

The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

September 11, 2012

Scott Hetrick, Sales Manager
NORWECO, Inc.
220 Republic Street
Norwalk, OH 44857

Subject: NORWECO Singulair[®] Bio-Kinetic[®] System

Dear Mr. Hetrick:

The New Hampshire Department of Environmental Services (DES) has reviewed data recently provided by NORWECO, Inc. You have requested a waiver to the provisions in Env-Wq 1016 to allow effluent disposal area (EDA) reduction to be changed from 50%, as granted in the approval letter dated October 29, 2001, up to 75% reduction in EDA sizing. Based on that data, DES hereby grants the requested waiver with the following conditions:

1. Individual sewage disposal systems (ISDS) using the Subject unit must be designed and installed in accordance with manufacturer's recommendations.
2. Double reductions will not be allowed. For example, you may not claim the allowable reduction for Large Diameter Graveless Pipe EDAs in a residential use, and then claim a 75% reduction of that reduced size. DES will not permit EDAs any smaller than $\frac{1}{4}$ of the size listed in Env-Wq 1016.
3. For any installation using a reduced EDA size per No. 2 above, except where the Subject unit is proposed to replace an existing failed system on an existing lot that predates DES subdivision regulations, the designer must include information on the design plans sufficient to document that it is possible to construct a full size EDA on the property.
4. All other design criteria of the overall ISDS using the Subject unit must comply with the provisions of Chapter Env-Wq 1000. A septic tank is required upstream of the Subject unit.
5. A copy of this letter shall accompany any specific ISDS design involving the use of the Subject unit under this approval which may be submitted to DES.

DES Web Site: www.des.nh.gov

P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095
Telephone: (603) 271-3503 Fax: (603) 271-6683 TDD Access: Relay NH 1-800-735-2964

6. Maintenance contracts, signed by the property owner, must be included with each ISDS application submitted for DES approval. The maintenance contract must remain in place for the life of the approved ISDS and work must be performed by a licensed wastewater treatment plant operator. DES expects that a Grade 1 operators license will be sufficient. NORWECO must notify the Subsurface Systems Bureau of any property owner who does not renew their maintenance contract prior to its expiration.

I hope this waiver approval meets your needs. If you have any questions, please contact me at 603-271-2904 or at robert.tardif@des.nh.gov.

Sincerely,

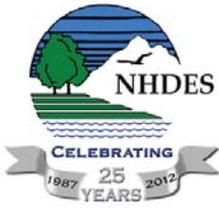


Robert A. Tardif, P.E.

Administrator

Subsurface Systems Bureau

CC: Rene Pelletier, P.G., Assistant Director, Water Division
Paul Heitzler, P.E., Administrator, Wastewater Engineering Bureau
Don Bach, Director of Sales, NORWECO, Inc.



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

October 29, 2012

Scott Hetrick, Sales Manager
NORWECO, Inc.
220 Republic Street
Norwalk, OH 44857

Subject: NORWECO Singulair[®] Bio-Kinetic[®] System-Waiver Amendment

Dear Mr. Hetrick:

The New Hampshire Department of Environmental Services (DES) has reviewed information provided by NORWECO, Inc received on October 19, 2012. You have requested an amendment to the waiver granted to you on September 11, 2012 relative to the provisions in Env-Wq 1016 to allow effluent disposal area (EDA) reduction to be changed from 50%, as granted in the approval letter dated October 29, 2001, up to 75% reduction in EDA sizing. Based on the your recent information, DES hereby grants the requested amendment by the removal of the sentence in condition #4 in the September 11, 2012 approval letter stating (A septic tank is required upstream of the Subject unit.) The amended waiver is granted with the following conditions:

1. Individual sewage disposal systems (ISDS) using the Subject unit must be designed and installed in accordance with manufacturer's recommendations.
2. Double reductions will not be allowed. For example, you may not claim the allowable reduction for Large Diameter Graveless Pipe EDAs in a residential use, and then claim a 75% reduction of that reduced size. DES will not permit EDAs any smaller than $\frac{1}{4}$ of the size listed in Env-Wq 1016.
3. For any installation using a reduced EDA size per No. 2 above, except where the Subject unit is proposed to replace an existing failed system on an existing lot that predates DES subdivision regulations, the designer must include information on the design plans sufficient to document that it is possible to construct a full size EDA on the property.
4. All other design criteria of the overall ISDS using the Subject unit must comply with the provisions of Chapter Env-Wq 1000.

5. A copy of this letter shall accompany any specific ISDS design involving the use of the Subject unit under this approval which may be submitted to DES.

6. Maintenance contracts, signed by the property owner, must be included with each ISDS application submitted for DES approval. The maintenance contract must remain in place for the life of the approved ISDS and work must be performed by a licensed wastewater treatment plant operator. DES expects that a Grade 1 operator's license will be sufficient. NORWECO must notify the Subsurface Systems Bureau of any property owner who does not renew their maintenance contract prior to its expiration.

I hope this amendment meets your needs. If you have any questions, please contact me at 603-271-2951 or Robert Tardiff at 271-2904 or at robert.tardif@des.nh.gov.

Sincerely,

Rene Pelletier
Asst Director
Water Division

CC: Robert Tardiff, P.E., DES
Paul Heitzler, P.E., Administrator, Wastewater Engineering Bureau
Don Bach, Director of Sales, NORWECO, Inc.