Instructions for Completing the General Permit Registration Form for the Discharge of Groundwater Remediation Wastewaters

Use these instructions to complete the registration form for the General Permit for the Discharge of Groundwater Remediation Wastewaters (DEEP-WPED-REG-027). These instructions are not a substitute for the requirements of any relevant statutes or regulations. You should review all applicable laws prior to completing the registration form. Remember, it is your responsibility to comply with all applicable laws.

A completed registration form must be submitted for each site.

Introduction

The Water Permitting, and Enforcement Division (WPED) of the Department of Energy and Environmental Protection (DEEP) regulates discharges to the waters of the state, including surface water, ground water and Publicly Owned Treatment Works (POTW) (which includes sanitary sewers), to prevent pollution of the waters of the state and to prevent adverse impacts upon the operation of POTWs.

DEEP uses individual and general permits, as well as emergency or temporary authorizations to regulate discharges of groundwater remediation wastewater. Individual permits and authorizations are issued directly to an applicant, whereas general permits are permits issued to authorize similar activities by one or more registrants throughout a prescribed geographic area. Authorization of an activity under a general permit is governed by that general permit. A general permit sets terms and conditions for conducting an activity which, when complied with, are protective of the environment. General permits are a quicker and more cost effective way to permit specific activities for both the department and the applicant.

Any questions that you may have regarding the WPED general permit program should be directed to 860-424-3025.

Who May Apply for General Permit Authorization?

Any person that discharges “Groundwater Remediation Wastewater”, as defined in Section 2 of the general permit, may register to obtain authorization under this general permit. “Groundwater remediation wastewater” means wastewater generated in connection with investigating pollution or remediating polluted groundwater, sediment or soil. Groundwater remediation wastewater includes without limitation groundwater withdrawn from a groundwater recovery well; groundwater which collects in an excavation or foundation drain or other subsurface facility or structure; groundwater contaminated runoff and stormwater impacted by on-site pollutants from any construction activity; condensate resulting from construction or maintenance of a soil vapor extraction system; washdown or
backwash wastewater from treatment facilities; well development wastewater, and wastewater generated by removing an underground storage tank or by developing, testing, sampling, or purging a well, or by maintaining treatment facilities.

Any person proposing to transfer a DEEP license must submit a completed License Transfer Form (DEP-APP-006) and transfer fee to DEEP. The License Transfer Form may be used for changes in owners and operators of the licensed activity. If other changes are proposed to the facility, the site, and/or to facility operations, the proposed transferee must also request a permits/license modification. Please note that not all permits/licenses are transferable. For further information concerning license transfers or to obtain a License Transfer Form, please contact the Permit Assistance Office at 860-424-3003.

How To Apply

Your general permit registration must include the following:

- an original General Permit Registration Form for the Discharge of Groundwater Remediation Wastewater, (DEEP-WPED-REG-027), and

- all necessary supporting documents attached (Attachments A-L as applicable), and

- the applicable fee.

You must submit the above materials together as a package to:

CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

Refer to the Available Resources Section at the end of these instructions to obtain all required documents related to the subject general permit.

When submitting your general permit registration, label your supporting documents as directed on your registration form and always include, on each document, the registrant's name as indicated on the Registration Form. When additional space is necessary to answer a question stated in the registration, please insert additional sheets by the appropriate question. Label each sheet with the applicant’s/registrant's name as indicated on the Registration Form, along with the corresponding part number and question number indicated on the general permit registration form. You should retain a copy of all documents for your files.

Part I: Registration Type

Select the appropriate box to specify if the registration is for a new authorization under a general permit, (also indicate if it is a transfer of ownership or replacement of an existing individual permit or registration); a reregistration of an existing authorization under a general permit, or a modification of an existing authorization under a general permit. If your activity has been formerly licensed by an individual permit, or other authorization, or if you are applying for a renewal or modification of an existing general permit authorization, please identify the previous or existing permit/authorization number in the space provided and the expiration date of the existing license.

Provide the town location and a brief description of the activity.

Part II: Discharge and Fee Information

All discharges from one site must be filed on one registration form. For multiple discharges, only pay the higher fee; either $625.00 for discharges requiring Registration Only, or a fee of $1,250 for discharges requiring an Approval of Registration. Note that the fee for an Approval of Registration must be submitted only if identified in Section 3(b)(1)(B)(i) through (xi) of the General Permit. Approvals required under Section 3(b)(1)(B)(xii) of the General Permit do not
require the higher fee.

Each site requires a separate registration and fee. The registration will not be processed without the fee. The payment should be in the form of a check or money order made payable to “Department of Energy and Environmental Protection”. For municipalities, the 50% discount applies and fees are waived for single family residences.

Part III: Registrant Information

If there are any changes or corrections to your company/facility or individual mailing or billing address or contact information, please complete and submit the Request to Change Company/Individual Information to the address indicated on the form. If there is a change in name of the entity holding a DEEP license or a change in ownership, contact the Office of Planning and Program Development (OPPD) at 860-424-3003. For any other changes you must contact the specific program from which you hold a current DEEP license.

When completing this part, please use the following standards:

- **Registrant Name** - Provide the full, legal company/firm name. (If identifying an entity registered with the Secretary of the State, fill in the name exactly as it is shown on such registration. Please note, for those entities registered with the Secretary of State, the registered name will be the name used by DEEP. This information can be accessed at CONCORD). If identifying an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.). If the registrant is a governmental body, identify the city or town of such body followed by the relevant department, board or division.

- **Contact Person** - Provide the name of the specific individual within the company whom DEEP may contact.

- **E-Mail** – Registrants must provide an accurate email address when completing their registration form. The email address may be used for future correspondence from the DEEP to your business.

1. **Registrant** - Complete the information concerning the registrant.

2. **Billing Contact** – If the registrant is not the billing contact, complete this section.

3. **Primary Contact** - If you have authorized a consultant, engineer, attorney or other individual to act for you during the processing of this approval of registration, complete this section. DEEP will direct copies of all correspondence and inquiries to this primary contact. Please be aware that for legal reasons there will be circumstances when DEEP will notify the registrant instead of the primary contact.

4. **Attorney or other representative** – If the registrant has designated an attorney or other person to represent them on this project, list here.

5. **Facility Operator** - If the registrant is not the operator of the affected facility, complete this section.

6. **Facility Owner** - If the registrant is not the owner of the affected facility, complete this section.

7. **Engineers or Consultants** - List any engineers or other consultants employed or retained to assist in preparing the registration or to design, construct or operate the proposed activity. Be sure to identify the service that is being provided by each.
Part IV: Site Information

1. Site Location

The site name, if applicable, should be the name by which the site is commonly known and/or uniquely identified.

The information given as the location address should be the address of the property at which the proposed activity will take place. Include the street address and municipality. If the property does not have a street number, describe the location in terms of the distance and direction from an obvious landmark such as an intersection with another roadway, a bridge, or a river. For example, “... on River Street, approximately 1000 feet north of its intersection with Bear Swamp Road.”

2. Indian Lands

Check the appropriate box to specify if the activity which is the subject of the registration is or will be located on federally recognized Indian lands.

3. Coastal Management Act Consistency

Activities within the state's coastal area must be consistent with the Connecticut Coastal Management Act, i.e., sections 22a-90 through 22a-112 of the Connecticut General Statutes (CGS). You may be required to complete a Coastal Consistency Review Form (DEEP-APP-004) to demonstrate that the activity is consistent with the standards and policies of the Connecticut Coastal Management Act. To determine whether this requirement pertains to you, you must first decide if your activity is, or is proposed to be, located in either the coastal area or the coastal boundary.

The coastal area, as defined in CGS section 22a-94 (a), includes the land and water within the following towns:

- Branford
- Bridgeport
- Chester
- Clinton
- Darien
- Deep River
- East Haven
- Guilford
- Hamden
- Ledyard
- Lyme
- Madison
- Milford
- Montville
- Old Saybrook
- Orange
- Preston
- Shelton
- Stamford
- Stonington (Borough and Town of)
- Old Lyme
- Norwalk
- Norwich
- North Haven
- Norwalk
- North Haven

The coastal boundary, as defined in CGS section 22a-94(b), is a designated region within the coastal area. It is delineated on DEEP-approved coastal boundary maps which are available for review at the DEEP Office of Long Island Sound Programs (OLISLP), the DEEP File Room, and municipal offices of towns located in the coastal area. Copies of these maps may also be purchased from DEEP Maps and Publications. The map can also be viewed at: www.cteco.uconn.edu/map_catalog.asp

Activities within the coastal boundary:

If your activity is, or is proposed to be, located in the coastal boundary, and you are applying for a new authorization or a modification of an existing authorization where the physical footprint of the subject activity changes, you must complete a Coastal Consistency Review Form (DEEP-APP-004) and submit it with your registration as Attachment C.

For renewals or other modifications located within the coastal boundary, you are not required to submit a Coastal Consistency Review Form with your initial registration materials. However, DEEP may notify you that submission of this form is required to process your registration depending upon the specific activities to be conducted and their potential impact on coastal resources.

Activities outside the coastal boundary but within the coastal area:

For general permit registrations for activities located outside of the coastal
boundary, but within a town in the coastal area, you are not required to submit a *Coastal Consistency Review Form* with your initial registration materials. However, DEEP may notify you that submission of this form is required to process your registration depending upon the specific activities to be conducted and their potential impact on coastal resources.

If you need copies of the *Coastal Consistency Review Form*, refer to the Available Resources Section at the end of these instructions. For assistance in completing the form, or if you have questions on this process, call the Office of Long Island Sound Programs (OLISP) at 860-424-3034.

4. **Natural Diversity Data Base (NDDB) - Endangered or Threatened Species**

Section 26-310 (a) of the Connecticut General Statutes states that each state agency, in consultation with the DEEP commissioner, shall conserve endangered and threatened species and their essential habitats, and shall ensure that any activity authorized, funded or performed by such agency does not threaten the continued existence of any endangered or threatened species or result in the destruction or adverse modification of habitat designated as essential to such species.

Please refer to “Requests for Natural Diversity Data Base State Listed Species Reviews” located on the DEEP website at: [www.ct.gov/deep/nddbrequest](http://www.ct.gov/deep/nddbrequest) to determine if your activity, including any areas beyond the immediate footprint of the project and beyond the property line that will be either directly or indirectly affected, is located within an area identified as, or otherwise known to be, a habitat for endangered, threatened or special concern species. Include areas such as equipment and materials staging areas, areas receiving discharge and dredge material disposal areas. If applicable, prior to submitting the subject registration, you must submit a Request for NDDB State Listed Species Review” form (DEEP-APP-007) to NDDB. Please note that NDDB review generally takes 4 to 6 weeks and may require the registrant to produce additional documentation, such as ecological surveys, which must be completed prior to submitting the subject registration. A copy of the NDDB Determination response letter that has not expired must be submitted with the completed subject registration as Attachment D. Include a copy of any mitigation measures developed for this activity and approved by NDDB. Do not submit any NDDB Preliminary Site Assessments with your registration. Be aware that you must renew your NDDB Determination if it expires before project work commences.

5. **Aquifer Protection Areas**

Aquifer protection areas are defined in CGS section 22a-354a through 22a-354bb and are the areas that contribute water to public water supply wells. Many towns within the state are required to establish Aquifer Protection Areas. Level A areas are final, regulated areas under the aquifer protection program. Level B areas are preliminary approximations of aquifer protection areas that have not yet been mapped to final standards, so the shape of the area may change when final mapping is completed. Level B maps provide an approximation of the Aquifer Protection Areas.

Review the [Aquifer Protection Area](http://www.ct.gov/deep/nddbrequest) maps to determine if your site is located in a Level A or Level B mapped aquifer protection area and check the appropriate box.

If your site is within a Level A aquifer protection area and your business is registered with either the local aquifer protection agency or DEEP, then no action is required.

If your site is within a Level A aquifer protection area and your business is not
already registered, check the Table of Regulated Land Uses to determine if your activity is required to be registered under the Aquifer Protection Area Program. If you determine your activity is required to be registered, then contact the local aquifer protection agent or DEEP to take appropriate actions.

If your site is within a Level B aquifer protection area, then no action is required at this time. However, you may be required to register under the Aquifer Protection Area Program in the future when the area is delineated as Level A.

For more information on the Aquifer Protection Area Program visit the DEEP website at www.ct.gov/deep/aquiferprotection or contact the program at 860-424-3020.

6. Private or public well(s) within ¼ mile

The applicant must make a reasonable effort to identify the locations of any potable supply well within ¼ mile of the site. Availability of “city” water generally is an indicator that private wells are not in the immediate proximity. In all cases it is advised to contact the local health department to check for potable supply wells if there is any question of their presence. Please note that the presence of potable supply wells may also require that the registrant submit a notice of significant environmental hazard. Go to http://www.ct.gov/deep/cwp/view.asp?a=2715&q=324976&deepNav_GID=1626 for more information.

7. Conservation or Preservation Restriction

If the activity which is the subject of the registration is located within a conservation or preservation restriction area, proof of written notice of the registration to the holder of such restriction or a letter from the holder of such restriction verifying that the registration is in compliance with the terms of the restriction, must be submitted as Attachment E, in accordance with CGS section 47-42d. The municipality where the site is located may have information concerning such restrictions.

8. Identify other risks

Check the appropriate box if any of the specified risks or regulatory programs apply.

9. Groundwater Classification

Identify the groundwater classification at the site. If unknown, please call DEEP engineer of the day at (860) 424-3025.

10. Discharge receiving water

Check where the discharge will be directed to. Discharge to multiple receiving bodies can be authorized on a single registration.

11. Identify surface water if applicable

If the discharge is directed to a surface water (river, stream, lake, pond or reservoir), identify the waterbody and complete items 12 through 15.

12. Classification of surface water

Identify the water quality classification of the receiving waterbody. If unknown, please call DEEP engineer of the day at (860) 424-3025. If the classification is AA, discharge is not authorized until approved by DEEP and the Department of Public Health (DPH). Attachment K of the registration must be completed and approved by DPH prior to submittal to DEEP.

13. 7Q10 flow, or volume of the receiving water

Identify the low flow condition of the receiving stream or volume of lake, pond or impoundment. If identified as such, the Q99 can be substituted for 7Q10 in most cases. Q99 can be calculated from USGS STREAMSTATS website at:
https://water.usgs.gov/osw/streamstats/connecticut.html. If unable to otherwise ascertain a 7Q10 flow, please call the engineer of the day at (860) 424-3827.

The volume of lake, pond or other impoundment may be calculated from available sources. If no published information is available, a volume estimate may be calculated as (surface area) x (estimated average depth).

14. **Available dilution**

Calculate available dilution by dividing the volume from #13 by the maximum anticipated discharge flow. (Volume / Flow)

15. **Impaired water**

If the discharge is directed to an impaired water, complete and submit Attachment J.

16. **Identify the receiving POTW**

Only if the discharge is directed to a POTW, provide the name of the POTW receiving the discharge.

17. **Design Flow of the POTW**

The design flow should be available from the POTW and be included also in Attachment I.

18. **Identify the drainage basin if the discharge is directed to the ground or groundwater**

The applicant must identify the drainage basin and submit Attachment L for any discharge to the ground or groundwater.

**Part V: Activity Specific Information**

If any of the conditions listed in Part V, (i) through (xi) apply, then an Approval of Registration is required from the department before the discharge can be initiated. Check all that apply and check the “Approval of Registration” option in Part II of the registration form. If none of the conditions apply, check the “Registration Only” option in Part II of the registration form.

Complete the remaining sections of Part V by answering the questions as completely as possible. It is acceptable to attach additional pages if needed.

**Part VI: Mailing list**

List all parties who have received a copy of the registration. To the extent practical, include those required by the general permit as well as those copied as a courtesy.

**Part VII: Supporting Documents**

Check the appropriate box(es) for each attachment being submitted as verification that all applicable attachments have been submitted. Please label all attachments as referenced in the registration form and these instructions and be sure to include the name of the registrant as indicated on the registration form.

Attachments A, B, and G are required for all registrations. The following summarizes the requirements for other attachments.

**Attachment C: Coastal Consistency Review Form**

Activities within the state’s coastal area which includes the coastal boundary must be consistent with the Connecticut Coastal Management Act (CGS sections 22a-90 through 22a-112). You may be required to complete a Coastal Consistency Review Form (DEEP-APP-004) to demonstrate that the activity is consistent with the standards and policies of the Connecticut Coastal Management Act. Please refer to the instructions in Part IV, item 3, to determine if this requirement pertains to you.

**Attachment D: Natural Diversity Database (NDDB) - Endangered or Threatened Species Information**

Submit a copy of the NDDB Determination response letter that has not expired as Attachment D, as explained in Part IV, item 4 of these instructions.
Attachment E: Conservation or Preservation Restriction

If the property is subject to a conservation or preservation restriction, submit proof of written notice of this registration to the holder of such restriction or a letter from the holder of such restriction verifying that this registration is in compliance with the terms of the restriction, as Attachment E.

Attachment F: Professional Certification

If the discharge will have a duration of greater than 30 days, a Professional Certification Form must be submitted as Attachment F. If the original duration was anticipated to be less than 30 days, but site conditions required this be extended, certification may be submitted later as an amendment to the original registration.

Attachment G: Screening Form

A screening analysis must be submitted as Attachment G that is representative of the water to be discharged prior to treatment. You may use the Screening Form to submit your analysis. Analysis may be conducted on actual groundwater from a recovery system, or from monitoring wells that reasonably represent the groundwater to be pumped. If no other data can be obtained prior to registration, data from soil analysis may be used for the purpose of registration, but must be augmented with representative groundwater analysis within 30 days of wastewater being generated.

In some cases, monitoring data generated for other programs may be appropriate to use for the screening analysis. Examples include monitoring in response to spills or as required by the Remediation Standards Regulations. It may be appropriate to use this data for the screening analysis, even if analysis was done using methods not approved per 40 CFR 136. Contact the engineer of the day at (860) 424-3025 to establish whether this type of data is sufficient for submittal of a registration.

Results must be submitted for anticipated flow, if known, plus VOCs, TPH, Total metals (Cd, Cu, Fe, Pb, Hg), Total Nitrogen, Total Phosphorus, pH, temperature, TSS, and settleable solids.

Other pollutant parameters must be analyzed for if there is a reasonable expectation that they are present based on site use and history. Emerging contaminant analysis is likely to be limited to sites at which specific activities such as landfills, metal finishing waste disposal, fire fighting foam use, or specific manufacturing activities that have been identified as being a risk. Contact the engineer of the day if there are questions regarding this at (860) 424-3025.

Attachment H: Inspection Schedule

If the registrant proposes to conduct inspections less frequently than weekly (or monthly in specific cases), a proposed inspection protocol must be submitted for DEEP review. The schedule must include sufficient information to document that inspections will assure that treatment system components will at all times produce discharge(s) that complies with the general permit limits. The use of remote monitoring is encouraged.

Attachment I: POTW Approval

All discharges that are directed to a POTW, whether by sewer line at the site or if transported by hauler must be approved by the POTW receiving the discharge. The registrant must submit the Approval for Connection/Transport to a POTW Form as Attachment I. If the POTW issues a separate approval that includes all the information requested in DEEP’s Attachment I, the POTW’s written authorization will satisfy this requirement.

Any such approval must include the following information:

Part 1: A signed request from the registrant.

Part 2 An approval signed by a responsible official of the POTW.
**Part 3** Where a local sewer commission acts independently of the POTW (i.e. facilities that receive sewage from more than one town), and local ordinance requires that the commission also approves the discharge, the registrant must also have the local sewer commission approve the discharge.

Note that any requirement or condition specified by the POTW or commission in the approval becomes an enforceable requirement of the general permit.

**Attachment J: Impaired Waters**

If discharging to an impaired water, the registrant must follow the instructions in the registration form under Attachment J and submit the required documentation as Attachment J. Impaired waters can be found at: [http://www.ct.gov/deep/cwp/view.asp?a=2719&q=325610&deepNav_GID=1654](http://www.ct.gov/deep/cwp/view.asp?a=2719&q=325610&deepNav_GID=1654).

Note that submittal of Attachment J is not required if this is a continuation of a discharge previously authorized under an NPDES permit, general permit or emergency authorization.

**Attachment K: Department of Public Health (DPH) Approval**

DEEP shares responsibility for the protection of public water supply with DPH. If the discharge is directed to surface or groundwaters that contribute to a public water supply, the registrant must submit a copy of a written request to DPH for approval of the discharge and the written approval from DPH, if issued before submittal of the registration form as Attachment K. This applies to all sites where a discharge is directed to a Class AA stream (or any undesignated stream that is tributary to a Class AA waterbody) or to groundwaters designated as GAA, or to groundwaters in an Aquifer Protection Area. If this applies, DEEP will not process any registration without DPH approval and may reject the registration.

**Attachment L: Injection and monitoring plan**

For any registration that will include a groundwater discharge component, an injection and monitoring (I & M) plan must be submitted as part of the request for approval as Attachment L. Please note that the injections authorized under this general permit are limited to the activities specifically identified in the general permit and do not include the injection of in-situ remedial chemicals such as oxygen supplying compounds, chemical oxidants, carbon sources, stabilizing chemicals or other chemicals generally used for in-situ remediation.

The I & M plan must include sufficient detail to document the nature of all chemicals used, the procedures followed for the injection and recovery of such chemicals, the fate and transport of the chemicals, and any other information necessary for the DEEP to make a determination that this activity will not pose a risk to the environment. It is recommended that prior to submittal of any such plan that you speak to the engineer of the day at (860) 424-3827.

**Available Resources:**

Below is a list of possible resources for specific information required for this registration. Be sure to also check the DEEP website, [www.ct.gov/deep](http://www.ct.gov/deep) and your local town hall or library for maps and other reference materials.


For general assistance regarding completing the registration for the subject general permit, contact the Water Permitting and Enforcement Division at 860-424-3025.
For the subject general permit, registration form, instructions and other required documents visit the DEEP website at:
www.ct.gov/deep/waterdischargepermitapps

- Coastal Boundary Areas: Town Hall and/or DEEP Maps and Publications; "Coastal Boundary Map". Additional information: Office of Long Island Sound Programs: 860-424-3034
  o www.cteco.uconn.edu/map_catalog.asp
- Coastal Consistency Review Form
- Endangered or Threatened Species Areas: DEEP File Room; "State and Federal Listed Species and Natural Communities"; www.ct.gov/deep/endangeredspecies
- Aquifer Protection Area Maps: www.ct.gov/deep/aquiferprotection, DEEP Maps and Publications
- Pollution Prevention: A variety of pollution prevention publications are available from DEEP's Office of Pollution Prevention 860-424-3297
- State and federal statutes and regulations are available for review at various locations:
  On the web:
  - State Statutes: www.cga.ct.gov/lco/statutes-index.asp
  - DEEP website for Statutes and Regulations: www.ct.gov/deep/laws-regs

Book Format:
- State Library (Hartford)
- University Law Schools (UCONN-Hartford, Yale)
- Superior Courthouse Libraries (located throughout the state)
- Town Halls and Libraries (statutes)

Affirmative Action, Equal Employment Opportunity and Americans with Disabilities

The Connecticut Department of Energy and Environmental Protection is an Affirmative Action/Equal Opportunity Employer that is committed to complying with the requirements of the Americans with Disabilities Act (ADA). Please contact us at (860) 418-5910 or deep.accommodations@ct.gov if you: have a disability and need a communication aid or service; have limited proficiency in English and may need information in another language; or if you wish to file an ADA or Title VI discrimination complaint.