

CM 1.0 Facility-Wide Control Measures

Targeted Activities:

- General Facility Operations

Targeted Pollutants:

- Fuels/Oils/Grease
- Solvents
- Soaps/Detergents
- Battery Acid
- Paint
- Sediment/Debris

Minimize Exposure

- 1.1 Limit pollutant sources to indoors or under cover with containment, when possible.

Good Housekeeping

- 1.2 Maintain areas exposed to stormwater in a clean and orderly manner.
- 1.3 Substitute with less hazardous/biodegradable materials where feasible.

Spill Prevention and Response Procedures

- 1.4 Post Spill Response Plans in areas where spills are most likely to occur.
- 1.5 Spill kits:
1. Provide spill response materials in areas where spills are likely to occur.
 2. Stock with adequate and appropriate spill response materials.
 3. Label spill kits.
 4. Close and secure container lids.
 5. Keep free of trash.
- 1.6 Spill containment and reporting:
1. Stop the spill at the source, if safe to do so.
 2. Report spills to the Communications Center by calling (602) 273-3311.
 3. Initiate diversion actions to prevent the spill from entering the stormwater inlet or soil by using drip pans, absorbent booms, mats, or other devices.
 4. Prohibit track out of spilled material.
- 1.7 Spill clean-up:
1. Use dry methods (i.e., absorbent material, absorbent pads) to clean up a spill.
 2. Dispose of used spill response materials promptly and appropriately per regulations.
 3. Follow appropriate procedures and regulatory reporting for hazardous materials spill response.

Management of Runoff

- 1.8 Outdoor water sources:
1. Limit access to outdoor water sources.
 2. Post “Do Not Use for Wash Down or Rinsing of Equipment” signs. Email AVN-Stormwater@phoenix.gov for signage.
- 1.9 Divert stormwater run-on away from pollutant sources.

Training

- 1.10 At least one PPT Member from each facility to attend annual train-the-trainer SWPPP training provided by Aviation.
- 1.11 Provide equivalent SWPPP training to employees who work in areas with potential exposure to stormwater or who have responsibilities under the SWPPP.
- 1.12 Service provider/sub-contractor education:
1. Provide service providers, sub-contractors, construction contractors and haulers with copies of relevant CMs.
 2. Require service providers and sub-contractors to comply with all relevant CM requirements.

CM 1.0 Facility-Wide Control Measures

Inspections and Recordkeeping

- 1.13 PPT Member to maintain the following documentation:
 1. Self-Inspections, at least monthly
 2. Routine Site Inspections (RSI) Records (may be self-performed with Aviation approval)
 3. Corrective Action Reports
 4. Maintenance Records
 5. Employee Stormwater Training
 6. Notice of Intent (NOI) Authorization Certificate or No Exposure Certificate (NEC) issued by Arizona Department of Environmental Quality (ADEQ)
 7. Spill Prevention Control and Countermeasure Plan, if applicable
- 1.14 Perform stormwater self-inspections at least monthly.
 1. Address identified non-compliance findings within 14 days of the inspection or prior to the next storm event, whichever is sooner.
 2. Document corrections made resulting from self-inspections.
- 1.15 Make records available to facility personnel, inspectors, and agency representatives, as needed.
- 1.16 Aviation held documentation to be kept with the SWPPP on the virtual notebook for three years after permit is terminated:
 1. Visual Assessment Reports
 2. Outfall Routine Site Inspection Reports
 3. SWPPP Certification Forms

CM 2.0 Aircraft, Vehicle and Equipment Maintenance

Targeted Activities:

- Aircraft, Vehicle, and Equipment (AVE) Maintenance

Targeted Pollutants:

- Fuels/Oils/Grease
- Battery Acid
- Paint
- Solvents
- Soaps/Detergents

Minimize Exposure

- 2.1 Perform maintenance on paved surfaces and, when possible, indoors or under cover.
- 2.2 Use cleaning or other products indoors, when practical.
- 2.3 Minimize pollutant exposure when performing maintenance activities:
 1. Store maintenance materials and wastes indoors with secondary containment.
 2. Perform maintenance away from stormwater inlets.
 3. Perform maintenance indoors during rain events.
 4. Provide controls in maintenance areas (such as stormwater inlet protection, oil/water separators, berms, and sumps).

Good Housekeeping

- 2.4 Dispose of waste and hazardous waste properly per federal, state, county, and city regulations. See CM 8.0 waste handling key approaches.

Maintenance

- 2.5 Perform preventative AVE maintenance.
- 2.6 Expedite repair.

Spill Prevention and Response Procedures

- 2.7 Maintain spill kits on maintenance vehicles and in designated maintenance areas.
- 2.8 Maintain the appropriate (battery acid) spill kits by battery charging stations and single point battery water stations.
- 2.9 Immediately contain, clean (using dry methods), and report leaks/spills that occur during maintenance activities.

Inspections and Recordkeeping ¹

- 2.10 Inspect maintenance areas at least monthly.

¹ Retain documentation of inspection in accordance with CM 1.13 and conduct inspections in accordance with CM 1.14.

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CM 3.0 Aircraft, Vehicle and Equipment Cleaning

Targeted Activities:

- Aircraft, Vehicle, and Equipment (AVE) Washing
- Equipment Degreasing

Targeted Pollutants:

- Fuels/Oils/Grease
- Solvents
- Vehicle Fluids
- Soaps/Detergents

Minimize Exposure

- 3.1 Use dry washing methods when possible.
- 3.2 Use off-site commercial facilities for vehicles and equipment washing, when practical.
- 3.3 Use designated areas for washing:
 1. Wash AVE in covered, contained (i.e., with a berm), and/or indoor wash areas, when practical.
 2. Provide signage to designate wash areas.
- 3.4 Wash water:
 1. Collect washwater for proper disposal.
 2. Discharge washwater to the sanitary sewer through an oil/water separator (OWS).
 3. Recycle washwater, when practical.
- 3.5 Cover, berm, or otherwise block nearby stormwater inlets during washing.
- 3.6 Follow approved wash plan.

Good Housekeeping

- 3.7 Soaps, detergents, and cleaning agents:
 1. Use water-based cleaning agents or non-chlorinated solvents.
 2. Use biodegradable, phosphate-free detergents.
 3. Use non-emulsifying cleaning agents in areas equipped with an OWS.
 4. After washing, remove material (i.e., drippings and residue) from the ground using a vacuum, scrubber or sweeper and dispose of properly.

Maintenance

- 3.8 Repair cracks or gaps in berms or surfaces.

Inspections and Recordkeeping ¹

- 3.9 Inspect wash areas for cracks or gaps in berms or surfaces.
- 3.10 Wash service providers must prepare and submit wash plan to AVN-Stormwater@phoenix.gov for Aviation approval prior to washing.
- 3.11 Revise and resubmit wash plan every 3 years or when changes occur.

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CM 4.0 Aircraft, Vehicle and Equipment Storage

Targeted Activities:

- Aircraft, Vehicle, and Equipment (AVE) Storage

Targeted Pollutants:

- Fuels/Oils/Grease
- Solvents
- Hydraulic Fluid

Minimize Exposure

- 4.1 Store AVE in paved areas and, when possible, indoors or under cover.
- 4.2 Store AVE away from stormwater inlets.
- 4.3 Berm AVE parking areas, where practical.
- 4.4 Long term storage of AVE (>30 days):
 1. Drain all fluids and remove batteries.
 2. Wipe down exterior surfaces to remove grease/oil prior to storage.
 3. Request approval by emailing AVN-Stormwater@phoenix.gov, if fluids must be maintained in AVE and perform weekly inspections of AVE.
- 4.5 Temporary storage of vehicles awaiting repair/removal:
 1. Use drip pans or absorbent pads to contain releases.
 2. Check and clean drip pans and absorbent pads on a regular basis.

Inspections and Recordkeeping ¹

- 4.6 Inspect AVE storage areas at least monthly.
- 4.7 Inspect electric AVE, charging stations and single point watering stations to confirm connections are secure and free of leaks/spills at least monthly.

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CM 5.0 Material Storage Areas

Targeted Activities:

- Cargo Handling
- Chemical and Fuel Storage
- Painting and Stripping
- Equipment Storage
- Grounds Material Storage

Targeted Pollutants:

- | | |
|-----------------------|---------------------|
| ▪ Fuels/Oils/Grease | ▪ Deicing Chemicals |
| ▪ Miscellaneous Cargo | ▪ Battery Acid |
| ▪ Solvents | ▪ Paint |
| ▪ Soaps/Detergents | ▪ Pesticides |

Minimize Exposure

- 5.1 Clean exterior container surfaces by wiping down and removing excessive oil and grease build-up.
- 5.2 Material and waste storage:
 - 1. Reduce the amount of outdoor storage.
 - 2. Protect materials from rainfall, run-on, runoff, and wind dispersal.
- 5.3 Transfer materials in covered areas.
- 5.4 Limit inventory of materials stored on-site.
- 5.5 Transfer, use, and store liquid materials only in paved areas.
- 5.6 Secondary containment for stored materials:
 - 1. Materials stored outdoors or near exit doorways, no matter how temporary, shall be stored with secondary containment.
 - 2. Secondary containment shall be free of liquid and debris.
 - 3. Secondary containment shall be sized to contain the single largest item on the containment plus sufficient freeboard.
 - 4. Secondary containment shall be in good condition, free of cracks, holes, etc.

Good Housekeeping

- 5.7 Keep Safety Data Sheets (SDSs) for chemicals with potential stormwater exposure immediately accessible either in hard copy or on mobile electronic devices.
- 5.8 Store materials in their original containers or in compatible containers.
- 5.9 Container labeling:
 - 1. Clearly label containers with proper name of its contents.
 - 2. Identify unlabeled/unknown materials and dispose of properly.
- 5.10 Keep materials orderly and eliminate waste collection piles or “bone yards.”

Spill Prevention and Response Procedures

- 5.11 Conduct material transfers in areas where spills can be contained and easily cleaned.
- 5.12 Spill response materials must be in material storage areas and where transfers occur.

Inspections and Recordkeeping ¹

- 5.13 Inspect loading and transfer areas for surface damage/cracks at least monthly.
- 5.14 Inspect material and waste storage areas (containers and tanks) for evidence of corrosion and structural failure; spills, leaks and overfills; and piping system damage/deterioration at least monthly.
- 5.15 Facilities with an SPCC Plan, provide annual certification to Aviation confirming the SPCC Plan is up to date. ²
 - 1. If an SPCC Plan and/or Facility Response Plan is amended due to changes at the facility (i.e., administrative or technical), provide the plan to Aviation for reference.

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² For the purpose of reviewing compliance with the stormwater permit, the City of Phoenix does not verify compliance with regulations outside of the scope of the MSGP.

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CM 6.0 Airport Fuel Systems and Fueling Areas

Targeted Activities:

- Aircraft, Vehicle, and Equipment (AVE) Fueling
- Fuel Storage

Targeted Pollutants:

- Fuel

Minimize Exposure

- 6.1 Designate paved and contained areas to park mobile refueling equipment and vehicles, if possible.
- 6.2 Install fuel tank monitoring, release, and overfill prevention systems, per federal, state, county and city regulations.
 1. Equip fuel dispensing equipment with “breakaway” hose connections.
- 6.3 Post “Do Not Top Off” signs at vehicle fuel stations. Contact AVN-Stormwater@phoenix.gov for signage.
- 6.4 Prevent pollutant exposure when fueling or defueling.
 1. Cover or block nearby stormwater inlets and outlets to surface drains, when practical.
 2. Fuel equipment in designated areas.
 3. Permanently cover fueling areas, when feasible.

Maintenance

- 6.5 Maintain automatic shut-off mechanisms on fueling equipment.

Spill Prevention and Response Procedures

- 6.6 Label and maintain spill kits on fueling tankers and at fuel stations.
- 6.7 Collection of aircraft fuel samples.
 1. Use appropriate containers to take fuel samples.
 2. Dispose of samples at designated collection sites.

Employee/Contractor Training

- 6.8 Train employees performing fueling activities on response procedures for fuel spills.

Inspections and Recordkeeping ¹

- 6.9 Inspect fueling areas, fueling vehicles and equipment, and storage tanks at least monthly; weekly preferred.
- 6.10 Underground fuel storage tanks should be inspected and tested as required by federal, state, county, and city regulations.

¹ Retain documentation of inspection in accordance with CM 1.13 and conduct inspections in accordance with CM 1.14.

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CM 7.0 Building and Grounds Maintenance

Targeted Activities:

- Interior and Exterior Ground Surfaces Cleaning
- Landscape Maintenance
- Pesticide and Herbicide Application
- Fire-suppression System

Targeted Pollutants:

- Sediment
- Landscape Waste
- Fuel/Oil/Grease
- Pesticides, Herbicides, and Fertilizer
- Fire-fighting Foam

Minimize Exposure

7.1 Pesticide, herbicide, and fertilizer:

1. Minimize use of pesticides, herbicides, and fertilizers.
2. Apply according to manufacturer's directions.
3. Store and apply in accordance with Arizona Office of Pest Management, by a licensed applicator.

7.2 Prevent erosion (e.g., stabilizing landscaping, gravel)

Good Housekeeping

7.3 Exterior ground surfaces:

1. Maintain clean floors using dry methods (i.e., brooms, vacuums, etc.). If water is used, recover and dispose of properly.
2. Do not hose down or use cleaning products on outside work areas unless nearby stormwater inlets are blocked, and washwater is collected and properly disposed.
3. Dispose of washwater in an approved drain (i.e., wash rack, drain to the sanitary sewer).

7.4 Interior floor cleaning

1. Dispose of washwater in an approved drain (i.e., janitor's sink, toilet).

7.5 Properly dispose of litter, garbage, landscape waste, debris, and sediment.

Maintenance

7.6 Stormwater inlets and outfalls:

1. Regularly maintain/clean on-site stormwater inlets, control devices and outfalls.
2. Install and regularly maintain control devices such as filter fabric inserts, silt fences, filter socks/wattles/booms.

7.7 Sumps, grease traps, vent hoods and oil/water separators (OWSs):

1. Clean and maintain regularly to prevent overflow. Fill oil/water separator chambers with clean water after each cleaning.
2. Maintain in accordance with manufacturer specifications or as necessary for operations.
3. Comply with all federal, state, county, and city regulations and obtain all required permits.

7.8 Fire-sprinkler and fire suppression systems:

1. Email AVN-Stormwater@phoenix.gov prior to maintenance and testing.
2. Use environmentally responsible, non-fluorinated materials and methods for foam systems when allowed by fire code and approved by Planning and Environmental.
3. Follow all federal, state, county, and city regulations.
4. Filter all water from fire riser tests, deluge tests, water flow tests, and fire system draining activities before discharge to storm drain.
5. Make sure areas draining to stormwater inlets are free of oil, debris and sediment.
6. Recover, contain, and dispose of fire suppression and fire-fighting liquids at an approved licensed facility.

7.9 Fire Fighting Vehicle Maintenance

1. Conduct vehicle water testing in designated areas where there is minimal impact to stormwater inlets.
2. Make sure areas draining to stormwater inlets are free of oil, debris and sediment.

7.10 Email AVN-Stormwater@phoenix.gov prior to draining water in fire sprinkler or fire suppression systems or building fire risers.

CM 7.0 Building and Grounds Maintenance

Spill Prevention and Response Procedures

7.11 Accidental and Emergency Release of Foam

1. Close hangar door and contain inside the hangar allowing material to drain into containment tank.
2. Report spills and emergency releases to the Communications Center by calling (602) 273-3311.
3. For releases to the outside of hangar, immediately place a mat(s) over the storm drains prevent the foam from entering.
4. Vacuum sweep area. If the area appears dry, apply water to collect the foam discharge.
5. Discharge vacuum sweeper contents and decontamination water into the containment tank.
6. Pump and properly dispose of foam using a qualified contractor. Dispose of Aqueous Film Forming Foam (AFFF) at a Resource Conservation and Recovery Act (RCRA) Hazardous Waste Landfill.

7.12 Fire Fighting Vehicles and Firefighting Material Use and Clean Up

1. Water
 - a. Protect stormwater inlets from pollutants the water may encounter.
2. Class A - Structural Foam
 - a. Protect stormwater inlets with spill booms from pollutants.
 - b. Vacuum sweep the area. If the area appears dry, apply water to collect the foam discharge.
 - c. Collected fluids can be discharged into an OWS.
 - d. Decontaminate equipment into OWS.
3. Class B - AFFF
 - a. Use granular absorbent and mats to prevent pollutants from entering stormwater inlets.
 - b. Emergency responder to collect foam, sweep up dry foam and add water to clean pavement.
 - c. Vacuum sweeper required to collect foam, add water to sweep up dry foam.
 - d. Dispose of vacuum sweeper contents in a designated, labeled container.
 - e. Rinse vacuum sweeper and place rinsate in a designated, labeled container.
 - f. Dispose of collected fluids at a RCRA Hazardous Waste Landfill
4. Purple K - Dry Chemical added to Class A foam (from a Vehicle).
 - a. Protect stormwater inlets with spill booms from pollutants.
 - b. Vacuum sweep the area. If the area appears dry, apply water to collect the foam discharge.
 - c. Collected fluids can be discharged into an OWS.
 - d. Decontaminate equipment into OWS.
5. Purple K - Dry Chemical added to Class B foam (from a Fire Extinguisher).
 - a. Use spill booms and mats to prevent pollutants from entering stormwater inlets.
 - b. Vacuum sweeper required to collect foam, add water to sweep up dry foam.
 - c. Dispose of vacuum sweeper contents in a designated, labeled container.
 - d. Rinse vacuum sweeper and place rinsate in a designated, labeled container.
 - e. Dispose of collected fluids at a RCRA Hazardous Waste Landfill
6. Halogen Dry Chemical
 - a. Vacuum sweep the area. If the area appears dry, apply water to collect the foam discharge.
 - b. Collected fluids can be discharged into an OWS.
 - c. Decontaminate equipment into OWS.

CM 7.0 Building and Grounds Maintenance

Inspections and Recordkeeping ¹

7.13 Inspect stormwater inlets

7.14 Inspect sumps, OWSs, and grease traps.

7.15 Inspect fire sprinkler and fire suppression system and collection sumps. Inspect fire and smoke detectors and actuators for proper operation and protect from weather, pipe breaks, electrical shorts or other sources of false activations.

7.16 Inspect pesticide, herbicide and fertilizer storage areas.

7.17 Maintain record of Arizona Office of Pest Management license.

7.18 Maintain records of all repairs and maintenance of fire suppression systems, OWSs, and grease traps.

7.19 Maintain records of proper recovery, containment, and disposal of fire suppression liquids at an approved licensed facility.

¹ Retain documentation of inspection in accordance with CM 1.13 and conduct inspections in accordance with CM 1.14.

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CM 8.0 Recycling, Waste Handling and Disposal

Targeted Activities:

- Garbage Handling and Disposal
- Recyclable Handling and Disposal
- Universal Waste Handling and Disposal
- Regulated Waste Handling and Disposal

Targeted Pollutants:

- Fuels/Oils/Grease
- Garbage
- Floatable Debris
- Battery Acid
- Paint
- Solvents
- Regulated Waste

Minimize Exposure

8.1 Reduce, reuse, and recycle:

1. When possible, recycle, reclaim, and/or reuse materials.
2. Potential recyclable materials include:

- Used oil/grease
- Brake/transmission hydraulic fluid
- Antifreeze and deicing fluid
- Automotive and aircraft batteries
- Washwater
- Used vehicle tires
- Empty oil filters
- Sump fuel
- Empty aerosol cans

8.2 Used battery management:¹

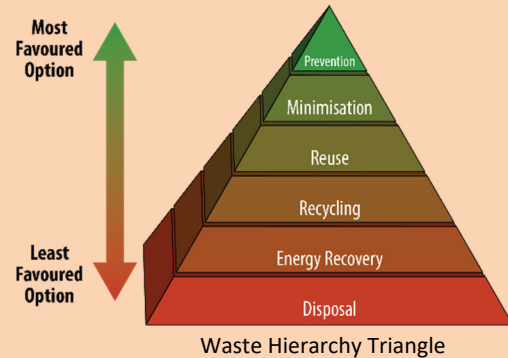
1. Store used batteries indoors or under cover on secondary containment.

8.3 Used oil containers and filters:

1. Drain used oil filters before recycling or disposing.
2. Store closed containers of drained filters indoors or under cover with secondary containment.

8.4 Label waste per regulations (hazardous, universal, such as, used batteries and used oil).

8.5 Clean dumpsters in designated wash locations that are connected to oil/water separators (OWSs) that discharge to the sanitary sewer.



Good Housekeeping

8.6 Provide an adequate number of trash receptacles throughout the facility.

8.7 Regulated waste

1. Properly dispose of regulated waste according to all federal, state, county, and city regulations.¹

8.8 Garbage and non-regulated waste material:

1. Properly dispose of non-regulated waste according to all federal, state, county, and city regulations.
2. Schedule waste collection services regularly to prevent excess accumulation.

8.9 Garbage collection storage:

1. Provide lids for trash receptacles or maintain under cover (i.e., dumpsters, trash cans, etc.).
2. Keep dumpster lids closed.
3. Dumpster drain holes must have plugs.
4. Do not dispose of liquids or regulated materials in solid waste dumpsters.
5. Keep the garbage collection storage areas clean and free of litter, un-contained garbage, and floatable debris.

Employee Training

8.10 Regulated and universal waste management training:¹

1. Train employees on the proper disposal procedures for all wastes.

CM 8.0 Recycling, Waste Handling and Disposal

Inspections and Recordkeeping ²

8.11 Inspect waste storage areas, at least monthly.

8.12 Maintain records of regulated waste disposal in accordance with federal, state, county, and city regulations.¹

¹ For the purpose of reviewing compliance with the stormwater permit, the City of Phoenix does not verify compliance with regulations outside of the scope of the MSGP.

² Retain documentation of inspection in accordance with CM 1.13 and conduct inspections in accordance with CM 1.14.

CM 9.0 Lavatory and Potable Water Service

Targeted Activities:

- Lavatory Operations and Maintenance
- Potable Water Operation and Maintenance

Targeted Pollutants

- Lavatory Waste
- Deodorizer
- Sediment
- Fuels/Oils/Grease
- Disinfectants

Minimize Exposure

- 9.1 Conduct lavatory and aircraft potable water tank activities away from stormwater inlets.
- 9.2 Aircraft lavatory servicing:
1. Use only approved disinfectants.
 2. Properly secure hoses, valves and equipment when transporting and transferring waste.
 3. Use buckets and/or drip pans to capture leaks from aircraft lavatory access fittings.
 4. Completely drain the aircraft connecting hose after servicing an aircraft.
 5. Discharge lavatory waste to approved location only (i.e., triturator, sanitary sewer).
 6. Secure caps on cart hose connections when not in use.
 7. Empty lavatory cart regularly to prevent overflow.
- 9.3 Aircraft potable water tank servicing:
1. Perform operations away from stormwater inlets.
 2. Collect maintenance disinfection liquids from aircraft potable water tanks and properly discharge to a sanitary sewer.
- 9.4 Potable water cabinet servicing:
1. When flushing the potable water line, make sure that the potable water does not encounter grease, fuel, chemicals, or sediment during discharge. If possible, divert potable water away from stormwater inlets.

Maintenance

- 9.5 Lavatory service equipment:
1. Maintain equipment in good working order. Replace worn equipment before leaks develop.
 2. Notify owner of lavatory equipment or appropriate ground service personnel when maintenance is required.

Spill Prevention and Response Procedures

- 9.6 Provide and maintain spill kits on lavatory service vehicles.
- 9.7 Do not hose down spills.

Inspections and Recordkeeping ¹

- 9.8 Lavatory service equipment inspections:
1. Inspect integrity of hoses and fittings for transferring lavatory fluids.

¹ Retain documentation of inspection in accordance with CM 1.13 and conduct inspections in accordance with CM 1.14.

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CM 10.0 Facility Construction/Renovation

Targeted Activities:

- Facility Improvements
- New Construction
- Significant Renovation

Targeted Pollutants:

- Fuels/Oils/Grease
- Floatable Debris
- Soaps/Detergents
- Paint
- Solvents
- Sediment

Minimize Exposure

- 10.1 Prior to final design, contact your Business & Properties Liaison to obtain project approval for the Tenant Improvement (TI) program. Refer to TI Handbook and AVN Design Manual.
- 10.2 Facility design:
1. Provide indoor or covered areas for industrial activities.
 2. Provide impervious surfaces for outdoor industrial activity areas.
 3. Design outdoor industrial activity areas to prevent run-on and runoff.
 4. Incorporate structural control measures such as oil/water separators or detention basins, as needed.
- 10.3 Fire suppression system design
1. Submit design of fire suppression system through the TI process.
 2. Select environmentally responsible methods and non-fluorinated materials, as approved by Planning & Environmental and where allowable by fire code and federal, state, county, and city regulations.
 3. Design to implement containment for collection and proper disposal of fire suppression liquids.
- 10.4 Comply with all federal, state, county, and city regulations and obtain all required permits.

Management of Runoff

- 10.5 Design for infiltration, reuse, containment, and/or reduction of impacted runoff.
- 10.6 Implement best management practices outlined in project specific Arizona Pollutant Discharge Elimination System Construction General Permit (CGP) SWPPP for project areas greater than 1 acre.

Dust Generation and Vehicle Tracking of Industrial Materials

- 10.7 Comply with Maricopa County dust control regulations Rule 310 and Rule 316. Obtain permit coverage if project disturbed area is greater than 0.10 acre.

Training

- 10.8 Provide contractors and subcontractors with relevant CMs during design, bidding, and after contract awarded.

Inspections and Recordkeeping ¹

- 10.9 Obtain required permits as outlined in the TI handbook prior to construction.
- 10.10 Maintain copies or records for projects as required by applicable permits and Aviation.
- 10.11 Inspect infrastructure at construction milestones for illicit or cross connections and correct.

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CM 11.0 Aircraft Deicing

Targeted Activities:

- Aircraft Deicing and Anti-icing

Targeted Pollutants:

- Deicing Chemicals

Minimize Exposure

- 11.1 Consider using alternative methods to chemicals (i.e., hot water, moving aircraft into the sun, aircraft covers, etc.).
- 11.2 Apply the minimum required amount of deicing chemicals, when possible.
- 11.3 Conduct deicing in designated areas only. Special circumstances require written approval. Email AVN-Stormwater@phoenix.gov before event.

Good Housekeeping

- 11.4 Deicing Event:
 1. Arrange for company's vacuum scrubber to be present before deicing operation begins.
 2. Clean ramp after each deicing operation using a vacuum scrubber.
 3. During rain events, begin deicing operation only after vacuum scrubber has arrived and is operating.
- 11.5 Collect fluids and dispose or recycle in accordance with federal, state, county, and city regulations.

Spill Prevention and Response Procedures

- 11.6 Maintain appropriate spill response materials for glycol spills.
- 11.7 Place glycol spill booms around the deicing operations area or around stormwater inlets during rain events.

Maintenance

- 11.8 Deicing equipment maintenance:
 1. Perform maintenance away from stormwater inlets. If not possible, cover or block nearby stormwater inlets.

Inspections and Recordkeeping

- 11.9 Perform monthly deicing inspections during the deicing season, November through February:
 1. Perform inspection of deicing chemical storage areas and equipment.
 2. Perform during a deicing event (either self-performed or by Aviation), if applicable.
 3. Include photos.
- 11.10 Report deicing fluid quantities to Aviation monthly.
- 11.11 Report each deicing event to the Stormwater Pollution Prevention Deicing Hotline at 602-8-GLYCOL (602-845-9265) and provide:
 - Name
 - Company/Airline
 - Location of deicing/anti-icing event (i.e., terminal and gate number)
 - Aircraft tail number
 - Time of deicing/anti-icing event
 - Phone number

¹ Retain documentation of inspection in accordance with CM 1.13 and conduct inspections in accordance with CM 1.14.

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