



**FACT SHEET
RCRA PART B PERMIT RENEWAL
PRATT & WHITNEY
400 MAIN STREET, HARTFORD, CONNECTICUT**

- (A) **NAME AND LOCATION OF THE PERMITTEE:**
Pratt and Whitney, a Division of RTX Corporation
400 Main Street, East Hartford, Connecticut 06118
EPA ID No.: CTD 990672081
Contact Person: Russell Ward, Senior Manager
Telephone Number: (860) 565-4050; email: russell.ward@prattwhitney.com
- (B) **PERMIT TYPE.** Pratt and Whitney (“the Permittee” or “P&W”), a Division of RTX Corporation (“RTX”), is engaged in the business of design, development, testing and manufacturing of aircraft engines and components. P&W seeks a renewal permit to continue the storage (including those activities incidental to waste storage: receiving, shipping, bulking, repacking, commingling, rinsing of containers and tanks, sampling and testing), and management of Wastes identified as (1) listed and exhibits the characteristics of Hazardous Wastes under the Resource Conservation and Recovery Act (“RCRA”) in accordance with Connecticut’s Hazardous Waste Management Regulations, Section 22a-449(c)-104; (2) Universal Wastes in accordance with Connecticut’s Hazardous Waste Management Regulations, Section 22a-449(c)-113; (3) Used Oil in accordance with Connecticut’s Hazardous Waste Management Regulations, Section 22a-449(c)-119; and (4) Non-Hazardous Wastes. P&W accepts Wastes and scrap metal for storage and management from other RTX offsite locations.
- (C) **HAZARDOUS WASTE MANAGEMENT UNITS (Centralized Waste Storage and Transfer Facility (“CWS&TF”))**
- (1) Container Storage Area. The maximum volumetric capacity of the CWS&TF shall not exceed 59,400 gallons of RCRA waste. The methods used to transfer Containers include fork trucks, hand trucks, tricycle carts, hand-carried safety cans, carts, dollies and motorized carts. The typical Container sizes are 15 gallon (plastic), 20 gallon fiber drum, 55 gallon, 330 and 305 gallon portable tanks and 20, 25, 30 and 40 cubic yards Roll-off Containers.
 - (2) Roll-Off Containers. Roll-off Containers will be utilized for the accumulation of contaminated media, construction debris, spent filters, scrap metals, unwanted wood and any other material that is not prohibited by this Permit. No free draining Liquids will be allowed in Roll-off Containers. Roll-off Containers will be covered when waste is being stored at all times except when waste is being added. The Roll-off Containers are stored in Truck Pads Number 1, 2, 3 and 4 (two roll-offs per truck pad). The maximum number of Roll-off Containers in the CWS&TF is eight (8) 30 cubic yard roll-off or the equivalent combination of 240 cubic yards. The Roll-off Containers may have a combination of

RCRA and Non-RCRA Wastes. However, Roll-off Containers shall not exceed 240 cubic yards at any one time.

- (3) Staging Areas. There are four (4) Staging Areas with secondary containment for the sole purpose of storing compatible Containers for a period not to exceed five (5) calendar days while in transition to either the Container Storage Area or packaged for offsite shipment.
 - (4) Truck Pads with Loading and Unloading Areas. The CWS&TF has four (4) Truck Pads with Loading and Unloading Areas, separated in two (2) for acids, alkali and cyanide and two (2) for oils, solvents and PCBs. These areas are utilized to unload and load permitted Wastes that are either waste generated onsite or brought to the permitted CWS&TF from other RTX offsite locations.
 - (5) Satellite Accumulation Areas. The CWS&TF has up to four (4) Satellite Accumulation Areas located in Areas Number 20, 21, 24, 25/26. The maximum volumetric capacity for each satellite container is up to 55 gallons of RCRA Wastes per Waste stream per area at any one time. The Wastes accumulated in these areas are Waste incidental to Waste handling such as spent rags, personal protective equipment (rubber boots, tyvek suits, gloves, etc.) and any Other Material generated from waste management. Once the container reaches its maximum capacity, such a Container is moved to a designated storage area.
 - (6) Tank Storage Management Areas. The total combined volumetric capacity for the fourteen (14) Tanks in the CWS&TF shall not exceed 84,000 gallons. Each of the Tank containment areas has a volumetric capacity of 6,480 gallons of Liquid.
- (D) **PERMITTED WASTES AND OTHER MATERIALS**. The following wastes may be stored and managed in the CWS&TF.
- (1) **Hazardous Waste Codes**. P&W stores the following Hazardous Waste codes:
 - (a) D-Wastes: Characteristic wastes that are either ignitable, corrosive, reactive or toxic. The waste codes are the following:

D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011, D012, D013, D014, D015, D016, D017, D018, D019, D020, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D031, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043
 - (b) F-Wastes: Hazardous Wastes from non-specific sources (i.e., spent halogenated solvents used in degreasing, spent electroplating bath solutions, other metal finishing wastes, and multi-source leachate). The waste codes are the following:

F001, F002, F003, F004, F005, F006, F007, F008, F009, F019

- (c) U-Wastes: Toxic Hazardous Wastes, which are commercial chemical products, including discarded products, off-specification products, container residues and spill residues. The waste codes are the following:

U002, U019, U021, U031, U032, U044, U052, U055, U056, U077, U080, U108, U112, U117, U121, U122, U133, U134, U138, U140, U144, U151, U154, U159, U161, U165, U188, U201, U210, U211, U220, U223, U226, U228, U239

- (d) P-Wastes: Acutely Hazardous Waste of specific commercial chemical products including discarded products, off-specification products, container residues and spill residues. The waste codes are the following:

P001, P029, P030, P031, P042, P075, P081, P098, P104, P105, P106

- (2) The storage of Universal Wastes in accordance with Connecticut's Hazardous Waste Management Regulations, Section 22a-449(c)-113. These wastes are:

- (i) Batteries
- (ii) Thermostats
- (iii) Lamps
- (iv) Used Electronics
- (v) Pesticides

- (3) The storage of Used Oil in accordance with Connecticut's Hazardous Waste Management Regulations, Section 22a-449(c)-119.

- (4) Non-RCRA Wastes are authorized for storage and management:

- (a) Waste PCBs (CR01). Any waste material containing or contaminated by PCBs (Polychlorinated Biphenyls) in concentrations at or above 50 ppm (parts per million). These include, but are not limited to, PCB oils, items and equipment.
- (b) Waste Oil (CR02). Any oil or petroleum that is no longer suitable for the services for which it was manufactured due to the presence of impurities or loss of original properties and is not miscible in water. These include, but are not limited to, crude oil, fuel oil, lubricating oil, kerosene, diesel fuel, motor oil, non-halogenated oil, and oils that are recovered from oil separators, oil spills or tank bottoms.
- (c) Waste Water Soluble Oil (CR03). Any oil or petroleum that is no longer suitable for the services for which it was manufactured due to the presence of impurities or loss of original properties and is miscible in water. These include, but are not limited to, cutting oil emulsions or coolants.
- (d) Waste Chemical Liquids (CR04). Any wastes that are liquids, free flowing and/or contains free draining liquids and are toxic, hazardous to handle and/or may cause contamination or ground and/or surface water if improperly managed. These

wastes may include, but are not limited to, latex and solvent paint wastes, grinding wastes, waste sludges, antifreeze wastes and glycol solutions.

- (e) Waste Chemical Solids (CR05). Any chemical solids or semi-solids from a commercial, industrial, agricultural or community activity. These wastes include, but are not limited to, grinding dusts, tumbling sludges, scrap plastic and rubber flash, and other ground or chipped waste solid.
- (5) Lab Pack Containers with expired or spent materials, unused products or materials and laboratory wastes that are Hazardous Wastes identified by the waste codes in 40 CFR Part 261, Subpart C and D, specified in item (D)(1) above.
- (6) Other Material(s) utilized by the Permittee in the manufacturing process such as new, unused or virgin commercial chemicals or products from technical, analytical, reagent, etc. grade chemicals, chemical intermediates, and commercial chemical mixtures.
- (7) Waste or Other Materials containing PCBs. This includes any PCB item.
- (8) Scrap Metal.
- (E) SPECIFIC HAZARDOUS WASTE STORAGE PROHIBITIONS. P&W is prohibited from managing or storing the following wastes in the Hazardous Waste storage areas.
 - (a) Infectious materials, as defined in 49 CFR 173.134;
 - (b) Materials that are Poison by Inhalation, as defined in 49 CFR 173.115, 173.132 and/or 173.133;
 - (c) Radioactive materials, as defined in 49 CFR 173.403;
 - (d) Cryogenic liquids, as defined in 49 CFR 173.115(g);
 - (e) Any forbidden hazardous material identified in 49 CFR 173.21 and 173.54;
 - (f) Materials that are pyrophoric or ignite spontaneously;
 - (g) Shock sensitive materials, defined as materials that are readily capable of detonation or explosive decomposition or reaction at normal temperatures and pressures. And, sensitive materials to mechanical or localized thermal shock at normal temperatures and pressures, including materials designated by the National Fire Protection Association (NFPA) 704 as having a Reactivity Hazard Rating of 4 (See NFPA 704, most recent edition).
 - (h) Listed and characteristic wastes with a Reactivity Hazard rating of 4, as defined by the NFPA 704, Degree of Hazard criteria, most recent edition;
 - (i) Listed and characteristic wastes with a Health Hazard rating of 4, as defined by the NFPA 704, Degree of Hazard Criteria, most recent edition. Note: The degree of hazard for specific chemicals specified in this Section II (B) (1) (f) shall be found in NFPA 325 M and NFPA 49 or the equivalent in the HMIS system;
 - (j) Special Hazards: The limits identified below are maximum storage quantities of the combined total of both liquids and solids wastes present at the Permittee's waste storage management unit(s). These limitations apply per area.
 - (i) Liquid and Solid Oxidizing Materials, as defined in NFPA 55;

- (1) Class 1 and 2 oxidizers, except as provided for herein:
 - (a) Staging of oxidizers shall be allowed in Staging Area 211.
 - (b) Container Storage Areas 327 and 328 shall be allowed to store Class 1 and Class 2 oxidizers up to a maximum of 2,200 gallons per Area not to exceed 4,000 gallons. Storage Areas 330 and 331 may be utilized to store oxidizers if the Permittee complies with the implementations procedures at that time of changing the Waste type in a Container Storage Area. Oxidizers shall not exceed 8,000 gallons at any one time in the CWS&TF.
 - (c) Tank storage of oxidizers is restricted to Tank 101 and with a maximum storage capacity of 40,000 pounds (4,000 gallons). In cases where Tank 101 has been taken out-of-service for reasons documented in the Operating Record, P&W is allowed to use Tank 102 as necessary, in accordance with prohibitions set forth here and in Section III. Acid mixtures (excluding oxidizer and incompatible wastes) may be stored in Tank 102. At no time shall Tanks 101 and 102 be utilized concurrently for the storage of Class 1 and 2 oxidizers, except during transfer of Waste from Tank 101 to Tank 102 if Tank 101 needs to be taken out of service, or during transfer of Waste from Tank 102 to Tank 101 if Tank 101 is returned to service.
- (2) Class 3 oxidizers in excess of 200 pounds; and
- (3) Class 4 oxidizers in excess of 10 pounds.
- (ii) Organic Peroxide Formulations, as defined in NFPA 43B;
 - Class I Organic Peroxides, are prohibited
 - Class II Organic Peroxides, are prohibited
 - Class III Organic Peroxides in excess of 1,500 pounds, and
 - Class IV Organic Peroxides in excess of 100,000 pounds.
- (iii) Gaseous Oxidizers, as defined in NFPA 55.
- (k) Any Waste or Other Materials with Volatile Organics Concentration equal to or greater than 500 parts per million by weight is prohibited for storage in any of the Tanks located in the Tank Storage and Management Areas, unless the Permittee complies with the requirements of Subparts BB and CC.

- (F) RATIONALE FOR THE PROHIBITION OF HAZARDOUS WASTES. In determining which prohibitions to apply, the Department utilized the demonstrations provided in the permit application for the facility to properly manage each of the NFPA hazard classifications for such Hazardous Waste storage and management unit(s).
- (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) of the Connecticut General Statutes, and upon the provisions of 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 CFR Parts 124, 264 and 270.

- (H) PERMIT DURATION. This permit is in effect for ten (10) years unless revoked and reissued, or terminated under 40 CFR 270.41 and 270.43 or continued in accordance with 40 CFR 270.51(a).
- (I) 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.
 - (a) The Consolidated Notice to Approve.
 - (b) The Fact Sheet.
 - (3) The Administrative Record of the RCRA Part B Permit Application Renewal, reviews, approval and permit writing development.

The above items listed as (1), (2), and (3) are available for inspection at the Department of Energy and Environmental Protection, Records File Room, 79 Elm Street, Hartford, Connecticut 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.

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