



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Title 5 Permitting

Approval of Alternative Technologies

BRP WP 61a Approval of Alternative Technology for Remedial Use

BRP WP 61b Approval of Alternative Technology for Piloting, Provisional Use, or
Certification for General Use

BRP WP 75a Modification of Approval or Certification for Alternative Technology

BRP WP 75b Renewal of Approval or Certification for Alternative Technology

Permit Fact Sheet

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Introduction

MassDEP *Permit Applications*, as well as *Instructions & Support Materials*, are available for download from the MassDEP Web site at www.mass.gov/dep/ in two file formats: Microsoft Word[®] and Adobe Acrobat PDF. Either format allows documents to be printed.

Instructions & Support Materials files in Microsoft Word[®] format contain a series of documents that provide guidance on how to prepare a permit application. Although we recommend that you print out the entire package, you may choose to print specific documents by selecting the appropriate page numbers for printing.

Permit Applications in Microsoft Word[®] format must be downloaded separately. Users with Microsoft Word 97 or later may complete these forms electronically.

Permitting packages in Adobe Acrobat PDF[®] format combine *Permit Applications* and *Instructions & Support Materials* in a single document. Adobe Acrobat PDF[®] files may only be viewed and printed without alteration. *Permit Applications* in this format may not be completed electronically.



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1. What is the purpose of these approvals?

The purpose of these approvals is to ensure that alternative Title 5 technologies, which have substitute or alternative components for one or more elements of a conventional on-site system, can provide the same or a higher degree of environmental and public health protection as a conventional system.

BRP WP 61a establishes an approval process for MassDEP review of alternative technologies proposed for remedial use. Remedial Use is intended to demonstrate that the alternative technology is likely to improve conditions at an existing facility served by a conventional system that has failed, is in the process of failing, or does not meet state standards.

BRP WP 61b establishes a three-tiered approval process for MassDEP review of alternative technologies as follows:

Piloting is intended to demonstrate that the technology proposed is likely to provide a level of environmental protection at least equal to that of a system designed and built in accordance with Title 5.

Provisional Approval is intended to evaluate alternative technologies that appear technically capable of providing levels of protection at least equivalent to those of standard on-site disposal systems. This approval will also determine whether, under actual field conditions, unrestricted use of the alternative technology will provide such protection, and whether any additional conditions addressing long-term operation and maintenance and monitoring considerations are necessary to ensure that such protection will be provided.

Certification for General Use is intended to facilitate the use, under appropriate conditions, of alternative technologies that have demonstrated levels of environmental protection at least equivalent to those of standard on-site systems.

BRP WP 75a establishes a modification process for existing approvals or certifications

BRP WP 75b establishes a renewal process for existing approvals or certifications that contain an expiration date.

2. Who must apply?

For BRP WP 61a and BRP WP 61b:

Developers of alternative technologies seeking approval for use of a technology that will treat and discharge to the ground sanitary wastewater up to 10,000 gallons per day.



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If this category does not apply to you, please be advised this is not the only category for discharges to the ground. Please consult regulations 310 CMR 4.00 and the Water Pollution Control Regulations (314 CMR 1.00 - 12.00), to determine whether another category may apply to you.

For BRP WP 75a

Developers of alternative technologies that have a MassDEP Title 5 approval or certification, and who wish to have the approval or certification modified.

For BRP WP 75b

Developers of alternative technologies that have a MassDEP Title 5 approval or certification with an expiration date, and who wish to have the approval or certification renewed. The renewal application must be submitted at least 180 days prior to the expiration date of the existing approval or certification.

3. What is the application fee?

| | | |
|------------|--|---------|
| BRP WP 61a | Approval of alternative Technology for Remedial Use | \$3,400 |
| BRP WP 61b | Approval of Alternative Technology for Piloting, Provisional Use, or Certification for General Use | \$3,400 |
| BRP WP 75a | Modification of Alternative Technology for Piloting, Provisional Use, or Certification for General Use | \$2,000 |
| BRP WP 75b | Renewal of Alternative Technology for Piloting, Provisional Use, or Certification for General Use | \$2,000 |

4. What is the Primary Permit Location? What is the Reserve Copy Location?

Primary Permit Location:

Department of Environmental Protection
Bureau of Resource Protection
Wastewater Management Program
One Winter Street, 5th Floor
Boston, MA 02108

There are no Reserve Copy Locations for these permits.

5. Where can I get a copy of the timelines?

The timelines are available on the MassDEP Website: www.mass.gov/dep/service/online/fees.htm



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6. What is the annual compliance fee?

There is **NO** annual compliance fee for these approvals.

7. How long are the approvals in effect?

These approvals are generally in effect for five years.

8. How can I avoid the most common mistakes made in applying for these approvals?

a. Review the application for completeness to be sure all questions are answered correctly.

9. What are the regulations that apply to these approvals? Where can I get copies?

These regulations include, but are not limited to:

- Timely Action Schedule and Fee Provisions, 310 CMR 4.00.
- Title 5 Regulations, 310 CMR 15.000;

These regulations may be purchased at:

State Bookstore
Massachusetts State House, Rm 116
Boston, MA 02133
(617) 727-2834

State Bookstore
436 Dwight Street
Springfield, MA 01103
(413) 784-1376

MassDEP Regulations also may be obtained from MassDEP's web site at <http://mass.gov/dep>.



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Application Completeness Checklist

- The MassDEP Transmittal Form has been completed with a unique Transmittal number:
<http://mass.gov/dep/service/online/trasmfrm.shtml>
- A MassDEP application form for the permit category BRP WP 61a, BRP WP 61b, BRP WP 75a or BRP WP 75b has been completed. The following information and attachments have been provided:
 - Identification of the type of MassDEP approval being sought.
 - Name, address, telephone, fax number and E-mail of legally responsible official.
 - Name, address and telephone number of contact person, if different from applicant.
 - Technology information including: name and model # of technology; performance data system description; alternative design standards; cost information; data regarding review, approval, or denial by other state jurisdictions; operation and maintenance requirements.
- To submit the application package:
 - Checklist items have been completed.
 - Send one copy of the application package along with the MassDEP Transmittal Form to:

Department of Environmental Protection
Bureau of Resource Protection
Wastewater Management Program
One Winter Street, 5th Floor
Boston, MA 02108

Department of Environmental Protection
PO Box 4062
Boston, MA 02211



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Approval of Alternative Technologies

BRP WP 61a, Approval of Alternative Systems for Remedial Use

BRP WP 61b, Approval of Alternative Systems for Piloting, Provisional Use, or Certification for General Use

BRP WP 75a, Modification of Alternative System Approval or Certification

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Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



If you press the enter or return key, please press the backspace key until the form returns to normal.

Please read the Instructions and Supporting Materials before filling out this form.

A. General Information

1. Permit Category:

- BRP WP61a Approval of Alternative Systems for Remedial Use
BRP WP61b Approval of Alternative Systems for Piloting Provisional Use, or Certification for General Use
BRP WP75a Modification of Alternative System Approval or Certification
BRP WP75b Renewal of Alternative System Approval or Certification

If a modification or renewal, which type

- Remedial Use Piloting
Provisional Use Certification for General Use

An applicant is considered to be the firm, individual, or other legal entity seeking or required to apply for a DEP approval or determination.

2. Applicant Information:

Legally Responsible Official

Company Name

Organizational Structure, i.e. corporation, partnership, etc. If corporation, state where incorporated

Street Address/PO Box City/Town State Zip Code

Telephone Number Fax Number Email Address

Contact Person

Company Name

Street Address/PO Box City/Town State Zip Code

Telephone Number Fax Number Email Address

Person to be contacted in the event of questions with this application.

If contact and applicant are the same person, write "same".



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B. Technology Information

1. Indicate trade name of the technology and model numbers:

| | |
|--------------------------|---------------|
| _____ | _____ |
| Trade name of technology | Model numbers |
| _____ | _____ |
| Trade name of technology | Model numbers |
| _____ | _____ |
| Trade name of technology | Model numbers |
| _____ | _____ |
| Trade name of technology | Model numbers |

2. Approval for:

Indicate the type of use for which the approval is being sought.

| | |
|--|--|
| <input type="checkbox"/> Remedial Use | <input type="checkbox"/> Provisional Use |
| <input type="checkbox"/> Certification for General Use | <input type="checkbox"/> Modification |
| <input type="checkbox"/> Piloting | <input type="checkbox"/> Renewal |

3. Performance Data:

Is testing or performance data available for the system or has new testing or performance data become available since the last application filed with DEP? For Modifications or Renewals, has additional data become available?

Yes No

If yes, indicate source of data and attach copies:

| | |
|---------------------------------------|--|
| <input type="checkbox"/> Other states | <input type="checkbox"/> Independent third parties |
| <input type="checkbox"/> NSF | <input type="checkbox"/> Other |

4. Briefly describe the alternative system (attach additional sheets if necessary):



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B. Technology Information (cont.)

5. Indicate the proposed alternative design standards for which approval is being sought:

- Alternative leaching system Enhanced nitrogen removal credit
- Alternative loading rates and leach field sizing
- Other (please specify design standard):

Provide specific proposed alternative design standards, referencing relevant portions of Title 5 regulations. Attach additional pages as needed.

6. Cost information (not needed for renewals):

Provide any cost information concerning this technology. Attach documents as needed.

7. Approvals/Denials:

Has your alternative technology been approved or denied in other states? For modifications or renewals, has the system been approved or denied in other states since your last filing with MA

- Yes (Please attach copies of state approval or denial letters)
- No



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B. Technology Information (cont.)

8. Operation and Maintenance: Summarize O&M requirements and attach an operation and maintenance manual, including information on substances that should not be discharged to the system, a maintenance checklist, and a recommended schedule for maintenance (attach additional sheets if necessary). Electronic copies of this information will be required at time of approval; do not send electronic copies with this application.

New Applications:
describe the design and O&M requirements.

Modifications or Renewals:
describe any design or O&M change being proposed or implemented since the last application.

9. Sampling Protocol: Attach a standard protocol for sampling in accordance with the latest edition of Standard Methods for the Examination of Water and Wastewater, including recommended sampling ports and locations. For Renewals, attach any recommended changes to the sampling protocol since the last application.

10. Minimum installation requirements: Describe installation procedures for the units, including any special requirements (attach additional sheets if necessary):

New Applications:
describe the minimum requirements for installation.

Modifications or Renewals:
describe any change since last application.

B. Technology Information (cont.)

11. Training program for operators, designers, and installers: Outline a training program and proposed training schedule (attach additional sheets if necessary):

New Applications:
describe the training program and provide outline.

Modifications or Renewals:
describe any change since last application.



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C. Certification

"I certify under penalty of law that this document and all attachments, to the best of my knowledge and belief, are true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Applicant's signature

Date

Print Name

Name of Preparer