

FACT SHEET
RCRA PART B PERMIT RENEWAL
DYNO NOBEL, INC.
660 HOPMEADOW STREET, SIMSBURY, CONNECTICUT

(A) NAME AND LOCATION OF THE PERMITTEE.

Dyno Nobel, Inc.

660 Hopmeadow Street, Simsbury, Connecticut 06070

Contact Person: Johnny Barlow, Environmental Manager

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- (B) PERMIT TYPE. Dyno Nobel, Inc. (“the Permittee” or “DNI”) is engaged in the business of manufacturing and distributing commercial explosives used for applications such as quarrying, mining, construction and seismology. DNI seeks a renewal permit to continue the treatment and management of Wastes identified as listed and exhibits characteristics of Hazardous Wastes under the Resource Conservation and Recovery Act (“RCRA”) in accordance with the Regulations of Connecticut State Agencies (“RCSA”) Section 22a-449(c)-104. This Renewal Permit authorizes DNI for the treatment of Hazardous Wastes (off-specification explosive devices and metal-jacketed delay elements) generated by DNI in a Detonation Confinement Chamber (“DCC”) and in a Metal-Jacketed Delay Waste Recycling System (“Lead Grinding System” or “LGS”). In addition, this Renewal Permit authorizes DNI to continue accepting Wastes generated only by Ensign-Bickford Aerospace & Defense Company (“EBAD”) located on the east side of Hopmeadow Street, Simsbury, Connecticut for treatment in the DCC and LGS. Hazardous Wastes from DNI and EBAD that are pending DCC treatment are stored in Building Magazines 228B and 228C; and Hazardous Wastes from DNI and EBAD that are pending LGS treatment are stored in Building Number 74.

In addition, DNI seeks authorization renewal to continue performing testing of product materials in the DCC from DNI and EBAD for the sole purpose of research and development activities.

Except for the off-specification detonators, devices and/or components of detonators and devices, all other Hazardous Wastes generated on-site are shipped off-site for disposal.

The property is owned by Simsbury Hopmeadow Street, LLC. DNI is the sole member of Simsbury Hopmeadow Street, LLC. EBAD leases buildings from DNI.

- (C) PERMITTED HAZARDOUS WASTE MANAGEMENT UNITS. The Permitted Hazardous Waste Management Units are as follows:

- (1) DCC;
- (2) LGS;
- (3) Building Magazines 228B and 228C, storage of DNI and EBAD Wastes pending DCC treatment; and
- (4) Building 74, LGS, storage of DNI and EBAD Wastes pending LGS treatment.

- (D) PERMITTED CAPACITY.

- (1) DCC Treatment. The DCC shall comply with the following operational limits and operational conditions: 1) Maximum total shot weight per hour of 160 pounds; 2) Maximum total shot weight of 75,000 pounds over any consecutive twelve months; 3) Maximum net explosive weight (“NEW”) of 3.0 pounds per shot; 4) Maximum NEW of 5,625 pounds over any consecutive twelve months; and 5) maximum total weight per shot (per Detonation event) of 40 pounds.
 - (2) LGS Treatment. The maximum permitted treatment capacity for the LGS shall not exceed 2,250 tons per year or 1,500 pounds per hour of gross weight.
 - (3) Building Magazines 228B and 228C. The maximum Storage capacity for the Building Magazines 228B and C shall not exceed 150 pounds each of NEW.
 - (4) Building 74, LGS. The maximum Storage capacity shall not exceed more than thirty-seven (37)–5 gallon Containers or 1,480 pounds, of which no more than four (4) Containers or 160 pounds belong to EBAD and thirty-three (33) – 5 gallon Containers in the DNI Less than 90 Day Hazardous Waste Storage Area.
- (E) PERMITTED WASTES.
- (1) DCC Treatment: DNI will only treat in the DCC the following EPA Hazardous Wastes Codes - D003, D005, D007, D008 and D010. The treatment consists of the Detonation of explosive devices within the DCC to deactivate the reactivity characteristic (D003). Only Wastes with EPA Hazardous Waste Code D003 may be treated in this unit, although EPA Hazardous Waste Codes D005, D007, D008 and D010 may also be applicable to the Waste.
 - (2) LGS Treatment: DNI will only treat in the LGS the following EPA Hazardous Wastes Codes - D001, D005, D007, D008, D010.
 - (3) Storage in Building Magazines 228B and 228C. DNI will only store the following EPA Hazardous Waste Codes D003, D005, D007, D008 and D010 in Building Magazines 228B and 228C.
 - (4) Storage in Building 74, LGS. DNI will only store the following EPA Hazardous Wastes codes D001, D005, D007, D008, and D010 in Building 74.
- (F) SPECIFIC HAZARDOUS WASTE PROHIBITIONS. DNI is prohibited from managing the following wastes in the Hazardous Waste Management Units.
- (a) Class 2, Division 2.1 Material (Flammable Gas);
 - (b) Class 2, Division 2.2 Material (Non-Flammable Gas);
 - (c) Class 2, Division 2.3, Materials that are Poison by Inhalation, as defined in 49 CFR 173.115, 173.132 and/or 173.133;
 - (d) Class 3, Flammable liquids;
 - (e) Class 5, Division 5.2, Organic peroxides;
 - (f) Class 6, Division 6.2, Infections materials;
 - (g) Class 7, Radioactive materials;

- (h) Class 8, Corrosive liquids;
 - (i) Cryogenic liquids, as defined in 49 CFR 173.115(g);
 - (j) Any forbidden hazardous material identified in 49 CFR 173.21 and 173.54; and
 - (k) Gaseous oxidizers, as defined in NFPA 55.
- (G) PERMIT BASIS. The conditions of this Renewal Permit are based upon the RCSA adopted pursuant to Connecticut General Statutes (“CGS”) Section 22a-449(c), and upon the provisions of CGS Section 22a-6, as applicable. The RCSA have incorporated by reference the Federal (RCRA) Hazardous Waste Regulations. These Federal Regulations include the technical and administrative standards for Hazardous Waste facilities as identified by Title 40 of the Code of Federal Regulations CFR Parts 124, 264 and 270.
- (H) AVAILABLE MATERIALS. Materials available for inspection with respect to this permit include:
- (1) The RCRA Part B Hazardous Waste Facility Permit Application Renewal;
 - (2) The RCRA Draft Part B Hazardous Waste Facility Permit Renewal;
 - (3) The Notice of Tentative Determination;
 - (4) The Fact Sheet; and
 - (5) The Administrative Record of the RCRA Part B Permit Application Renewal reviews, approval, and permit writing development.

The above items listed as (1), (2), (3), (4) and (5) are available for inspection at the Department of Energy and Environmental Protection, Records File Room, 79 Elm Street, Hartford, CT 06106-5127, Tuesday, Wednesday and Thursday, 9:00 a.m. to 12:00 noon and 1:00 p.m. to 3:00 p.m.; Monday and Friday by appointment only. To schedule an appointment call (860) 424-4180, excluding state and/or Federal holidays.