

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

Barnes Aerospace Windsor Airmotive East Granby, Connecticut March 2026

Prepared for
Barnes Aerospace Windsor Airmotive
7 Connecticut South Drive
East Granby, Connecticut 06026



Loureiro Engineering Associates, Inc.

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An Employee-Owned Company

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Comm. No. 004WH3.11

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**BARNES AEROSPACE WINDSOR AIRMOTIVE
EAST GRANBY, CONNECTICUT**

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Prepared by

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ACRONYMS

BMPs	Best Management Practices
CAM	Corrective Action Measure
CFR	Code of Federal Regulations
COD	Chemical Oxygen Demand
CT DEEP	Connecticut Department of Energy and Environmental Protection
Cu	Total Copper
DMR	Discharge Monitoring Report
EPA	Environmental Protection Agency
FOIA	Freedom of Information Act
GP	National Pollutant Discharge Elimination System General Permit for the Discharge of Stormwater Associated with Industrial Activities
HSE	Health, Safety & Environmental
HVAC	Heating, Ventilation, and Air Conditioning
MS4	Municipal Separate Storm Sewer System
NAICS	North American Industry Classification System
NDDB	Natural Diversity Data Base
NO ₃ -N	Nitrate as Nitrogen
NRC	National Response Center
O&G	Oil and Grease
OSHA	Occupational Safety and Health Administration
Pb	Lead
PE	Professional Engineer
PM	Preventive Maintenance
PPT	Pollution Prevention Team
SIC	Standard Industrial Classification
SWPPP	Stormwater Pollution Prevention Plan
TKN	Total Kjeldahl Nitrogen
TMDL	Total Maximum Daily Load
TP	Total Phosphorous
TSS	Total Suspended Solids
USGS	United States Geological Survey
Zn	Total Zinc

Site Contact Information

Facility Operator(s):
Name: Barnes Aerospace Windsor Airmotive
Address: 7 Connecticut South Drive
City, State, Zip Code: East Granby, CT 06026
Telephone Number: 860-653-5531
Email address: mlloyd@barnesaero.com

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Telephone Number: 860-653-5531
Email address: mlloyd@barnesaero.com

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1. INTRODUCTION

Loureiro Engineering Associates, Inc. (Loureiro) was retained by Barnes Aerospace Windsor Airmotive (hereafter referred to as Barnes) to prepare a Stormwater Pollution Prevention Plan (SWPPP) (hereafter referred to as the “Plan”) for its Site located at 7 Connecticut South Drive in East Granby, Connecticut (hereafter referred to as the “Site”). This Plan has been prepared to provide Barnes with the appropriate information and guidance to ensure that stormwater discharges associated with industrial activities conducted at the Site are properly managed in compliance with the Connecticut Department of Energy and Environmental Protection (CT DEEP) *National Pollutant Discharge Elimination System General Permit for the Discharge of Stormwater Associated with Industrial Activities* (hereafter referred to as the “GP”), that went into effect on November 1, 2025. This Plan has been prepared according to the requirements of the GP and guidance provided by CT DEEP. An electronic copy of the GP is available to Barnes personnel at the location specified in Appendix A, GP, and a physical copy of the GP will be kept alongside this Plan. Documentation of GP registration for the Site is provided in Appendix B, General Permit Registration.

In general, this Plan identifies the potential sources of stormwater pollution and provides recommendations for implementing best management practices (BMPs) to reduce these pollutants. This Plan contains the necessary certifications and signatures required by the GP, identifies the members of the Pollution Prevention Team (PPT) and their associated responsibilities, describes the potential sources of pollutants which may reasonably be expected to affect stormwater quality, and presents the stormwater management measures and controls appropriate for the Site. A program for the routine sampling and analysis of the stormwater discharges is also provided to give the Site (i.e., the PPT and/or a contractor) the necessary guidance to comply with the requirements of the GP.

This Plan must be revised and updated periodically and as necessary to include any changes to the configuration and operation of the Site. The conditions requiring amendment to this Plan are identified in Section 8 of this Plan.

1.1 Description of the Site

Barnes overhauls, repairs, and manufactures aerospace components under the Standard Industrial Classification (SIC) Codes 3724 (manufacturing aircraft engines and engine parts) and 3728 (manufacturing aircraft parts and auxiliary equipment, not elsewhere classified), and North American Industry Classification System (NAICS) Code 336412 (Aircraft Engine and Engine Parts Manufacturing). The facility is located at 7 Connecticut South Drive, in the Newgate

Industrial Park in East Granby, Connecticut. The Site consists of an 84,000 square foot facility located on 7.4 acres, which includes employee parking. The Site contains roughly 194,578 square feet of impervious surface. Stormwater at the Site is collected through a series of catch basins and roof drains that discharge to the East Granby Municipal Separate Storm Sewer System (MS4).

According to CT DEEP's aquifer protection area maps, the Site is not located within an aquifer protection area. The groundwater quality at the Site is classified as "GA". A Natural Diversity Data Base (NDDDB) review showed no anticipated impacts to listed species from industrial stormwater discharge. A copy of the letter from CT DEEP is included in Appendix B.

The Site is located at 41.9307, -72.7156. A United States Geological Survey (USGS) Map depicting the location of the Site is included as Figure 1, USGS Site Location Map. A Site Plan depicting Site features, activities, and materials that may be sources of stormwater pollution is included as Drawing 1, Site Plan.

2. SIGNATURES AND CERTIFICATIONS

The following section details and provides the certifications required by the GP.

2.1 Management Certification

As required by the GP, Section 5.21.1, this Plan must be signed by a responsible corporate officer of the Site as follows:

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.”

Permittee:

Barnes Aerospace Windsor Airmotive

Certifier Name: Carissa Marie Galgano on Behalf of Barnes Aerospace

Certifier Title: Regional HSE Leader

Certifier's Signature: 

Date: 03/25/2026

Site/Facility Name: Barnes Aerospace Windsor Airmotive

Site/Facility Address: 7 Connecticut South Drive, East Granby, CT 06026

General Permit No.:

2.2 **Certification that this Plan Meets GP Criteria**

As required by the GP, Section 4.3.1.1, this Plan must be certified by a Qualified Professional as defined in the GP as follows:

I certify that I have thoroughly and completely reviewed the Stormwater Pollution Prevention Plan prepared for the site or facility known as Barnes Aerospace Windsor Airmotive. I further certify, based on such review and site visit by myself or my agent, and on my professional judgment, that the Stormwater Pollution Prevention Plan meets the criteria set forth in the General Permit for the Discharge of Stormwater Associated with Industrial Activity effective on November 1, 2025.

I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.

Certifier Name: Kurt A. Prochorena, PE

Certifier Title: Vice President/Principal Engineer

Certifier's Signature: 

Date: March 25, 2026

Site/Facility Name: Barnes Aerospace Windsor Airmotive

Site/Facility Address: 7 Connecticut South Drive, East Granby, CT 06026

General Permit No.:

2.3 Certification of Non-Stormwater Discharges

As required by the GP, Section 4.3.2.9, this Plan must include the following certification of non-stormwater discharges.

I certify that in my professional judgment, the stormwater discharge from the site or facility known as Barnes Aerospace Windsor Airmotive consists only of stormwater, or of stormwater combined with wastewater authorized by an effective permit issued under section 22a-430 or section 22a-430b of the Connecticut General Statutes, including the provisions of Section 5(b)(10) the General Permit for the Discharge of Stormwater Associated with Industrial Activity effective on November 1, 2025, or of stormwater combined with any of the following discharges provided they do not contribute to a violation of water quality standards:

- 1. discharges from emergency/unplanned fire-fighting activities,*
- 2. landscape irrigation or lawn watering,*
- 3. uncontaminated condensate from air conditioners, coolers/chillers, and other compressors and from the outside storage of refrigerated gases or liquids.*
- 4. uncontaminated ground water or spring water,*
- 5. uncontaminated groundwater from foundation or footing drains.*
- 6. water sprayed for dust control, in accordance with the conditions of the general permit, and*
- 7. for Sector A only, discharges from the spray down of lumber and wood product storage yards where no chemical additives are used in the spray-down waters and no chemicals are applied to the wood during storage.*

This certification is based on testing and/or evaluation of the stormwater discharge from the site. I further certify that all potential sources of non-stormwater at the site, a description of the results of any test and/or evaluation for the presence of non-stormwater discharges, the evaluation criteria or testing method used, the date of any testing and/or evaluation, and the onsite drainage points that were directly observed during the test have been described in detail in the Stormwater Pollution Prevention Plan prepared for the site. I further certify that no interior building floor drains exist unless such floor drain connection has been approved and permitted by the commissioner or otherwise authorized by a local authority for discharge as domestic sewage to sanitary sewer.

I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.

Certifier Name: Kurt A. Prochorena, PE

Certifier Title: Vice President/Principal Engineer

Certifier Signature:



Date: March 25, 2026

Site/Facility Name Barnes Aerospace Windsor Airmotive
and Address: 7 Connecticut South Drive
 East Granby, CT 06026

General Permit No.:

3. STORMWATER POLLUTION PREVENTION TEAM (PPT)

The PPT is responsible for the implementation of all actions set forth in the GP and detailed in this Plan. The PPT must direct all necessary revisions and additions to this Plan as dictated by operational changes at the Site, as required by the provisions of the GP, as well as maintain control measures and take corrective actions where required. The following table lists the PPT Members who may be contacted in the event of an accidental release of pollutants to the stormwater system. At least one PPT Member must be present at the Site or on call during all operational shifts.

TABLE 3-1 PPT

Role	Name and Title	Phone Number	Responsibilities
PPT Leader	Matt Bellavance, Health, Safety & Environmental (HSE) and Facilities Manager	Work/Cell: 860-329-6084	Administration, provide training programs, interface between Barnes and public regulatory agencies. Perform regular and comprehensive inspections, sampling, quarterly visual assessment, and annual plan review.
PPT Member	Dan Goepfert, Senior Maintenance Personnel	Work: 860-687-5341 Cell: 860-371-1493	Upkeep of control measures, back-up of program. Perform Stormwater sampling.

4. POTENTIAL POLLUTANT SOURCES

4.1 Summary of Drainage Areas

The Site has three drainage areas, detailed in Table 4-1, Summary of Drainage Areas. The stormwater discharges, drainage areas, flow, and potential pollutant sources at the Site are depicted in Drawing 1. In addition, the potential pollutants associated with the activities conducted at the Site and the stormwater drainage systems at the Site are detailed in this section.

TABLE 4-1 SUMMARY OF DRAINAGE AREAS

Location of Discharge Point	Sequential Number & Descriptor	Runoff Coefficient
South of visitor parking	001 Main Site Area	0.587
Northwest of building	002 Addition Roof	0.810
N/A (Infiltrates into ground)	003 Vegetation	0.050

4.1.1 Drainage Area 001

Drainage Area 001 consists of the roof of the main part of the building, the main parking area and some associated grassy area, and the visitor parking area and the grassy/vegetated areas along the sides of the building. This drainage area contains roof drains as well as four catch basins, including DSN-001, which connect to the East Granby MS4. This area also contains two infiltration ponds to the west of the building.

Potential pollutant sources located within Drainage Area 001 include:

- Contaminants from material transfer activities associated with the loading area;
- Contaminants from the leakage of oil and other fluids from vehicle traffic;
- Dumpsters, roll-offs, and trailers (municipal refuse, scrap wood, recycling, recyclable metals);
- Contaminants from the baghouses;
- Contaminants from the cooling towers;
- Potential oil leaks from the emergency generators or transformer;
- Paint booth discharge;
- Lab hood fume discharge; and,
- Contaminants from roof vents.

4.1.2 Drainage Area 002

Drainage Area 002 consists of the roof of the building addition, as well as the road and grassy area to the north and northwest of the building. There is an infiltration pond containing a catch basin (DSN 001) within this drainage area, which connects to the East Granby MS4. No industrial activities take place within this area.

Potential pollutant sources located within Drainage Area 002 include:

- Potential oil leaks from the transformer; and,
- Contaminants from the leakage of oil and other fluids from vehicle traffic.

4.1.3 Drainage Area 003

Drainage Area 003 consists of the vegetated area at the east side of the property. Stormwater in this area infiltrates into the ground. No industrial activities take place within this area.

4.2 Non-Stormwater Discharges

At the time of certification of this Plan, there are no non-allowable, non-stormwater discharges entering the stormwater drainage system. The Certification of Non-Stormwater Discharges is included in Section 2.3 of this Plan, and the supporting information for the certification is provided in Appendix C, Certification of Non-Stormwater Discharges Supporting Information.

Barnes discharges no more than ten (10) gallons of water per day of photofinishing wastewater to the sanitary sewer under the CT DEEP's *General Pretreatment Permit for Non-Significant Industrial User Discharges to Publicly Owned Treatment Works* (formerly the *General Permit for Discharges from Miscellaneous Industrial Users*).

4.3 Summary of Potential Pollutant Sources & Controls

Table 4-2, Inventory of Exposed Materials, provides an inventory of the potential pollutant sources located within the discharge drainage areas of the Site. In addition, a detailed description of the potential pollutant sources related to stormwater runoff is presented in this section. Areas of concern due to their potential to contribute to stormwater pollution at the Site include outdoor storage areas, material handling areas, and exhaust ventilation. Barnes will notify CT DEEP no fewer than 30 days prior to making any planned physical alterations or additions to the Site that qualify the Site as a new source or that could significantly change the nature or significantly increase the quantity of pollutants discharged.

4.3.1 Outdoor Material Storage

4.3.1.1 Raw Materials

Liquid argon and nitrogen are stored in two 3,000-gallon outdoor storage tanks along the east side of the building, south of the loading dock. These materials are delivered in bulk and are stored under pressure. In the event of a release to atmospheric pressure, argon and nitrogen would transition to a gaseous state and dissipate into the atmosphere. These materials do not have the potential to contaminate stormwater.

Small quantities of virgin liquid/gaseous products, such as welding gases, are stored in pressurized cylinders in an attached storage shed along the southern portion of the east wall of the building. While in storage, the cylinders are not exposed to rainfall or runoff. In the event of a release to atmospheric pressure, these products would transition to a gaseous state and dissipate into the atmosphere. These materials do not have the potential to contaminate stormwater.

4.3.1.2 Waste Materials

Barnes has two dumpsters on the east side of the building, one for general plant refuse and one for single stream recycling. Both dumpsters are kept covered at all times when materials are not being added or removed. There is also one covered roll-off container with scrap wood (uncontaminated wooden pallets). All dumpsters used either have no drains or have their drain plugs installed, eliminating the possibility of the dumpsters contributing contaminated stormwater. In addition, there is one trailer for metals, which will be recycled, which is on site on an as-needed basis. The trailer is fully enclosed with gasketed doors at the rear thereby preventing stormwater from coming into contact with its contents.

4.3.2 Material Handling

4.3.2.1 Loading Dock Activities

There are two loading areas in use on the east side of the building. Any chemical loading takes place at the northern loading area. Vehicles park in the dock area while they are loading or unloading materials. No automotive maintenance activities, other than routine checks, are permitted onsite. A catch basin is located in the pavement adjacent to the loading dock. While the loading and unloading operations themselves are not exposed to precipitation, if a spill occurred in this area, it would be possible for the released liquid to make its way from the loading dock to the catch basin. Section 5.3 of this Plan lists the procedures used to protect the catch basin during loading operations.

4.3.2.2 Bulk Delivery of Liquid/Gaseous Products

Liquid argon and nitrogen are delivered in bulk and stored under pressure. In the event of an accidental release during delivery, from either the storage tanks or the bulk delivery vessel, the

material would transition to a gaseous state and dissipate into the atmosphere. These materials lack the potential to contaminate stormwater.

4.3.2.3 Bulk Oil/Coolant Storage and Pick-Ups

Barnes has two 750-gallon tanks located inside the facility near a ground level overhead door on the east side of the facility, one for waste oil and one for waste coolant. Both tanks have secondary containment consisting of steel containment with a capacity of 840 gallons, which is sufficient to contain any leaks or spills from the tanks. The tanks are periodically emptied by vacuum transfer through a hose to a tank trailer parked in the paved area outside the building. The waste coolant is typically removed about once a month, and the waste oil is removed once every three months. An accident involving the tanker or hosing could result in a release that might reach the storm drain. Section 5.3 of this Plan lists the procedures used to protect the storm drain during pumping operations.

4.3.2.4 Indoor Oil/Hazardous Waste Storage

Barnes stores drum quantities of oil, lubricants, and water-soluble coolants on racks near the roll up door on the east side of the facility. There is secondary containment underneath the racks consisting of a metal basin. Barnes stores hazardous wastes on spill containment pallets in a separate storage area. The only identifiable risk of stormwater contamination would be due to a drum rupture occurring in the loading dock during receipt or off-site consignment. If a drum were to rupture, the spilled contents could run outside off the loading dock, where precipitation could carry it to the nearby catch basin. Experience shows that while this scenario is possible, it is unlikely. Section 5.3 of this Plan lists procedures used to address oil/hazardous waste spillage at the loading dock.

4.3.3 Exhaust Ventilation

Barnes has several stacks and vents on the roofs and through the walls of its building. Most of the stacks and vents are associated with the building's heating, ventilation, and air conditioning (HVAC) systems. Some of the exhausts handle particulate matter and have the potential to discharge low levels of contaminants. The site has a total of five (5) baghouses associated with exhaust systems.

4.3.3.1 Spray Booths

Barnes has three spray booths. Two are currently in use for plasma spray operations, and one is used for a High Velocity Oxygenated Fuel process similar to plasma spray. Each booth has a separate exhaust system that discharges to a rooftop vent through high efficiency dry filters and a

baghouse. The baghouses discharge collected particulate into 55-gallon drums staged under the collectors. The collectors and the drums are outside in an area that has a conveyance for stormwater. Contaminants exhausted from this operation could potentially include low levels of chromium and nickel. The baghouse collectors have 90% capture efficiency.

4.3.3.2 Brush Nickel Plating Operation

Barnes operates a small acid etching operation. This operation is limited in both size and use. The etching solutions are held in containers with individual capacities no greater than five gallons. The exhaust from this operation discharges through the roof of the building. The condensate drip onto the roof has been found to have a pH of 6.5 - 7.0, indicating that it consists of uncontaminated condensate.

4.3.3.3 Laboratory Fume Hood

Exhaust from a laboratory hood discharges through the south wall of the plant. Contaminants from this discharge could potentially consist of negligible quantities of fumes from the various acids used for metallographic etching.

4.3.3.4 Fluorescent Penetrant Inspection

Exhaust from a spray application of a fluorescent penetrant oil discharges through an oil demister and out the north side of the building. Potential contaminants would include penetrant oil mist.

4.3.3.5 Paint Booth

Exhaust from the paint booth is vented through the roof via filters that are at least 98% efficient as required by 40 Code of Federal Regulations (CFR) 63 Subpart HHHHHH. There is a minor potential for chromium to contribute to stormwater contamination. Filter changes are completed according to the maintenance schedule.

4.3.4 De-icing Material Storage

Any salt storage at the Site is in closed and covered containers stored inside the building.

4.4 Spills and Leaks

Under the GP, Section 4.3.2.4(b), Barnes is required to document any spills or leaks of five (5) gallons or more of petroleum products, or of toxic or hazardous substances that could affect stormwater. A log for documenting spills is provided in Appendix D, Log of Significant Spills and Leaks (≥ 5 gallons), and should be maintained for the life of this Plan.

5. MEASURES AND CONTROLS

Control measures implemented by Barnes include BMPs and other structural and non-structural practices which are used to prevent or minimize the discharge of pollutants to stormwater. A combination of management procedures, structural controls, and employee training provides the most effective means of stormwater management. The GP contains a list of control measures and inspection frequencies that are expected to be in place to minimize the discharge of pollutants in stormwater runoff from the Site. This section details the control measures in place and management practices that should be implemented at Barnes.

5.1 Good Housekeeping

In general, good housekeeping practices are designed to maintain a clean and orderly work environment. Poor housekeeping in areas that are exposed to rainfall can result in an increased potential for stormwater contamination. A clean and orderly site reduces the possibility of accidental spills caused by mishandling of chemicals and equipment and should reduce safety hazards to Site personnel. Well maintained material and chemical storage areas will reduce the possibility of stormwater being exposed to pollutants. The following is a list of good housekeeping practices that should be implemented at the Site:

- Sweep or vacuum at regular intervals or, alternatively, wash down the area and collect and/or treat, and properly dispose of the washwater.
- Store materials in appropriate containers. Liquid materials require appropriate secondary containment and cover.
- Minimize the potential for waste, garbage, and floatable debris to be discharged by keeping exposed areas free of such materials, or by intercepting them before they are discharged.
- Ensure that all dumpsters, trash compactors, and roll-off containers used to store waste or recyclable materials are in sound, watertight condition and have covers and drain plugs intact, are in roofed areas or in secondary containment areas that will prevent exposure to rainfall.
- All covers on dumpsters not under a roof must be closed when dumpsters are not being loaded or unloaded.
- Loading docks (excluding those that allow a vehicle to enter the building) must be protected with a permanent roof or other structure that protects the loading dock from direct rainfall.

- Stormwater collection and drainage facilities adjacent to the loading dock must be designed and maintained in a way that prevents any materials spilled or released at the loading dock from discharging to the storm sewer system.
- Drains located directly beneath the loading dock must be routinely inspected for the accumulation of sludge, sediment, grit, tailings, trash, and any other debris. Drains must be cleaned out when the depth of debris reaches half of depth of the drain.
- Eliminate or otherwise seal floor drains which are connected to a storm sewer system or if the connection is unknown.
- Identify roof areas that may be subject to drippage, dust or particulates from exhausts or vents or other sources of pollution. Inspect such areas to determine if any potential sources of stormwater pollution are present, and if so, minimize the sources or potential sources of pollution.

5.2 Preventive Maintenance (PM)

PM activities, as outlined in the GP, include the following:

- Inspection and maintenance of stormwater management devices (e.g., cleaning stormwater treatment devices, catch basins) that could fail and result in contamination of stormwater.
- Visual inspection, maintenance, and/or testing of on site equipment and systems to identify conditions that could cause breakdowns or failures resulting in discharges of pollutants to stormwater.
- Maintaining non-structural control measures, such as keeping spill response supplies available, and ensuring that personnel are appropriately trained.
- Cleaning catch basins when the depth of debris reaches half of the sump depth and keeping the debris surface at least six inches below the lowest outlet pipe.
- Inspecting and maintaining baghouses at least quarterly to prevent the escape of dust from the system and.
- Immediately removing accumulated dust at the base of the exterior baghouses and surrounding environment.

The Facilities Manager is responsible for PM at the Site. PM activities performed by Barnes include periodic site inspections to identify potential pollutant sources, along with inspections of the storm drainage system to ensure proper operations. Table 4-2 details PM measures for the potential pollutant sources identified in Section 4 of this Plan.

All maintenance records for the site are maintained using a computerized maintenance management system. Records for the repair and maintenance of stormwater control measures should include date(s) of regular maintenance, date(s) of discovery of areas in need of

repair/replacement, and for repairs, date(s) that the control measure(s) returned to full function, and the justification for any extended maintenance/repair schedules.

5.3 **Spill Response Procedures**

Barnes should maintain emergency response procedures in order to minimize hazards to human health or the environment caused by fires, explosions, or any unplanned release of oil products or toxic or hazardous substances.

Table 4-2 includes spill prevention measures for the potential pollutant sources identified in Section 4 of this Plan. The handling of drummed materials and the transfer of bulk liquids at the facility are the two areas that pose the greatest potential for a stormwater contamination event. Barnes has therefore adopted a procedure that calls for personnel to securely cover any "at risk" storm drain before initiating a drum handling activity or bulk transfer in the area of the drain with a magnetic drain cover, which is stored adjacent to the loading area in a storage tube.

Barnes employees are only authorized to respond to incidental releases as defined by the Occupational Safety and Health Administration (OSHA) in 29 Code of Federal Regulations (CFR) 1910.120. In the event of a non-incidental release, Barnes will contact a spill contractor to mitigate the release.

For any spill, leak, release, or discharge of non-stormwater not authorized by the GP or another permit, the PPT Leader should report it to the CT DEEP Emergency Response and Spill Prevention by calling **860-424-3338 or 866-DEP-SPIL (866-337-7745, toll free)**, 24 hours/day. Signs with emergency contact information should be posted throughout the Site.

For any oil release that violates state water quality standards, causes a film or sheen on the water's surface, or leaves sludge or emulsion beneath the surface, the PPT Leader should report it to the EPA's National Response Center (NRC) at (800) 424-8802.

5.4 **Employee Training**

All employees whose activities may affect stormwater quality must receive training within 90 days of employment and at least once a year thereafter. Employees who should receive training include but are not limited to: PPT Members; employees responsible for implementing activities necessary to meet the conditions of the GP (e.g., inspectors, maintenance personnel); and, employees who work in areas where industrial materials or activities are exposed to stormwater.

The PPT Leader is responsible for organizing an adequate stormwater training program. Training must be conducted or supervised by a member of the PPT or other qualified person and a written

record of training must be maintained in Appendix E, Training Records, including the dates of training, employee name, employee responsibility, and training agenda.

If related to the scope of their job duties, personnel must be trained in at least the following:

- An overview of what is in this Plan;
- Spill response procedures, emergency equipment locations, good housekeeping, maintenance requirements, and material management practices;
- The location of all controls on the site required by the GP, and how they are to be maintained;
- The proper procedures to follow with respect to the control measures on site;
- When and how to conduct inspections, record applicable findings, and take corrective actions; and,
- The Site's emergency procedures.

The PPT Leader must also ensure the following personnel understand the requirements of the GP and their specific responsibilities with respect to those requirements:

- Personnel who are responsible for the design, installation, maintenance, and/or repair of controls (including pollution prevention measures);
- Personnel responsible for the storage and handling of chemicals and materials that could become contaminants in stormwater discharges;
- Personnel who are responsible for conducting and documenting inspections and monitoring; and,
- Personnel who are responsible for taking and documenting corrective actions.

5.5 **Sediment and Erosion Control**

As required by the GP, Section 4.2.9, Barnes must identify areas of the Site that have a potential for soil erosion due to topography, activities, or other factors, and must include measures to limit erosion and stabilize such areas. No areas susceptible to erosion or showing signs of erosion were observed during all comprehensive inspections. No polymers or other chemical treatments for erosion and sediment control are in use at the Site.

5.6 **Management of Runoff**

For purposes of this Plan, runoff management is defined as those practices which divert, filtrate, reuse, or treat stormwater runoff, and are distinct from those practices which limit exposure of potential pollutants to direct rainfall or runoff. Runoff management at the Site consists of a series

of catch basins, roof drains, piping, and the outfall pipes themselves. Runoff discharges to the East Granby MS4. Areas of vegetative growth which drain to this system or directly off the property are also effective runoff management practices.

5.7 Equipment and Vehicle Washing

Exterior equipment or vehicle washing does not take place at the Site.

5.8 Future Construction

Any construction activity that disturbs greater than one acre must be conducted in accordance with the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (as amended), including the creation of a Stormwater Pollution Control Plan. All construction activities, regardless of size, shall comply with the Connecticut 2024 Guidelines for Soil Erosion and Sediment Control during construction and the 2024 Stormwater Quality Manual for the design and implementation of post-construction stormwater management measures. In addition, Barnes must avoid, wherever possible, the use of copper or galvanized roofing or building materials where these materials will be exposed to stormwater.

Any evaluation, construction, or modification of the design of an engineered stormwater drainage system, as defined in the Connecticut Stormwater Quality Manual, requires certification by a Professional Engineer (PE).

5.9 Resilience Measures

Barnes will consider the resilience measures outlined in Section 4.2.3.8 of the GP when selecting and designing new stormwater control measures.

6. INSPECTIONS

The GP requires two types of inspections: routine inspections that must be conducted monthly, and comprehensive site inspections that must be conducted semiannually. The primary purpose of these inspections is to ensure that management practices and control measures prescribed in this Plan are being implemented correctly and effectively. In addition, the inspections can help determine if changes to stormwater management practices and controls measures need to be made due to changes at the Site. Inspections must be performed by qualified personnel. Routine inspections will be conducted by a completed by a trained PPT Member and semiannual inspections will be conducted by the HSE Manager, with input from other PPT Members as needed.

6.1 Routine Inspections

The Site shall complete the required routine inspections on a monthly basis. At least one routine inspection per calendar year must be conducted while a stormwater discharge is occurring. A Monthly Inspection Form is provided in Appendix F to facilitate and document the completion of the inspections.

During normal operating hours, Barnes must conduct inspections of areas covered by the requirements in the GP, including, but not limited to, the following:

- Areas where industrial materials or activities are exposed to stormwater;
- Areas identified in this Plan and those that are potential pollutant sources;
- Areas where spills and leaks have occurred in the past three years; and,
- Stormwater discharge points.

Copies of the completed inspection forms should be maintained in Appendix F of this Plan for a period of no less than five (5) years after the date that coverage under the GP expires or is terminated.

6.2 Semiannual Comprehensive Compliance Evaluations

In accordance with the requirements of the GP, Section 4.4.3, Comprehensive Site Compliance Evaluations must be performed at the Site on a semiannual basis (twice per year). These evaluations should be conducted during a rainfall event if possible. They should consist of a documentation review, interviews with Site personnel, and a visual inspection of the Site. A Semiannual Comprehensive Compliance Evaluation Form is provided in Appendix G. During

normal operating hours, Barnes must conduct inspections of areas of the Site covered by the requirements in the GP, including, but not limited to, the following:

- Drainage areas;
- Buildings, structures, permanent cover, and impervious area;
- Structural control measures;
- Non-structural stormwater control measures;
- Stormwater Management Systems;
- Stormwater discharge points;
- Areas where industrial materials or activities are exposed to stormwater;
- De-icing material storage areas;
- Industrial materials storage areas;
- Materials handling activities areas;
- Other areas where industrial activity has taken place;
- Areas identified in this Plan and those that are potential pollutant sources; and,
- Spill prevention and response procedures (e.g., presence of spill kits and dry clean-up methods).

Completed forms must be maintained as a part of this Plan in Appendix G for a period of no less than five (5) years after the date that coverage under the GP expires or is terminated.

6.3 Inspection Follow-Up

Upon completion of each inspection, the routine inspection logs or semiannual inspection reports must be reviewed by the PPT Leader to identify observations or unsatisfactory conditions that require remedial action. The PPT Leader is responsible for ensuring that appropriate actions are taken to remedy unsatisfactory conditions in a timely manner. Any corrective actions taken should also be recorded on the inspection forms.

7. STORMWATER MONITORING PROGRAM

The GP requires Barnes to perform stormwater outfall monitoring. Barnes operates under SIC Codes 3724 and 3728 and therefore is subject to the monitoring requirements for Sector AB (Transportation Equipment, Industrial or Commercial Machinery Facilities) under Section 8.28 of the GP. The monitoring requirements are detailed in the following subsections. Stormwater monitoring will be conducted by a third party under the supervision of the HSE Manager.

The stormwater discharge sampling data that was collected by Barnes under the previous permit (*General Permit for the Discharge of Stormwater Associated with Industrial Activity*) was not available to summarize. Barnes met the benchmarks required to discontinue semiannual monitoring, and older records were not retained. Visual sampling had no issues in the time period of available data (2022-2025), except for one 2025 sample.

7.1 Stormwater Sampling Location

As described in Section 4.1 of this Plan, the Site has one point source discharge of stormwater that is exposed to industrial activity.

Stormwater samples are collected from the catch basin located outside the main visitor's entrance on the south side of the building (DSN-001). The storm drain grate is removed and a dip sample is taken in the catch basin. The other discharge location, catch basin DSN-002, is not sampled as no industrial activity occurs in Drainage Area 002.

The site does not discharge within 500 feet of a tidal wetland. The stormwater from the site discharges to the East Granby MS4.

7.2 Stormwater Monitoring Procedures

The following sampling procedures must be followed during the quarterly, semiannual, and annual sampling events:

- Samples can only be collected from a storm event that occurs at least 72 hours after the last previous storm event generating a stormwater discharge from the Site.
- For sites that discharge through a detention basin or other stormwater management structure, the sample must be taken at the discharge from the basin or structure.
- Grab samples shall be used for all monitoring and shall not be commingled or combined with other waste streams.

- Collection of grab samples must begin within the first 30 minutes of stormwater being discharged at the sampling location and must be completed as soon as possible. If collection is more than 30 minutes after discharge begins, the reason for the delay must be documented on the sampling form and in Appendix H, Deviations from Monitoring Schedule.
- Samples must be collected at the designated outfall or at the nearest feasible location representative of the discharge if the designated sampling location is inaccessible.
- All samples for a monitoring event must be taken during the same storm event, if feasible.

The following information must be collected and recorded for the storm events monitored:

- The place, date, and time of sampling and the time the discharge started;
- The person(s) collecting samples;
- The dates and times the analyses were initiated;
- The person(s) or laboratory that performed the analyses;
- The analytical techniques or methods used; and,
- The results of all analyses.

7.3 Quarterly Visual Assessment

Once each quarter for the entire permit term, Barnes must collect stormwater discharge samples from the sample location designated in Section 7.1 of this Plan and conduct a visual assessment for specific water quality characteristics. For monitoring purposes, the quarters begin on January 1st, April 1st, July 1st, and October 1st. If the Site is subject to snowfall during one or more of these quarters, at least one quarterly visual assessment must capture snowmelt discharge if feasible and the corresponding form should be annotated to indicate this.

The visual assessment must be made with the sample in a clean, colorless glass or plastic container and in a well-lit area. During the assessment, the sample must be qualitatively evaluated for the following water quality characteristics:

- Color;
- Odor;
- Clarity (diminished);
- Floating solids;
- Settled solids;
- Suspended solids;
- Foam;

- Oil sheen; and,
- Other obvious indicators of stormwater pollution.

A Quarterly Visual Assessment Form is included in Appendix I. This form can be used to document the results of each visual assessment event. If unsatisfactory water quality characteristics are observed during a visual assessment, this may indicate that the stormwater pollution control measures at the Site are inadequate or are not being properly implemented or maintained. After an unsatisfactory assessment, Barnes must review and revise this Plan as appropriate, following the corrective action schedule in Section 8.2 of this Plan. A monitoring Remedial Action Log is also included in Appendix I. This log should be used to document any corrective actions or changes in control measures completed as result of an unsatisfactory visual assessment.

If Barnes is unable to collect a visual assessment sample during an entire sampling quarter, the circumstances pertaining to this must be documented and the documentation must be maintained in Appendix H of this Plan.

7.4 Benchmark and Toxicity Monitoring

In addition to quarterly visual assessments, Barnes must perform benchmark stormwater monitoring for the parameters listed in Table 7-1, Summary of Sector AB Monitoring Requirements, at the specified frequencies.

The first semiannual benchmark monitoring event of each sampling year must be conducted between January 1st and June 30th, and the second must be conducted between July 1st and December 31st. Monitoring events must be separated by at least 30 days. The semiannual stormwater samples may be collected along with the quarterly visual samples. As with the quarterly visual assessment, the stormwater discharge samples must be collected from the sample location designated in Section 7.1 of this Plan.

7.5 Aquatic Toxicity Monitoring

Annual aquatic toxicity monitoring must be performed in the first year after receiving the Notice of Coverage from CT DEEP's Commissioner. Aquatic Toxicity must be included in a regularly scheduled semiannual sample.

7.6 Monitoring of Discharges to Impaired Waters

Impaired waters are waterbodies that have been assessed by CT DEEP as not meeting Connecticut's Water Quality Standards for a given designated use such as fish and wildlife habitat, recreation, or agricultural and industrial supply. According to the GP, industrial activities that

discharge directly to impaired waters, as identified by CT DEEP, must conduct stormwater monitoring in addition to the standard benchmark monitoring discussed in Section 7.4 of this Plan.

All fresh waterbodies in the state of Connecticut are considered impaired for fish consumption due to atmospheric deposition of mercury. Sites where stormwater is or could be exposed to sources of mercury must monitor for mercury once per year. Due to the operations conducted by Barnes, the Site does not have the potential to contaminate stormwater with mercury and therefore no additional monitoring for mercury is required.

In order to achieve water quality standards for dissolved oxygen in Long Island Sound, a statewide limit has been implemented by CT DEEP to address nitrogen loading to the Sound. Monitoring for nitrogen in stormwater runoff, in the form of nitrate and total Kjeldahl nitrogen, is already required by the GP.

Based on a review of CT DEEP's list of impaired waters, none of the Site's drainage areas discharge directly into any impaired waters, so no additional monitoring is required.

7.7 Test Procedures

The following testing procedures must be followed:

- All pollutant parameters must be tested according to methods pursuant to 40 CFR 136 for the analysis of pollutants having approved methods under that part, unless a method is required under 40 CFR Subchapter N or unless an alternative method has been approved in writing pursuant to 40 CFR 136.5.
- Acute toxicity biomonitoring tests must be conducted according to the procedures specified in Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, 5th Edition (Environmental Protection Agency (EPA) 821-R-02-012).

A list of the required monitoring parameters should be submitted to the analyzing laboratory prior to a sampling event, so that the lab can supply Barnes with the necessary collection containers. It is recommended that an extra set of containers be obtained in the event any are damaged during the sampling event or in transport from the laboratory. The laboratory may also provide coolers and corresponding paperwork such as a chain-of-custody form and sample container labels. Instructions for the proper completion of the corresponding paperwork may be obtained through the laboratory.

7.8 Evaluation of Benchmark Monitoring Results

As required by the GP, Section 4.5.1, the results of Barnes's Semiannual Benchmark Monitoring must comply with the benchmarks for the parameters specified in Table 7-1. Barnes must calculate the average of the monitoring results from the four (4) most recent sampling events for each of the parameters. For averaging purposes, if a parameter is detected at a concentration less than the analyzing laboratory's method detection limit, a value equal to half the method detection limit reported by the laboratory should be used. For sample values that fall between the method detection level and the reporting level (i.e., a confirmed detection but below the level that cannot be reliably quantified), a value equivalent to half the reporting level reported by the analyzing laboratory should be used. These averages must then be compared to the benchmark values listed in Table 7-1. If Barnes fails to collect a sample during an entire semiannual benchmark monitoring period, monitoring results from preceding semiannual periods cannot be used for averaging purposes.

7.8.1 Data Not Exceeding Benchmarks

If the average of the four most recent consecutive semiannual monitoring results for any parameter is less than or equal to the benchmarks, Barnes can discontinue monitoring for that parameter for a maximum of two (2) years. An exemption for sample pH cannot be earned until exemptions for all other parameters are met. Once Barnes is able to discontinue monitoring for all parameters, CT DEEP should be notified of the change of monitoring frequency by email at DEEP.StormwaterIndustrial@ct.gov.

7.8.2 Data Exceeding Benchmarks

An exceedance occurs for a parameter if the average of four (4) consecutive semiannual monitoring values exceeds the benchmark threshold, or if fewer than four (4) samples have been collected but a but a single sample exceeds the benchmark threshold by more than four (4) times that parameter's threshold.

In the case of an exceedance, Barnes must follow the corrective action schedule outlined in Section 8.3 of this Plan. Failure to conduct any required corrective actions after a benchmark exceedance occurs is a permit violation.

7.8.3 Off-Site Pollutant Levels

Following the first four (4) semiannual events of benchmark monitoring (or sooner if the exceedance is triggered by less than four (4) monitoring events), if the average concentration of a pollutant exceeds a benchmark value, and Barnes determines that exceedance of the benchmark

is attributable solely to the presence of that pollutant in “run-on” entering from off-site, Barnes is not required to perform corrective actions or additional benchmark monitoring provided all of the following conditions are met:

- The average concentration of the benchmark monitoring results is less than or equal to the pollutant concentration in “run-on” entering from off-site (including changes in pH due to rainfall).
- Barnes documents and maintains with this Plan the supporting rationale for concluding that benchmark exceedances are in fact attributable solely to “run-on” entering from off-site, including any supporting rationale or any data previously collected by them or others.
- Barnes demonstrates that the diversion of off-site run-on containing these pollutant levels is infeasible through engineering analysis.
- Barnes notifies CT DEEP’s Commissioner of the findings, and the Commissioner issues a written approval of the permittee’s documentation demonstrating that the benchmark exceedances are attributable solely to off-site pollutant levels.

7.8.4 Inability to Collect a Sample

If a benchmark monitoring sample could not be collected during an entire semiannual monitoring period, a Discharge Monitoring Report (DMR) should still be submitted as per Section 7.9.1 of this Plan. In such a case, Barnes must indicate in NetDMR any failure to monitor during the regular reporting period with an explanation of the limitations restricting the collection of an appropriate sample. The appropriate No Data Indicator code from the GP should be included on the DMR. Documentation should also be maintained in Appendix H. Reasons may include the absence of a 72-hour period of dry weather, the absence of a rain event that produces a stormwater discharge, the absence of a discharge from a detention or retention basin, or adverse weather conditions preventing access to the stormwater discharge location. The timing of a rain event is not an acceptable reason to fail to sample unless it precludes the analysis of a parameter within the acceptable hold time specified by a laboratory.

7.9 Reporting and Record Retention

7.9.1 Benchmark Monitoring

Barnes will submit DMRs until via email to DEEP.StormwaterIndustrial@ct.gov until the Notice of Coverage is received by CT DEEP’s Commissioner. Following this, DMRs must be submitted to CT DEEP via NetDMR. Stormwater DMR forms must be submitted no later than 30 days after the end of the monitoring period. Aquatic toxicity testing results should be submitted in NetDMR along with the corresponding semiannual results.

7.9.2 Annual Report

An Annual Report summarizing monitoring data, site inspections, visual assessments, corrective actions, and noncompliance during the previous calendar year must be submitted to CT DEEP by April 15th of each year. A template for the Annual Report will be included in Appendix J, Annual Report Template. The Annual Report shall be submitted via email to DEEP.StormwaterIndustrial@ct.gov.

7.9.3 Records Retention

All records pertaining to stormwater monitoring activities including submitted DMR forms, laboratory reports, field data collection forms, and visual assessment records must be maintained in the appropriate location (Appendix K, Semiannual Monitoring Records, or Appendix I, Quarterly Visual Assessment Form) and retained for at least five (5) years beyond the expiration date of the GP.

7.9.4 Permit Noncompliance

Any incidences of GP noncompliance should be recorded. If there is an incidence of noncompliance that constitutes a permit violation, Barnes should notify CT DEEP's Commissioner via the Online Noncompliance Reporting web-based platform.

8. CORRECTIVE ACTIONS

8.1 Conditions Requiring Corrective Actions

When conditions requiring corrective action occur or are detected through inspections, monitoring or other means, Barnes must take the appropriate corrective actions. Failure to take corrective action is a violation of the GP. All corrective action documentation should be maintained in Appendix L, Corrective Action Measure Documentation. The form in Appendix L should be filled out for any of the following conditions which require corrective action:

- A discharge or representative discharge exceeds an applicable benchmark threshold in Table 7-1 after four consecutive semiannual measurements (or is mathematically certain to do so after less than four measurements)
- A spill, leak, release, or discharge of non-stormwater not authorized by the GP or another permit
- A required control measure is not stringent enough for a stormwater discharge to be controlled as necessary such that the receiving water will meet applicable water quality standards
- A required control measure was never designed, installed, implemented, or maintained
- Construction or a change in design, operation, or maintenance at the Site occurs that significantly changes the nature or quantity of pollutants discharged
- Color, odor, floating solids, settled solids, suspended solids, or foam observed in discharge water
- CT DEEP's Commissioner may utilize enforcement discretion to require additional corrective actions in response to permit violations

The specific corrective action requirements for each of the above conditions are laid out in GP Section 4.6.

8.2 Corrective Action Schedule

When Corrective Action Measures (CAMs) are necessary, they must be taken according to the following schedule. If corrective actions result in changes to any of the controls or procedures documented in this Plan, Barnes must modify this Plan accordingly within fourteen (14) calendar days of completing corrective action work.

8.2.1 Immediate Actions (Within 1-2 Days)

If corrective action is needed, the permittee must immediately take all reasonable steps necessary to minimize or prevent the discharge of pollutants until a permanent solution is installed and made operational, including cleaning up any contaminated surfaces so that the material will not discharge in subsequent storm events.

8.2.2 Subsequent Actions (Within 14-60 Days)

If additional actions are necessary (e.g., installing a new or modified control measure or completing a repair), they must be completed before the next storm event, if possible, and within fourteen (14) calendar days from the time of discovery of the corrective action condition.

If it is not feasible to complete the corrective action within fourteen (14) calendar days, Barnes must document the reason why. They must also identify a schedule for completing the work, which must be done as soon as practicable but no longer than sixty (60) days after discovery. Documentation must be maintained within Appendix L of this Plan.

8.2.3 Extension (Greater than 60 Days)

If the completion of corrective actions will exceed the 60-day timeframe, Barnes must document their intention to exceed 60 days, the rationale for an extension, and a completion date. Documentation must be maintained within Appendix L of this Plan.

If a structural control measure is needed for a level 3 corrective action measure, Barnes may take up to one-hundred and twenty (120) days to install such measures. Any extension beyond this must be obtained from CT DEEP's Commissioner.

8.2.4 Follow-Up Sampling

For those corrective action triggering conditions that require or recommend follow-up sampling, Barnes will have an additional thirty (30) calendar days (or until the next qualifying storm event, should none occur within thirty (30) calendar days) after implementing CAM Level 1, 2, or 3 to collect the follow-up sample. Once sampling results are received, the results must report be reported by email to DEEP.StormwaterIndustrial@ct.gov within thirty (30) days.

8.3 CAM Levels

Barnes must enact the following corrective action measures when a corrective action triggering condition occurs. Corrective actions should follow the schedule above, and should be documented in Appendix L.

8.3.1 CAM Level 1: Review Plan and Stormwater Control Measures

Immediately review this Plan and the selection, design, installation, and implementation of the stormwater control measures to ensure the effectiveness of existing measures and determine if modifications are necessary to meet GP conditions. After the review, Barnes must either:

- Implement additional measures, considering good engineering practices, that would reasonably be expected to address the triggering condition; or
- Determine nothing further needs to be done, and document their rationale and include relevant information in this Plan as to why they expect the existing control measures and best management practices to be sufficient to meet permit requirements.

If subsequent inspections and/or follow-up monitoring data indicate that the triggering condition persists after the steps taken for CAM Level 1, CAM Level 2 is initiated.

8.3.2 CAM Level 2: Plan Review and Additional Stormwater Control Measures

Review this Plan again and implement additional pollution prevention/good housekeeping stormwater control measures beyond those already in place. Subsequent control measures should consider good engineering practices, beyond what was done in the initial response, that would reasonably be expected to be expected to control the release of pollutants.

If subsequent inspections and/or follow-up monitoring data indicate that the triggering condition persists for a third time after the steps taken for CAM Level 2, CAM Level 3 is initiated.

8.3.3 CAM Level 3: Implementation of Structural Control Measures

Install structural source controls (e.g., permanent controls such as permanent cover, berms, and secondary containment), and/or treatment controls (e.g., sand filters, hydrodynamic separators, oil-water separators, retention ponds, and infiltration structures, where applicable). The control measures, treatment technologies, or treatment train should be appropriate for the pollutants that triggered a CAM Level 3 should be more rigorous than the pollution prevention/good housekeeping-type stormwater control measures implemented under Level 2.

Barnes must select controls with pollutant removal efficiencies that are sufficient to prevent or minimize pollution of stormwater. Barnes must install such stormwater control measures for the discharge point(s) in question and for any discharge point represented by this point, unless they individually monitor those discharge points and demonstrate that Level 3 requirements are not required at those discharge points.

If the issue is still not resolved after CAM Level 3 actions, and further corrective actions are infeasible, Barnes may request a waiver from further corrective actions and/or follow-up

monitoring. CT DEEP's commissioner will approve or deny the request and may notify Barnes that coverage under an individual permit is necessary.

9. AMENDMENT AND DISTRIBUTION OF THE PLAN

In accordance with conditions of the GP, this Plan must be amended under the any of the following conditions:

- There is a change at the Site which has an effect on the potential to cause pollution of the surface waters of the state.
- The actions required by this Plan fail to ensure or adequately protect against pollution of the surface waters of the state.
- CT DEEP's Commissioner requests modification of this Plan.
- Barnes is notified that it is subject to requirements because the receiving water to which the industrial activity discharges has been designated as impaired under Section 303(d) of the Clean Water Act and as identified in the most recent State of Connecticut Integrated Water Quality Report.
- Barnes is notified that a TMDL to which they are subject has been established for the receiving water to which the stormwater discharges.
- It is necessary to address any significant sources or potential sources of pollution identified as a result of any inspection or visual assessment.
- Amendment is required due to failure to meet the monitoring benchmarks of the GP.

The Plan must be amended, and all actions required by this Plan must be completed within 120 days (or within another interval as may be specified in the GP or as may be approved in writing by CT DEEP's Commissioner) of the date Barnes becomes aware or should have become aware that any of the conditions listed above has occurred. Any changes to this Plan should be recorded on Appendix M, SWPPP Revision Log.

9.1 Recertification of this Plan

If significant changes are made to the Site or to this Plan in accordance with the conditions for amendment of this Plan listed in Section 8 above, this Plan must be recertified in accordance with the "Non-Stormwater Discharges" and "Plan Certification" sections of the GP, by a Qualified Professional as defined in the GP. Barnes must maintain compliance with such Plan thereafter.

9.2 Distribution of this Plan

An up-to-date copy of this Plan is maintained by the PPT Leader and accessible to key management, supervisors, and members of the PPT.

9.3 **Plan Availability**

According to the GP, Section 3.12.1, Barnes must make a copy of their registration under the GP available electronically on their official website for public review. Copies of the registration and of this Plan shall also be provided immediately upon request to the municipal operator of the municipal separate storm sewer system to which the Site discharges.

If available, on or before thirty (30) days of receipt of a registration and this Plan, CT DEEP's Commissioner shall post this Plan on the CT DEEP website for public review and comment. If Barnes claims that certain elements of this Plan constitute a trade secret or are otherwise exempt from the disclosure requirements of the state Freedom of Information Act (FOIA) (Section 1-210 et Seq of the Connecticut General Statutes), Barnes must follow the procedures provided in the GP registration form instructions regarding information subject to FOIA requirements.

TABLES

TABLE 4-2 INVENTORY OF EXPOSED MATERIALS

Drainage Area	Location of Potential Pollutant Source	Activity Generating Potential Pollutant	Pollutants Associated With Source	Manner of Storage / Exposure	Control Measures and Method of Disposal, if Applicable	Outfall Affected by Potential Spills or Leaks
001	East side of building	Municipal refuse dumpster	Grease, Metals	Dumpster	Covered dumpster, Inspections, Waste picked up weekly	DSN 001
001	East side of building	Single stream recycling dumpster	Grease, Metals	Dumpster	Covered dumpster, Inspections, Recyclables picked up as needed	DSN 001
001	East side of building	Scrap wood dumpster	Grease, Metals	Dumpster	Covered dumpster, Inspections, Scrap wood picked up as needed	DSN 001
001	East side of building	Recyclable metals trailer	Metals	Trailer (not always on site)	Stored inside trailer, Inspections	DSN 001
001	East side of building	Loading Dock material transfer	Metals, Oil, Grease	Loading dock, vehicle	Indoor transfer, Vehicle and area inspections, Maintain spill control equipment*, Storm drain cover / seal	DSN 001
001	South side of building	Baghouses	Suspended solids, Metals	Drums	Covered drums, Inspections of baghouse and housing Drums emptied as needed; recycled or disposed of as non-hazardous waste	DSN 001
001	West side of building	Cooling tower	Metals, Oil, Grease	Cooling tower	Maintain per manufacturer operating manual, Inspections	DSN 001
001	West side of building	Emergency Generators	Oil	Emergency Generators	Inspections	DSN 001
001 and 002	West side and northwest corner of building	Transformers	Oil	Transformers	Maintain spill control equipment*, Inspections	DSN 001, DSN 002
001	Roof	Roof vents	Metals	Roof	Filter changes, Inspections, Maintenance per manufacturer	DSN 001

*Spill Control Equipment includes absorbent mats, containment socks, containment pillows, protective clothing, and overpack drums.

TABLE 7-1 SUMMARY OF SECTOR AB MONITORING REQUIREMENTS

All Monitoring Requirements for Sector AB (Transportation Equipment, Industrial or Commercial Machinery Facilities)				
MONITORING TYPE	INDUSTRIAL ACTIVITY	SCHEDULE	PARAMETER	THRESHOLD OR LIMIT
BENCHMARK GP, Section 4.5.1	Applies to all Sector AB facilities	Semiannually until requirements for benchmark monitoring exemption are met ¹	Chemical Oxygen Demand (COD)	75 mg/L
			Total Oil and Grease (O&G)	5.0 mg/L
			pH	5.0 - 9.0 s.u.
			Total Suspended Solids (TSS)	90 mg/L
			Total Phosphorus (TP)	0.40 mg/L
			Total Kjeldahl Nitrogen (TKN)	2.30 mg/L
			Nitrate as Nitrogen (NO ₃ -N)	1.10 mg/L
			Total Copper (Cu)	0.059 mg/L
			Total Lead (Pb)	0.076 mg/L
			Total Zinc (Zn)	0.160 mg/L
ADDITIONAL GP, Section 4.5.2	Applies to all Sector AB facilities	No additional monitoring for Sector AB		
EFFLUENT LIMITS GP, Section 4.5.3	Applies to all Sector AB facilities	No effluent limits for Sector AB		
AQUATIC TOXICITY GP, Section 4.5.4	Applies to all Sector AB facilities	Once in the permit term ³	LC ₅₀ for <i>Daphnia pulex</i>	None
			LC ₅₀ for <i>Mysidopsis bahia</i>	
IMPAIRED WATERS GP, Section 4.5.5	Applies to all Sector AB facilities	Annually	N/A	

¹ Facilities may qualify for benchmark exemptions for a maximum of 2 years at a time (in addition to GP, Section 4.5.1).

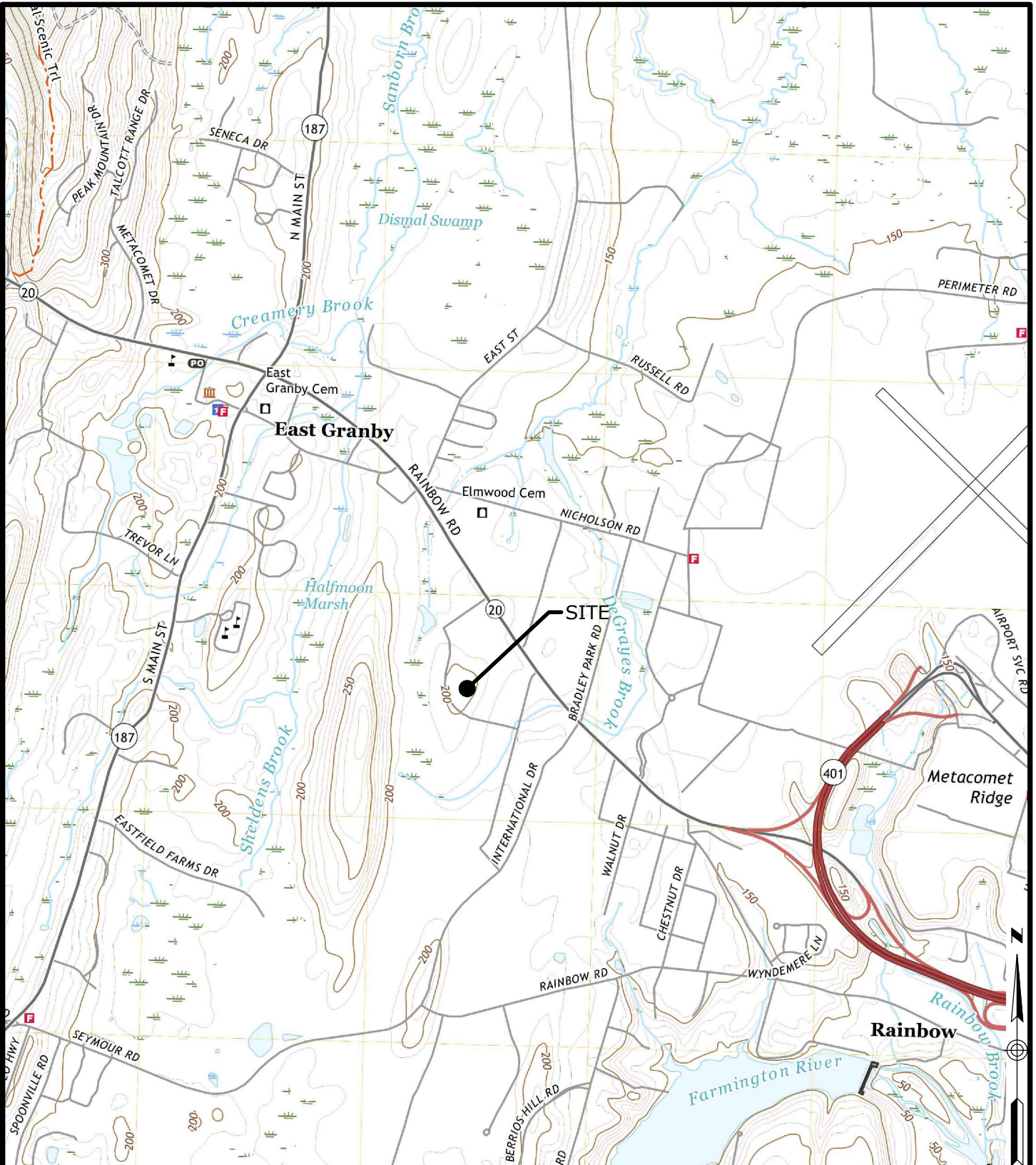
² DEEP Water Quality Plans and Assessment Map: <https://portal.ct.gov/DEEP/Water/Water-Quality/Water-Quality-305b-Report-to-Congress>.

³ Aquatic toxicity testing shall be performed in the first year after receiving the Notice of Coverage from CT DEEP's Commissioner and the results shall be reported in NetDMR.

FIGURE 1

USGS Site Location Map

\\FILE01\PROJECTS\2\CT\EAST GRANBY\CONNECTICUT S DR-7\SWPPP & SPCC UPDATE 2023_004WH3.11\DWGS\NON PLANSET\USGS LOCATION MAP.DWG



Loureiro Engineering Associates, Inc.
 100 Northwest Drive • Plainville, Connecticut 06062
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 An Employee Owned Company • www.Loureiro.com

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USGS SITE LOCATION MAP

BARNES AEROSPACE SWPPP & SPCC
 7 CONNECTICUT SOUTH DR, EAST GRANBY, CT 06026

PREPARED FOR:

BARNES AEROSPACE
 7 CONNECTICUT SOUTH DR, EAST GRANBY, CT 06026

SCALE
 1"=2000'

COMM. NO.
 04WH3.11

DATE
 12/28/2023

DRAWING

FIG 1

DRAWING 1

Site Plan

DRAINAGE AREA TABLE

DRAINAGE AREA	PERVIOUS AREA (SF)	IMPERVIOUS AREA (SF)
1	95,360±	140,895±
2	9,900±	53,683±
3	38,430±	0

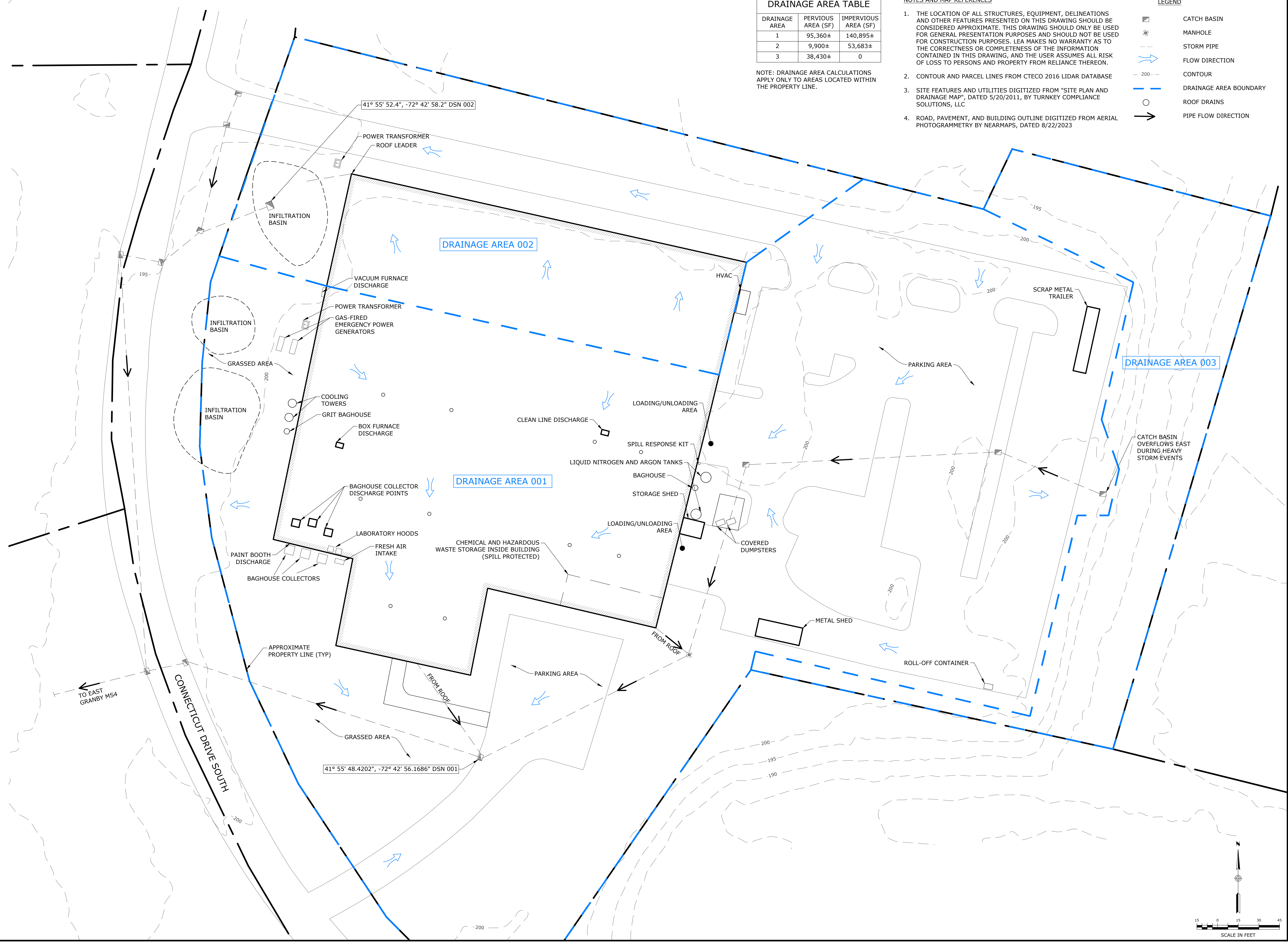
NOTE: DRAINAGE AREA CALCULATIONS APPLY ONLY TO AREAS LOCATED WITHIN THE PROPERTY LINE.

NOTES AND MAP REFERENCES

- THE LOCATION OF ALL STRUCTURES, EQUIPMENT, DELINEATIONS AND OTHER FEATURES PRESENTED ON THIS DRAWING SHOULD BE CONSIDERED APPROXIMATE. THIS DRAWING SHOULD ONLY BE USED FOR GENERAL PRESENTATION PURPOSES AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES. LEA MAKES NO WARRANTY AS TO THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION CONTAINED IN THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY FROM RELIANCE THEREON.
- CONTOUR AND PARCEL LINES FROM CTECO 2016 LIDAR DATABASE
- SITE FEATURES AND UTILITIES DIGITIZED FROM "SITE PLAN AND DRAINAGE MAP", DATED 5/20/2011, BY TURNKEY COMPLIANCE SOLUTIONS, LLC
- ROAD, PAVEMENT, AND BUILDING OUTLINE DIGITIZED FROM AERIAL PHOTOGRAMMETRY BY NEARMAPS, DATED 8/22/2023

LEGEND

- CATCH BASIN
- MANHOLE
- STORM PIPE
- FLOW DIRECTION
- CONTOUR
- DRAINAGE AREA BOUNDARY
- ROOF DRAINS
- PIPE FLOW DIRECTION



SWPPP SITE PLAN

BARNES AEROSPACE SWPPP & SPCC
7 CONNECTICUT SOUTH DR, EAST GRANBY, CT 06026

BARNES AEROSPACE
7 CONNECTICUT SOUTH DR, EAST GRANBY, CT 06026

SCALE: 1"=20'

CONTRACT NO. 04WH3.1.1

DATE: 1/2/2024

DRAWN BY: APH

APPROVED BY: GFA

DATE: 1/2/2024

DATE: 1/2/2024

DATE: 1/2/2024

DATE: 10/15/2024

DATE: 12/12/2025

DATE: 1/12/2026

REV. 1

REV. 2

REV. 3

DESCRIPTION OF REVISION

ROOF DRAINS AND PIPE FLOW DIRECTIONS

GENERAL REVISIONS

GENERAL REVISIONS

GENERAL REVISIONS

DATE

APPR.

STAMP

Loureiro
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www.loureiro.com
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DRAWING

1

SHEET NO. 1

NO. OF SHEETS 1

1/2/2024 11:10 AM

APPENDIX A

**National Pollutant Discharge Elimination System General Permit for the Discharge of
Stormwater Associated with Industrial Activities**

National Pollutant Discharge Elimination System General Permit for the Discharge of Stormwater Associated with Industrial Activities

At the time of the certification of this Plan, the GP is available at https://portal.ct.gov/-/media/deep/water_regulating_and_discharges/stormwater/industrial/2025-permit-documents/2025-industrial-stormwater-general-permit-part-1--2erc.pdf?rev=e07e4c0e8e9942cfb424954fe5bc89e5&hash=CFF6E87399495EA4981CB0C8949F43CD

A copy of the GP is also included in a separate document to be kept with this Plan. This copy of the GP only includes the sector-specific requirements for Sector AB.

APPENDIX B

General Permit Registration



3/24/2026

June Arriens
Barnes Aerospace Foundation Inc.
123 Main St
Bristol, CT 06010
jvarriens@loureiro.com

Subject: Barnes East Granby Industrial Stormwater Permit Renewal

Filing #: 143929

NDDB - New Determination Number: 202603991

Expiration Date: 3/24/2028

I have reviewed Natural Diversity Data Base (NDDB) maps and files regarding the area of work provided for the industrial stormwater discharge from 7 Connecticut South Dr, East Granby, Connecticut. I anticipate no impacts to listed species. Be sure to create and follow a stormwater pollution prevention plan that includes measures to prevent contamination and to support healthy wetlands and good water quality.

Your submission information indicates that your project requires a state permit, license, registration, or authorization, or utilizes state funding or involves state agency action. This NDDB - New determination may be utilized to fulfill the Endangered and Threatened Species requirements for state-issued permit applications, licenses, registration submissions, and authorizations.

Please be aware of the following limitations and conditions:

Natural Diversity Database information includes all information regarding listed species available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, land owners, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as enhance existing data. Such new information is incorporated into the Database and accessed through the ezFile portal as it becomes available. New information may result in additional review, and new or modified restrictions or conditions may be necessary to remain in compliance with certain state permits.

- During your work listed species may be encountered on site. A report must be submitted by the observer to the Natural Diversity Database promptly and additional review and restrictions or conditions may be necessary to remain in compliance with certain state permits. Please fill out the [appropriate survey form](#) and follow the instructions for submittal.
- Your project involves the state permit application process or other state involvement, including state funding or state agency actions; please note that consultations with your permit analyst or the agency may result in additional requirements. In this situation, additional evaluation of the proposal by the

DEEP Wildlife Division may be necessary and additional information, including but not limited to species-specific site surveys, may be required. Any additional review may result in specific restrictions or conditions relating to listed species that may be found at or in the vicinity of the site.

- If your project involves preparing an Environmental Impact Assessment, this NDDDB consultation and determination should not be substituted for biological field surveys assessing on-site habitat and species presence.
- The NDDDB - New determination for the Barnes East Granby Industrial Stormwater Permit Renewal as described in the submitted information and summarized at the end of this document is valid until 3/24/2028. This determination applies only to the project as described in the submission and summarized at the end of this letter. Please re-submit an updated Request for Review if the project's scope of work and/or timeframe changes, including if work has not begun by 3/24/2028.

If you have further questions, please contact me at the following:

Anna Toledo
CT DEEP Bureau of Natural Resources
Wildlife Division
Natural Diversity Database
79 Elm Street
Hartford, CT 06106-5127

Anna.Toledo@ct.gov

Please reference the Determination Number 202603991 when you e-mail or write. Thank you for consulting the Natural Diversity Data Base.

Anna Toledo
Wildlife Division- Natural Diversity Data Base
79 Elm Street
Hartford, CT 06106-5127
Anna.Toledo@ct.gov

Application Details:

Project involves federal funds or federal permit:	No
Project involves state funds, state agency action, or relates to CEPA request:	No
Project requires state permit, license, registration, or authorization:	Yes
DEEP enforcement action related to project:	
Project Type:	Stormwater Industrial
Project Sub-type:	Stormwater Industrial
Project Name:	Barnes East Granby Industrial Stormwater Permit Renewal
Project Description:	

APPENDIX C

Certification of Non-Stormwater Discharges Supporting Information

Certification of Non-Stormwater Discharges - Supporting Information

An inspection by Loureiro Engineering Associates personnel was performed on December 14, 2023. This was a day with dry weather, to aid in identifying any non-stormwater discharges. Loureiro personnel also conducted follow-up visits to the site on February 15, 2024 and April 2, 2024. Site personnel were asked about site operations and about floor drains. The only floor drains on site in the restrooms and are connected to the sanitary sewer. No unauthorized non-stormwater discharges were observed during any inspections. An unknown pipe that was observed draining into the DSN-001 catch basin was determined to be connected to the roof drain system.

The following areas were directly observed during the evaluations:

- All catch basins on site, including sampling location DSN-001
- The roof of the building
- The building interior
- The building exterior, including all paved areas

In addition, subsequent monthly routine inspections conducted by Loureiro in 2025 showed no evidence of non-stormwater discharges.

APPENDIX D

Log of Significant Spills and Leaks (≥ 5 gallons)

Log of Significant Spills and Leaks (≥5 gallons)

Date and Time	Location	Description				Response Procedures	Corrective Measures Taken
		Type of Material	Quantity	Source	Reason		

APPENDIX E

Training Records

APPENDIX F

Monthly Inspection Form

BARNES AEROSPACE WINDSOR AIRMOTIVE
 East Granby, Connecticut
Monthly Inspection Form

Date, Time: _____

Weather Conditions*: _____

Inspector's Name(s). Note which Inspector(s) are Pollution Prevention Team Members:

Inspector's Signature(s):

Check the following items that were inspected:

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Potential Pollutant Sources
<input type="checkbox"/> Municipal Refuse Dumpster
<input type="checkbox"/> Single Stream Recycling Dumpster
<input type="checkbox"/> Scrap Metal Dumpster (if present)
<input type="checkbox"/> Scrap Wood Dumpster
<input type="checkbox"/> Recyclable Metals Trailer (if present)
<input type="checkbox"/> Loading Dock Area | Potential Pollutant Sources
<input type="checkbox"/> Transformers
<input type="checkbox"/> Emergency Generators
<input type="checkbox"/> Baghouses
<input type="checkbox"/> Cooling Tower
<input type="checkbox"/> Roof Vents |
| | Stormwater discharge points
<input type="checkbox"/> DSN 001 Catch Basin
<input type="checkbox"/> DSN 002 Catch Basin |

*At least one monthly inspection per calendar year must be performed while stormwater discharge is occurring.

Did you observe any of the following (check Yes or No)

Yes No

Industrial materials, residue, or trash that may have or could come into contact with stormwater.		
Leaks or spills from industrial equipment, drums, tanks, and other containers.		
Offsite tracking of industrial or waste materials, or sediment, where vehicles enter or exit the site.		
Tracking/blowing of materials from areas of no exposure to exposed areas.		
Soil erosion; channel and streambank erosion and scour in the immediate vicinity of discharge points.		
Non-authorized non-stormwater discharges (e.g. vehicle wash-waters, boiler blowdown, sanitary wastes).		
Control measures needing replacement, maintenance, or repair.		

If you answered "Yes" to any of the above, provide comments below.

APPENDIX G

Semiannual Comprehensive Compliance Evaluation Form

BARNES AEROSPACE WINDSOR AIRMOTIVE
East Granby, Connecticut
Semi-Annual Comprehensive Compliance Evaluation Form

Instructions: This Semi-Annual Comprehensive Compliance Evaluation Form must be completed by, or along with, a Pollution Prevention Team (PPT) Member. If remedial action(s) are required, the issue(s) must also be noted in the Remedial Action Log. This Form should be filed in Appendix G of the Stormwater Pollution Prevention Plan (SWPPP).

While completing this Form, please review, at minimum, the following items:

- SWPPP including, but not limited to, items such as best management practices (BMPs), control measures, spill response equipment, etc.;
- Site Map;
- Monthly Inspection Forms;
- Quarterly Visual Assessment Reports;
- Discharge Monitoring Reports (DMRs); and,
- Preventive Maintenance (PM) Records.

Name, Title, and Signature of Inspector: _____

Date, Time: _____

Weather Conditions: _____

Name, Title, and Signature of PPT Member: _____

Date of the Last Semi-Annual Comprehensive Compliance Evaluation: _____

Documentation Review		
Evaluation Criteria	Responses, Observations, and/or Comments	Is Remedial Action Required? (Yes/No)
Are the names and telephone numbers of the PPT Members listed in Section 3 of the SWPPP up-to-date and accurate?		
Have there been any changes to the outside of the facility since the last semi-annual evaluation that could affect stormwater? Review Table 4-2 of the SWPPP to verify that the potential pollutant sources listed are accurate compared to current conditions. <ul style="list-style-type: none"> • Have any new potential pollutant sources been added or removed? • If sources have been added, do the new sources add non-stormwater discharges to stormwater (e.g. vehicle wash-waters, boiler blowdown, sanitary wastes)? • Does the Site Plan need to be updated as a result of the aforementioned update(s)? 		
Were there any spills or leaks since the last semi-annual evaluation that impacted stormwater? <ul style="list-style-type: none"> • If so, were the spills or leaks documented in Appendix D? 		

BARNES AEROSPACE WINDSOR AIRMOTIVE
 East Granby, Connecticut
Semi-Annual Comprehensive Compliance Evaluation Form

Documentation Review		
Evaluation Criteria	Responses, Observations, and/or Comments	Is Remedial Action Required? (Yes/No)
Have the PM activities outlined in the SWPPP (i.e., catch basin cleaning, equipment maintenance, sweeping, etc.) been performed at the specified frequencies? <ul style="list-style-type: none"> • Were maintenance records retained in the location specified in the SWPPP? 		
Review the Monthly Inspection Forms that were completed since the date of the last Semi-Annual Comprehensive Compliance Evaluation. <ul style="list-style-type: none"> • Are the completed Monthly Inspection Forms filed in Appendix F of the SWPPP? • Were any unsatisfactory conditions corrected and was documentation retained to demonstrate this? 		
Were Quarterly Visual Assessment Forms completed during each quarter since the date of the last Semi-Annual Comprehensive Compliance Evaluation? <ul style="list-style-type: none"> • Are the completed Quarterly Visual Assessment Forms filed in Appendix I of the SWPPP? • Were any unsatisfactory conditions corrected and was documentation retained to demonstrate this? 		
Were semiannual stormwater samples collected during the last monitoring period? <ul style="list-style-type: none"> • If so, were monitoring results submitted to the Connecticut Department of Energy and Environmental Protection (CT DEEP) within 90 days of sampling? • Were there any benchmark exceedances? • If so, were corrective actions taken and was documentation retained to demonstrate this? 		
Are there any issues that were identified in the previous Semi-Annual Comprehensive Compliance Evaluation that have not been addressed?		
Review stormwater training records. <ul style="list-style-type: none"> • Has annual training been performed? <ul style="list-style-type: none"> ○ If yes, document the date(s). • Have newly hired employees been provided with stormwater training within 90 days of beginning a position that involves activities that could potentially affect stormwater? 		

BARNES AEROSPACE WINDSOR AIRMOTIVE
 East Granby, Connecticut
Semi-Annual Comprehensive Compliance Evaluation Form

Site Inspection		
Evaluation Criteria	Responses, Observations, and Comments	Is Remedial Action Required? (Yes/No)
<p><i>Interior Facility Walk-Through:</i> Inspect interior material and chemical storage areas including raw, intermediate, final, and waste materials that have the potential to be released outside of the confines of the facility and come in contact with stormwater.</p>		
<p><i>Roof Inspection:</i> Inspect the roof for signs of contamination, discoloration, etc. as well as sediment build-up in gutters, roof drains, downspouts, etc.</p>		
<p>Make a visual inspection of material handling areas, and material storage areas, and other potential sources of pollution identified in the SWPPP for evidence of, or the potential for, pollutants entering the stormwater drainage system.</p>		
<p>Determine whether structural stormwater management measures, erosion control measures, control measures and other structural pollution prevention measures identified in the SWPPP are implemented and maintained properly.</p>		
<p>Inspect infiltration practices used in the treatment of stormwater to ensure that they are not causing pollution to groundwater.</p>		
<p>Inspect all outfalls. Describe any discharges occurring at the time of the inspection.</p>		

BARNES AEROSPACE WINDSOR AIRMOTIVE
 East Granby, Connecticut
Semi-Annual Comprehensive Compliance Evaluation Form

Remedial Action Log

Instructions:

After completion of the Semi-Annual Comprehensive Compliance Evaluation Form, if any unsatisfactory condition(s) were observed, they shall be documented on this Remedial Action Log along with the corresponding remedial actions. This Log should be filed in Appendix G of the Stormwater Pollution Prevention Plan (SWPPP).

Date of Evaluation	Category	Description of Unsatisfactory Condition(s)	Remedial Action(s)		
			Description	Completion Date	Completed By

APPENDIX H

Deviations from Monitoring Schedule

APPENDIX I

Quarterly Visual Assessment Form

BARNES AEROSPACE WINDSOR AIRMOTIVE
East Granby, Connecticut
Sampling Period: Quarter , Sampling Year

Quarterly Visual Assessment Form

Instructions:

- A visual sample can only be collected during a storm event that occurs at least 72 hours after any previous storm events generating a discharge at the sampling location.
- A sample must be collected within the first 30 minutes of discharge at the sampling location. If it was not, please indicate why: _____
- The visual assessment must be made in a clean, colorless plastic or glass container and conducted in a well-lit area.
- If unsatisfactory water quality characteristics are observed, the cause(s) of contamination must be investigated and corrected. This information should be documented on the Remedial Action Log.

Sampling Date: _____ Stormwater Source (Rain/Snowmelt): _____

Discharge Start Time (am/pm): _____ Sampling Time (am/pm): _____

Sampling Location: _____

Sampler's Name, Title, Signature: _____

Water Quality Characteristics	Observations	Satisfactory (No further action required)	Unsatisfactory (Remedial action needed)
Color			
Odor			
Clarity			
Floating Solids			
Settled Solids			
Suspended Solids			
Foam			
Oil Sheen			
Other Obvious Indicators of Stormwater Pollution			

BARNES AEROSPACE WINDSOR AIRMOTIVE

East Granby, Connecticut

Sampling Period: Quarter , Sampling Year

Remedial Action Log

Instructions:

If unsatisfactory water quality characteristics are observed, the probable sources of stormwater contamination must be noted below along with documentation of the completed remedial actions. This Log should be filed in Appendix K of the Stormwater Pollution Prevention Plan (SWPPP).

Sampling Date	Unsatisfactory Water Quality Characteristics Observed	Probable Sources of Stormwater Contamination	Completed Remedial Actions		
			Description	Completion Date	Completed By

APPENDIX J

Annual Report Template

APPENDIX K

Semiannual Monitoring Records

APPENDIX L

Corrective Action Measure Documentation

Appendix G

Corrective Action Measure Requirements & Waiver Request

Purpose:

A qualified professional, as defined in the general permit, trained and designated by the permittee, will complete this form as soon as they are made aware of a condition triggering a Corrective Action Measure (CAM). The permittee must keep this form and any related documentation in the Stormwater Pollution Prevention Plan.

Violation of an Effluent Limitations Guideline:

Violation of an Effluent Limit Guideline (ELG) requires immediate reporting in accordance with the permit terms and conditions. The permittee may attach this form when completing the online notification of noncompliance. See Sections 4.6 and 4.7 of the general permit for further reporting requirements. The Noncompliance Reporting portal is located at:

<https://portal.ct.gov/deep/water-regulating-and-discharges/industrial-wastewater/compliance-assistance/notification-requirements>

Request for an Extension or Waiver:

The permittee may also use this form to request an extension to timelines for implementing Corrective Action Measure Level 1, 2, or 3 as needed, or to request a Waiver from further Corrective Action Measures and/or monitoring. A request, and copy of the this form along with supporting documentation may be submitted to DEEP at Stormwater Staff DEEP.Stormwaterindustrial@ct.gov. Retain a copy of all requests and communication in the SWPPP.

Appendix G

Corrective Action Measure Requirements & Waiver Request

Section 1. Corrective Action Measure Documentation Submission Type	
General Corrective Action Measure Documentation	<input type="checkbox"/>
Violation of an Effluent Limitations Guideline	<input type="checkbox"/>
Unauthorized spill, leak, release, or discharge	<input type="checkbox"/>
Request for an Extension to CAM Timelines	<input type="checkbox"/>
Request for a Waiver from Further Corrective Action Measures and/or Monitoring ²	<input type="checkbox"/>

Section 2. Corrective Action Measure General Information		
Permittee Information	Permittee Name	
	Site Name	
	Site Address	
	Site City/State/Zip	
	Permit Number (CTR05)	
Site Contact (Person Filling out this Form)	Name (first & last)	
	Title	
	Email Address	
	Phone Number	
Date/ Time/ Location	Location of Incident on Site	
	Time of Condition Started	
	Date of Condition Started	

Appendix G

Corrective Action Measure Requirements & Waiver Request

Section 3. Corrective Action Triggering Condition Information		
Triggering Condition	Description	Condition Occurring? (Check Box)
4 Event Average Exceeds the Benchmark Threshold (or Mathematical Equivalent)	A discharge exceeds an applicable benchmark threshold after 4 consecutive semi-annual measurements	<input type="checkbox"/>
Effluent Limit Exceedance	A discharge exceeds a numeric effluent limitation guideline	<input type="checkbox"/>
Unauthorized release or discharge	Spill, leak, release, or discharge of non-stormwater not authorized by this permit or another permit	<input type="checkbox"/>
Inconsistency with an Applicable Total Maximum Daily Load and Wasteload Allocation	A discharge is inconsistent with the assumptions and requirements of an Applicable Total Maximum Daily Load and its Wasteload Allocation	<input type="checkbox"/>
Control Measure Not Stringent Enough to Meet Water Quality Standards	A required control measure is not stringent enough for a stormwater discharge to be controlled as necessary such that the receiving water will meet applicable water quality standards	<input type="checkbox"/>
Control Measure Never Designed, Installed, Implemented, or Maintained	A required control measure was never designed, installed, or implemented	<input type="checkbox"/>
Change in Design, Operation, or Maintenance at a Facility	Construction or a change in the design, operation, or maintenance at a facility that significantly changes the nature or increases the quantity of pollutants discharged	<input type="checkbox"/>
Visual Assessment Shows Evidence of Pollution	Color, odor, floating solids, settled solids, suspended solids, or foam observed in discharge water	<input type="checkbox"/>
Other Corrective Actions (as Required by the Commissioner)	The Commissioner may utilize enforcement discretion to require additional corrective actions in response to permit violations	<input type="checkbox"/>

Appendix G
Corrective Action Measure Requirements & Waiver Request

Please provide a description of the event or the request being made to the Commissioner:

Appendix G
Corrective Action Measure Requirements & Waiver Request

Section 4. Corrective Action Measure		
Select the appropriate level and describe the actions taken		
<input type="checkbox"/> Corrective Action Level 1	Immediate Actions (Within 1-2 Days)	
	Subsequent Actions (Within 14-60 Days)	
	Extension (Greater than 60 Days)	
	Follow-up sample, if applicable (include date, discharge location, and parameter)	
<input type="checkbox"/> Corrective Action Level 2	Immediate Actions (Within 1-2 Days)	
	Subsequent Actions (Within 14-60 Days)	
	Extension (Greater than 60 Days)	
	Follow-up sample, if applicable (include date, discharge location, and parameter)	
<input type="checkbox"/> Corrective Action Level 3	Immediate Actions (Within 1-2 Days)	
	Subsequent Actions (Within 14-60 Days)	
	Extension (Greater than 60 Days)	
	Follow-up sample, if applicable (include date, discharge location, and parameter)	

Appendix G

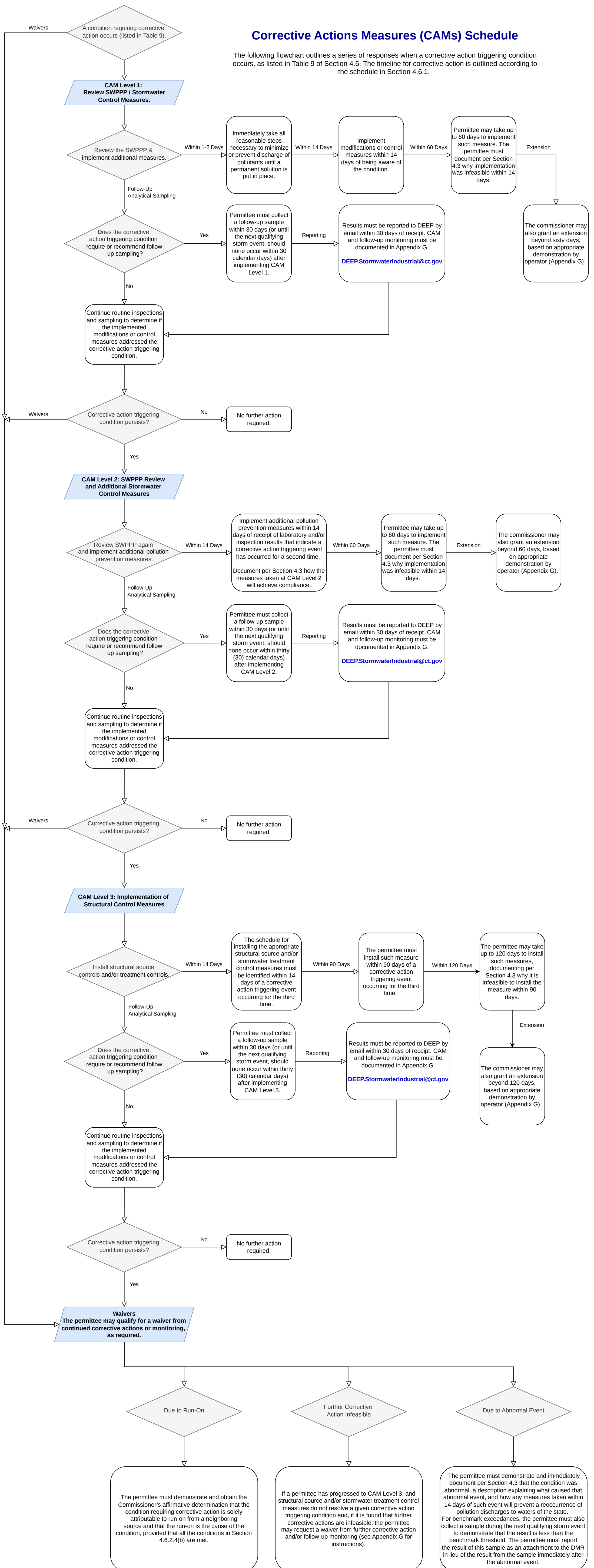
Corrective Action Measure Requirements & Waiver Request

Section 5. Additional Information (check all that apply)

<input type="checkbox"/> Follow-up photographs	Please describe any photographs taken and attach them to the end of this document.														
<input type="checkbox"/> Request for an extension	Please describe the request for an extension for CAM implementation. Please see the permit for criteria applicable to exemptions.														
<input type="checkbox"/> Request for a waiver	Please describe the request for a waiver from further corrective action measures and/ or monitoring. Please see the permit for criteria applicable to waivers.														
Certification	<p>I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate, and complete to the best of my knowledge and belief. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the Regs. Conn. State Agencies, pursuant to section 53a-157b of the Regs. Conn. State Agencies, and in accordance with any other applicable statute.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Certifier Name:</td> <td style="width: 30%;">Click or tap here to enter text.</td> <td style="width: 25%;">Certifier Title:</td> <td style="width: 20%;">Click or tap here to enter text.</td> </tr> <tr> <td>Certifier Signature:</td> <td></td> <td>Date:</td> <td>Click or tap here to enter text.</td> </tr> <tr> <td>Site/Facility Name and Address:</td> <td>Click or tap here to enter text.</td> <td>General Permit No.:</td> <td>Click or tap here to enter text.</td> </tr> </table>			Certifier Name:	Click or tap here to enter text.	Certifier Title:	Click or tap here to enter text.	Certifier Signature:		Date:	Click or tap here to enter text.	Site/Facility Name and Address:	Click or tap here to enter text.	General Permit No.:	Click or tap here to enter text.
Certifier Name:	Click or tap here to enter text.	Certifier Title:	Click or tap here to enter text.												
Certifier Signature:		Date:	Click or tap here to enter text.												
Site/Facility Name and Address:	Click or tap here to enter text.	General Permit No.:	Click or tap here to enter text.												

Corrective Actions Measures (CAMs) Schedule


The following flowchart outlines a series of responses when a corrective action triggering condition occurs, as listed in Table 9 of Section 4.6. The timeline for corrective action is outlined according to the schedule in Section 4.6.1.



APPENDIX M

SWPPP Revision Log

SWPPP Revision Log

Amendment Number	Description of the Amendment	Recertification Required?*(Yes/No)	Date of Amendment	Amendment Prepared by [Name(s) and Title(s)]	Signature(s)
0	Complete reissuance of this Plan in accordance with the GP issued on November 1, 2025.	Yes	March 2026	June Arriens, Project Scientist, Loureiro	
1					
2					
3					
4					
5					
6					
7					
8					
9					
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*If significant changes are made to the site or to this Plan in accordance with Section 4.3 of the GP, this Plan must be re-certified in accordance with Section 4.3.2.9 of the GP.