

Permittee: Pan Am Southern Railway 1700 Iron Horse Park Billerica, Massachusetts 01862-1689

Permit conditions:

1. The permittee shall contact the Agency one (1) day prior to initiating this permit.
2. The permittee shall coordinate one (1) use inspection with the Agency.
3. This permit authorizes the use of pesticides in the railroad ballast during this calendar year in the town of Pownal. This permit does not allow for treatment to control terrestrial invasive plant species, if not required to meet the safety and public health needs. This permit in no way authorizes the applicant to use pesticides on real estate where it has no lawful right to do so.
4. Ballast maintenance activities, defined as the mechanical plowing, brooming, tamping or regulating of treated stone ballast, will not occur for thirty (30) days or until one (1) inch of rain has fallen following application, unless the application is a glyphosate-application. These same activities are prohibited for five days following a glyphosate-only application.
5. All distances described in this permit are horizontal (lateral) measurements.
6. The spray width shall be no greater than twelve (12) feet from either side of the centerline of the tracks or no greater than the width of the ballast, or as specified below.

Where safe, practical, **and** consistent with other buffers and conditions required by this permit:

- a. The spray width at public and designated private *road crossings* will extend twenty-four (24) feet from centerline on either side for 300 feet preceding and 300 feet proceeding the crossing.
 - b. The spray width for *whistle posts* shall be no greater than twelve (12) feet from centerline on the opposite side of the rail from the whistle post. The spray width may extend out to a maximum width of twenty-four (24) feet on the side of the whistle post. This extended width may begin no farther than twenty (20) feet preceding the whistle post and end no later than twenty (20) feet following the whistle post.
 - c. The spray width for *mile posts* shall be no greater than twenty-four (24) feet from centerline. Applications of up to this twenty-four (24) feet width may begin up to no farther than twenty (20) feet preceding the mile post and end no later than twenty (20) feet following the mile post.
 - d. Applications around signal cases and masts, stored material and railroad yard applications must be in accordance with the product label.
7. At least one certified applicator shall be a member of each application crew. All label recommendations and requirements for protective clothing shall be adhered to for all applicators.
 8. Proof of public notification as detailed in the permit application shall be provided to the Agency as proof that the notification occurred (e.g., copies of newspaper tear sheets, invoices).
 9. Pesticides shall not enter the waters of the State. Buffers to water are:

- a. Applications made **parallel** to surface water shall have a visible limit of ten (10) feet from the edge of the water when spraying glyphosate-only products, or a visible distance of fifteen (15) feet when spraying any other permitted products or mixture thereof.
 - i. In areas where the parallel water's edge is less than ten (10) feet, but farther than two (2) feet from the shoulder, only aquatically labeled glyphosate-only applications may be within the railroad tie (tie end-to-tie end).
- b. Applications made at a surface water **crossing** shall have a visible limit of thirty (30) feet from the water's edge.
- c. Aquatically-labeled glyphosate products may be applied up to two (2) feet from the edge of water crossings, bridge abutments or culverts containing water, by hy-rail application equipment traveling at two (2) miles per hour

10. Public and private water supplies are to be avoided.

- a. Applications shall not be made within 200 feet of a public drinking water source. For sources supplied by surface water the buffer shall be measured from the shoreline. Surface waters in a source protection area that contribute to the source shall have a buffer of 100 feet.
- b. Applications shall not be made within 100 feet of private drinking water source; as identified by the Vermont ANR Atlas, through well owner notification to the permittee, or identified in the field.

11. A copy of this permit and current maps identifying both public and private water supplies shall be provided to the applicator for use during application.

12. Spray reports shall be submitted by the pesticide applicator to the Agency of Agriculture on a weekly basis.

Records may be mailed to:

VAAFPM-Public Health Agricultural Resource Management Division
116 State Street, Montpelier, VT 05620

Alternatively, they may be submitted electronically to:
Erica.Cummings@vermont.gov

13. The following pesticides may be applied at the rates listed below and in accordance with the label:

Product name	EPA registration number	Rate not to exceed
Aquaneat	228-365	1 quart per acre in a tank mix 2 quart per acre if only product used
Esplanade 200 SC	432-1516	4.0 ounces per acre
Method 240 SL	432-1565	8.0 ounces per acre
Oust XP	432-1552	4.0 ounces per acre

14. In the event the permittee sub-contracts or assigns any of the applications authorized by this permit, the permittee shall continue to remain responsible for the conditions of this permit. This condition does not relieve any sub-contractor or assignee from compliance.

15. All operations shall be conducted in accordance with the representations made by the permittee in its permit application under these permit conditions unless, and until, the permit is amended.
16. Applications in rail yards are to be conducted at times of low pedestrian traffic to limit human exposure.
17. The Secretary reserves the right to further limit or restrict the application of pesticides approved under this permit as conditions or circumstances warrant.

This permit application was reviewed by the Vermont Pesticide Advisory Council and forwarded with recommendation to the Secretary.

Dated May 5, 2020

E-SIGNED by Anson Tebbetts
on 2020-05-05 09:43:50 GMT

Anson B. Tebbetts, Secretary
Agency of Agriculture, Food & Markets

Permittee: Central Maine & Quebec Railway 700 Main Street, Bangor, Maine 04401

Permit conditions:

1. The permittee shall contact the Agency one (1) day prior to initiating this permit.
2. The permittee shall coordinate one (1) use inspection with the Agency.
3. This permit authorizes the use of pesticides in the railroad ballast this calendar year in the towns of Richford, North Troy, Newport Center and Newport. This permit does not allow for treatment to control terrestrial invasive plant species, if not required to meet the safety and public health needs. This permit in no way authorizes the applicant to use pesticides on real estate where it has no lawful right to do so.
4. Ballast maintenance activities, defined as the mechanical plowing, brooming, tamping or regulating of treated stone ballast, will not occur for thirty (30) days or until one (1) inch of rain has fallen following application, unless the application is a glyphosate-application. These same activities are prohibited for five days following a glyphosate-only application.
5. All distances described in this permit are horizontal (lateral) measurements.
6. The spray width shall be no greater than twelve (12) feet from either side of the centerline of the tracks or no greater than the width of the ballast, or as specified below.

Where safe, practical, **and** consistent with other buffers and conditions required by this permit:

- a. The spray width at public and designated private *road crossings* will extend twenty-four (24) feet from centerline on either side for 300 feet preceding and 300 feet proceeding the crossing.
 - b. The spray width for *whistle posts* shall be no greater than twelve (12) feet from centerline on the opposite side of the rail from the whistle post. The spray width may extend out to a maximum width of twenty-four (24) feet on the side of the whistle post. This extended width may begin no farther than twenty (20) feet preceding the whistle post and end no later than twenty (20) feet following the whistle post.
 - c. The spray width for *mile posts* shall be no greater than twenty-four (24) feet from centerline. Applications of up to this twenty-four (24) feet width may begin up to no farther than twenty (20) feet preceding the mile post and end no later than twenty (20) feet following the mile post.
 - d. Applications around signal cases and masts, stored material and railroad yard applications must be in accordance with the product label.
7. At least one certified applicator shall be a member of each application crew. All label recommendations and requirements for protective clothing shall be adhered to for all applicators.
 8. Proof of public notification as detailed in the permit application shall be provided to the Agency as proof that the notification occurred (e.g., copies of newspaper tear sheets, invoices).

9. Pesticides shall not enter the waters of the State. Buffers to water are:
- a. Applications made **parallel** to surface water shall have a visible limit of 10 feet from the edge of the water when spraying glyphosate-only products, or a visible distance of 15 feet when spraying any other permitted products or mixture thereof.
 - i. In areas where the parallel water's edge is less than ten (10) feet, but farther than two (2) feet from the shoulder, only aquatically labeled glyphosate-only applications may be within the railroad tie (tie end-to-tie end).
 - b. Applications made at a surface water **crossing** shall have a visible limit of thirty (30) feet from the water's edge.
 - c. Aquatically-labeled glyphosate products may be applied up to two (2) feet from the edge of water crossings, bridge abutments or culverts containing water, by hy-rail application equipment traveling at two (2) miles per hour.
10. Public and private water supplies are to be avoided.
- a. Applications shall not be made within 200 feet of a public drinking water source. For sources supplied by surface water the buffer shall be measured from the shoreline. Surface waters in a source protection area that contribute to the source shall have a buffer of 100 feet.
 - b. Applications shall not be made within 100 feet of private drinking water source; as identified by the Vermont ANR Atlas, through well owner notification to the permittee, or identified in the field.
11. A copy of this permit and current maps identifying both public and private water supplies shall be provided to the applicator for use during application.
12. Spray reports shall be submitted by the pesticide applicator to the Agency of Agriculture on a weekly basis.

Records may be mailed to:

VAAFPM - Public Health Agricultural Resource Management Division
 116 State Street, Montpelier, VT 05620

Alternatively, they may be submitted electronically to:
 Erica.Cummings@vermont.gov

13. The following pesticides may be applied at the rates listed below and in accordance with the label:

Product name	EPA registration number	Rate not to exceed
Aquaneat	228-365	1 quart per acre in a tank mix 2 quart per acre if only product used
Esplanade 200 SC	432-1516	4.0 ounces per acre
Method 240 SL	62719-537	8.0 ounces per acre
Oust XP	432-1552	4.0 ounces per acre

14. In the event the permittee sub-contracts or assigns any of the applications authorized by this permit, the permittee shall continue to remain responsible for the conditions of this permit. This condition does not relieve any sub-contractor or assignee from compliance.
15. All operations shall be conducted in accordance with the representations made by the permittee in its permit application under these permit conditions unless, and until, the permit is amended.
16. Applications in rail yards are to be conducted at times of low pedestrian traffic to limit human exposure.
17. The Secretary reserves the right to further limit or restrict the application of pesticides approved under this permit as conditions or circumstances warrant.

This permit application was reviewed by the Vermont Pesticide Advisory Council and forwarded with recommendation to the Secretary.

Dated May 5, 2020

E-SIGNED by Anson Tebbetts
on 2020-05-05 09:43:36 GMT

Anson B. Tebbetts, Secretary
Agency of Agriculture, Food & Markets

Permittee: Clarendon & Pittsford Railroad, 118 Post Road Rutland, Vermont 05701

Permit conditions:

1. The permittee shall contact the Agency one (1) day prior to initiating this permit.
2. The permittee shall coordinate one (1) use inspection with the Agency.
3. This permit authorizes the use of pesticides in the railroad ballast this calendar year in the towns of Fair Haven, Castleton, Ira, West Rutland, Rutland Town and Pittsford. This permit does not allow for treatment to control terrestrial invasive plant species, if not required to meet the safety and public health needs. This permit in no way authorizes the applicant to use pesticides on real estate where it has no lawful right to do so.
4. Ballast maintenance activities, defined as the mechanical plowing, brooming, tamping or regulating of treated stone ballast, will not occur for thirty (30) days or until one (1) inch of rain has fallen following application, unless the application is a glyphosate-application. These same activities are prohibited for five days following a glyphosate-only application.
5. All distances described in this permit are horizontal (lateral) measurements.
6. The spray width shall be no greater than twelve (12) feet from either side of the centerline of the tracks or no greater than the width of the ballast, or as specified below.

Where safe, practical, **and** consistent with other buffers and conditions required by this permit:

- a. The spray width at public and designated private *road crossings* will extend twenty-four (24) feet from centerline on either side for 300 feet preceding and 300 feet proceeding the crossing.
 - b. The spray width for *whistle posts* shall be no greater than twelve (12) feet from centerline on the opposite side of the rail from the whistle post. The spray width may extend out to a maximum width of twenty-four (24) feet on the side of the whistle post. This extended width may begin no farther than twenty (20) feet preceding the whistle post and end no later than twenty (20) feet following the whistle post.
 - c. The spray width for *mile posts* shall be no greater than twenty-four (24) feet from centerline. Applications of up to this twenty-four (24) feet width may begin up to no farther than twenty (20) feet preceding the mile post and end no later than twenty (20) feet following the mile post.
 - d. Applications around signal cases and masts, stored material and railroad yard applications must be in accordance with the product label.
7. At least one certified applicator shall be a member of each application crew. All label recommendations and requirements for protective clothing shall be adhered to for all applicators.
 8. Proof of public notification as detailed in the permit application shall be provided to the Agency as proof that the notification occurred (e.g., copies of newspaper tear sheets, invoices).

9. Pesticides shall not enter the waters of the State. Buffers to water are:
- a. Applications made **parallel** to surface water shall have a visible limit of ten (10) feet from the edge of the water when spraying glyphosate-only products, or a visible distance of fifteen (15) feet when spraying any other permitted products or mixture thereof.
 - i. In areas where the parallel water's edge is less than ten (10) feet, but farther than two (2) feet from the shoulder, only aquatically labeled glyphosate-only applications may be within the railroad tie (tie end-to-tie end).
 - b. Applications made at a surface water **crossing** shall have a visible limit of thirty (30) feet from the water's edge.
 - c. Aquatically-labeled glyphosate products may be applied up to two (2) feet from the edge of water crossings, bridge abutments or culverts containing water, by hy-rail application equipment traveling at two (2) miles per hour.
10. Public and private water supplies are to be avoided.
- a. Applications shall not be made within 200 feet of a public drinking water source. For sources supplied by surface water the buffer shall be measured from the shoreline. Surface waters in a source protection area that contribute to the source shall have a buffer of 100 feet.
 - b. Applications shall not be made within 100 feet of private drinking water source; as identified by the Vermont ANR Atlas, through well owner notification to the permittee, or identified in the field.
11. A copy of this permit and current maps identifying both public and private water supplies shall be provided to the applicator for use during application.
12. Spray reports shall be submitted by the pesticide applicator to the Agency of Agriculture on a weekly basis.

Records may be mailed to:

VAAFPM – Public Health Agricultural Resource Management Division
 116 State Street, Montpelier, VT 05620

Alternatively, they may be submitted electronically to:
Erica.Cummings@vermont.gov

13. The following pesticides may be applied at the rates listed below and in accordance with the label:

Product name	EPA registration number	Rate not to exceed
Aquaneat	228-365	1 quart per acre in a tank mix 2 quart per acre if only product used
Esplanade 200 SC	432-1516	4.0 ounces per acre
Method 240 SL	62719-537	8.0 ounces per acre
Oust XP	432-1552	4.0 ounces per acre

14. In the event the permittee sub-contracts or assigns any of the applications authorized by this permit, the permittee shall continue to remain responsible for the conditions of this permit. This condition does not relieve any sub-contractor or assignee from compliance.
15. All operations shall be conducted in accordance with the representations made by the permittee in its permit application under these permit conditions unless, and until, the permit is amended.
16. Applications in rail yards are to be conducted at times of low pedestrian traffic to limit human exposure.
17. The Secretary reserves the right to further limit or restrict the application of pesticides approved under this permit as conditions or circumstances warrant.

This permit application was reviewed by the Vermont Pesticide Advisory Council and forwarded with recommendation to the Secretary.

Dated May 5, 2020

E-SIGNED by Anson Tebbetts
on 2020-05-05 09:43:23 GMT

Anson B. Tebbetts, Secretary
Agency of Agriculture, Food & Markets

Permittee: Green Mountain Railroad 118 Post Street Rutland, Vermont 05701

Permit conditions:

1. The permittee shall contact the Agency one (1) day prior to initiating this permit.
2. The permittee shall coordinate one (1) use inspection with the Agency.
3. This permit authorizes the use of pesticides in the railroad ballast this calendar year in the towns of Rockingham (Bellows Falls) Chester, Cavendish, Ludlow, Mount Holly, East Wallingford, Shrewsbury, Rutland Town and Rutland City. This permit does not allow for treatment to control terrestrial invasive plant species, if not required to meet the safety and public health needs. This permit in no way authorizes the applicant to use pesticides on real estate where it has no lawful right to do so.
4. Ballast maintenance activities, defined as the mechanical plowing, brooming, tamping or regulating of treated stone ballast, will not occur for thirty (30) days or until one (1) inch of rain has fallen following application, unless the application is a glyphosate-application. These same activities are prohibited for five days following a glyphosate-only application.
5. All distances described in this permit are horizontal (lateral) measurements.
6. The spray width shall be no greater than twelve (12) feet from either side of the centerline of the tracks or no greater than the width of the ballast, or as specified below.

Where safe, practical, **and** consistent with other buffers and conditions required by this permit:

- a. The spray width at public and designated private *road crossings* will extend twenty-four (24) feet from centerline on either side for 300 feet preceding and 300 feet proceeding the crossing.
 - b. The spray width for *whistle posts* shall be no greater than twelve (12) feet from centerline on the opposite side of the rail from the whistle post. The spray width may extend out to a maximum width of twenty-four (24) feet on the side of the whistle post. This extended width may begin no farther than twenty (20) feet preceding the whistle post and end no later than twenty (20) feet following the whistle post.
 - c. The spray width for *mile posts* shall be no greater than twenty-four (24) feet from centerline. Applications of up to this twenty-four (24) feet width may begin up to no farther than twenty (20) feet preceding the mile post and end no later than twenty (20) feet following the mile post.
 - d. Applications around signal cases and masts, stored material and railroad yard applications must be in accordance with the product label.
7. At least one certified applicator shall be a member of each application crew. All label recommendations and requirements for protective clothing shall be adhered to for all applicators.
 8. Proof of public notification as detailed in the permit application shall be provided to the Agency as proof that the notification occurred (e.g., copies of newspaper tear sheets, invoices).

9. Pesticides shall not enter the waters of the State. Buffers to water are:
- a. Applications made **parallel** to surface water shall have a visible limit of ten (10) feet from the edge of the water when spraying glyphosate-only products, or a visible distance of fifteen (15) feet when spraying any other permitted products or mixture thereof.
 - i. In areas where the parallel water's edge is less than ten (10) feet, but farther than two (2) feet from the shoulder, only aquatically labeled glyphosate-only applications may be within the railroad tie (tie end-to-tie end).
 - b. Applications made at a surface water **crossing** shall have a visible limit of thirty (30) feet from the water's edge.
 - c. Aquatically-labeled glyphosate products may be applied up to two (2) feet from the edge of water crossings, bridge abutments or culverts containing water, by hy-rail application equipment traveling at two (2) miles per hour.
10. Public and private water supplies are to be avoided.
- a. Applications shall not be made within 200 feet of a public drinking water source. For sources supplied by surface water the buffer shall be measured from the shoreline. Surface waters in a source protection area that contribute to the source shall have a buffer of 100 feet.
 - b. Applications shall not be made within 100 feet of private drinking water source; as identified by the Vermont ANR Atlas, through well owner notification to the permittee, or identified in the field.
11. A copy of this permit and current maps identifying both public and private water supplies shall be provided to the applicator for use during application.
12. Spray reports shall be submitted by the pesticide applicator to the Agency of Agriculture on a weekly basis.

Records may be mailed to:

VAAF – Public Health Agricultural Resource Management Division
 116 State Street, Montpelier, VT 05620

Alternatively, they may be submitted electronically to:
Erica.Cummings@Vermont.gov

13. The following pesticides may be applied at the rates listed below and in accordance with the label:

Product name	EPA registration number	Rate not to exceed
Aquaneat	228-365	1 quart per acre in a tank mix 2 quart per acre if only product used
Esplanade 200 SC	432-1516	4.0 ounces per acre
Method 240 SL	62719-537	8.0 ounces per acre
Oust XP	432-1552	4.0 ounces per acre

14. In the event the permittee sub-contracts or assigns any of the applications authorized by this permit, the permittee shall continue to remain responsible for the conditions of this permit. This condition does not relieve any sub-contractor or assignee from compliance.
15. All operations shall be conducted in accordance with the representations made by the permittee in its permit application under these permit conditions unless, and until, the permit is amended.
16. Applications in rail yards are to be conducted at times of low pedestrian traffic to limit human exposure.
17. The Secretary reserves the right to further limit or restrict the application of pesticides approved under this permit as conditions or circumstances warrant.

This permit application was reviewed by the Vermont Pesticide Advisory Council and forwarded with recommendation to the Secretary.

Dated May 5, 2020

E-SIGNED by Anson Tebbetts
on 2020-05-05 09:43:08 GMT

Anson B. Tebbetts, Secretary
Agency of Agriculture, Food & Markets

Permittee: Washington County Railroad-Connecticut River Division; 118 Post Street, Rutland, Vermont 05701

Permit conditions:

1. The permittee shall contact the Agency one (1) day prior to initiating this permit.
2. The permittee shall coordinate one (1) use inspection with the Agency.
3. This permit authorizes the use of pesticides in the railroad ballast during the calendar year in the towns of White River, Hartford, Wilder, Norwich, Thetford, Fairlee, Bradford, Newbury, Wells River, Newport, Coventry, Orleans, Barton, Sutton, West Burke, Lyndonville, St. Johnsbury, Passumpsic, Barnet and Ryegate. This permit does not allow for treatment to control terrestrial invasive plant species, if not required to meet the safety and public health needs. This permit in no way authorizes the applicant to use pesticides on real estate where it has no lawful right to do so.
4. Ballast maintenance activities, defined as the mechanical plowing, brooming, tamping or regulating of treated stone ballast, will not occur for thirty (30) days or until one (1) inch of rain has fallen following application, unless the application is a glyphosate-application. These same activities are prohibited for five days following a glyphosate-only application.
5. All distances described in this permit are horizontal (lateral) measurements.
6. The spray width shall be no greater than twelve (12) feet from either side of the centerline of the tracks or no greater than the width of the ballast, or as specified below.

Where safe, practical, **and** consistent with other buffers and conditions required by this permit:

- a. The spray width at public and designated private *road crossings* will extend twenty-four (24) feet from centerline on either side for 300 feet preceding and 300 feet proceeding the crossing.
 - b. The spray width for *whistle posts* shall be no greater than twelve (12) feet from centerline on the opposite side of the rail from the whistle post. The spray width may extend out to a maximum width of twenty-four (24) feet on the side of the whistle post. This extended width may begin no farther than twenty (20) feet preceding the whistle post and end no later than twenty (20) feet following the whistle post.
 - c. The spray width for *mile posts* shall be no greater than twenty-four (24) feet from centerline. Applications of up to this twenty-four (24) feet width may begin up to no farther than twenty (20) feet preceding the mile post and end no later than twenty (20) feet following the mile post.
 - d. Applications around signal cases and masts, stored material and railroad yard applications must be in accordance with the product label.
7. At least one certified applicator shall be a member of each application crew. All label recommendations and requirements for protective clothing shall be adhered to for all applicators.
 8. Proof of public notification as detailed in the permit application shall be provided to the Agency as proof that the notification occurred (e.g., copies of newspaper tear sheets, invoices).

9. Pesticides shall not enter the waters of the State. Buffers to water are:
- a. Applications made **parallel** to surface water shall have a visible limit of ten (10) feet from the edge of the water when spraying glyphosate-only products, or a visible distance of fifteen (15) feet when spraying any other permitted products or mixture thereof.
 - i. In areas where the parallel water's edge is less than ten (10) feet, but farther than two (2) feet from the shoulder, only aquatically labeled glyphosate-only applications may be within the railroad tie (tie end-to-tie end).
 - b. Applications made at a surface water **crossing** shall have a visible limit of 30 feet from the water's edge.
 - c. Aquatically-labeled glyphosate products may be applied up to two (2) feet from the edge of water crossings, bridge abutments or culverts containing water, by hy-rail application equipment traveling at two (2) miles per hour.
10. Public and private water supplies are to be avoided.
- a. Applications shall not be made within 200 feet of a public drinking water source. For sources supplied by surface water the buffer shall be measured from the shoreline. Surface waters in a source protection area that contribute to the source shall have a buffer of 100 feet.
 - i. A buffer of 500 feet shall be provided to the Barnet Fire District #2 well.
 - b. Applications shall not be made within 100 feet of private drinking water source; as identified by the Vermont ANR Atlas, through well owner notification to the permittee, or identified in the field.
11. A copy of this permit and current maps identifying both public and private water supplies shall be provided to the applicator for use during application.
12. Spray reports shall be submitted by the pesticide applicator to the Agency of Agriculture on a weekly basis.

Records may be mailed to:

VAAF – Public Health Agricultural Resource Management Division
 116 State Street, Montpelier, VT 05620

Alternatively, they may be submitted electronically to:
Erica.Cummings@vermont.gov

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14. In the event the permittee sub-contracts or assigns any of the applications authorized by this permit, the permittee shall continue to remain responsible for the conditions of this permit. This condition does not relieve any sub-contractor or assignee from compliance.
15. All operations shall be conducted in accordance with the representations made by the permittee in its permit application under these permit conditions unless, and until, the permit is amended.
16. Applications in rail yards are to be conducted at times of low pedestrian traffic to limit human exposure.
17. The Secretary reserves the right to further limit or restrict the application of pesticides approved under this permit as conditions or circumstances warrant.

This permit application was reviewed by the Vermont Pesticide Advisory Council and forwarded with recommendation to the Secretary.

Dated May 5, 2020

E-SIGNED by Anson Tebbetts
on 2020-05-05 09:42:49 GMT

Anson B. Tebbetts, Secretary
Agency of Agriculture, Food & Markets

Permittee: Vermont Railway, Inc. 118 Post Street Rutland, Vermont 05701

Permit conditions:

1. The permittee shall contact the Agency one (1) day prior to initiating this permit.
2. The permittee shall coordinate one (1) use inspection with the Agency.
3. This permit authorizes the use of pesticides in the railroad ballast during this calendar year in the towns of Burlington, South Burlington, Shelburne, Charlotte, Vergennes, Ferrisburgh, New Haven, Middlebury, Salisbury, Leicester, Brandon, Pittsford, Rutland Town, Rutland City, Clarendon, Wallingford, Danby, Dorset, Manchester, Sunderland, Arlington, Shaftsbury, Bennington and Mount Tabor. This permit does not allow for treatment to control terrestrial invasive plant species, if not required to meet the safety and public health needs. This permit in no way authorizes the applicant to use pesticides on real estate where it has no lawful right to do so.
4. Ballast maintenance activities, defined as the mechanical plowing, brooming, tamping or regulating of treated stone ballast, will not occur for thirty (30) days or until one (1) inch of rain has fallen following application, unless the application is a glyphosate-application. These same activities are prohibited for five days following a glyphosate-only application.
5. All distances described in this permit are horizontal (lateral) measurements.
6. The spray width shall be no greater than twelve (12) feet from either side of the centerline of the tracks or no greater than the width of the ballast, or as specified below.

Where safe, practical, **and** consistent with other buffers and conditions required by this permit:

- a. The spray width at public and designated private *road crossings* will extend twenty-four (24) feet from centerline on either side for 300 feet preceding and 300 feet proceeding the crossing.
 - b. The spray width for *whistle posts* shall be no greater than twelve (12) feet from centerline on the opposite side of the rail from the whistle post. The spray width may extend out to a maximum width of twenty-four (24) feet on the side of the whistle post. This extended width may begin no farther than twenty (20) feet preceding the whistle post and end no later than twenty (20) feet following the whistle post.
 - c. The spray width for *mile posts* shall be no greater than twenty-four (24) feet from centerline. Applications of up to this twenty-four (24) feet width may begin up to no farther than twenty (20) feet preceding the mile post and end no later than twenty (20) feet following the mile post.
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7. At least one certified applicator shall be a member of each application crew. All label recommendations and requirements for protective clothing shall be adhered to for all applicators.
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9. Pesticides shall not enter the waters of the State. Buffers to water are:
- a. Applications made **parallel** to surface water shall have a visible limit of ten (10) feet from the edge of the water when spraying glyphosate-only products, or a visible distance of fifteen (15) feet when spraying any other permitted products or mixture thereof.
 - i. In areas where the parallel water's edge is less than ten (10) feet, but farther than two (2) feet from the shoulder, only aquatically labeled glyphosate-only applications may be within the railroad tie (tie end-to-tie end).
 - b. Applications made at a surface water **crossing** shall have a visible limit of thirty (30) feet from the water's edge.
 - c. Aquatically-labeled glyphosate products may be applied up to two (2) feet from the edge of water crossings, bridge abutments or culverts containing water, by hy-rail application equipment traveling at two (2) miles per hour.
10. Public and private water supplies are to be avoided.
- a. Applications shall not be made within 200 feet of a public drinking water source. For sources supplied by surface water the buffer shall be measured from the shoreline. Surface waters in a source protection area that contribute to the source shall have a buffer of 100 feet.
 - b. Applications shall not be made within 100 feet of private drinking water source; as identified by the Vermont ANR Atlas, through well owner notification to the permittee, or identified in the field.
11. A copy of this permit and current maps identifying both public and private water supplies shall be provided to the applicator for use during application.
12. Spray reports shall be submitted by the pesticide applicator to the Agency of Agriculture on a weekly basis.

Records may be mailed to:

VAAF – Public Health Agricultural Resource Management Division
 116 State Street, Montpelier, Vermont 05620

Alternatively, they may be submitted electronically to:
Erica.cummings@vermont.gov

13. The following pesticides may be applied at the rates listed below and in accordance with the label:

Product name	EPA registration number	Rate not to exceed
Aquaneat	228-365	1 quart per acre in a tank mix 2 quart per acre if only product used
Esplanade 200 SC	432-1516	4.0 ounces per acre
Method 240 SL	62719-537	8.0 ounces per acre
Oust XP	432-1552	4.0 ounces per acre

14. Applications between Maple and College Streets in Burlington shall be made under the following conditions:

- a. Application shall not occur on a weekend or holiday;
- b. Application shall be made during prior to 6:00 AM;
- c. The permittee shall notify the Agency twenty-four (24) hours prior to application being made; and

* Esplanade 200 SC was permitted in this area in 2020 as the adjacent bike path is closed to pedestrian traffic.

15. In the event the permittee sub-contracts or assigns any of the applications authorized by this permit, the permittee shall continue to remain responsible for the conditions of this permit. This condition does not relieve any sub-contractor or assignee from compliance.
16. All operations shall be conducted in accordance with the representations made by the permittee in its permit application under these permit conditions unless, and until, the permit is amended.
17. Applications in rail yards are to be conducted at times of low pedestrian traffic to limit human exposure.
18. The Secretary reserves the right to further limit or restrict the application of pesticides approved under this permit as conditions or circumstances warrant.

This permit application was reviewed by the Vermont Pesticide Advisory Council and forwarded with recommendation to the Secretary.

Dated May 5, 2020

E-SIGNED by Anson Tebbetts
on 2020-05-05 09:42:35 GMT

Anson B. Tebbetts, Secretary
Agency of Agriculture, Food & Markets

Permittee: Washington County Railroad (Barre), 118 Post Street Rutland, Vermont 05701

Permit conditions:

1. The permittee shall contact the Agency one (1) day prior to initiating this permit.
2. The permittee shall coordinate one (1) use inspection with the Agency.
3. This permit authorizes the use of pesticides in the railroad ballast this calendar year in the towns of Montpelier, Barre City, Barre Town, South Barre and Berlin. This permit does not allow for treatment to control terrestrial invasive plant species, if not required to meet the safety and public health needs. This permit in no way authorizes the applicant to use pesticides on real estate where it has no lawful right to do so.
4. Ballast maintenance activities, defined as the mechanical plowing, brooming, tamping or regulating of treated stone ballast, will not occur for thirty (30) days or until one (1) inch of rain has fallen following application, unless the application is a glyphosate-application. These same activities are prohibited for five days following a glyphosate-only application.
5. All distances described in this permit are horizontal (lateral) measurements.
6. The spray width shall be no greater than twelve (12) feet from either side of the centerline of the tracks or no greater than the width of the ballast, or as specified below.

Where safe, practical, **and** consistent with other buffers and conditions required by this permit:

- a. The spray width at public and designated private *road crossings* will extend twenty-four (24) feet from centerline on either side for 300 feet preceding and 300 feet proceeding the crossing.
 - b. The spray width for *whistle posts* shall be no greater than twelve (12) feet from centerline on the opposite side of the rail from the whistle post. The spray width may extend out to a maximum width of twenty-four (24) feet on the side of the whistle post. This extended width may begin no farther than twenty (20) feet preceding the whistle post and end no later than twenty (20) feet following the whistle post.
 - c. The spray width for *mile posts* shall be no greater than twenty-four (24) feet from centerline. Applications of up to this twenty-four (24) feet width may begin up to no farther than twenty (20) feet preceding the mile post and end no later than twenty (20) feet following the mile post.
 - d. Applications around signal cases and masts, stored material and railroad yard applications must be in accordance with the product label.
7. Treatment in high-traffic/urban areas of Montpelier shall only occur prior to 6:00 a.m. The permittee shall notify the Agency twenty-four (24) hours prior to this application being made.
 8. At least one certified applicator shall be a member of each application crew. All label recommendations and requirements for protective clothing shall be adhered to for all applicators.
 9. Proof of public notification as detailed in the permit application shall be provided to the Agency as proof that the notification occurred (e.g., copies of newspaper tear sheets, invoices).
 10. Pesticides shall not enter the waters of the State. Buffers to water are:

- a. Applications made **parallel** to surface water shall have a visible limit of ten (10) feet from the edge of the water when spraying glyphosate-only products, or a visible distance of fifteen (15) feet when spraying any other permitted products or mixture thereof.
 - i. In areas where the parallel water's edge is less than ten (10) feet, but farther than two (2) feet from the shoulder, only aquatically labeled glyphosate-only applications may be within the railroad tie (tie end-to-tie end).
 - b. Applications made at a surface water **crossing** shall have a visible limit of thirty (30) feet from the water's edge.
 - c. Aquatically-labeled glyphosate products may be applied up to two (2) feet from the edge of water crossings, bridge abutments or culverts containing water, by hy-rail application equipment traveling at two (2) miles per hour.
11. Public and private water supplies are to be avoided.
- a. Applications shall not be made within 200 feet of a public drinking water source. For sources supplied by surface water the buffer shall be measured from the shoreline. Surface waters in a source protection area that contribute to the source shall have a buffer of 100 feet.
 - b. Applications shall not be made within 100 feet of private drinking water source; as identified by the Vermont ANR Atlas, through well owner notification to the permittee, or identified in the field.
12. A copy of this permit and current maps identifying both public and private water supplies shall be provided to the applicator for use during application.
13. Spray reports shall be submitted by the pesticide applicator to the Agency of Agriculture on a weekly basis.

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14. The following pesticides may be applied at the rates listed below and in accordance with the label:

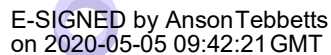
Product name	EPA registration number	Rate not to exceed
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15. In the event the permittee sub-contracts or assigns any of the applications authorized by this permit, the permittee shall continue to remain responsible for the conditions of this permit. This condition does not relieve any sub-contractor or assignee from compliance.

16. All operations shall be conducted in accordance with the representations made by the permittee in its permit application under these permit conditions unless, and until, the permit is amended.
17. Applications in rail yards are to be conducted at times of low pedestrian traffic to limit human exposure.
18. The Secretary reserves the right to further limit or restrict the application of pesticides approved under this permit as conditions or circumstances warrant.

This permit application was reviewed by the Vermont Pesticide Advisory Council and forwarded with recommendation to the Secretary.

Dated May 5, 2020

E-SIGNED by Anson Tebbetts
on 2020-05-05 09:42:21 GMT

Anson B. Tebbetts, Secretary
Agency of Agriculture, Food & Markets