipality:** Provide the name of the municipality and indicate if it is a township, a borough, or a city. NOTE: This should be the name of the municipality and not the local name;
- **County:** Provide the name of the county where the site is located;
- **Zip code:** self-explanatory

- **Program Interest (PI) Numbers** The PI Number is assigned by the NJDEP and can be obtained via the web at <http://www.nj.gov/dep/srp/> (DEP DATA MINER REPORTS). If this is a new site with no previous SRP involvement, leave blank.
- **Case Tracking Numbers:** Provide all NJDEP generated site identification numbers (Hotline incident numbers, UST Notice of Intent to Close numbers, ISRA numbers, etc.);

## Section B. Alternative Standards or Screening Levels Requested/implemented

### Summary Table

List the chemical name and indicate the type of ARS or screening level for each ARS or screening Level that is being requested or implemented, and indicate if NJDEP pre-approval is required. See item 2. below to determine if NJDEP pre-approval is required. If more than one ARS or screening level is being requested or implemented for a contaminant, list each request/notice on a separate line.

### ARS/Screening Level Details

Complete one Request/Notice block for each ARS or screening level being requested or implemented.

1. Enter the chemical name and CAS Number
2. Indicate whether any of the requested alternative direct contact soil remediation standards, site-specific impact to ground water soil remediation standards, or vapor intrusion screening levels require NJDEP pre-approval.

To determine whether NJDEP pre-approval is required, see Remediation Standards, N.J.A.C. 7:26D-7.3 and 7.4 ([http://www.nj.gov/dep/srp/regs/rs/rs\\_rule.pdf](http://www.nj.gov/dep/srp/regs/rs/rs_rule.pdf)), and the following:

#### Direct Contact Exposure Pathway

##### Ingestion-Dermal Exposure Pathway

- NJDEP pre-approval required for any alternative soil remediation standard developed for the ingestion-dermal exposure pathway.

##### Inhalation Exposure Pathway

###### NJDEP Pre-Approval Not Required

- Alternative remediation standards developed based on site-specific conditions that support modification of input parameters for the models used to develop alternative remediation standards pursuant to N.J.A.C. 7:26D-Appendix 5, and using the NJDEP "Inhalation Exposure Pathway Alternative Remediation Standards Calculation Spreadsheet" ([http://www.nj.gov/dep/srp/guidance/rs/inhalation\\_ars.xls](http://www.nj.gov/dep/srp/guidance/rs/inhalation_ars.xls)).

###### NJDEP Pre-Approval Required

- Any alternative remediation standards developed based on either (a) new toxicity information, pursuant to N.J.A.C. 7:26D-7.3(b)1, or (b) new or alternative modeling, pursuant to N.J.A.C. 7:26D-7.3(b)2.

#### Site-Specific Impact to Ground Water Exposure Pathway Soil Remediation Standards

##### NJDEP Pre-Approval Not Required

- Remediation standards developed using the NJDEP "Guidance for the Use of the Synthetic Precipitation Leachate Procedure to Develop Site-Specific Impact to Ground Water Remediation Standards" ([http://www.nj.gov/dep/srp/guidance/rs/splp\\_guidance.pdf](http://www.nj.gov/dep/srp/guidance/rs/splp_guidance.pdf)) and the NJDEP "SPLP Spreadsheet" ([http://www.nj.gov/dep/srp/guidance/rs/splp\\_spreadsheet.xls](http://www.nj.gov/dep/srp/guidance/rs/splp_spreadsheet.xls)).
- Remediation standards developed using the NJDEP "Guidance Document Development of Site-Specific Impact to Ground Water Soil Remediation Standards Using the Soil-Water Partition Equation" ([http://www.nj.gov/dep/srp/guidance/rs/partition\\_equation.pdf](http://www.nj.gov/dep/srp/guidance/rs/partition_equation.pdf)) and the NJDEP "Soil Water Partition Equation spreadsheet" ([http://www.nj.gov/dep/srp/guidance/rs/partition\\_equation.xls](http://www.nj.gov/dep/srp/guidance/rs/partition_equation.xls)).
- Remediation standards developed using the NJDEP "Guidance for the Determination of the Dilution-Attenuation Factor for the Impact to Ground Water Pathway" (<http://www.nj.gov/dep/srp/guidance/rs/daf.pdf>) and the NJDEP "DAF Calculator Spreadsheet" ([http://www.nj.gov/dep/srp/guidance/rs/daf\\_calc.xls](http://www.nj.gov/dep/srp/guidance/rs/daf_calc.xls)).

##### NJDEP Pre-Approval Required

- Remediation standards developed using the NJDEP "Guidance Document Using the SESOIL Transport Model to Assess the Impact to Ground Water Pathway" (vadose zone modeling) (<http://www.nj.gov/dep/srp/guidance/rs/sesoil.pdf>).

- Remediation standards developed using the NJDEP “Guidance for Using the SESOIL and AT123D Models to Develop Site Specific Impact to Ground Water Soil Remediation Standards” (vadose zone/saturated zone modeling) ([http://www.nj.gov/dep/srp/guidance/rs/at123d\\_guidance.pdf](http://www.nj.gov/dep/srp/guidance/rs/at123d_guidance.pdf)).

### Alternative Vapor Intrusion Screening Level

- NJDEP pre-approval is required for any alternative vapor intrusion screening level.

Note: Any alternative remediation standard or vapor intrusion screening level developed using methodology which is not detailed in current guidance or regulation requires pre-approval by the NJDEP.

3. Enter the concentration range of the chemical found on site. Include units.
4. Indicate the type of ARS pathway or screening level for which alternative standard or screening level is being requested.
5. Indicate if the exposure scenario is residential or non residential.
6. Provide the existing promulgated direct contact soil remediation standard, default impact to ground water soil remediation standard, or the generic vapor intrusion screening level. Include units.
7. Provide the proposed direct contact alternative soil remediation standard, site-specific impact to ground water soil remediation standard, or alternative vapor intrusion screening level. Include units. If an alternative standard is being proposed for the IGW pathway using the SESOIL or SESOIL/AT123 model, attach a table showing the proposed contaminant concentration as a function of depth, using a depth resolution of 1 foot. If an alternative standard is being proposed for the Inhalation pathway using an alternate depth range of contamination, indicate this depth range next to the standard on the form.
8. Indicate if the Sesoil Model or Sesoil/AT123 Model was used. If either model was used attach an Impact to Ground Water Alternative Remediation Standard Sesoil Model Table that identifies the ARS by depth interval.

### Additional Documentation

Provide a detailed rationale and documentation to support each proposed direct contact exposure pathway alternative soil remediation standard, site-specific impact to ground water exposure pathway soil remediation standard, and vapor intrusion screening level, including but not limited to the following:

- a. New chemical toxicity;
- b. New risk assessment methodology or models;
- c. Alternative land use planned for the site; and/or
- d. Site-specific conditions that support modification of input parameters for models used to develop the direct contact exposure pathway alternative soil remediation standard and/or site-specific impact to ground water exposure pathway soil remediation standard pursuant to N.J.A.C. 7:26D Appendices 4 and 5.

### Section C. 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 licensed site remediation professional 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. See N.J.A.C. 7:26C-1 to determine who can sign the form.
- The person responsible for conducting the remediation should note by placing an X in the box if there have been no changes since the last submittal.

**Section D. Based on the current case status i.e., non-LSRP (Existing Cases), LSRP and Subsurface Evaluator, please complete the appropriate signature requirements below:**

**Non-LSRP Site Remediation Professional Statement**

- Provide the name, phone number, email and mailing address (city/town, state, zip code) of the Site Remediation Professional (Consultant).
- The statement shall be signed and dated by the Site Remediation Professional.
- The Non-LSRP Site Remediation Professional should note by placing an "X" in the box if there have been no changes since the last submittal.

**Licensed Site Remediation Professional Information and Statement**

- LSRP ID Number: Note the Licensed Site Remediation Professional ID Number.
- Provide the name, phone number, email and mailing address (city/town, state, zip code) of the Licensed Site Remediation Professional.
- The Licensed Site Remediation Professional should note the level of oversight he/she provided by placing an "X" in appropriate box(es).
- The certification in this section shall be signed and dated by the Licensed Site Remediation Professional.
- The Licensed Site Remediation Professional should note by placing an "X" in the box if there have been no changes since the last submittal.

**Subsurface Evaluator UST Report Certification Form**

- The certification in this section shall be signed and dated by the Subsurface Evaluator. Include the evaluator's name, UST certification number, the firm's name, the firm's UST certification number, address (city/town, state, zip code) and telephone number.
- The Subsurface Evaluator should note by placing an "X" in the box if there have been no changes since the last submittal.