

Storm Water Pollution Prevention Plan

for:

Fairbanks International Airport
6450 Airport Way, Suite 1
Fairbanks, AK 99709

SWPPP Contact(s):

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Fairbanks International Airport
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Contents

SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION.....	0
1.1 Facility Information	0
1.2 Contact Information/Responsible Parties	1
1.3 Storm Water Pollution Prevention Team.....	2
1.4 Activities at the Facility	2
1.5 General Location Map	4
1.6 Site Map(s).....	4
SECTION 2: POTENTIAL POLLUTANT SOURCES	5
2.1 Industrial Activity and Associated Pollutants	5
2.2 Spills and Leaks.....	5
2.3 Non-Storm Water Discharges Documentation.....	7
2.4 Salt Storage	8
2.5 Sampling Data Summary	8
SECTION 3: STORM WATER CONTROL MEASURES.....	9
3.1 Minimize Exposure.....	9
3.2 Good Housekeeping.....	9
3.3 Maintenance.....	9
3.4 Spill Prevention and Response.....	11
3.5 Erosion and Sediment Controls	12
3.6 Management of Runoff	12
3.7 Salt Storage Piles or Piles Containing Salt	13
3.8 MSGP Sector-Specific Non-Numeric Effluent Limits	13
3.9 Employee Training	13
3.10 Non-Storm Water Discharges.....	14
3.11 Waste, Garbage and Floatable Debris	14
3.12 Dust Generation and Vehicle Tracking of Industrial Materials	14
SECTION 4: SCHEDULES AND PROCEDURES FOR MONITORING	15
SECTION 5: INSPECTIONS	16
SECTION 6: SWPPP CERTIFICATION	19
SECTION 7: SWPPP MODIFICATIONS	20
SWPPP ATTACHMENTS	22
Attachment A – General Location Map	
Attachment B – Site Map(s)	
Attachment C – NOI and Authorization Letter	
Attachment D – Spill Log	
Attachment E – 2026 MSGP	
Attachment F – Routine Inspection Reports	
Attachment G – Quarterly Visual Assessments	
Attachment H – Annual Reports	
Attachment I – Corrective Action Log	
Attachment J – Employee Training Log	
Attachment K – Pollutant Source Inventory and Chemical Data Sheets	
Attachment L – Deicing Tracking	

SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION

1.1 Facility Information

Facility Information

Name of Facility: Fairbanks International Airport (FAI)

Street: 6450 Airport Way, Suite 1

City: Fairbanks State: AK ZIP Code: 99709

Borough or Similar Government Subdivision: Fairbanks North Star Borough

Permit Tracking Number: AKR06AB76 (if covered under a previous permit)

Enter geographic coordinates in Decimal Degrees:

Latitude: 64.816732°N

Longitude: -147.864197°W

Method for determining latitude/longitude (check one):

☐ USGS topographic map (specify scale: _____)

☐ EPA Web site

☐ GPS

☒ Other (please specify): Google Earth Pro

Is the facility located in Indian Country?

☐ Yes

☒ No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable." N/A

Is this facility considered a Federal Facility? ☐ Yes ☒ No

Estimated area of industrial activity at site exposed to storm water (acres): 1300

Discharge Information

Does this facility discharge storm water into an MS4? ☒ Yes ☐ No

If yes, name of MS4 operator: Fairbanks North Star Borough

Name(s) of water(s) that receive storm water from your facility: Unnamed ponds, wetlands, sloughs, Chena River

Are any of your discharges directly into any segment of an "impaired" water? ☐ Yes ☒ No

If Yes, identify name of the impaired water (and segment, if applicable): N/A

Identify the pollutant(s) causing the impairment: _____

For pollutants identified, which do you have reason to believe will be present in your discharge? _____

For pollutants identified, which have a completed TMDL? _____

Are any of your storm water discharges subject to effluent guidelines? ☒ Yes ☐ No

If Yes, which guidelines apply? Sector S effluent limitations on runoff containing urea

Primary SIC Code or 2-letter Activity Code (refer to Appendix D of the 2026 MSGP): 4581

Identify the applicable Sector and Subsector: Sector S/S1. Air Transportation Facilities

1.2 Contact Information/Responsible Parties

Facility Operator (s):

Name: Alaska Department of Transportation and Public Facilities (DOT&PF)

Title: Fairbanks International Airport (FAI)

Address: 6450 Airport Way, Suite 1

City, State, Zip Code: Fairbanks, AK 99709

Telephone Number: (907) 474-2598

Email address: jake.matter@alaska.gov

SWPPP Contact:

Name: Jake Matter, FAI Environmental Manager

Telephone number: (907) 474-2598

Email address: jake.matter@alaska.gov

1.3 Storm Water Pollution Prevention Team

Staff Titles	Individual Responsibilities
Environmental Manager	SWPPP Development, SWPPP Implementation, Facility Inspections, Annual Report, Corrective Actions, Spill Reporting
Airport Manager	Airport Operations, Annual Report Signatory
Airport Engineering Group	Oversight of the Engineering and Planning sections at FAI. Facility Inspection Support
Chief of Operations	Daily guidance and supervision of Airport Operations. Control Measure Support
Chief of Maintenance	Planning, coordination and management of Airfield Maintenance, Equipment Maintenance, Building Maintenance and Terminal Services Sections. Repair of runways and taxiways, as well as winter snow removal of same. Inspection Support, Deicing Basin Management

1.4 Activities at the Facility

Fairbanks International Airport (FAI) is located in the Interior of Alaska four miles west of the urban center of Fairbanks near the confluence of the Chena and Tanana Rivers (see Figure 1, Attachment A). Aircraft activity at FAI includes major air carrier operations, cargo operations, commuter/air taxi operations, and general aviation operations. Runway facilities include a primary 11,800-foot paved runway, a 6,501-foot paved general aviation runway, a gravel/ski strip, and a float pond.

Activity at FAI is divided between the west and east ramps. The terminal, air cargo facilities, bulk fuel storage and distribution areas, airport support and maintenance facilities, and major air carrier support and maintenance are located on the West ramp. Air taxi/commuter facilities and support facilities are located primarily on the east ramp. Active air surfaces are located between the east and west ramps.

Aviation related facilities include the passenger terminal, airpark, east ramp general aviation, and deicing pad and basin maintenance. FAI leases property to a number of aviation-related businesses that operate at the airport.

Industrial activities on FAI property include runway, ramp, and apron maintenance, aircraft maintenance and fueling, aircraft and vehicle washing, building maintenance, vehicle maintenance and fueling, cargo shipping and receiving, and fuel storage and delivery. Products such as deicing and anti-icing materials, fuel, lubricants, solvents, and paints are stored, transferred, used and disposed of by FAI and tenants. FAI facilities are regulated under the MSGP with industry specific requirements in Sector S – Air Transportation. Sector S of the 2026 MSGP authorizes discharges for portions of air transportation facilities involved with vehicle maintenance, equipment cleaning, and deicing operations.

STORMWATER DRAINAGE

Stormwater drainage at FAI is subdivided into 11 drainage areas with different discharge points. Stormwater from FAI either sheet flows or is conveyed through ditches and pipes to surrounding ponds and wetlands. Storm sewer drains and conveyance systems are located in the paved areas throughout the facility to capture and control stormwater at FAI. Figure 2 (Attachment B) shows the stormwater conveyance system and general surface water flow direction at FAI.

FAI has two dedicated aircraft deicing basins, north and south basins, used to contain deicer-laden snow and snowmelt during the spring to prevent direct discharge to surface waterbodies. FAI has another deicing basin for the Heavy Aircraft Deicing Area just south of the terminal, which is only used in case of an emergency. FAI Maintenance and Operations hauls snow throughout the season from the deicing pads to the two designated deicing snow storage areas (Figures 2, 5, 7 and 13, Attachment B). In the spring, FAI discharges deicer-laden snowmelt from each basin either to the Golden Heart Utilities Regional Wastewater Treatment Plant, after sampling indicates discharge meets acceptance criteria, or to vegetated swales for infiltration. An oil/grit separator is located at each deicing basin to provide treatment of water prior to discharge to sanitary sewer. During non-freezing conditions (i.e., spring/summer), valves are opened to allow stormwater to be directed to vegetated swales for infiltration. In early fall, prior to snowfall, the basin valves are closed.

TENANTS (MSGP Part 11.S.3)

FAI has dozens of leaseholders who provide or support domestic and international air transportation. A list of FAI tenants is maintained electronically on the DOT&PF server.

The leaseholders are regulated independently under their own APDES MSGP permit for stormwater discharges, with each regulated tenant responsible for its own APDES permit (if eligible for coverage). Regulated tenants perform aircraft deicing (at designated deicing pads), aircraft servicing, equipment and vehicle maintenance, and fueling. Each tenant is responsible for determining whether they need to be covered under a separate MSGP permit for their operations at FAI.

FAI supports its tenants in preventing stormwater pollution by providing maps and through contractual controls. FAI also encourages its tenants to comply with environmental regulations through its review of required FAI building permits. Standard language in FAI building permits requires attention to environmental issues. Building permits are reviewed on a case-by-case basis, and special language may be added to address specific concerns, permits, and mitigation needs.

FAI lease agreements contain language requiring tenants to comply with all federal, state, and local environmental regulations. Also, lease agreements specifically require that spill reporting, environmental assessments, and other environmental information be submitted promptly to the appropriate agencies and to FAI. Pollution prevention and spill response is also a part of the required training for the issuance of FAI badge privileges.

FAI tenants are also required to submit a deicing chemical usage report on a monthly basis. This reporting is included in Attachment L.

1.5 General Location Map

The General Location Map (Figure 1) for this facility is available in Attachment A.

1.6 Site Map(s)

Site Maps for this facility are available in Attachment B and include:

- Figure 2 (Appendix A) overall site map showing all drainage areas, outfall locations, snow storage areas and deicing pads.
- Figure 3 shows Drainage Area 1 including outfall locations, snow storage areas and deicing pads
- Figure 4 shows Drainage Area 2 including outfall locations, snow storage areas and deicing pads
- Figure 5 shows Drainage Area 3 including outfall locations, snow storage areas and deicing pads
- Figure 6 shows Drainage Area 4 including outfall locations, snow storage areas and deicing pads
- Figure 7 shows Drainage Area 5 including outfall locations, snow storage areas and deicing pads
- Figure 8 shows Drainage Area 6 including outfall locations, snow storage areas and deicing pads
- Figure 9 shows Drainage Area 7 including outfall locations, snow storage areas and deicing pads
- Figure 10 shows Drainage Area 8 including outfall locations, snow storage areas and deicing pads
- Figure 11 shows Drainage Area 9 including outfall locations, snow storage areas and deicing pads
- Figure 12 shows Drainage Area 10 including outfall locations, snow storage areas and deicing pads
- Figure 13 shows Drainage Area 11 including outfall locations, snow storage areas and deicing pads
- Figures 14a-d show details of facilities at FAI with potential pollutants

SECTION 2: POTENTIAL POLLUTANT SOURCES

2.1 *Industrial Activity and Associated Pollutants*

The table below provides a summary of industrial activities performed at FAI and associated pollutants. A full pollutant source inventory is included in Appendix K along with chemical data sheets for select pollutants.

Industrial Activity	Facility Location	Associated Pollutants
Deicing	Runways, taxiways, aprons	Sand, sediment, sodium formate, and potassium and sodium acetate
Equipment Fueling and Maintenance	Aprons	Diesel fuel, gasoline, hydraulic fluids, oils
Snow Removal and Storage	Runways, taxiways, aprons	Hydraulic fluid, diesel fuel, antifreeze, deicing chemicals
Airfield Maintenance	Runways, taxiways, aprons	Paint, paint thinners, concrete, crack sealant
Airfield Sanding/Sweeping	Runways, taxiways, aprons	Sand and sediment, hydraulic fluids, oils
Firefighting	Fire Training Facility	Purple K (potassium bicarbonate), Phos-Check
Chemical and Fuel Storage	Above ground storage tanks	Diesel fuel, gasoline, paint, heating oil, crack sealer, potassium acetate

2.2 *Spills and Leaks*

The table below lists facilities at FAI where industrial activity has been identified in which pollutants might mix with stormwater. Appendix K includes a full list of pollutants associated with industrial activities at FAI.

Areas of Site Where Potential Spills/Leaks Could Occur

Industrial Activity	Facility	Outfalls
Vehicle and equipment maintenance and storage; grounds maintenance support; covered bulk material storage, handling and loading; waste handling areas (dumpsters) as well as Biffy Dump and Incinerator Building	Field Maintenance Facility- Attached to ARC Building	3
Vehicle and equipment maintenance and storage; covered bulk material storage, runway painting prep; handling and loading; and garbage disposal.	Air Industrial Park- Includes Buildings 44-50, Maintenance Facility, Regulator Building and the	1

Industrial Activity	Facility	Outfalls
	Storage Yard (Bone Yard)	
Fire Fighter Training	Fire Training Facility (Fire Pit)	6
Vehicle parking and non-hazardous material storage	Fuel Hydrant Maintenance Building and Environmental Building	3
Snow removal, pavement deicing, paint striping, and maintenance.	Runway, Taxiways and Aprons	3, 4, 5, 6, 7
Snow collection areas and sweeper	Miscellaneous Buildings	All except 8
Landscape maintenance, walkway deicing and garbage disposal	Terminal Building	3
Regulator Building above ground storage	Regulator Building	1
Deicing chemicals and sand storage	Sand Storage Building	3
Airport Rescue and Fire Fighting (ARFF) equipment storage	Safety Facility (ARC Building) including Police Station	3
Material storage, light bulbs and heating oil	FAA Base Building	9

FAI tracks and reports on spills and leaks that have been generated by its own regulated facilities. A summary of past spills within the past 3 years is provided in the table below. A full spill log is maintained in Attachment D. Spills and leaks generated by tenants and users are reported separately under the tenant's own SWPPP. FAI may provide additional response assistance and oversight as necessary to ensure that proper actions have been taken.

Description of Past Spills/Leaks

Date	Description	Outfalls
2/14/2023	complete version to be included in final draft	
12/30/2024		
4/4/2025		
9/6/2025		
10/1/2025		
10/16/2025		
12/2/2025		
4/14/2026		

FAI is in charge of operating deicing basins that either drain to the local wastewater treatment plant or are directed to vegetated swales for infiltration. All deicing occurs in the north and south basins. The Heavy Aircraft Deicing Area south of the terminal is only used in case of emergency. FAI tenants who use deicing chemicals, not just glycols (e.g., potassium acetate), submit a monthly record of type and quantity of

deicing chemicals used at FAI. FAI compiles tenant information and maintains volume records for the airport.

Section 103(a) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and EPA's implementing regulations (40 CFR 302.8) require "that the person in charge of a vessel or facility immediately notify the National Response Center (NRC) whenever a reportable quantity or more of a CERCLA hazardous substance is released in any 24-hour period, unless the release is federally permitted." The reportable quantity in a 24-hour period for ethylene glycol is 5,000 pounds (approximately 540 gallons). Although DOT&PF does not use ethylene glycol in their operations, their tenants do and must comply with CERCLA reporting requirements. Tenants who obtain a federal permit for a continuous release exemption with EPA must provide DOT&PF with documentation.

2.3 Non-Storm Water Discharges Documentation

Non-stormwater discharges to waters of the U.S. that are not authorized by an APDES permit are unlawful, and must be terminated. Examples of non-stormwater discharges include any water used directly in the manufacturing process (process water), vehicle and ground support equipment wash water, dry weather deicing, or sanitary wastes. Connections of non-stormwater discharges to a stormwater collection system are common yet are often unidentified. These types of discharges are significant sources of water quality problems. If such connections are discovered, FAI will assess the potential for the discharge to enter stormwater and take steps to prevent any such discharge from occurring. This could include disconnecting the discharge or submitting an APDES permit application to ADEC.

The MSGP does authorize the following types of non-stormwater discharges:

- Discharges from fire-fighting activities
- Fire hydrant flushings
- Potable water sources including waterline flushings
- Irrigation drainage
- Lawn watering
- Uncontaminated ground water
- Foundation or footing drains where flows are not contaminated with process materials
- Discharges from springs
- Routine exterior building wash down which does not use detergents or other compounds
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred and where detergents are not used.

Evaluation for Presence of Non-Storm Water Discharge

- Date of evaluation: July 21, 2026
- Description of the evaluation criteria used: Field site visit conducted of airport facilities
- List or map of the outfalls or onsite drainage points that were directly observed during the evaluation: All outdoor drainage structures including outfalls were observed during the evaluation.
- Different types of non-storm water discharge(s) and source locations: No non-storm water discharges were observed during the site visit

- Action(s) taken, such as a list of control measures used to eliminate unauthorized discharge(s), if any were identified. For example, a floor drain was sealed, a sink drain was re-routed to sanitary, or an APDES permit application was submitted for an unauthorized cooling water discharge: None identified

2.4 Salt Storage

FAI does not use or store salts at the facility.

2.5 Sampling Data Summary

Benchmark monitoring of stormwater discharges at outfalls is not required for this facility unless more than 100,000 gallons of glycol-based deicing fluids and/or 100 tons or more of urea is used annually. FAI monitors deicing usage via a tracking form included in Attachment L. Annual glycol usage at FAI continues to remain below 100,000 gallons and FAI certifies annually that urea is not used as an airfield deicer (Annual Report, Attachment H).

SECTION 3: STORM WATER CONTROL MEASURES

3.1 *Minimize Exposure*

Equipment is stored indoors most of the year, and only occasionally parked outside on pad during the summer. All equipment maintenance is performed indoors. Equipment is kept in good working condition (minimizes leaks) and older equipment is replaced. When maintenance cannot be performed indoors, appropriate secondary containment which prevents runoff, run-on, and captures any overspray MUST be set up for duration of work.

Spill kits are available on site to minimize potential for contamination from fuel spills.

3.2 *Good Housekeeping*

The essence of good housekeeping is keeping the facility clean and orderly. The implementation of good housekeeping practices eliminates or reduces the potential for pollutants to enter stormwater. Good housekeeping practices at FAI include:

- Paved areas are swept regularly each spring.
- Shop floors are cleaned regularly and kept free of debris.
- A spill response unit, equipped with absorbent materials and cleanup equipment, is stored next to the fuel island for rapid response in the event of spills or leaks.
- Oils and fuels are stored in proper storage tanks, cabinets or vessels. Solvents are particularly mobile in stormwater runoff and are carefully managed in separate closed containers. These activities are generally confined to the Field and Equipment Maintenance Shop.
- Immediate response is made to all spills and leaks. Ongoing field training is provided to teach spill prevention practices and to ensure efficient response to spills. Preventive maintenance is scheduled and performed regularly for all spill response equipment.
- Similar activities and maintenance procedures are centralized as much as possible.
- All vehicle and aircraft maintenance activities such as oil changes, antifreeze replacement, battery replacement, and vehicle washing must be performed indoors when feasible; otherwise, appropriate secondary containment which prevents runoff, run-on, and captures any overspray MUST be set up for duration of work.
- All hazardous materials are properly labeled, closed, and covered in storage containers in controlled areas with limited access for safety and security.
- Proper application of asphaltic materials including emulsions is employed and manufacturers' instructions are followed. Precautions are taken to prevent mobilization of freshly applied asphalt mixtures in the event of unexpected storm runoff.
- Only enough product to do the job is processed, and the entire product is completely used before disposing of product containers.
- Products are stored in their original containers with the original manufacturer's label attached or labeled consistently.
- Source reduction is accomplished in the planning stages at FAI in order to reduce volumes of stockpiled materials and the potential for releases of waste.
- Open swales are mowed and cropped for flow capacity, filtration, and to reduce bird habitat.

- Drainage swales, culverts, and pipes are maintained, cleaned out, excavated, and re-contoured in each drainage sub-basin as needed.
- Building permits are required for any construction activities at the FAI. Numerous FAI sections (Leasing, Engineering, Environmental, etc.) review the proposed work. Standard environmental requirements are included in the permits, as well as specific requirements, including mitigation measures, as applicable, for the particular projects.
- Stormwater outfalls are regularly inspected.
- Potassium acetate used for deicing purposes is stored in ASTs located under the pole barn, adjacent to and inside the Sand Storage Building. Sand for deicing and road traction is stored inside at the Sand Storage Building.
- Visual observations are made of FAI equipment and areas involved in snow removal and pavement deicing operations during periods when such operations are being conducted. FAI Maintenance personnel check snow removal and pavement deicing equipment at the start of each shift. Areas where snow removal and pavement deicing operations occur are also checked by FAI Maintenance personnel while these activities are being performed.
- FAI has three regional deicing pads – one is located at the end of each runway and the third, is the Heavy Aircraft Deicing Area, which is only used during emergencies. Airline and ground support tenants use these facilities for conducting deicing prior to takeoff. All aircraft deicing is conducted on engineered collection basins. Snow from deicing pads is stockpiled in adjacent drainage basins which allow storage for snowmelt and runoff from the deicing pads. After break up in the spring, the water is sampled prior to discharge to the Golden Heart Utilities Regional Wastewater Treatment Plant. Once the snowmelt discharge is complete, a series of valves can be opened to discharge stormwater to the environment at outfalls 3a and 4b. Snow storage areas and deicing areas are shown on Figures 2, 5, 7 and 13 (Attachment B). An oil water separator is located at each deicing snowmelt basin to treat discharge before it enters the sanitary sewer system.
- Snow is stored depending upon operational constraints and snow type. Snow containing deicing chemicals is segregated from "clean" snow and retained within the designated airfield operating areas.
- Clean snow which is free of deicing chemicals and has limited sand from taxiways and ramp areas is located far from waterbodies. Snow disposal areas are shown on the Site Map Figures in Attachment B.

3.3 Maintenance

The primary objective of preventive maintenance as part of a SWPPP is to minimize or eliminate pollution from improperly functioning vehicles and equipment. Equipment that is maintained in good working order is less likely to drip or spill fluids, such as lubricants or oil, onto areas where these pollutants could be mobilized in stormwater runoff and transported off-site. Preventive maintenance activities at FAI include:

- Regular maintenance of oil water separators and annual cleaning (or more frequently if indicated by inspection)
- Facility inspections monthly
- Regular vehicle and equipment maintenance as per manufacturer's recommendation

Vehicle and equipment maintenance is performed at the Maintenance Facility and at the Field Maintenance Facility. These facilities are shown on Figures 14a and 14b in Appendix B. Control measures and BMP maintenance needs are noted during routine facility inspections (monthly), and annual comprehensive site inspections.

3.4 Spill Prevention and Response

Spills and leaks together can be one of the largest sources of stormwater pollutants, and in most cases are avoidable. Established standard operating procedures such as safety and spill prevention procedures along with proper employee training can reduce these accidental releases and are discussed further in the FAI SPCC Plan. Spills are logged on the Tracking Form in Appendix D.

Avoiding spills and leaks is preferable to cleaning them up after they occur, not only from an environmental standpoint, but also because spills cause increased operating costs and lower productivity. Activities and areas where spills are likely to occur include:

- Fuel loading and unloading areas
- Storage areas for deicing materials
- Equipment maintenance activities
- Dust or particulate generating processes
- Waste disposal activities

Loading and unloading areas, particularly fueling areas, have a high spill potential because the nature of the activity involves transfer of materials from one container to another. The spill potential is affected by the integrity of the container, the form of the chemical being transferred, the design of the transfer area (bermed vs. direct connection to the stormwater collection system), the proximity of the transfer area to the storage area, and procedures for loading and unloading.

Storage areas, both indoor and outdoor, are potential spill areas. Outdoor storage areas are exposed to stormwater runoff and may provide direct contact between potential pollutants and stormwater. Indoor storage areas may contaminate stormwater if the drains in the storage area are connected to the storm sewer or if improper clean up procedures are used in case of a spill.

Procedures that reduce the potential for spills are as follows:

- Maximize recycling, reclamation, and/or reuse of process materials to reduce the volume brought into the facility
- Install leak detection devices, overflow controls, and diversion berms
- Adopt and enforce effective housekeeping practices
- Do not store containers that are easily punctured near high-traffic areas where they may be hit by moving equipment or personnel
- Perform regular visual inspections to identify signs of wear on tanks, drums, containers, storage shelves, and berms and to identify sloppy housekeeping or other clues that could lead to potential spills
- Perform preventive maintenance on storage tanks, valves, pumps, pipes, and other equipment
- Use filling procedures for tanks and other equipment that minimize the risk of spills
- Use material transfer procedures that reduce the chance of leaks or spills

- Substitute less or non-toxic materials for toxic materials
- Ensure appropriate security

Spill kits and clean-up equipment are maintained in the areas of the facility where spill potential exists. In the event of a spill, the following procedures will be followed to minimize the impact:

- Immediately eliminate the source of the spill, if it is safe to do so, and contain the spill to the extent possible.
- Report the spill to FAI's Communications Center (474-2530) and Environmental Office (474-2598).
- Any size of spill requires notification to ADEC including unintentional releases of deicing fluids and lavatory wastes from aircraft.
- Maintain a log of spills and corrective measures.
- The responsible party is required to clean up after the spill and make all required regulatory notifications.

3.5 *Erosion and Sediment Controls*

The terrain at FAI is flat, with little elevation change over long distances. The climate is semi-arid and according to the xmACIS2 website, the mean annual precipitation is 11.67 inches at the airport. Stormwater drainage at FAI is subdivided into 11 areas with different discharge points. Stormwater from FAI either sheet flows or is conveyed through ditches and pipes to surrounding ponds and wetlands. Storm sewer drains and conveyance systems are located in the paved areas throughout the facility to capture and control stormwater at FAI. Figure 6 shows the stormwater conveyance system and general surface water flow direction at FAI.

Areas most susceptible to erosion and sediment are the actively disturbed sites due to construction activities. Appropriate BMPs during maintenance work that includes ground disturbance or potential discharges, followed by re-seeding will be implemented as additional erosion and sediment controls.

3.6 *Management of Runoff*

Conditions are frozen approximately half the year, so management of snowmelt runoff is a primary stormwater consideration. Snow from the runways and taxiways is plowed off the paved surfaces and moved to snow storage areas. FAI snow dumps do not drain to any waterbodies; runoff is mainly routed to a low spot or gravel areas where it infiltrates into the soil. Stormwater discharge from FAI primarily flows to ponds and remnant stream channels within the airport. Flow is primarily sheet flow across paved surfaces where flow is intercepted at manholes and catchbasins throughout the airfield. Flow across the remainder of the airport flows across vegetated infield areas before reaching drainage ponds or sloughs.

3.7 Salt Storage Piles or Piles Containing Salt

FAI does not use salt at the facility.

3.8 MSGP Sector-Specific Non-Numeric Effluent Limits

- 11.S.4.1.1 - Aircraft, Ground Vehicle and Equipment Maintenance Areas. All DOT&PF equipment maintenance takes place indoors or requires secondary containment.
- 11.S.4.1.2 - Aircraft, Ground Vehicle and Equipment Cleaning Areas. FAI has oil-water separators located at the Maintenance Facility, Field Maintenance Facility and Airport Response Center, and Sand Storage Building. All vehicle washing is to be performed indoors at FAI. Wash water is captured by floor drains and is discharged to an onsite oil-water separator, where any oil is separated from the water. Oil is manually removed from the oil-water separator and properly disposed at an approved facility. Oil water separators are inspected on a regular basis. Annual cleanouts are conducted each spring after breakup
- 11.S.4.1.3 - Aircraft, Ground Vehicle and Equipment Storage Areas. Equipment is stored indoors the vast majority of the time. Exceptions would be occasionally parking equipment outside during the summer. Equipment utilized is kept in proper working order.
- 11.S.4.1.4 - Material Storage Areas. Material is stored indoors and/or in enclosed containers when possible.
- 11.S.4.1.5 - Airport Fuel System and Fueling Areas. The equipment fuel tanks are properly maintained in good working order, with an automatic shut-off device. Fueling operations are attended at all times regardless of the amount of automation in the system. A spill kit is available onsite.
- 11.S.4.1.6 - Source Reduction. Source reduction is accomplished in the planning stages at FAI in order to reduce volumes of stockpiled materials and the potential for releases of waste. Mechanical means are used to keep the runway clear of snow and ice, when possible. Sand is also utilized when possible.
- 11.S.4.1.7 - Management of Runoff. Due to the flat topography and semi-arid climatic conditions, runoff is typically minimal at this location. The runway is cleared with a broom when possible, larger snowfalls are plowed to the edge and blown off the runway pad. Snow from the apron area is blown into the infield basins where it can infiltrate. Stormwater runoff systems include all items intentionally set in place to control the flow of stormwater runoff. This includes such things as slope grading, drainage swales, berms, culverts, drains, and storm sewers.
- 11.S.4.2 – Deicing Season. The deicing season typically runs from September through May. Deicing chemical usage falls below the usage threshold required for benchmark monitoring.

3.9 Employee Training

Stormwater training is conducted annually for appropriate airport personnel, specifically airfield maintenance staff, because work occurs in areas where industrial materials or activities are exposed to stormwater. Training records can be found in Appendix J.

Annual employee training should be designed to:

- Familiarize new employees with applicable BMPs and other SWPPP requirements

DEC Industrial SWPPP Template

June 1, 2026

- Remind existing employees of applicable BMPs and other SWPPP requirements
- Introduce new stormwater pollution prevention techniques recently incorporated into the plan, as appropriate
- Provide a forum where new ideas for improving stormwater management can be shared

Training will cover applicable BMPs, routine facility inspections, quarterly visual assessments, monitoring, reporting, and recordkeeping, as appropriate. The following areas will be addressed:

- Contents of SWPPP
- Control measures used at FAI (oil water separators, grassy swales)
- Good housekeeping
- Locations and use of spill response kits
- Routine and Annual facility inspections
- Quarterly Visual Assessments
- Reporting and Recordkeeping

3.10 Non-Storm Water Discharges

See Section 2.3 for discussion.

3.11 Waste, Garbage and Floatable Debris

Wastes and debris susceptible to stormwater discharge are covered, stored in sealed containers, or stored indoors prior to proper landfill disposal. Garbage is stored in covered dumpsters. Outside areas around the airport and maintenance station are kept clear of debris and clutter.

3.12 Dust Generation and Vehicle Tracking of Industrial Materials

Airport runway, taxiways, and apron areas are paved. Dust is minimal on the gravel roads around the airport property due to low traffic volume, moderate speeds, and with occasional application of water from tanker trucks as needed. Potential for tracking industrial materials is low because airport snow removal equipment stays onsite and apron areas separate access control points from aircraft deicing areas.

SECTION 4: SCHEDULES AND PROCEDURES FOR MONITORING

No analytical monitoring (MSGP, Part 7) is required for this facility.

SECTION 5: INSPECTIONS

For the routine facility inspections and the comprehensive site inspections to be performed at your site, include a description of the following:

- The names of the person(s), or the positions of the person(s), responsible for inspection: Environmental Manager or Engineering group backup. Facility inspections must be performed by qualified personnel with at least one member of the stormwater pollution prevention team participating. Qualified personnel is defined in Appendix C of the 2026 MSGP and Alaska DOT&PF requires that department employees conducting airport MSGP SWPPP inspections have completed the following:
 - AK-CESCL Training
 - EPA MSGP online training, or DOT&PF MSGP training
 - The schedules to be used for conducting inspections. Include here any tentative schedule that will be used for facilities in climates with irregular storm water runoff discharges (2026 MSGP, Part 6.2.3): Routine inspections will take place monthly during the deicing season (typically September through May). If there is a need to deice before or after this period, the monthly inspections will be expanded to include all months during which deicing chemicals are used
- and
- Specific areas of the facility to be inspected, including schedules for specific outfalls: Areas that are subject to deicing due to aircraft operations will be inspected during each inspection, as will equipment fueling, deicing material storage areas, and snow storage areas. Additionally, during the summer routine inspection, any potential discharges and drainages will also be inspected.

For the quarterly visual assessments to be performed at your site, include a description of the following:

- The names of the person(s), or the positions of the person(s), responsible for inspection: Environmental Manager or Engineering group backup. Facility inspections must be performed by qualified personnel with at least one member of the stormwater pollution prevention team participating. Qualified personnel is defined in Appendix C of the 2026 MSGP and Alaska DOT&PF requires that department employees conducting airport MSGP SWPPP inspections have completed the following:
 - AK-CESCL Training
 - EPA MSGP online training, or DOT&PF MSGP training
- The schedules to be used for conducting inspections. Include here any tentative schedule that will be used for facilities in climates with irregular storm water runoff discharges (2026 MSGP, Part 6.2.3): Due to irregular storm water runoff and the long winter season, the four, quarterly visual assessments will all take place during May – September, with one quarterly assessment occurring at spring breakup.

and

- Specific areas of the facility to be inspected, including schedules for specific outfalls: Visual assessment samples will be collected at airport outfalls at 11 locations.
- Drainage area boundaries were redrawn in 2026 to better show drainage to each outfall. FAI 2026 CAD files, 2017 imagery, and 2017 contours were used to facilitate basin boundaries.
 - Outfalls 2, 3b through 3f, 6a, 7b-g, 8a-b, 9a-c, and 11a do not have discharges exposed to industrial activities or materials and thus are not considered industrial outfalls for visual assessment.
- Under the MGSP there is another exception to quarterly visual assessment for outfalls that are determined to be substantially identical. Substantially identical outfalls within each drainage area may be performed at one of a substantially identical outfall provided that the assessments are made on a rotating basis between outfalls and a demonstration is made to substantiate the claim that these outfalls are substantially identical. The following substantially identical outfalls at FAI have been previously identified:
 - 1a and 1b
 - 6b and 6c
 - 9d, 9e, 9f

Substantially Identical Outfalls (SIO)

Outfall	Industrial Activities	Control Measures Implemented	Estimated Runoff Coefficient
1a 1b	Vehicle and equipment maintenance. Material Storage.	Covered dumpsters, ground maintenance	40-60%
6b 6c	Runway and taxiway deicing and snow removal. Paint striping.	Ground maintenance, vegetation buffers	40-60%
9d 9e 9f	Vehicle parking, aircraft maintenance and storage, snow removal, fuel storage	Covered bulk materials and fuel storage. Vegetation buffers and ground maintenance	40-60%

- Quarterly visual assessments of stormwater quality must be conducted for the following outfalls:
 - SIO Outfall 1a and 1b (Airport Industrial Road)
 - Outfall 3a (South Terminal Pond)
 - Outfall 4a (North Terminal Pond)
 - Outfall 4b (North Terminal Pond)
 - Outfall 5a (West Ramp)
 - Outfall 5b (Heavy Cargo Apron)
 - SIO 6b and 6c (South Pond)
 - Outfall 7a (Float Pond)
 - SIO 9d, 9e and 9f (University Avenue South)

- Outfall 10 (University Avenue South)
- Outfall 11b (Old Airport Road)

Inactive and Unstaffed sites exception (if applicable)

If you are invoking the exception for inactive and unstaffed sites for your routine facility inspections and quarterly visual assessments, include information to support this claim.

N/A

SECTION 6: SWPPP CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____ Title: _____

Signature: _____ Date: _____

SECTION 7: SWPPP MODIFICATIONS

The SWPPP Amendment Log on the following page(s) is used to document modifications to the SWPPP.



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MSGP SWPPP Amendment Log
(MSGP Section 5.6 Maintaining and Updated SWPPP)

Page ____

Facility Name:

Amendment Number	Description of Amendment	SWPPP Page or Sheet Number	Date of Amendment	Amendment Prepared By: (Signature)

SWPPP ATTACHMENTS

Attachment A – General Location Map

Attachment B – Site Map(s)

Attachment C – NOI and Authorization Letter

Attachment D – Spill Log

Attachment E – 2026 MSGP

Attachment F – Routine Inspections

Attachment G – Quarterly Visual Assessments

Attachment H – Annual Reports

Attachment I – Corrective Action Log

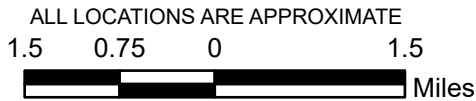
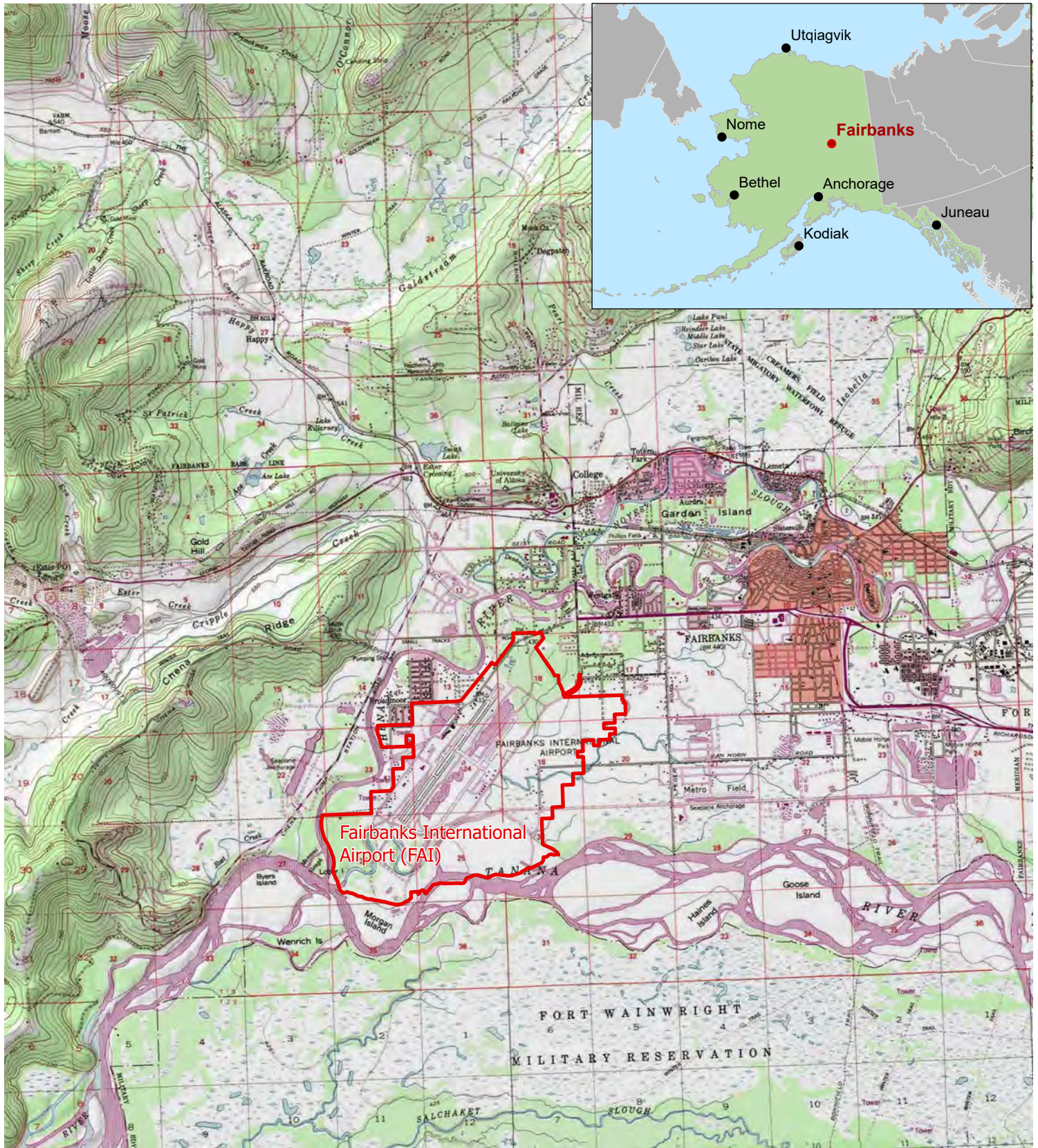
Attachment J – Training Log

Attachment K – Pollutant Source Inventory and Chemical Data Sheets

Attachment L – Deicing Tracking

Attachment A – General Location Map

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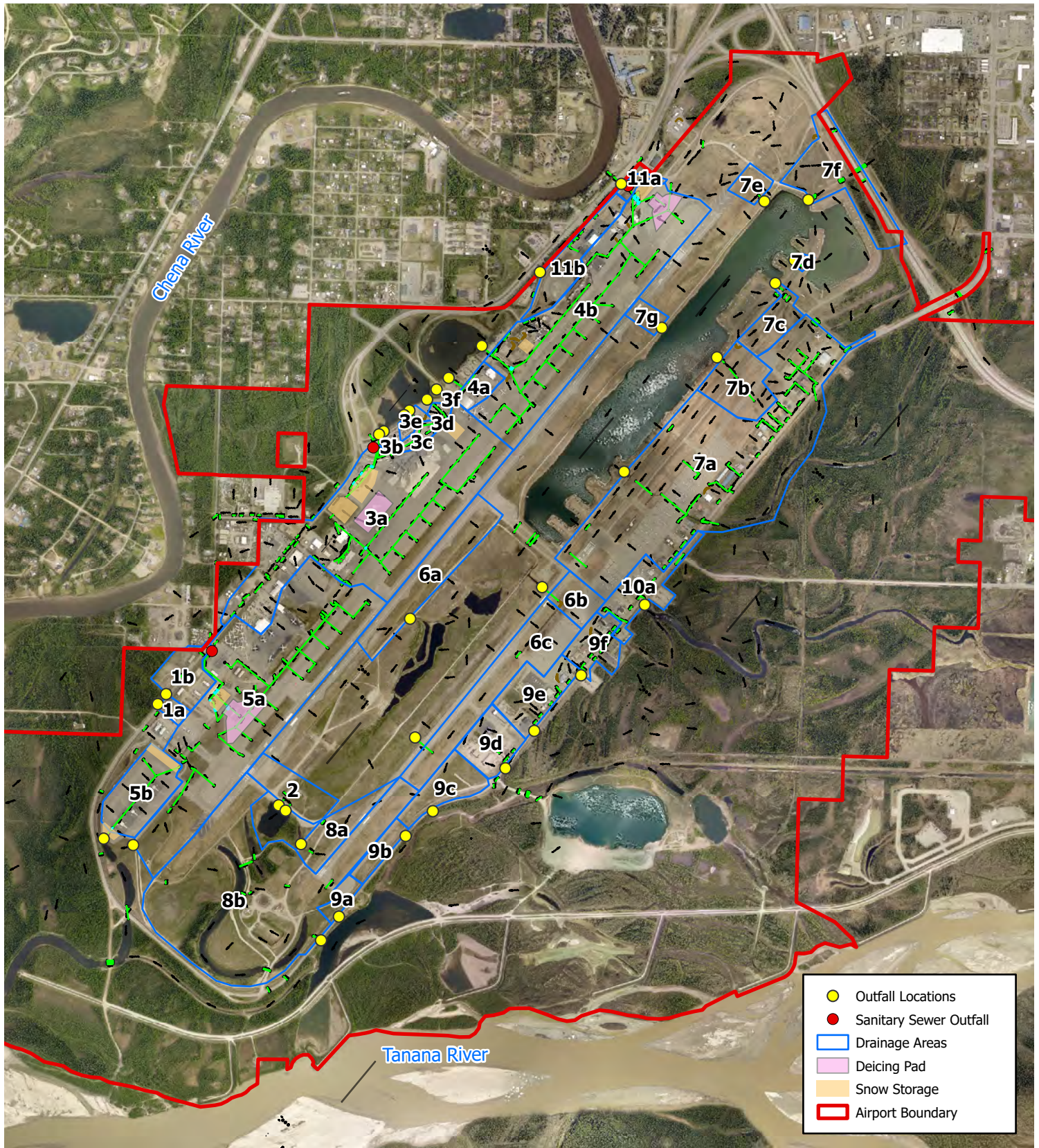
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Base map from ESRI USA Topo Maps



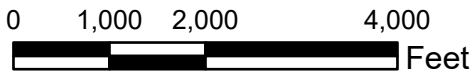
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES NORTHERN REGION PREPARED BY: R&M CONSULTANTS, INC.	FAIRBANKS INTERNATIONAL AIRPORT STORMWATER POLLUTION PREVENTION PLAN	PROJ.NO: 3097.09
		DATE: AUG 2026
	GENERAL LOCATION MAP	REF: SWPPP
		FIGURE NO: 01

Attachment B – Site Map(s)

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ALL LOCATIONS ARE APPROXIMATE



Notes:

Coordinate System: NAD 1983 2011 StatePlane Alaska 3 FIPS 5003 Feet
Fairbanks 2017 4-inch SID Imagery



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R&M CONSULTANTS, INC.

FAIRBANKS INTERNATIONAL AIRPORT
STORMWATER POLLUTION PREVENTION PLAN

OVERALL SITE MAP

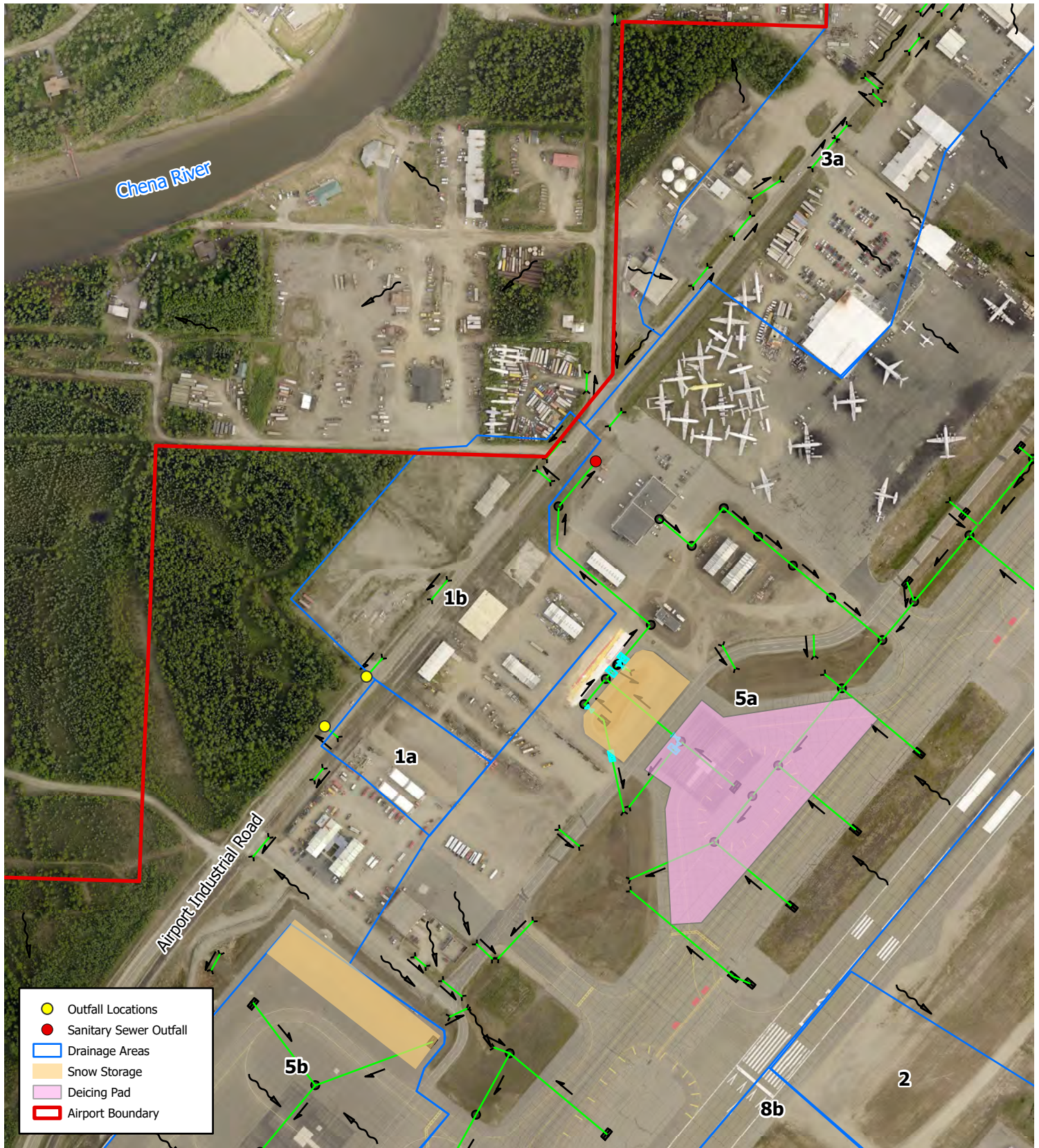
PROJ.NO: 3097.09

DATE: AUG 2026

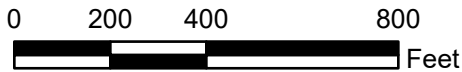
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FIGURE NO: 02

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Notes:

Coordinate System: NAD 1983 2011 StatePlane Alaska 3 FIPS 5003 Feet
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FAIRBANKS INTERNATIONAL AIRPORT
STORMWATER POLLUTION PREVENTION PLAN

DRAINAGE AREA 1

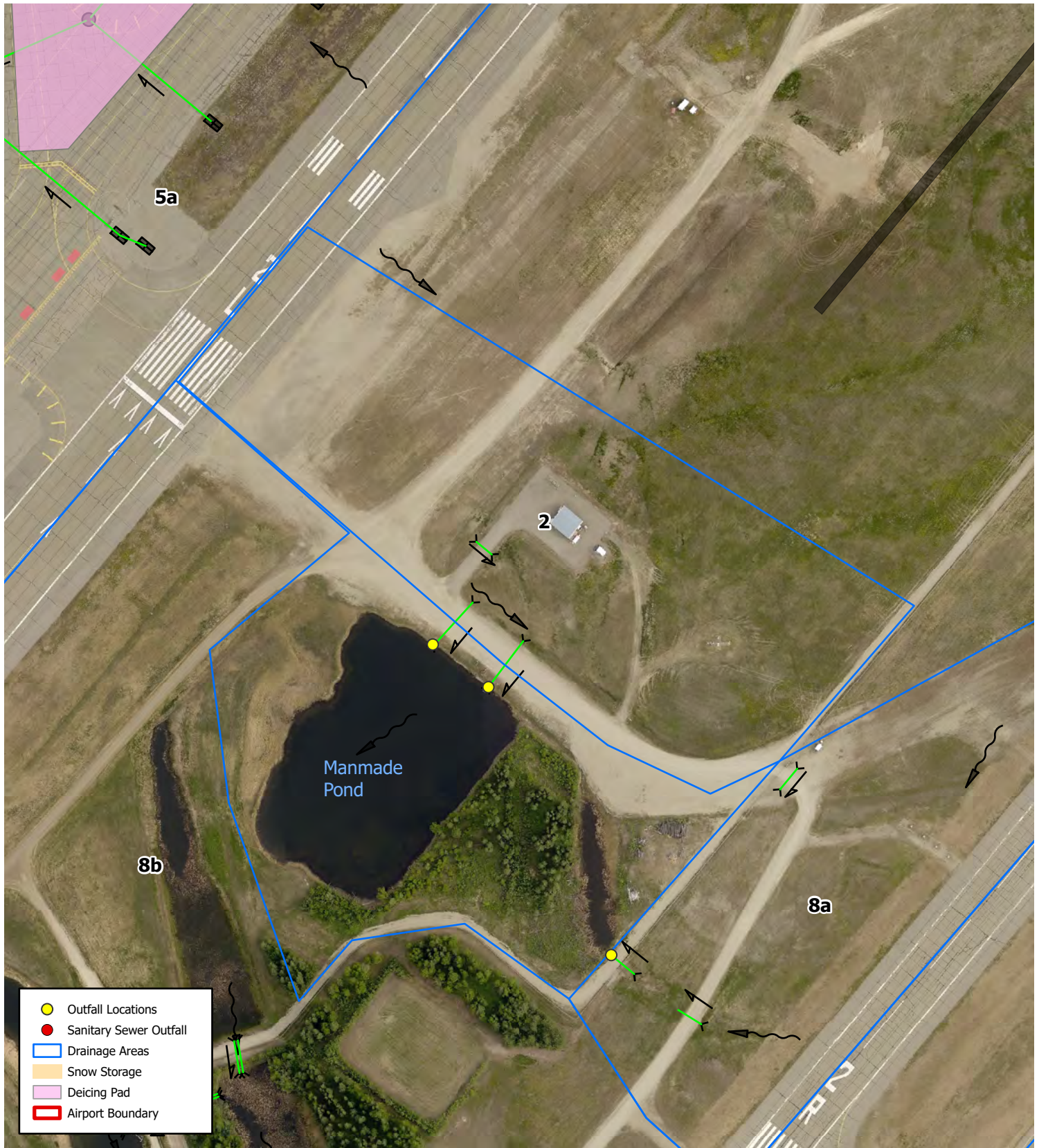
PROJ.NO: 3097.09

DATE: AUG 2026

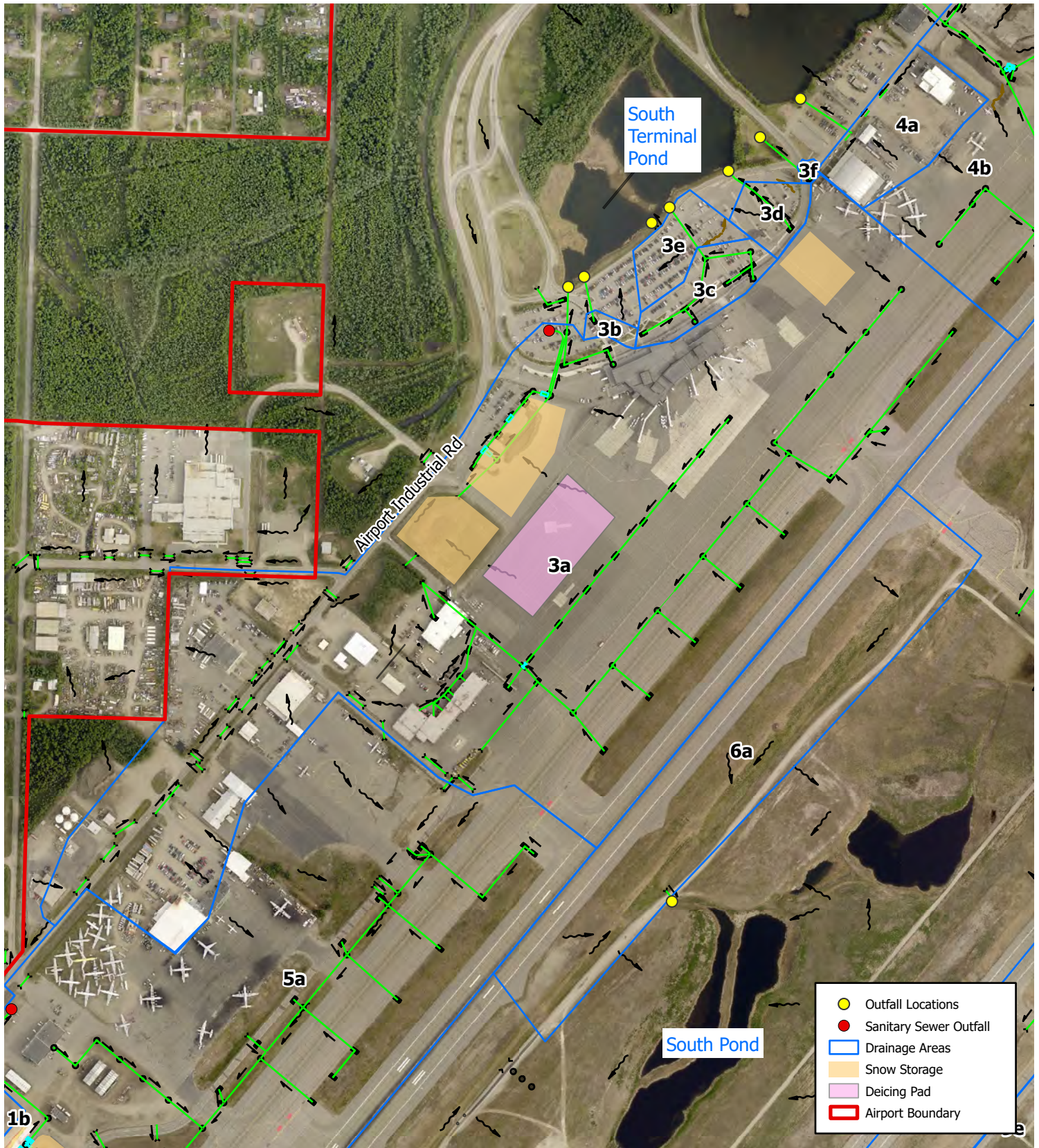
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0 300 600 1,200
Feet

Notes:

Coordinate System: NAD 1983 2011 StatePlane Alaska 3 FIPS 5003 Feet
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FAIRBANKS INTERNATIONAL AIRPORT
STORMWATER POLLUTION PREVENTION PLAN

DRAINAGE AREA 3

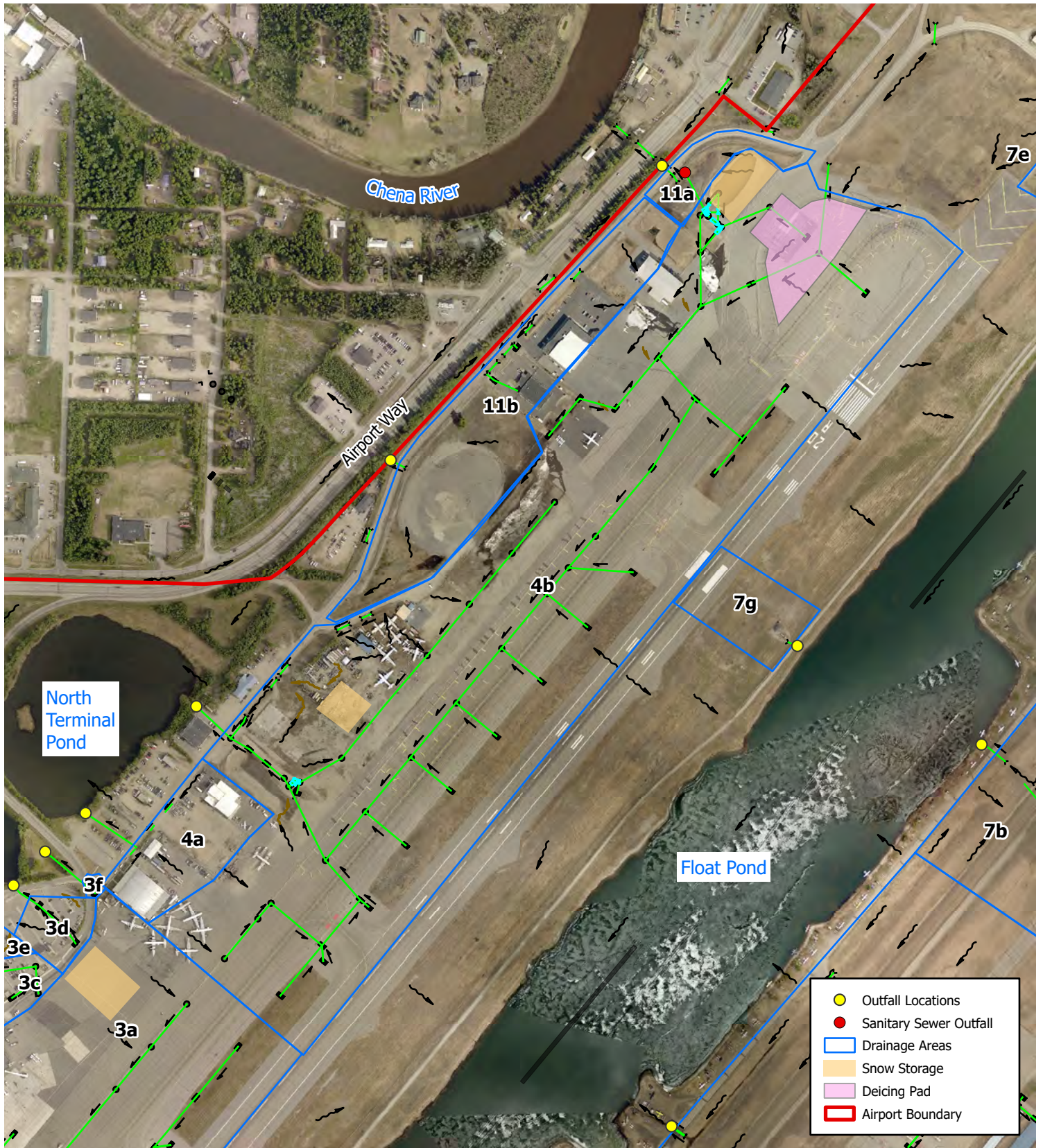
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DATE: AUG 2026

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Notes:

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STORMWATER POLLUTION PREVENTION PLAN

DRAINAGE AREA 4

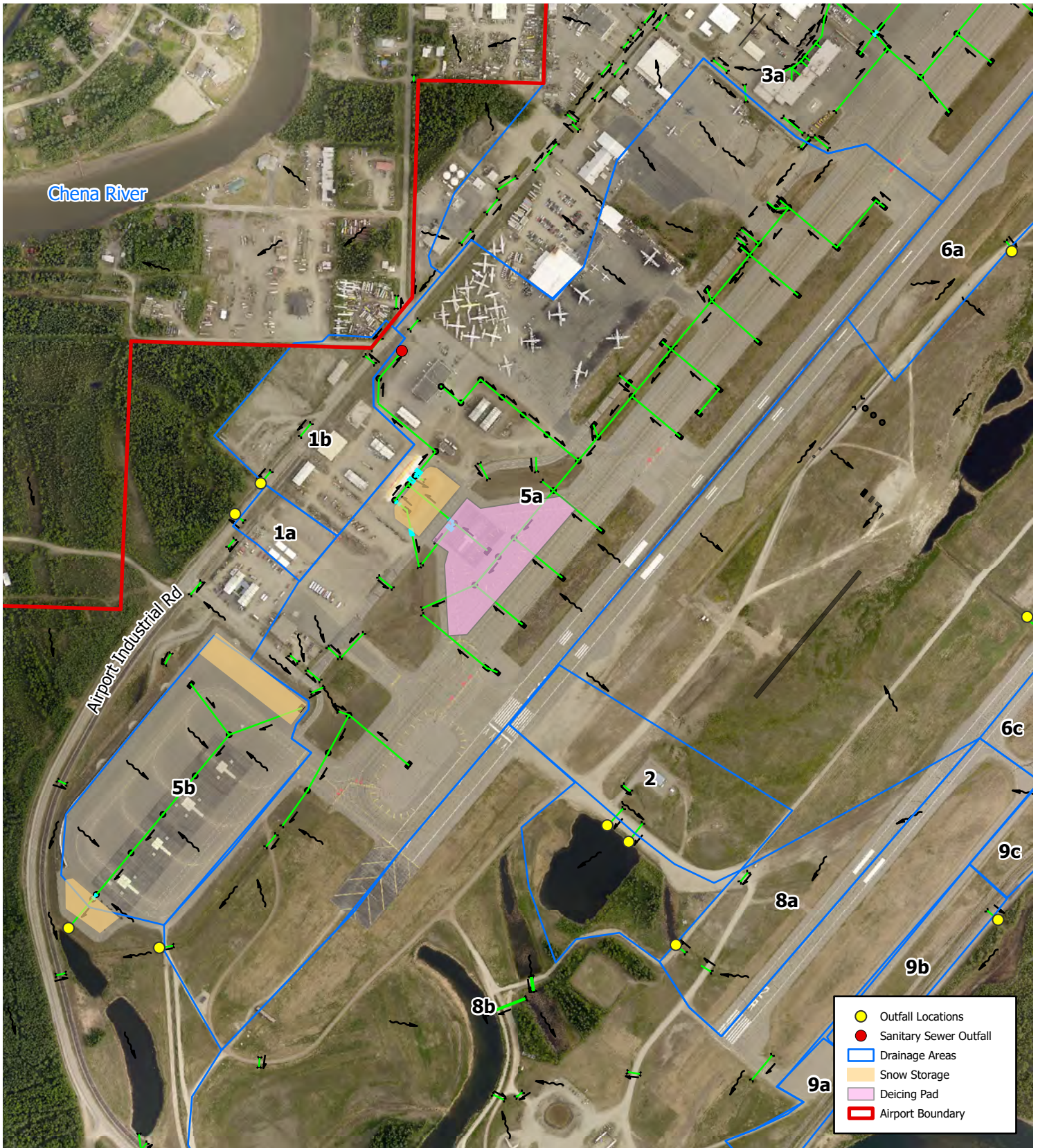
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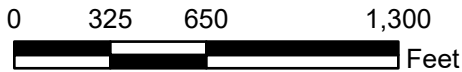
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Notes:

Coordinate System: NAD 1983 2011 StatePlane Alaska 3 FIPS 5003 Feet
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STORMWATER POLLUTION PREVENTION PLAN

DRAINAGE AREA 5

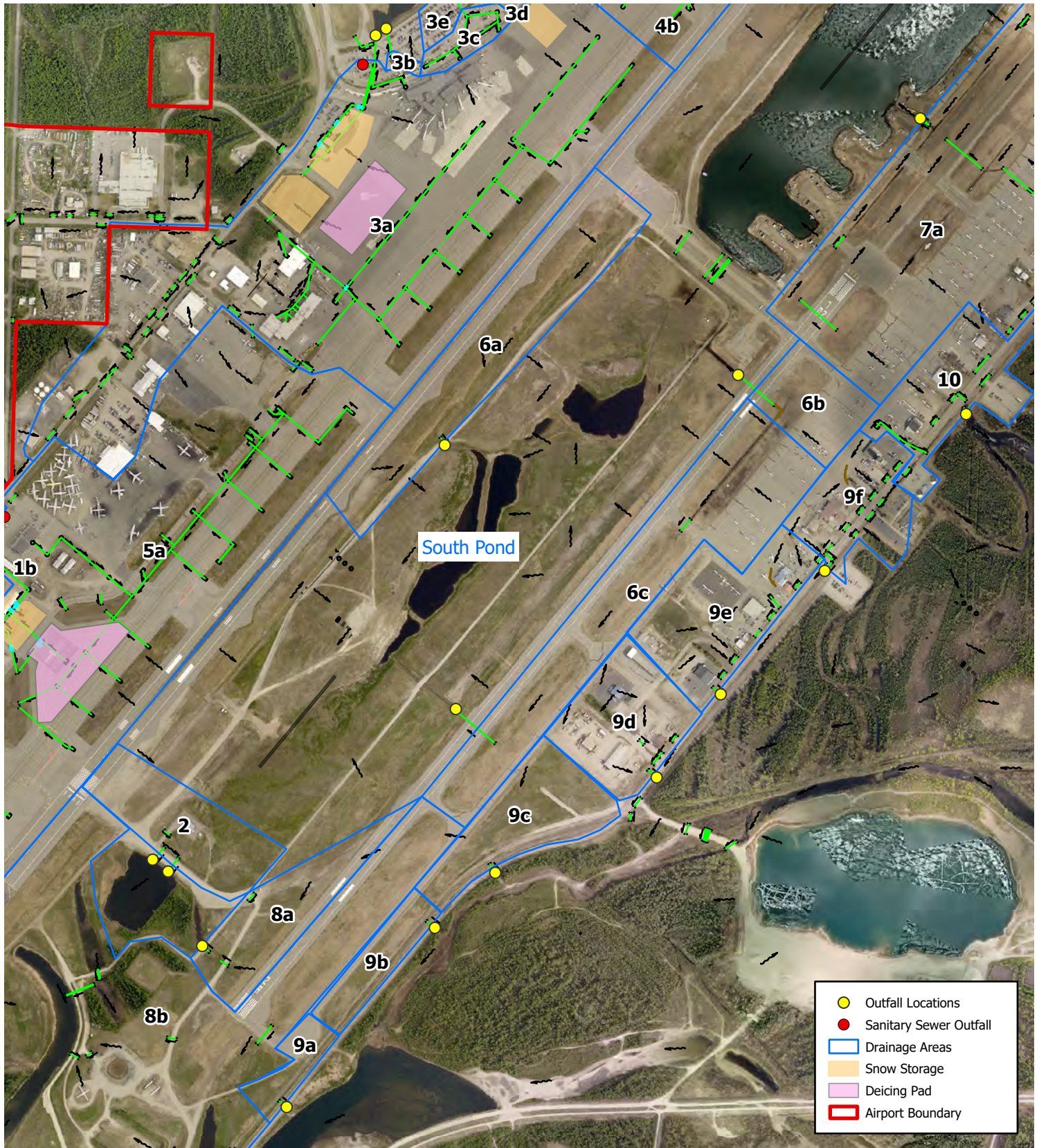
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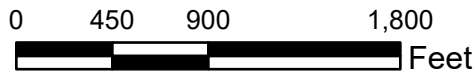
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Notes:

Coordinate System: NAD 1983 2011 StatePlane Alaska 3 FIPS 5003 Feet
Fairbanks 2017 4-inch SID Imagery



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STORMWATER POLLUTION PREVENTION PLAN

DRAINAGE AREA 6

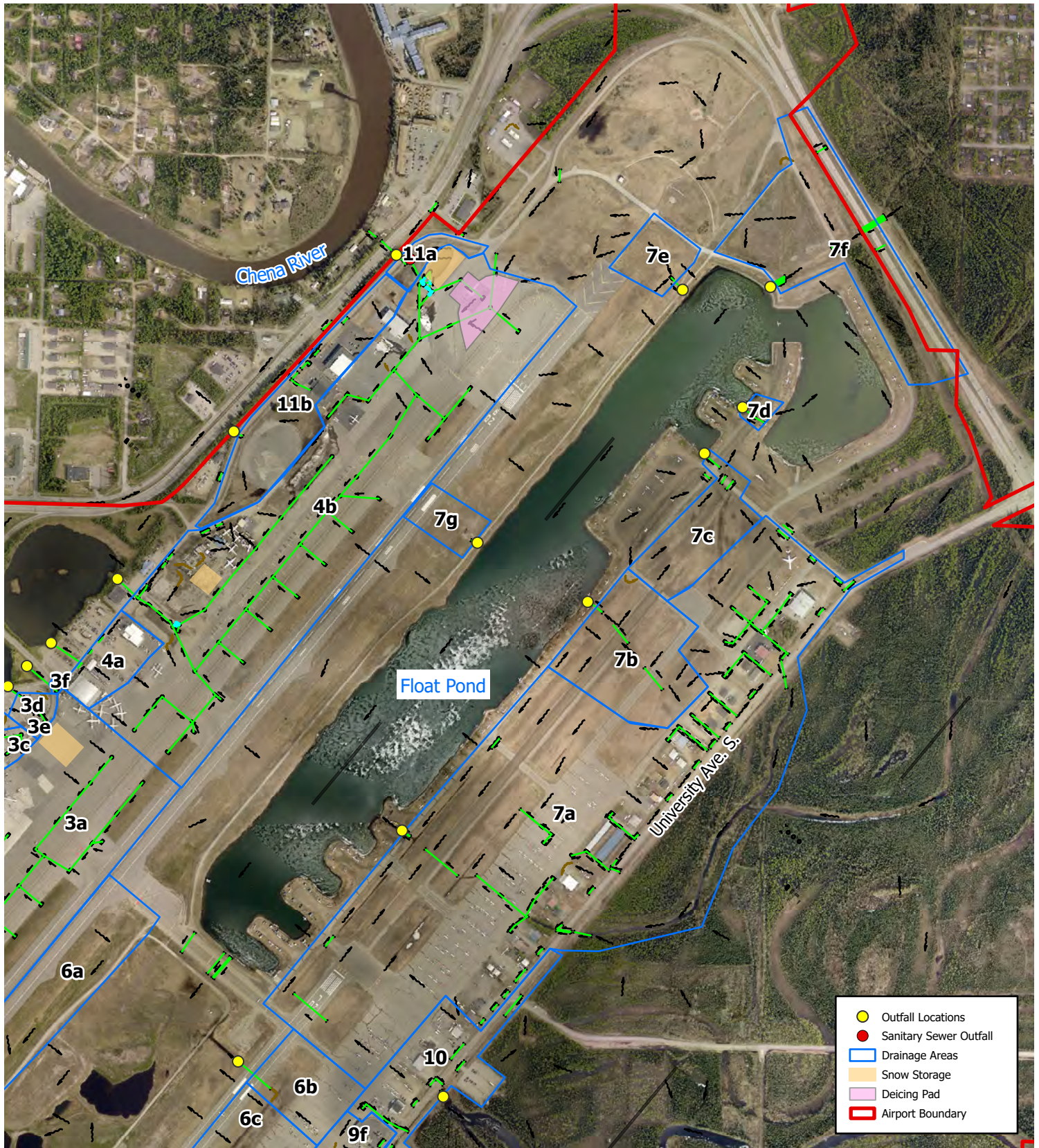
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ALL LOCATIONS ARE APPROXIMATE

0 500 1,000 2,000
Feet

Notes:

Coordinate System: NAD 1983 2011 StatePlane Alaska 3 FIPS 5003 Feet
Fairbanks 2017 4-inch SID Imagery



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STORMWATER POLLUTION PREVENTION PLAN

DRAINAGE AREA 7

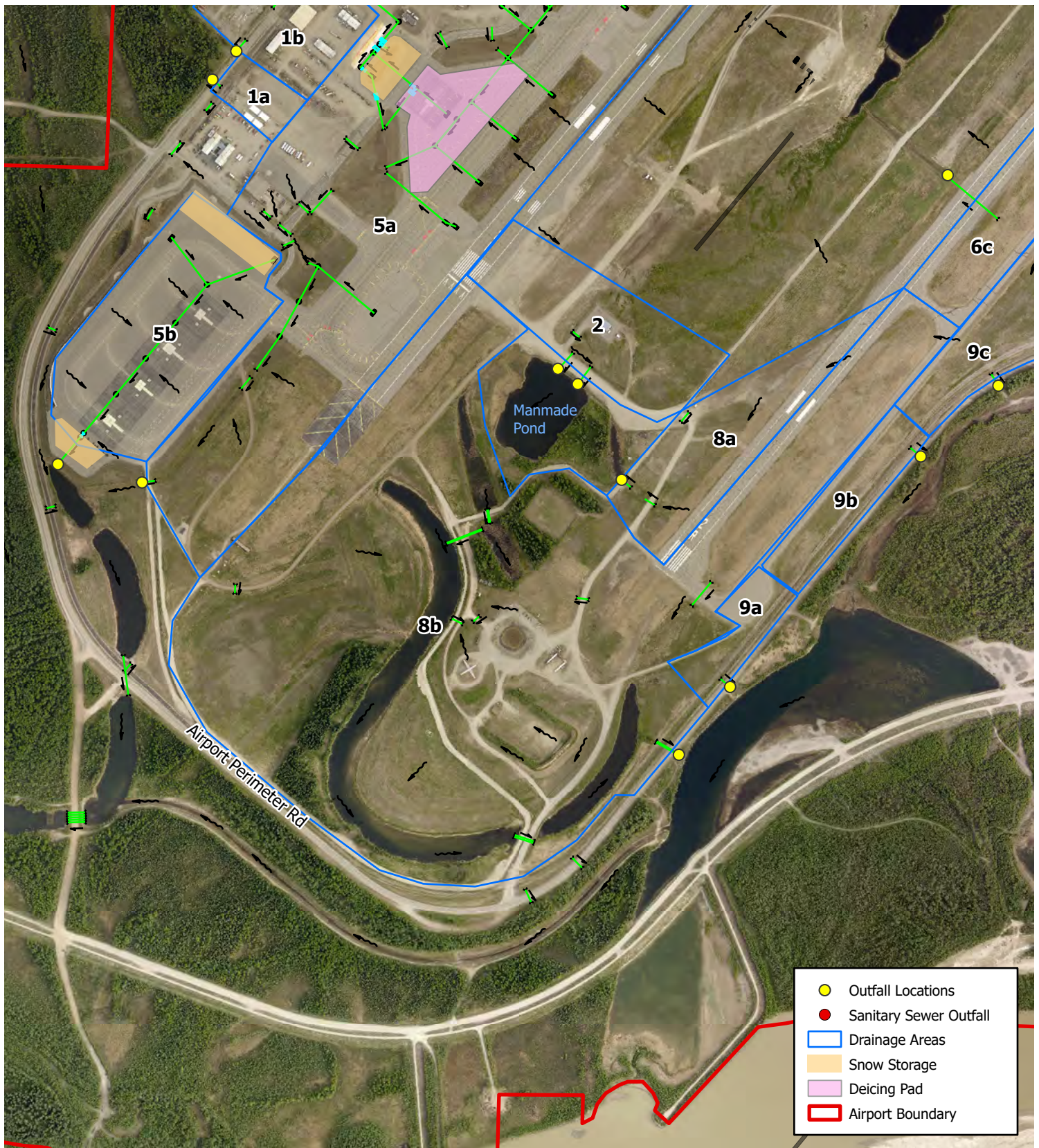
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0 350 700 1,400
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Notes:

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STORMWATER POLLUTION PREVENTION PLAN

DRAINAGE AREA 8

PROJ.NO: 3097.09

DATE: AUG 2026

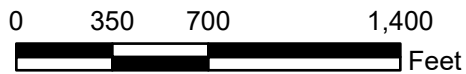
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Notes:

Coordinate System: NAD 1983 2011 StatePlane Alaska 3 FIPS 5003 Feet
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FAIRBANKS INTERNATIONAL AIRPORT
STORMWATER POLLUTION PREVENTION PLAN

DRAINAGE AREA 9

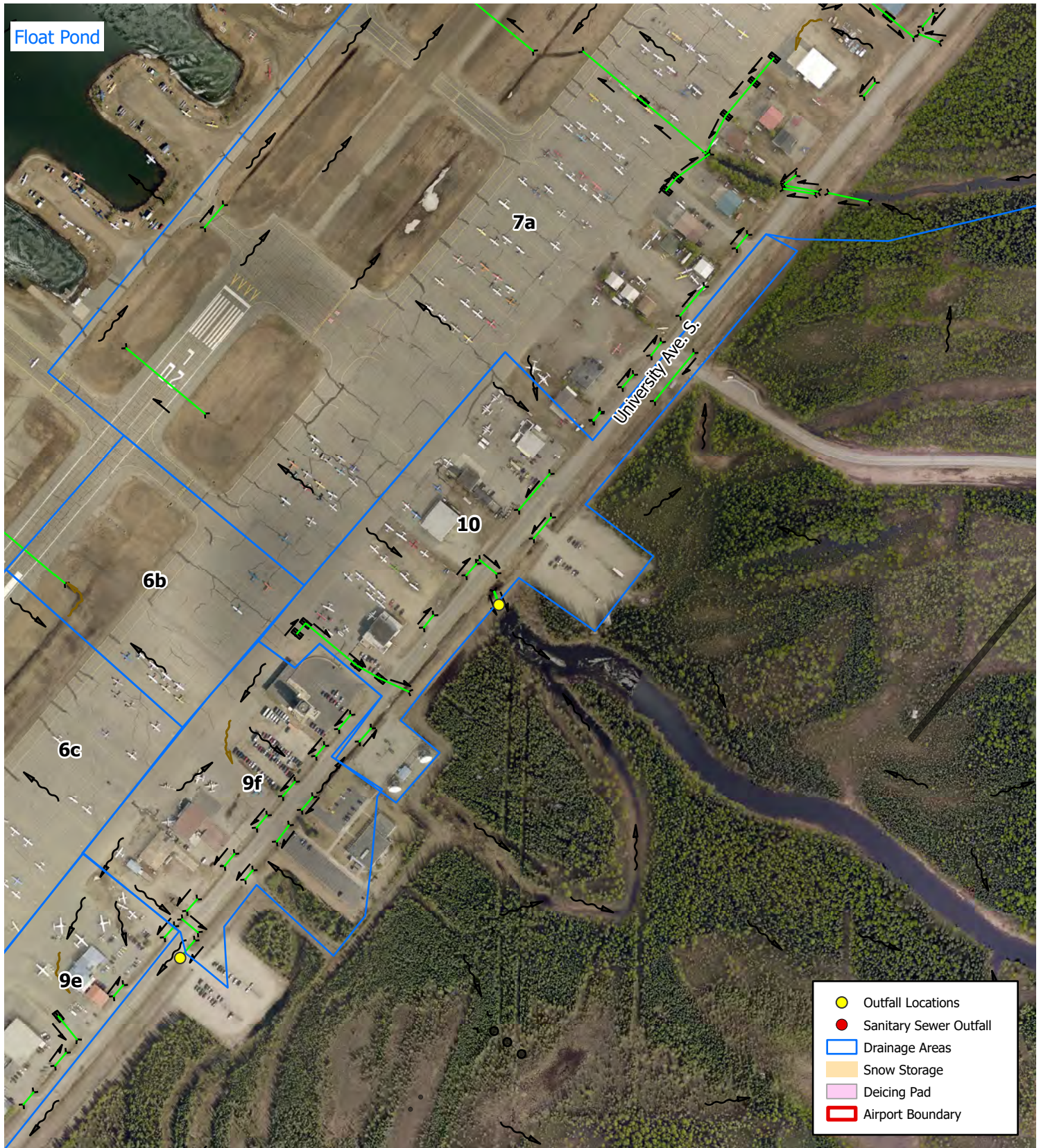
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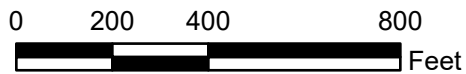
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FIGURE NO: 11

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Notes:

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Fairbanks 2017 4-inch SID Imagery



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FAIRBANKS INTERNATIONAL AIRPORT
STORMWATER POLLUTION PREVENTION PLAN

DRAINAGE AREA 10

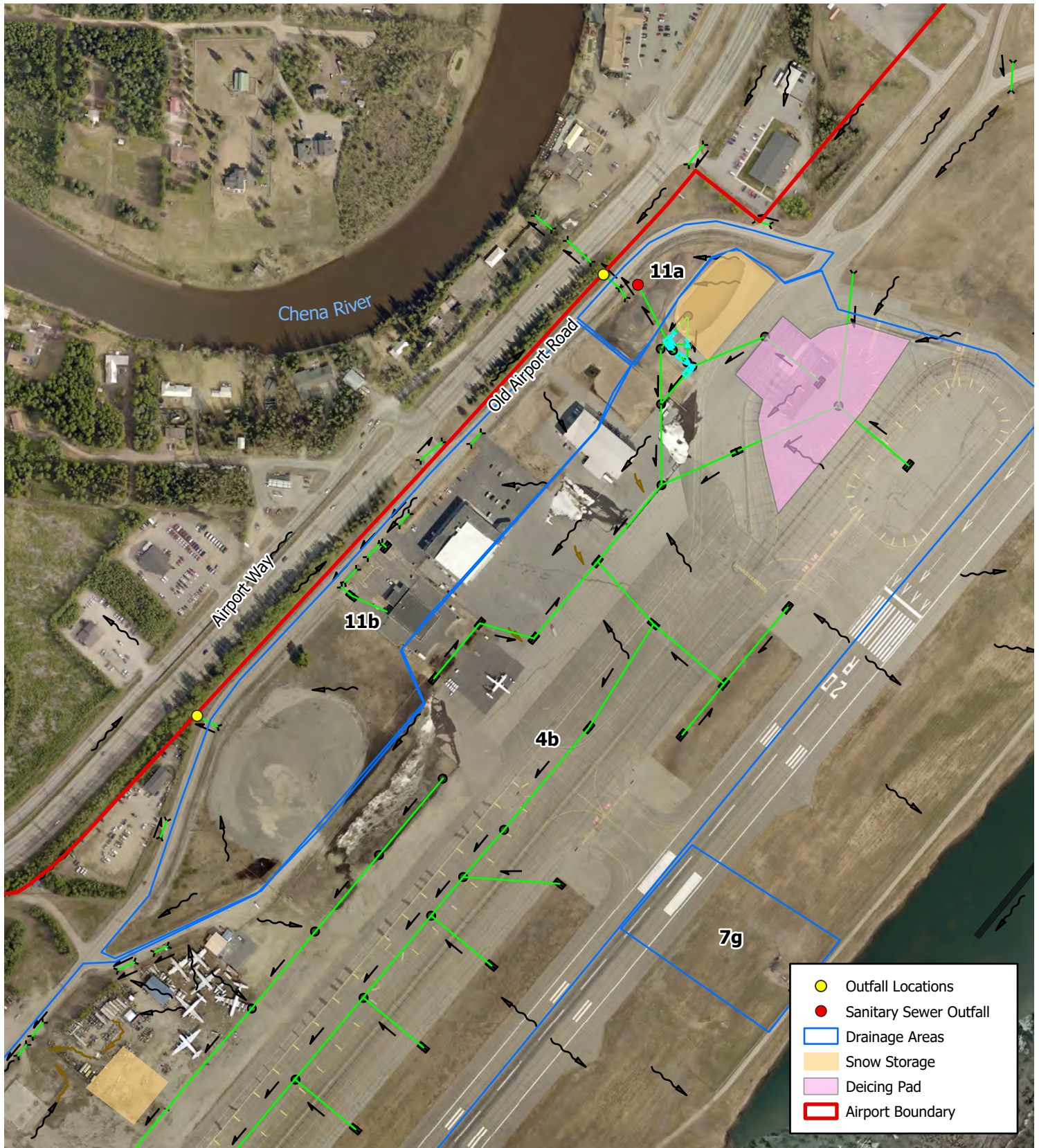
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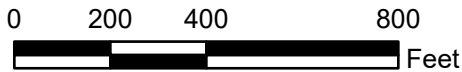
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Notes:

Coordinate System: NAD 1983 2011 StatePlane Alaska 3 FIPS 5003 Feet
Fairbanks 2017 4-inch SID Imagery



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STORMWATER POLLUTION PREVENTION PLAN

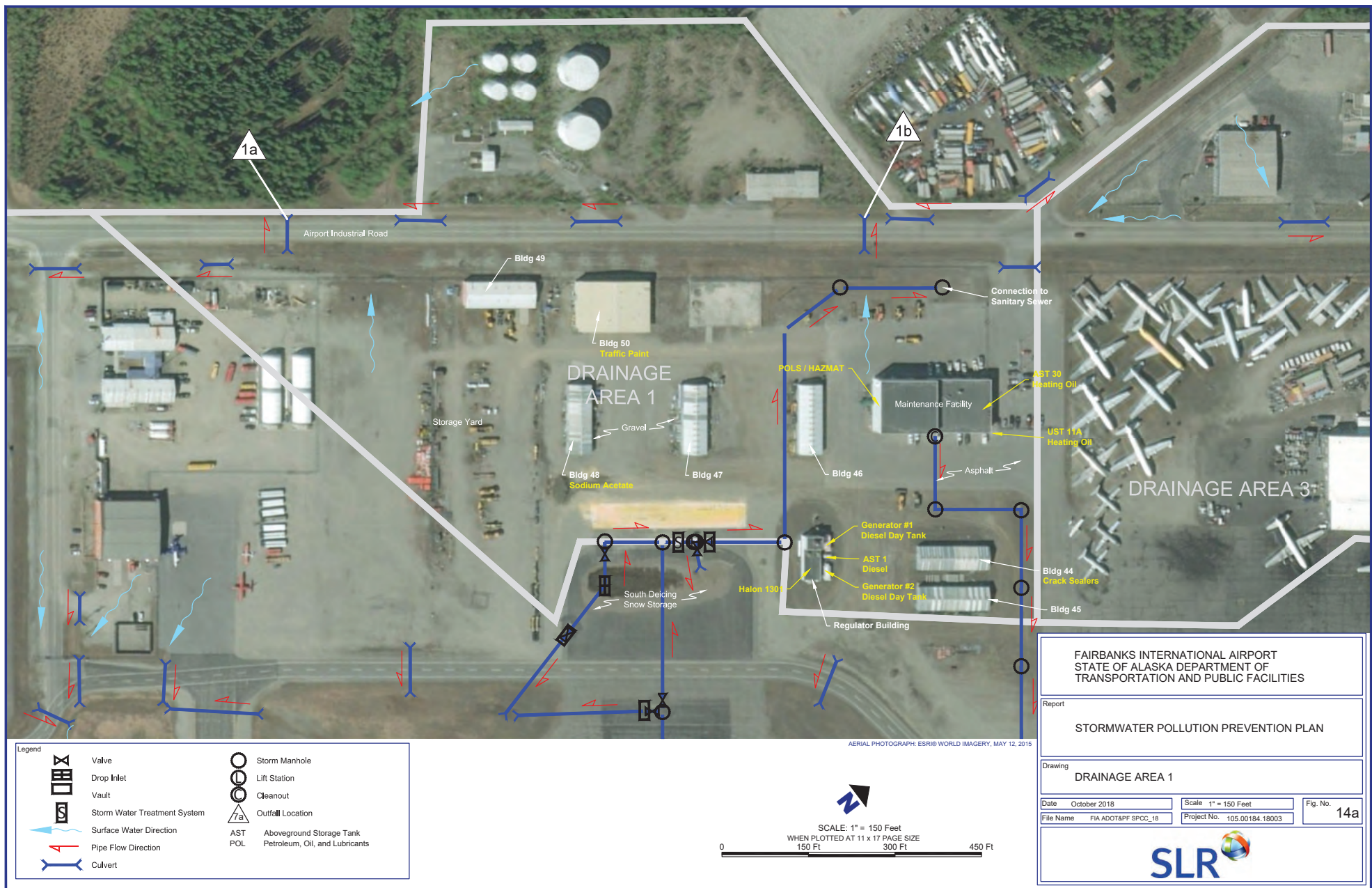
DRAINAGE AREA 11

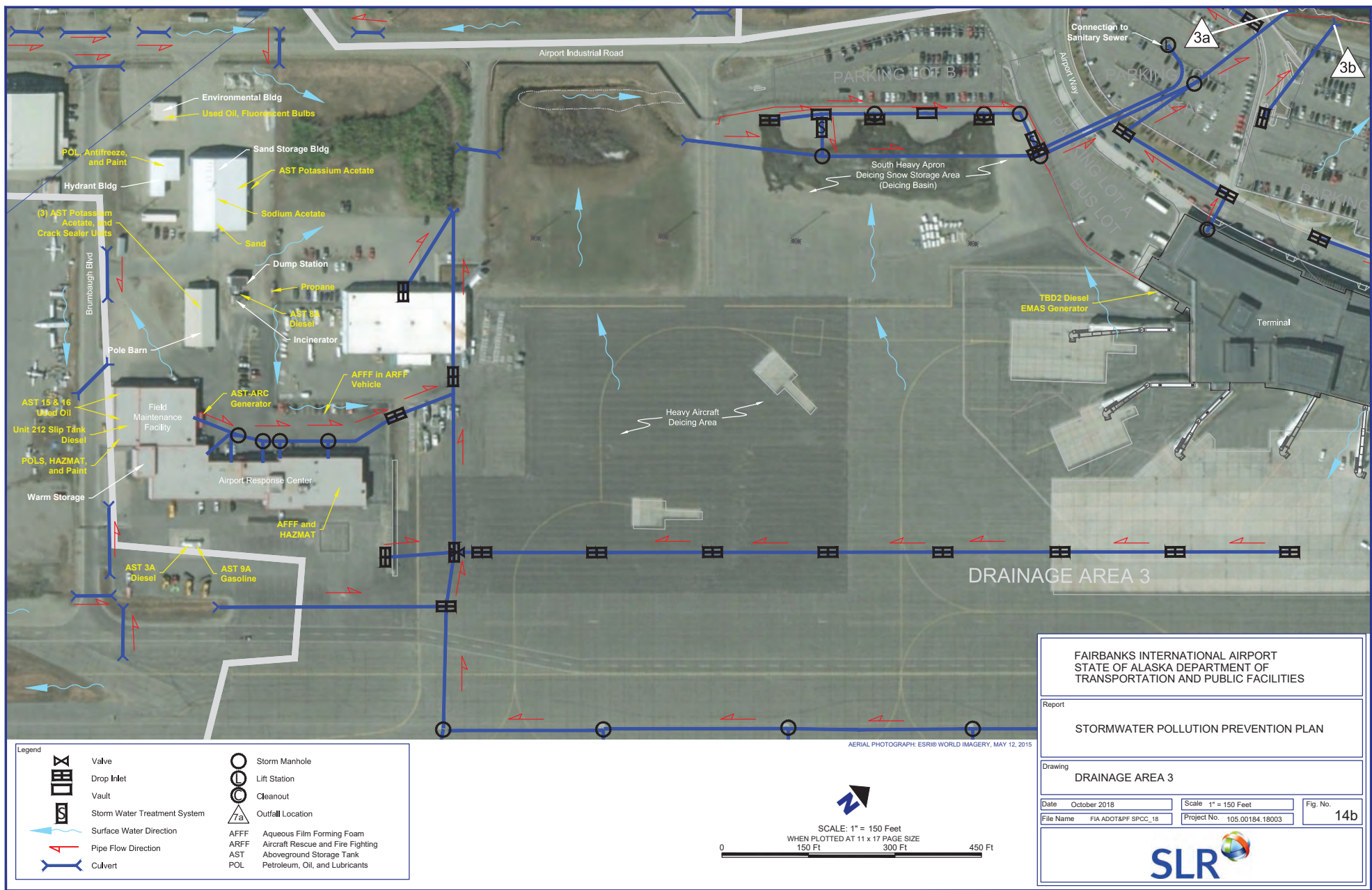
PROJ.NO: 3097.09

DATE: AUG 2026

REF: SWPPP

FIGURE NO: 13







Legend

	Valve		Storm Manhole
	Drop Inlet		Lift Station
	Vault		Cleanout
	Storm Water Treatment System		Outfall Location
	Surface Water Direction		
	Pipe Flow Direction		
	Culvert		

AERIAL PHOTOGRAPH: ESRI® WORLD IMAGERY, MAY 12, 2015



SCALE: 1" = 1,000 Feet
WHEN PLOTTED AT 11 x 17 PAGE SIZE
1,000 Ft 2,000 Ft 3,000 Ft

FAIRBANKS INTERNATIONAL AIRPORT
STATE OF ALASKA DEPARTMENT OF
TRANSPORTATION AND PUBLIC FACILITIES

Report

STORMWATER POLLUTION PREVENTION PLAN

Drawing

DRAINAGE AREA 8

Date July 2020

Scale 1" = 1,000 Feet

Fig. No.

File Name FIA ADOT&PF SPCC_18

Project No. 105.00184.18004

14c



Legend	
	Valve
	Drop Inlet
	Vault
	Storm Water Treatment System
	Surface Water Direction
	Pipe Flow Direction
	Culvert
	Storm Manhole
	Lift Station
	Cleanout
	Outfall Location
	Aboveground Storage Tank
	Air Traffic Control Tower



FAIRBANKS INTERNATIONAL AIRPORT STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES		
Report		
STORMWATER POLLUTION PREVENTION PLAN		
Drawing		
DRAINAGE AREA 9		
Date	October 2018	Scale 1" = 300 Feet
File Name	FIA ADOT&PF SPCC_18	Project No. 105.00184.18003
		Fig. No. 14d

Attachment C – NOI and Authorization Letter



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

MSGP DELEGATION OF SIGNATURE AUTHORITY

Facility Name:

I, (Regional Director's Name) hereby designate the (Personnel Title) assigned to (Facility Name) to be the DOT&PF duly authorized representative for the purpose of overseeing compliance with the APDES Multi-Sector General Permit, at the (Facility Name). By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Appendix A, Part 1.12 of the MSGP, and that the designee above meets the definition of a "duly authorized representative" as set forth in Appendix A, Part 1.12.3.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____

Title: _____

Signature _____

Date _____

Attachment D – Spill Log

MSGP Spill Log Tracking Form

Our stormwater discharge permit requires us to track spills and leaks. This information must be maintained with the SWPPP. Please record spills and leaks on this Log and document them, using the Log #, on the Appendix A Figure 1 in the location they occurred.

[illegible]

Attachment E – 2026 MSGP

NIC for size

Attachment F – Routine Inspections



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MSGP Routine Facility Inspection Report
MSGP 6.1

Routine inspections are required monthly during the deicing season and quarterly the rest of the year. The annual comprehensive inspection counts for one. Inspections must include all industrial materials or activities exposed to storm water, including: fuel tanks and dispensing areas, equipment parking areas, material storage/stockpile sites, waste material and trash disposal locations, off-site tracking areas (entrances/exits), aircraft deicing areas, snow storage areas, discharge points, and areas where leaks and spills have occurred in the past three years.

Name of Facility		APDES Tracking No.	AKR_____
Inspector Name(s)		Date & Time	
Weather Conditions at Time of Inspection			
Discharges Occurring	Yes ☐	No ☐	If yes, describe:

Any previously unidentified discharges of pollutants since last inspection?	Yes ☐	No ☐	If Yes, describe:
Any previously unidentified pollutants in existing discharges?	Yes ☐	No ☐	If Yes, describe:
Evidence of, or potential for, pollutants entering the drainage system?	Yes ☐	No ☐	If Yes, describe:
Evidence of pollutants discharging to receiving waters at outfalls?	Yes ☐	No ☐	If Yes, describe:

Area/Activity Inspected As described in the SWPPP, (e.g. runway, ARFF, fueling areas, outfalls, etc.)	Control Measures Needing Action or Any New Control Measures Needed Yes or No, and description of control measure	Describe Corrective Action Needed Identify needed maintenance and repairs or control measures needing replacement or additional control measures needed

Incidences of non-compliance observed	Yes ☐	No ☐	If Yes, describe or reference description in the notes section below:
---------------------------------------	---------------------------------	--------------------------------	---

Notes	
-------	--

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name: _____ Title: _____
Signature: _____ Date: _____

Attachment G – Quarterly Visual Assessments



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MSGP Quarterly Visual Assessment
MSGP 6.2

A separate form must be completed for each outfall. Sampling requirements at each outfall include:

- One sample from snowmelt discharge and three from rainfall storm events each year
- One inspection per quarter (three-month period) of each year
- Collect sample using a clean, clear container within 30 minutes of the beginning of a rainfall discharge (if sample collection is not possible, describe why on the Exceptions Log and conduct a makeup inspection during the same quarter)
- Take a photo of each sample and each outfall for each inspection

Examine the outfall sample in a well-lit area and record the results for each outfall below. If there is no discharge at a particular outfall, then record "no discharge" on the form.

Name of Facility			Outfall Site I.D.	
APDES Tracking No.	AKR_____		Sample Collection Date & Time	
Inspector Name(s)				
Weather Conditions/Notes				
Discharge at Site? (Check box)	☐ Yes	☐ No		
Type of Discharge (Check box)	☐ <i>Snowmelt Runoff</i>	☐ <i>Rainfall Runoff</i>		
For Rainfall Discharge, Record Storm Event Data	<u>Rainfall Duration (Days)</u>	<u>Rainfall (Inches)</u>	<u>Time Since Prior Rainfall Event (Days)</u>	
Reason Why Sample Not Collected Within First 30 Min.(if applicable)				
Additional Comments				

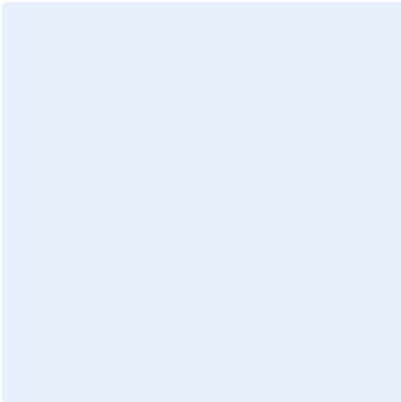
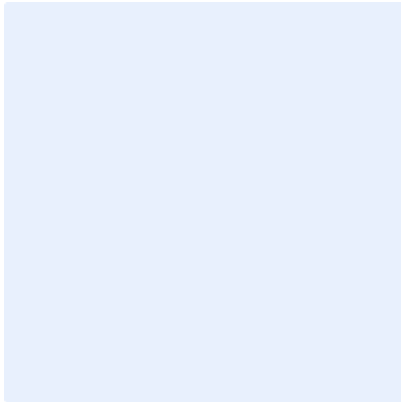
Observation	Description			Comments and/or Probable Source of Observed Contamination
Color	☐ Clear	☐ Cloudy	☐ Dark	
Odor	☐ Absent	☐ Sewage	☐ Rotten Eggs	
Clarity	☐ Clear	☐ Cloudy	☐ Dark	
Floating Solids	☐ Absent	☐ Present		
Settled Solids	☐ Absent	☐ Present		
Suspended Solids	☐ Absent	☐ Present		
Foam	☐ Absent	☐ Present		
Oil Sheen	☐ Absent	☐ Present	☐ Smell	



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MSGP Quarterly Visual Assessment
MSGP 6.2

Stain at Outfall	☐ <i>Absent</i>	☐ <i>Present</i>	☐ <i>Other</i>	
Sample taken in clean, clear container?	☐ Yes	☐ No		
Sample inspected in a well-lit area?	☐ Yes	☐ No		

Detail any concerns, additional comments, and descriptions of pictures taken below. (MSGP 6.2.2)

	
Description:	Description:

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name: _____ Title: _____

Signature: _____

Attachment H – Annual Reports



Alaska Department of Environmental Conservation

MSGP Annual Reporting Form

Section I. General Information

Facility Name		APDES Permit Tracking Number	
Facility Physical Address			
Street	City	State	Zip Code
		Alaska	
Contact Person	Title	Phone	Email
Lead Inspector's Name	Additional Inspector's Name	Additional Inspector's Name	Inspection Date

Section II. General Inspection Findings

1. As part of this comprehensive site inspection, did you inspect all potential pollutant sources, including areas where industrial activity may be exposed to storm water? ☐ Yes ☐ No

If NO, describe why not:

Note: Complete Section III of this form for each industrial activity area inspected and included in your SWPPP or as newly defined, in Section II parts 2 and 3 below, where pollutants may be exposed to storm water.

2. Did this inspection identify any storm water or non-storm water outfalls not previously identified in your SWPPP? ☐ Yes ☐ No

If YES, for each location, describe the sources of those storm water and non-storm water discharges and any associated control measures in place:

3. Did this inspection identify any sources of storm water or non-storm water discharges not previously identified in your SWPPP? If YES, describe these sources of storm water or non-storm water pollutants expected to be present in these discharges, and any control measures in place:	☐ Yes ☐ No
4. Did you review storm water monitoring data as part of this inspection to identify potential pollutant hotspots? If YES, summarize the findings of that review and describe any additional inspection activities resulting from this review:	☐ Yes ☐ No ☐ NA, no monitoring performed
5. Describe any evidence of pollutants entering the drainage system or discharging to surface waters, and the condition of and around outfalls, including flow dissipation measure to prevent scouring:	
6. Have you taken or do you plan to take corrective actions, as specified in Part 8 of the permit, since your last annual report submission (or since you received authorization to discharge under this permit if this is your first annual report), including any corrective actions identified as a result of this annual comprehensive site inspection? If YES, how many conditions requiring review for corrective action as specified in Parts 8.1 and 8.2 of the MSGP were addressed by these corrective actions?	☐ Yes ☐ No
Note: Complete the attached Corrective Action Form (Section IV) for each condition identified, including any conditions identified as a result of this comprehensive storm water inspection.	

Section III. Industrial Activity Area Specific Findings

Complete one block for each industrial activity area where pollutants may be exposed to storm water. Copy this page for additional industrial activity areas.

In reviewing each area, you should consider:

- Industrial materials, residue, or trash that may have or could come into contact with storm water;
- Leaks or spills from industrial equipment, drums, tanks, and other containers;
- Offsite tracking of industrial or waste materials from areas of no exposure to exposed areas; and
- Tracking or blowing of raw, final, or waste material from areas of no exposure to exposed areas.

Industrial Activity Area:

1. Brief Description:

2. Are any control measures in need of maintenance or repair?

☐

Yes

☐

No

3. Have any control measures failed and require replacement?

☐

Yes

☐

No

4. Are any additional/revised control measures necessary in this area?

☐

Yes

☐

No

If YES, to any of these three questions, provide a description of the problem: *(Any necessary corrective actions should be described on the attached Corrective Action Form.)*

Industrial Activity Area:

1. Brief Description:

2. Are any control measures in need of maintenance or repair?

☐

Yes

☐

No

3. Have any control measures failed and require replacement?

☐

Yes

☐

No

4. Are any additional/revised control measures necessary in this area?

☐

Yes

☐

No

If YES, to any of these three questions, provide a description of the problem: *(Any necessary corrective actions should be described on the attached Corrective Action Form.)*

Industrial Activity Area:

1. Brief Description:

2. Are any control measures in need of maintenance or repair? ☐ Yes ☐ No

3. Have any control measures failed and require replacement? ☐ Yes ☐ No

4. Are any additional/revised control measures necessary in this area? ☐ Yes ☐ No

If YES, to any of these three questions, provide a description of the problem: *(Any necessary corrective actions should be described on the attached Corrective Action Form.)*

Industrial Activity Area:

1. Brief Description:

2. Are any control measures in need of maintenance or repair? ☐ Yes ☐ No

3. Have any control measures failed and require replacement? ☐ Yes ☐ No

4. Are any additional/revised control measures necessary in this area? ☐ Yes ☐ No

If YES, to any of these three questions, provide a description of the problem: *(Any necessary corrective actions should be described on the attached Corrective Action Form.)*

Section IV. Corrective Actions

Complete this page for each specific condition requiring a corrective action or a review determining that no corrective action is needed. Copy this page for additional corrective actions or reviews.

Include both corrective actions that have been initiated or completed since the last annual report, and future corrective actions needed to address problems identified in the comprehensive storm water inspection. Include an update on any outstanding corrective actions that had not been completed at the time of your previous annual report.

1. Corrective Action # _____ of _____ for this reporting period.

2. Is this corrective action:

☐

An update on a corrective action from a previous annual report; or

☐

A new corrective action?

3. Identify the condition(s) triggering the need for this review:

☐

Unauthorized release of discharge

☐

Numeric effluent limitation exceedance

☐

Control measures inadequate to meet applicable water quality standards

☐

Control measures inadequate to meet non-numeric effluent limitations

☐

Control measures not properly operated or maintained

☐

Change in facility operations necessitated change in control measures

☐

Average benchmark value exceedance

☐

Other (describe):

4. Briefly describe the nature of the problem identified:

5. Date problem identified:

6. How problem was identified:

☐

Comprehensive site inspection

☐

Quarterly visual assessment

☐

Routine facility inspection

☐

Notification by EPA or DEC

☐

Other (describe):

7. Description of corrective action(s) taken or to be taken to eliminate or further investigate the problem (e.g., describe modifications or repairs to control measures, analysis to be conducted, etc.) or if no modification is needed, basis for that determination.

8. Did/will this corrective action require modification of your SWPPP?

☐

Yes

☐

No

9. Date corrective action initiated:

10. Date corrective action completed:

Or expected to be completed:

11. If corrective action not yet completed, provide the status of the corrective action as the time of the comprehensive site inspections and describe any remaining steps (including timeframes associated with each step) necessary to complete the corrective action:

Section V. Annual Report Certification

Compliance Certification

Do you certify that your annual inspection has met the requirements of Part 6.3 of the permit, and that, based upon the results of this inspection, to the best of your knowledge, you are in compliance with the permit?

☐

Yes

☐

No

If NO, summarize why you are not in compliance with the permit:

Annual Report Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those person directly responsible for gathering the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Authorized Representative

Title

Email

Signature

Date Signed

Attachment I – Corrective Action Log



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MSGP Corrective Action Log
(MSGP Section 8 Corrective Actions)
(Note: use Separate form for each corrective action)

Corrective Action Number	Date Problem Identified	Condition Triggering Corrective Action (See MSGP Sections 8.1 & 8.2)	Describe Problem	Log Entry Date (required within 24 hours)

Signature: _____

Date Corrective Action Initiated	Describe Corrective Action Taken (repair or maintenance of control measures, new control measure)	SWPPP Amendment Required.	Date Corrective Action Completed (if more than 14 days, provide rationale)
		Yes ☐ No ☐	

Signature: _____

Attachment J – Training Log



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MSGP TRAINING RECORD
MSGP 4.2.9

Record any instances of training or meetings related to storm water and SWPPP management. Training needs to be on-going and is required to be performed at least annually and documented in the SWPPP to meet permit requirements. Refer to MSGP Section 4.2.9, Employee Training.

Qualified personal must complete at least one of the following MSGP trainings:

- AK-CESCL certified
- EPA MSGP online training, or
- DOT&PF T2 MSGP training for airports

Date		Trainer	
Name of Training			

Training Topics (check as appropriate)

- | | |
|--|---|
| ☐ Good Housekeeping Control Measures | ☐ Inspections |
| ☐ Spill Prevention and Response | ☐ Reporting and Recordkeeping |
| ☐ Erosion and Sediment Control Measures | ☐ SWPPP |
| ☐ Runoff Management Control Measures | ☐ Maintenance of Equipment or Control Measures |
| ☐ Other (describe) _____ | |

Employee(s) Trained	Employee Signature

Attachment K – Pollutant Source Inventory and Chemical Data Sheets



Drainage Area 1 (Air Industrial Park- Maint. Facility, Building 44-50, Regulator Building and Storage Yard)								
		Material Storage/Activity		Material Exposed in Last 3 Years?		Likelihood of Contact With Storm Water- Yes/No	Past Significant Spill or Leak?	
Material	Location	Method or Type	Volume or Capacity	Yes	No	If Yes, describe	Yes	No
Scrap Metal	Storage yard	Open 55-gallons drums	5-10 drums	X		Yes, during storage prior to recycling		X
Traffic Paint	Building 50	360 gallon super drums	Up to 5040 gallons		X	Yes, during application		X
Crack Sealers	Building 44	Aboveground storage tank of asphalt/tar	Up to 1,200 gallons		X	Yes, if applied during or prior to inclement weather		X
Runway painting prep	West of South Deice Pad	Paint test strips on asphalt	< 25 gallons	X		Yes, if applied during or prior to inclement weather		X
Sandblasting	Storage yard - on asphalt surface	Sandblasting of equipment - paint prep	<50 gallons spent grit		X	Yes, if spent sandblast material not cleaned up properly		X
Sweepster vacuum cleaning	Storage yard - on bermed concrete pad	Sweepster waste storage container flushing	<50 gal/flush	X		Yes, if sediment on pad not cleaned out occasionally and pad overflows		X
Sodium Acetate	Building 48	Super Sacks on pallets	2205 pounds per sack		X	Yes, during loading & unloading and during application		X
Heating Oil	Airport Maintenance Facility	Boiler Day Tank (AST 30)	100 gallon		X	Yes, if spill prevention devices fail		X

		Material Storage/Activity		Material Exposed in Last 3 Years?		Likelihood of Contact With Storm Water- Yes/No	Past Significant Spill or Leak?	
Material	Location	Method or Type	Volume or Capacity	Yes	No	If Yes, describe	Yes	No
Heating Oil	Outside Airport Maintenance Facility Receiving Bay	Underground Storage Tank (UST 11A)	5000 gallons		X	Yes, during fuel transfer		X
Various Oils (motor oil, lubrication, used oil)	Airport Maintenance Facility	55-gallon drums	~12 drums (Up to 660 gallons)		X	Yes, if drums stored outside and are damaged		X
#1 Diesel Fuel	West side of building Regulator Building	Aboveground storage tank (AST 1)	2500 gallons	X		Yes, if spill prevention devices fail	X	
#1 Diesel Fuel	Generator #1 Building	Aboveground day tank	50 gallons		X	Yes, if spill prevention devices fail		X
#1 Diesel Fuel	Generator #2 Building	Aboveground day tank	25 gallons		X	Yes, if spill prevention devices fail		X
Halon 1301	Regulator Building Indoors	Cylinders	530 pounds		X	No		X

Drainage Area 3 (Fuel Hydrant Maintenance Building, Field Maintenance Facility, Biffy Dump, Incinerator Building and Dumpsters, Police Station, Sand Building, Environmental Building, ARC and Terminal)								
		Material Storage/Activity		Material Exposed in Last 3 Years?		Likelihood of Contact With Storm Water- Yes/No	Past Significant Spill or Leak?	
Material	Location	Method or Type	Volume or Capacity	Yes	No	If Yes, describe	Yes	No
Diesel Fuel	Biffy Dump & Incinerator Building	Aboveground storage tank (AST 8A)	1000 gallons		X	Yes, if spill prevention devices fail		X
Diesel Fuel	East side of Field Maintenance Facility	Aboveground storage tank (AST 3A)	5000 gallons		X	Yes, if spill prevention devices fail		X
Unleaded Gasoline	East side of Field Maintenance Facility	Aboveground storage tank (AST 9A)	2000 gallons		X	Yes, if spill prevention devices fail		X
Crack Sealers	Storage Yard - pole barn	Aboveground storage tank of asphalt/tar	Up to 1,200 gallons		X	Yes, if applied during or prior to inclement weather		X
Joint & Crack Sealer	Storage Yard - pole barn	Palletized boxes	67,000 pounds		X	No		X
Potassium Acetate	Storage Yard - pole barn	Aboveground storage tanks (3)	5000 gallons each	X		Yes, during loading & unloading and during application		X
Propane	Storage Yard	Aboveground storage	280 gallons		X	No		X
Potassium Acetate	Outside North side of Sand Building	Aboveground storage tank (GREER tank)	30,000 gallons		X	Yes, during loading & unloading and during application		X
Potassium Acetate	Sand Building Indoors	Aboveground storage tank	15,000 gallons		X	Yes, during loading & unloading and during application		X

		Material Storage/Activity		Material Exposed in Last 3 Years?		Likelihood of Contact With Storm Water- Yes/No	Past Significant Spill or Leak?	
Material	Location	Method or Type	Volume or Capacity	Yes	No	If Yes, describe	Yes	No
Sodium Acetate	Sand Building Indoors	Super Sacks on pallets	2205 pounds per sack		X	Yes, during loading & unloading and during application		X
Sodium Formate	Sand Building Indoors	Super Sacks on pallets	2205 pounds per sack		X	Yes, during loading & unloading and during application		X
Sand	Sand Building Indoors	Indoor storage bay	500 yards	X		Yes, during application		X
Used Oil	Field Maintenance Inside SW truck bay	Aboveground storage tanks (AST 15 & AST 16)	275 gallons each		X	No		X
Acetylene	Field Maintenance Facility Indoors	Cylinders	1018 scf		X	No		X
Argon	Field Maintenance Facility Indoors	Cylinders	356 scf		X	No		X
Blueshield	Field Maintenance Facility Indoors	Cylinders	1068 scf		X	No		X
Oxygen	Field Maintenance Facility Indoors	Cylinders	1000 scf		X	No		X
Mineral Spirits	Field Maintenance Facility Indoors	55-gallon drums and in parts washers	Parts washers (2) contain approx. 30 gallons each		X	No		X
Chevron Delo 400 Multi- Grade Motor Oil	Field Maintenance Facility Indoors	55-gallon drums	220 gallons		X	No		X
Chevron RPM Arctic Gear Lube	Field Maintenance Facility Indoors	55-gallon drums	220 gallons		X	No		X
Chevron Torque Fluid	Field Maintenance Facility Indoors	55-gallon drums	220 gallons		X	No		X
Caterpillar Engine Oil	Field Maintenance Facility Indoors	55-gallon drums	220 gallons		X	No		X

		Material Storage/Activity		Material Exposed in Last 3 Years?		Likelihood of Contact With Storm Water- Yes/No	Past Significant Spill or Leak?	
		Method or Type	Volume or Capacity	Yes	No	If Yes, describe	Yes	No
Caterpillar Transmission Oil	Field Maintenance Facility Indoors	55-gallon drums	110 gallons		X	No		X
Chevron Automatic Transmission Fluid	Field Maintenance Facility Indoors	55-gallon drums	110 gallons		X	No		X
Chevron Hydraulic Oil	Field Maintenance Facility Indoors	55-gallon drums	220 gallons		X	No		X
Ethylene Glycol	Field Maintenance Facility Indoors	55-gallon drums	550 gallons		X	No		X
Texatherm 46	Field Maintenance Facility Indoors	55-gallon drums	240 gallons		X	No		X
Adhesives/paints/stain s thinners	Field Maintenance Facility Indoors	<5 gallon containers	150 gallons		X	No		X
AFFF (aqueous file-forming foam) /water	Outdoors	ARFF vehicle	420 gallons	X		Yes, during emergency response		X
Trash	Outdoors	Dumpsters (1-2)	Unknown	X		Yes, if lid to dumpster left open or if leaking containers disposed		X
Adhesives/paints/stain s thinners	Hydrant Bldg Indoors	<5 gallon containers	150 gallons		X	No		X

		Material Storage/Activity		Material Exposed in Last 3 Years?		Likelihood of Contact With Storm Water- Yes/No	Past Significant Spill or Leak?	
		Method or Type	Volume or Capacity	Yes	No	If Yes, describe	Yes	No
Used Antifreeze	Hydrant Bldg Indoors	55-gallon drums	55 gallons		X	Yes, if containers are damaged while loading for recycling		X
Motor Oil	Hydrant Bldg Indoors	55-gallon drums	440 gallons		X	No		X
Cold Mix	Environmental Building Indoors	55-gallon drums	110 gallons		X	No		X
Non-Hazardous Waste fluorescent bulbs	Environmental Building Indoors	Boxes and Pallets	up to 400 lbs	X		Yes, if containers are damaged while loading for recycling	X	
Used Oil	Environmental Building Indoors	55-gallon drums	110 gallons		X	Yes, if containers are damaged while loading for recycling		X
Diesel	ARC Generator	Aboveground Storage Tank integral to generator (AST ARCGenerator)	2000 gallons		X	Yes, if spill prevention devices fail		X
3M Aqueous Film	ARC Indoors	5-gallons containers	2200 gallons		X	No		X
Acetylene	ARC Indoors	Cylinders	1018 set		X	No		X
Oxygen	ARC Indoors	Cylinders	1000 set		X	No		X
Breathing Air	ARC Indoors	Cylinders	8340 set		X	No		X
Argon	ARC Indoors	Cylinders	356 set		X	No		X
Nitrogen	ARC Indoors	Cylinders	1050 set		X	No		X
Halon 1211	ARC Indoors	Cylinders	3500 lbs.		X	No		X

		Material Storage/Activity		Material Exposed in Last 3 Years?		Likelihood of Contact With Storm Water- Yes/No	Past Significant Spill or Leak?	
		Method or Type	Volume or Capacity	Yes	No	If Yes, describe	Yes	No
Lawn cuttings & yard debris	Terminal	Outdoors - Stored in piles	Unknown	X		Yes, exposed to precipitation		X
Snow storage (vehicle fluids & trash)	Terminal	Outdoors - piles in parking lots and next to North pond	Unknown	X		Yes - meltwater		X
Trash	Terminal	Dumpsters (2)	Unknown	X		Yes, if lid to dumpster left open or if leaking containers disposed		X
#1 Diesel Fuel	Terminal EMAS Generator	Aboveground day tank (TBD 2)	1200 gallons		X	Yes, if spill prevention devices fail		X

Drainage Area 9 (FAA Base Building)								
		Material Storage/Activity		Material Exposed in Last 3 Years?		Likelihood of Contact With Storm Water- Yes/No	Past Significant Spill or Leak?	
Material	Location	Method or Type	Volume or Total Capacity	Yes	No	If Yes, describe	Yes	No
Diesel	Outdoors FAA Base Building	Aboveground storage tank (AST FAA)	2000 gallons		X	Yes, if spill prevention devices fail		X

Miscellaneous Buildings								
		Material Storage/Activity		Material Exposed in Last 3 Years?		Likelihood of Contact With Storm Water- Yes/No	Past Significant Spill or Leak?	
Material	Location	Method or Type	Volume or Total Capacity	Yes	No	If Yes, describe	Yes	No
Sweepster debris	Matomco lot	Outdoors - in piles	Unknown	X		Yes, exposed to precipitation		X
Snow storage (vehicle fluids & trash)	Matomco lot	Outdoors - piles relocated from terminal and other airport areas	Unknown	X		Yes - meltwater		X

Runways, taxiways, ramps, and aprons								
		Material Storage/Used/Activity		Material Exposed in Last 3 Years?		Likelihood of Contact With Storm Water- Yes/No	Past Significant Spill or Leak?	
Material	Location	Method or Type	Volume or Total	Yes	No	If Yes, describe	Yes	No
Sodium Formate	Runways & taxiways	Applicator truck	up to 90 tons/yr - weather dependent	X		Yes, as applied		X
Potassium Acetate	Runways & taxiways	Applicator truck	Approximately 10,000 gallons/yr (weather dependent)	X		Yes, as applied		X
Runway paint (water- soluble)	Runways, taxiways, ramps	Spray paint vehicle	3200 gal./year	X		Yes, after application in dried form		X
Sand	Runways, taxiways,	Sand truck	Unknown	X		Yes, as applied		X
Joint & Crack Sealer	Runways, taxiways,	Applicator	67,000 pounds	X		Yes, as applied		X
Jet-A and aviation fuel	Ramps & aprons	Fuel trucks	12 million gallons fuel flowage annually	X		Yes, drips or leaks or during a spill event	X	
Pesticides (Crossbow, Seven SL)	Runways, taxiways, ramps	Applicator truck	<60 gallons annually		X	Yes		X
Sanitary waste	Ramps & aprons	Biffy truck or failed aircraft equipment	Unknown	X		Yes, drips, spill, leaks		X
Wash water & debris	Ramp	Water truck	Unknown		X	Yes, if washing occurs during precipitation event or if wash water reaches storm sewer inlet		X
Vehicle fluids (engine oil, hydraulic fluids, grease, antifreeze)	Ramps & aprons	Vehicles and aircraft	Unknown	X		Yes, if not cleaned up promptly and properly	X	

Attachment L – Deicing Tracking



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
MSGP Airfield Deicer Tracking Form

Our storm water discharge permit requires DOT&PF to track the amount of deicing materials used on a monthly basis. These records must be maintained with the SWPPP. **Please record the information below for each application.**

Date	Product Used	Quantity Pure Product	Location	Weather Conditions	Temp	Initials	Comments