MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
INDUSTRIAL STORMWATER PERMITS
STORMWATER POLLUTION PREVENTION PLAN TEMPLATE

Instructions

This Stormwater Pollution Prevention Plan (SWPPP) template is a resource to help regulated industrial stormwater facilities comply with the conditions found in the Missouri State Operating Permit (MSOP). This template may be utilized by facilities permitted under the authorization of a general or site specific MSOP. This template is not to be used by facilities operating under the Land Disturbance, MORA0000 permit.

Prior to completing this SWPPP template, you should read and understand your MSOP requirements. Though many operating permits have similar requirements, they are not all the same. The various general stormwater permits, as well as site-specific permits, are available for review at dnr.mo.gov/env/wpp/permits/index.html.

Each MSOP sets forth timeframes in which a permittee is required to develop and implement a SWPPP, depending on whether the facility is newly permitted or receiving a renewed operating permit.

Each section of the SWPPP template includes space for your facility's specific information. The SWPPP template is an editable document file so that you can easily add tables and additional text, and delete unneeded fields. Note that some sections may require only a brief description while others may require a more in-depth explanation.

The following tips will help you meet the minimum permit requirements:

- Read the MSOP thoroughly before you begin preparing your SWPPP to ensure that you understand the permit's underlying requirements.
- If you prepared a SWPPP under a previous version of the MSOP, you must carefully evaluate your SWPPP to ensure that the newest requirements are addressed within the timeframe established in the permit.
- If there is more than one regulated entity at the facility, consider coordinating your SWPPP with the other operators.
- Include your MSOP and most recent permit application as attachments to the SWPPP.

The department has made every effort to develop a plan template that should meet most MSOP minimum requirements. However, it is the permit that establishes the requirements, not the SWPPP template. Therefore, if the SWPPP template conflicts with any provision of the permit, the permit requirement prevails.

The SWPPP must be kept on site, readily available upon request and should not be sent to the department unless specifically requested or as required per permit conditions.

Stormwater Pollution Prevention Plan
(SWPPP)

Lee's Summit Flex Space
60 SE Thompson Drive, Lee's Summit MO
816-609-8633

MISSOURI STATE OPERATING PERMIT
MORA26257

Initial SWPPP Preparation Date

3/28/2024

SWPPP Revisions

Summary of Changes:	Date:	By:
Issued for Construction	3/28/2024	PJJ
Click or tap here to enter text.	Click or tap to enter a date.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap to enter a date.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap to enter a date.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap to enter a date.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap to enter a date.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap to enter a date.	Click or tap here to enter text.

CONTENTS

(*Add appropriate page numbers once the SWPPP has been completed.***)**

1.0 INTRODUCTION

1.1 Purpose

Development, implementation, and maintenance of the Stormwater Pollution Prevention Plan (SWPPP) will provide the facility owners/operators with the tools to reduce pollutants contained in stormwater discharges and comply with the requirements of the Missouri State Operating Permit issued by the Missouri Department of Natural Resources (Permit No.Enter Permit Number.). The primary purpose of the SWPPP will be to:

- Identify potential sources of pollutants that affect stormwater discharges from Enter Facility Name..
- Describe the best management practices that will be implemented to prevent or control releases of pollutants in stormwater discharges.
- Create an inspection schedule to ensure that the practices described in this SWPPP are implemented and to evaluate the plan's effectiveness in reducing the pollutant levels in stormwater discharges.

1.2 SWPPP Revisions

The facility must revise this SWPPP under the following conditions: (1) whenever there is a change in the facility design, construction, operation or maintenance that affects the facility's potential sources of pollutants that may impact storm water discharges; (2) whenever an inspection by a local, state, or federal official determines that modifications to the SWPPP are necessary; (3) whenever a spill, leak or other release occurs at the facility; (4) upon renewal of the operating permit; (5) if the plan proves to be ineffective in eliminating or significantly minimizing pollutants identified in the permit either as benchmark or discharge limitations; or, as required per the specific permit SWPPP conditions.

Revisions must occur as soon as possible, but no later than 30 days after the change occurs or 30 days after reissuance of the permit. The SWPPP coordinator is responsible for initiating and coordinating such revisions.

2.0 FACILITY DESCRIPTION

2.1 Facility Information

Facility
Name: Lee's Summit Flex Space
Address: 60 SE Thompson Drive
City/State/Zip: Lee's Summit MO
County: Jackson
Telephone: 816-609-8633
Email: Matt@capitalbuilderskc.com
Permit #: MORA26257
Primary Industrial Activity SIC code: Industrial Warehouse

Latitude/ Longitude:
Main Entrance: Latitude: 38.895361 Longitude: -94.372633
UTM Easting: See Latitude UTM Northing: See Longitude
Outfall Location(s): East side of property
Outfall 001: Latitude/Easting:38.895361 Longitude/Northing:-94.372633
Outfall___: Latitude/Easting:___. Longitude/Northing:___
Outfall __: Latitude/Easting:___ Longitude/Northing:___
Outfall___: Latitude/Easting:___ Longitude/Northing:___
Is the facility considered a Federal Facility?
Yes☐ No☒

If yes, provide name and contact information for the agency responsible for operations:
NA

Discharge / Receiving Stream Information

Estimated area (in acres) of industrial activity at the site that is exposed to stormwater? Exclude areas with no industrial activity and no stormwater discharges, such as landscaped areas, employee parking and office buildings.
1.7 **acres**

Does this facility discharge stormwater into a Municipal Separate Storm Sewer System (MS4)?
Yes☐ No☒

If yes, provide name and contact information of MS4 operator:
NA
Name(s) of surface water(s) that receive stormwater from the facility:
Big Creek

Does this facility discharge industrial stormwater directly into any segment of a Metropolitan No Discharge Stream? Note: Discharge to metropolitan no-discharge streams is prohibited, except as specifically permitted under the Water Quality Standards 10 CSR 20-7.031 and non-contaminated storm water flows. Metropolitan No Discharge Streams can be found in Table F of 10 CSR 20-7.031 Water Quality Standard.

Yes☐ No☒

Does this facility discharge industrial stormwater directly into any segment of an Outstanding National Resource Water or Outstanding State Resource Water as listed in Tables D and E of 10 CSR 20-7.031Water Quality Standards? Note: Discharge to these streams is restricted/limited per 10 CSR 20-7.015 (6).

Yes☐ No☒

Does this facility discharge industrial stormwater directly into any segment of an Impaired Water? Impaired Water listings can be found at dnr.mo.gov/env/wpp/waterquality/303d/.

Yes☐ No☒

If yes, complete the following:

- Name of impaired water(s) and segments(s):NA
- Pollutant(s):NA
- Identified pollutants(s) may discharge from the facility: NA
- Has a Total Maximum Daily Load been completed for any of the identified pollutant(s)?

  Yes☐ No☒

  If yes, provide a list of the pollutants? NA

2.2 Facility Contact Information

Facility Owners
Name: Anaconda LLC
Address: 1507 NE Wall St
City/State/Zip: Lee's Summit, MO 64086
Telephone: 816-609-8633

Facility Operators
Name: Capital Builders
Address: 1507 NE Wall St
City/State/Zip: Lee's Summit, MO 64086
Telephone: 816-609-8633
Cell: 816-609-8633
Email: matt@capitalbuilderskc.com

SWPPP Contact

Primary Contact
Name: Click or tap here to enter text.
Title: Click or tap here to enter text.
Telephone: Click or tap here to enter text.
Email: Click or tap here to enter text.

Secondary Contact(s)
Name: Click or tap here to enter text.
Title: Click or tap here to enter text.
Telephone: Click or tap here to enter text.
Email: Click or tap here to enter text.
Name: Click or tap here to enter text.
Title: Click or tap here to enter text.
Telephone: Click or tap here to enter text.
Email: Click or tap here to enter text.

2.3 SWPPP Team Members

This section identifies staff members and their respective roles in the implementation, management and maintenance of this SWPPP.

SWPPP Coordinator: Matt Hendrickson
Responsibilities:

- Implement the SWPPP.
- Oversee maintenance practices identified as BMPs in the SWPPP.
- Implement and oversee employee training and records management.
- Identify any deficiencies in the SWPPP and make sure they are corrected.
- Maintain reports and records.
- Ensure that any changes in facility operation are addressed in the SWPPP.
- Click or tap here to enter text.
- Click or tap here to enter text.
- Click or tap here to enter text.
- Click or tap here to enter text.
- Click or tap here to enter text.

Staff: TBD
Responsibilities:

- Assist SWPPP coordinator with implementing the SWPPP.
- Responsible for routine maintenance and applicable BMPs.
- Ensure that all housekeeping and monitoring procedures are implemented.
- Conduct monthly SWPPP inspections and update records.
- Click or tap here to enter text.
- Click or tap here to enter text.
- Click or tap here to enter text.
- Click or tap here to enter text.
- Click or tap here to enter text.

2.4 Site Description and Activities

This is an office/warehouse flex space located in Lee's Summit MO. The project includes 16 office/warehouse flex spaces, asphalt parking lot, entrance on SE Thompson Drive, entrance on SE Decker and a water main extension line.

2.5 General Location Map

Appendix A includes a copy of the facility location map.

2.6 Site Map

Appendix B includes a copy of the facility site map, which provides the following items. Check boxes when completed

- ☒ Location of permitted outfall(s);
- ☐ Location of additional sampling points;
- ☒ Stormwater drainage area and flow direction for each water outfall;
- ☐ BMPs to reduce pollutants in stormwater, (e.g., vegetative buffer, secondary containments, spill prevention equipment, etc.);
- ☒ Location of all stormwater conveyances including; storm drain inlets, ditches, pipes, and swales, when applicable;
- ☐ Location of activities of potential stormwater contamination sources including but not limited to non-stormwater discharges, material loading/unloading/storage areas, hazardous substances, maintenance operations, solid waste storage areas, vehicle maintenance (including washing)and fueling areas;

3.0 IDENTIFICATION OF STORMWATER CONTAMINATION SOURCES

This section identifies significant materials located at the site that have the potential to contaminate stormwater. Additionally, this section presents a record of past spills and leaks, identifies areas for potential stormwater contamination, and summarizes available stormwater sampling data.

3.1 Material Inventory

Materials used by the facility that have the potential to be present in stormwater runoff are listed in the table below.

Industrial Activities *(Describe activity)*	**Trade Name or Description of Potential Pollutants**	**Estimated Amount Used Annually (gal/lbs)**
Example: Vehicle fueling operation	*Diesel Fuel*	*6,000 gal*
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.

Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.

3.2 Locations of Potential Stormwater Contamination

Locations of potential stormwater contamination and sources are listed in the table below.

Potential Stormwater Contamination Point	Potential Source	Area of Potential to Impact	Potential Problem
Example 6,000 gallon gasoline tank	*Gasoline*	*Inside secondary containment, parking lot, receiving waterbody*	*Breach in the secondary containment, outlet valve left open, poor tank or secondary containment condition.*
Grading Activities	Site Development/ Construction	Entire Site	Erosion on adjacent drainage swale
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.

3.3 Historical Spills and Leaks Record

Any emergency involving a hazardous substance must be reported to the Department's 24-hour Environmental Emergency Response hotline at (573) 634-2436 at the earliest practicable moment after discovery. The Department may require the submittal of a written report detailing measures taken to clean up a spill. These reporting requirements apply when the spill results in chemicals or materials leaving the permitted property or reaching waters of the state. This requirement is in addition to the noncompliance reporting requirement found in Standard Conditions Part I. Underground and above

ground storage devices for petroleum products, vegetable oils and animal fats are subject to control under SPCC and are expected to be managed under those provisions. Substances regulated by federal law under the Resource Conservation and Recovery Act (RCRA) or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) which are transported, stored, or used for maintenance, cleaning or repair shall be managed according to the provisions of RCRA and CERCLA.

Records of each reportable spill shall be retained for a minimum of 5 years or as required per applicable regulation. Such reports must include the type of material spilled, volume, date of spill, date clean-up was completed, clean-up method, and final disposal method. Record of historical spills and leaks may be stored with the Spill Prevention Control and Countermeasures (SPCC) plan if applicable.

Provide a brief overview of reportable spills in the table below. Specific details, including abatement actions, should be documented in a separate written report to be saved with the SWPPP.

Date	Description	Outfall
Click to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.
Click to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.
Click to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.
Click to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.
Click to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.

3.4 Unauthorized Non-stormwater Discharges

The permittee must evaluate for the presence of unauthorized non-stormwater discharges at the site. The evaluation must include, the date of evaluation, description of the evaluation criteria, list of drainage (outfall) points and actions taken to eliminate the discharge. (Continued on next page.)

Date	Description	Outfall	Actions
Example 1/1/2019	*Evaluation of Vehicle Wash Area*	*N/A*	*Connection made with local municipality utility for sewer service.*
Click or tap to enter a date.	Click or tap here to enter text.	Click to enter text.	Click or tap here to enter text.
Click to enter a date.	Click or tap here to enter text.	Click to enter text.	Click or tap here to enter text.

Click to enter a date.	Click or tap here to enter text.	Click to enter text.	Click or tap here to enter text.
Click to enter a date.	Click or tap here to enter text.	Click to enter text.	Click or tap here to enter text.

3.5 Summary of Available Stormwater Sampling Data

If samples have been collected to confirm compliance with benchmarks/effluent limitations, sample results shall be stored with this SWPPP. List of sampling events:

Date	**Outfall/Sample Location**	**Result; Benchmark Exceedance (Y/N)**	**Parameter**	**Corrective Action Date and Detail**
EX 1/1/2019	*Outfall 001*	*210 mg/L; Y*	*Total Suspended Solids*	*1/15/2019 – installed new sedimentation sock*
Click or tap to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.

4.0 STORMWATER CONTROL MEASURES

4.1 Best Management Practices Analysis and Implementation

This SWPPP requires an Alternative Analysis of the BMPs be developed, implemented and maintained at the facility. The Alternative Analysis is a structured evaluation of BMPs that are reasonable and cost effective. The analysis should include practices that are designed to be: 1) non-degrading to water quality; 2) less degrading to water quality; or, 3) degrading to water quality. The chosen BMP will be the most reasonable and cost effective, while ensuring that the highest statutory and regulatory requirements are achieved and the highest quality water attainable for the facility is discharged. The analysis must demonstrate why "no discharge" or "no exposure" are not feasible alternatives. This selection and documentation of appropriate control measures shall serve as an alternative analysis of technology and fulfill the requirements of Antidegradation [10 CSR 20-7.031(3) and 10 CSR 20-7.015(9)(A)5.]. Existing facilities with established SWPPPs and BMPs need not conduct an additional alternatives analysis unless new BMPs are established to address benchmark exceedances.

BMPs shall be selected, installed, used, operated and maintained in accordance with the concepts and methods described in "Developing Your Stormwater Pollution Prevention Plan, a Guide for Industrial Operators" published by the U.S. Environmental Protection Agency, June 2015. epa.gov/npdes/industrial-stormwater-guidance
The BMPs related to stormwater protection include:

Installing silt fence around the disturbed area
Installing gravel curb inlet traps
Installing gravel area inlet traps

4.2 Good Housekeeping

This SWPPP requires that the facility provide good housekeeping practices on-site.
The following good housingkeeping practices will be followed onsite during the construction project:
• Contractor to follow APWA Section 2150 Erosion and Sediment Control

4.3 Waste, Garbage and Floatable Debris

This SWPPP requires that the facility discharges, including stormwater, do not contain floating solids or visible foam and that materials are not transported off-site or into a water of the state during high water events.
Product Specific Practice: The following product specific practices will be followed onsite:
• Contractor to follow APWA Section 2150 Erosion and Sediment Control

4.4 Dust Generation and Vehicle Track-out

Temporary Construction Entrance:
• Install temporary construction entrance and temporary concrete washout per APWA Standard Drawing Number ESC-01.

Maintenance Requirements
• Where sediment has been tracked-out from your site onto the surface of off-site streets, other paved areas, and sidewalks, Contractor must remove the deposited sediment by the end of the same workday in which the track-out occurs or by the end of the next workday if track-out occurs on a non-workday. Contractor must

remove the track-out by sweeping, shoveling, or vacuuming these surfaces, or by using other similarly effective means of sediment removal. Contractor is prohibited from hosing or sweeping tracked-out sediment into any stormwater conveyance (unless it is connected to a sediment basin, sediment trap, or similarly effective control), storm drain inlet, or surface water.
Manage stockpiles or land clearing debris piles composed, in whole or in part, of sediment and/or soil:
• Locate the piles outside of any natural buffers and away from any stormwater conveyances, drain inlets, and areas where stormwater flow is concentrated.
• Install a sediment barrier along all downgradient perimeter areas.
• For piles that will be unused for 14 or more days, provide cover or appropriate temporary stabilization.
• You are prohibited from hosing down or sweeping soil or sediment accumulated on pavement or other impervious surfaces into any stormwater conveyance, storm drain inlet, or water of the U.S.

Minimize Dust:
• In order to avoid pollutants from being discharged into surface waters, Contractor shall, to the extent feasible, minimize generation of dust.
• Apply water and/or use of other dust suppression techniques.
Continue the use of dust control methods throughout construction.

4.5 Material Storage

To prevent the commingling of stormwater with container contents, store all paints, solvents, petroleum products, petroleum waste products and storage containers (e.g., drums, cans or cartons) so they are not exposed to stormwater. Other prescribed BMPs include providing plastic lids and/or portable spill pans. Commingled water may not be discharged under this permit. Provide spill prevention, control and countermeasures to prevent these pollutants from entering waters of the state. Any containment system implemented to fulfill this requirement shall be constructed of materials compatible with the substances contained and shall prevent the contamination of groundwater.
Proper material use, storage, waste disposal, and training of employees and subcontractors can prevent or reduce the discharge of hazardous and toxic wastes to stormwater. Implement a comprehensive set of waste-management
practices for hazardous or toxic materials, such as paints, solvents, petroleum products, pesticides, wood preservatives, acids, roofing tar, and other materials. Practices should include storage, handling, inventory, and cleanup procedures, in case of spills.

Additional BMPs:
• Designate trash and bulk waste-collection areas on site and away from streets, gutters, water courses and storm drains
• Provide restroom facilities on site.
• Designate hazardous waste collection areas.
• Do not store hazardous chemicals, drums, or bagged materials directly on the ground. Place these items on the pallet and under cover in secondary containment.
• Do not store incompatible materials, such as chlorine and ammonia in the same temporary containment facility.

4.6 Maintenance

This SWPPP requires that the facility minimize potential for stormwater exposure to leaking or leak-prone vehicles/equipment.

Performing equipment/vehicle fueling and maintenance at an off-site facility is preferred over performing these activities on the site, particularly for road vehicles (e.g., trucks, vans). For grading and excavating equipment, this is usually not possible or desirable. Create an on-site fueling and maintenance area that is clean and dry. The on-site fueling area should have a spill kit, and staff should know how to use it. If possible, conduct vehicle fueling and maintenance activities in a covered area; outdoor vehicle fueling, and maintenance is a potentially significant source of stormwater pollution. Significant maintenance on vehicles and equipment should be conducted off-site.
Specific Pollution Prevention Practices:
• Clearly designate vehicle and equipment service areas.
Washing of Equipment and Vehicles:
• Environmentally friendly washing practices can be practiced at every construction site to prevent contamination of surface and ground water from wash water. Procedures and practices include using off-site facilities; washing in designated, contained areas only; eliminating discharges to the storm drain by infiltrating the wash water or routing to the sanitary sewer; and training employees and subcontractors in proper cleaning procedures.
• Clearly mark washing area.

4.7 Stormwater Treatment

Construction Dewatering Requirements
• Comply with the following requirements to minimize the discharge of pollutants in ground water or accumulated stormwater that is removed from excavations, trenches, foundations, vaults, or other similar points of accumulation
• Treat dewatering discharges with controls to minimize discharges of pollutants.
• Do not discharge visible floating solids or foam.
• Use an oil-water separator or suitable filtration device (such as a cartridge filter) that is designed to remove oil, grease, or other products if dewatering water is found to contain these materials.
• To the extent feasible, use vegetated, upland areas of the site to infiltrate dewatering water before discharge. You are prohibited from using waters of the U.S. as part of the treatment area.
• With backwash water, either haul it away for disposal or return it to the beginning of the treatment process; and
• Replace and clean the filter media used in dewatering devices when the pressure differential equals or exceeds the manufacturer’s specifications.

4.8 Spill Prevention and Response

This SWPPP requires that a detailed plan be in place in the event of a release or spill of a hazardous substance.

Spill Control Practices: In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup:
• Manufacturers' recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
• Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite. Equipment and materials will include but not be limited to brooms, dustpans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose.
• All spills will be cleaned up immediately after discovery.
• The spill area will be kept well ventilated, and personnel will wear appropriate protective.
• Clothing to prevent injury from contact with a hazardous substance.
• Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of the size.

• The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.
• The site superintendent responsible for the day-to-day site operations, will be the spill prevention and cleanup coordinator. He will designate at least one other site personnel who will receive spill prevention and cleanup training. This individual will become responsible for a particular phase of prevention and cleanup. The name of the responsible spill personnel will be posted in the material storage area and in the office trailer onsite.

4.9 Erosion/Sediment Controls and Runoff

This SWPPP requires that sediment and erosion control are provided to prevent sediment migration off of the property.

Perimeter Controls
• A singular silt fence will be installed which consists of a length of filter fabric stretched between anchoring posts spaced at regular intervals along the rest of the disturbed area. Remove sediment before it has accumulated to one-half of the above-ground height of the silt fence.

Storm Drain Inlets
• Protect storm drain inlets. Install inlet protection measures that remove sediment from discharges prior to entry into any storm drain inlet that carries stormwater flow from your site to a water of the U.S., provided you have authority to access the storm drain inlet, and clean, or remove and replace, the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Where there is evidence of sediment accumulation adjacent to the inlet protection measure, remove the deposited sediment by the end of the same business day in which it is found or by the end of the following business day if removal by the same business day is not feasible.

Storm Drain Inlet Control (APWA ESC-06)
• Excavation around the perimeter of the drop inlet: Excavating a small area around an inlet creates a settling pool that removes sediments as water is released slowly into the inlet through small holes protected by gravel and filter fabric.
• Fabric barriers around inlet entrances: Erecting a barrier made of porous fabric around an inlet creates a shield against sediment while allowing water to flow into the drain. This barrier slows runoff while catching soil and other debris at the drain inlet.
• Block and gravel protection: Standard concrete blocks and gravel can be used to form a barrier to sediments that permits water runoff to flow through select blocks laid sideways.

Temporary Rock Ditch Check (ESC-10)
• A rock ditch check should extend from bank to bank, with a center lower than the banks, to create a new weir. The center of the ditch should not be more than 24 inches high and should be at least 6 inches lower than the rock ditch edges
• Place rock ditches at regular intervals so that the base of the upstream ditch is at the same elevation as the top of the downstream ditch.

Seeding and Mulching (SM)
• This control measure is required upon completion of an area as noted in the sequence of construction for final stabilization or 14 days after denuded areas are inactive, to stabilize soil and prevent surface erosion.

4.10 Stormwater Benchmark Evaluation

This SWPPP requires that a provision be developed for evaluating benchmarks in the permit.
All erosion control measures should be installed and examined per Lee's Summit standards.

4.11 Authorized Non-Stormwater Discharges

The operating permit identifies certain allowable non-stormwater discharges that may vary based on permit type. The permit may contain additional requirements for these discharges. Non-stormwater discharges not specifically identified in the permit are not authorized for discharge.

No.	Type of Allowable Non-Stormwater Discharge	Likely to be Present	Pollution Prevention Measures
1.	Click or tap here to enter text.	☐ Yes ☐ No	Click or tap here to enter text.
2.	Click or tap here to enter text.	☐ Yes ☐ No	Click or tap here to enter text.
3.	Click or tap here to enter text.	☐ Yes ☐ No	Click or tap here to enter text.
4.	Click or tap here to enter text.	☐ Yes ☐ No	Click or tap here to enter text.
7.	Click or tap here to enter text.	☐ Yes ☐ No	Click or tap here to enter text.
8.	Click or tap here to enter text.	☐ Yes ☐ No	Click or tap here to enter text.
9.	Click or tap here to enter text.	☐ Yes ☐ No	Click or tap here to enter text.
10.	Click or tap here to enter text.	☐ Yes ☐ No	Click or tap here to enter text.

5.0 EMPLOYEE TRAINING

This SWPPP requires a provision for providing training to all personnel involved in material handling, material storage and housekeeping of areas having materials exposed to stormwater. Proof of training must be made available to the department upon request. A training log template is located and should be retained in Appendix D of this SWPPP. Training should include, at minimum: SWPPP overview, spill response procedures, housekeeping, maintenance requirements and material management practices, as well as any specific criteria established in the permit.

Employees should be trained and educated as part of good housekeeping and pollution prevention on a construction site.
• Instruct employees and subcontractors about identification of solid waste and hazardous waste.
• Educate employees and subcontractors about solid waste storage and disposal procedures.
• Hold regular meetings to discuss and reinforce disposal procedures. incorporate procedures into regular safety meetings.
• Require employees and subcontractors follow solid waste handling and storage procedures. Prohibit littering by employees, subcontractors, and visitors.
• Minimize production of solid waste materials wherever possible.

6.0 SCHEDULE AND PROCEDURES FOR MONITORING

There may be specific monitoring requirements established by the MSOP. These requirements may be in addition to any required SWPPP inspections.
N/A

7.0 INSPECTIONS

This SWPPP requires a schedule for monthly site inspections and a brief written report, which includes the name of the inspector, the signature of the inspector and the date. The inspections must include observation and analysis of BMP effectiveness, deficiencies and corrective action that will be taken. The inspection should also include observation of the outfall and receiving stream, as well as the integrity of any containment structure(s), including but not limited to above-ground tanks, secondary containment, external piping, etc. Deficiencies must be corrected within the timeframe established in the permit and must be documented in the inspection report. A template inspection log is located in Appendix C.

Personnel Responsible for Inspections:

Note: All personnel conducting inspections must be considered a "qualified person." A "qualified person" is a person knowledgeable in the principles and practices of erosion and sediment controls and pollution prevention, who possesses the appropriate skills and training to assess conditions at the construction site that could impact stormwater quality, and the appropriate skills and training to assess the effectiveness of any stormwater controls selected and installed to meet the requirements of this permit.
Inspection Schedule:
Standard Frequency:
• Every 14 days and within 24 hours of a 0.25" rain or the occurrence of runoff from snowmelt sufficient to cause a discharge.
Increased Frequency (if applicable):
• For areas of sites discharging to sediment or nutrient-impaired waters or to waters designated as Tier 2, Tier 2.5, or Tier 3
o Every 7 days and within 24 hours of a 0.25" rain
Reduced Frequency (if applicable):
• For stabilized areas
o Twice during first month, no more than 14 calendar days apart; then once per month after first month.
For stabilized areas on "linear construction sites":
• Twice during first month, no more than 14 calendar days apart; then once more within 24 hours of a 0.25" rain
Corrective Action:
• Operators must immediately take all reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events.
• Corrective action must be completed by the close of the next business day when the problem does not require a new or replacement control or significant repair.
• Operator must install new or modified control and make it operational or complete the repair, by no later than 7 calendar days from the time of discovery. If it is infeasible to complete the installation or repair within 7 calendar days, the operator must document in their records why it is infeasible to complete the installation or repair within the 7-day timeframe and document their schedule for installing the stormwater control(s) and making it operational as soon as feasible after the 7-day timeframe. Where these actions result in changes to any of the stormwater controls or procedures documented in their SWPPP, the operator must modify their SWPPP accordingly within 7 calendar days of completing this work.

• The operator must comply with any corrective actions required by EPA as a result of permit violations found during an inspection carried out under Part 4.8.
• The operator must complete a corrective action report for each corrective action taken in accordance with this part of the permit.
• Within 24 hours of identifying the corrective action condition, the operator must document the specific condition and the date and time it was identified.
• Within 24 hours of completing the corrective action (in accordance with the outlined above), the operator must document the actions taken to address the condition, including whether any SWPPP modifications are required.
• The operator must keep a copy of all corrective action reports at the site or at an easily accessible location, so that it can be made available at the time of an on-site inspection or upon request by EPA.
• The operator must keep all corrective action reports completed for this Part for at least three (3) years from the date that permit coverage expires or is terminated.
Personnel Responsible for Corrective Actions:
INSERT NAMES OF PERSONNEL OR TYPES OF PERSONNEL RESPONSIBLE FOR CORRECTIVE ACTIONS
Corrective Action Forms:
• CGP operator will use the corrective action log provided by EPA. The log is attached.
(Note: EPA has developed a sample corrective action form that CGP operators can use. The form is available at https://www.epa.gov/npdes/stormwater-discharges-construction-activities#resources

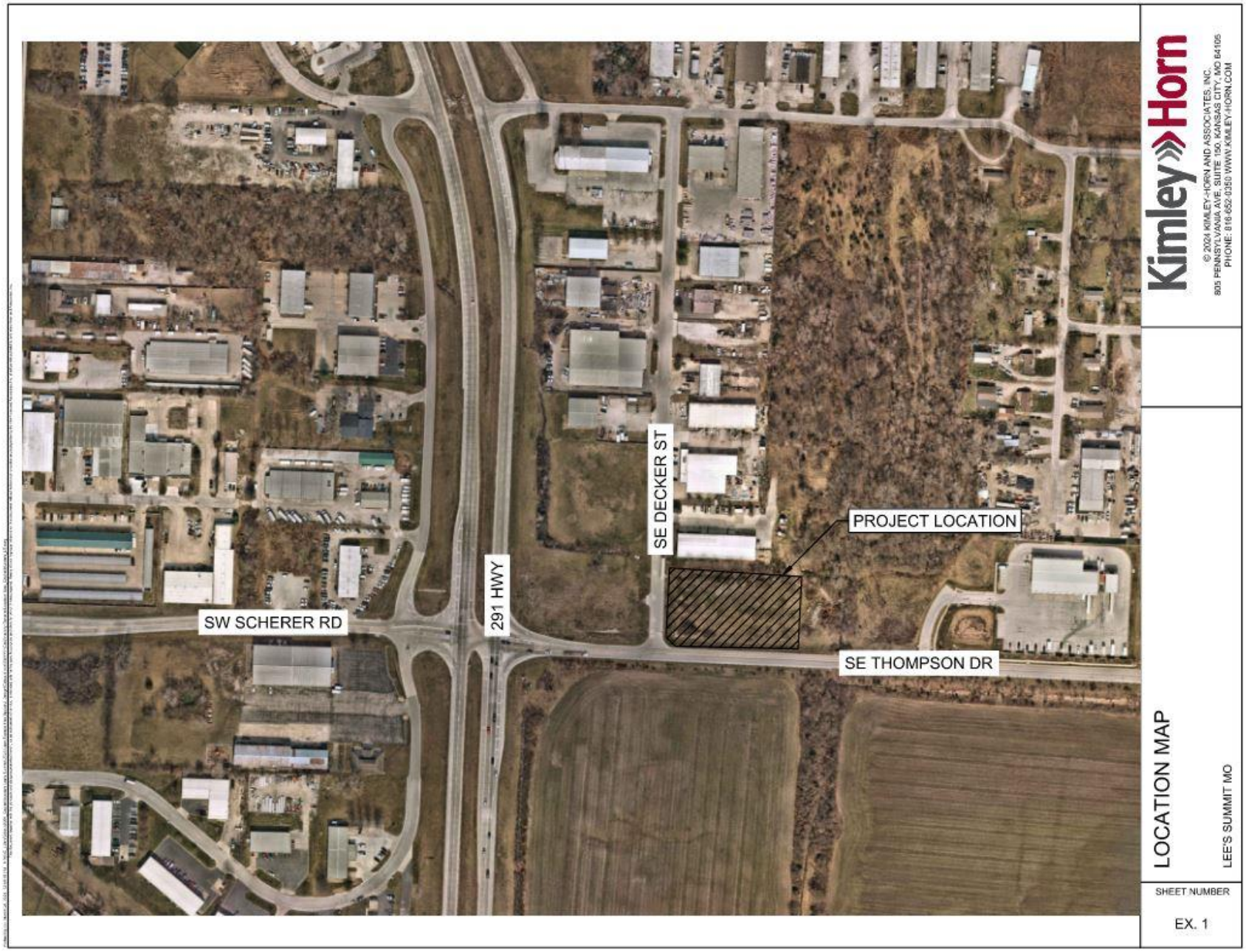
8.0 CERTIFICATION

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 ensure 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.

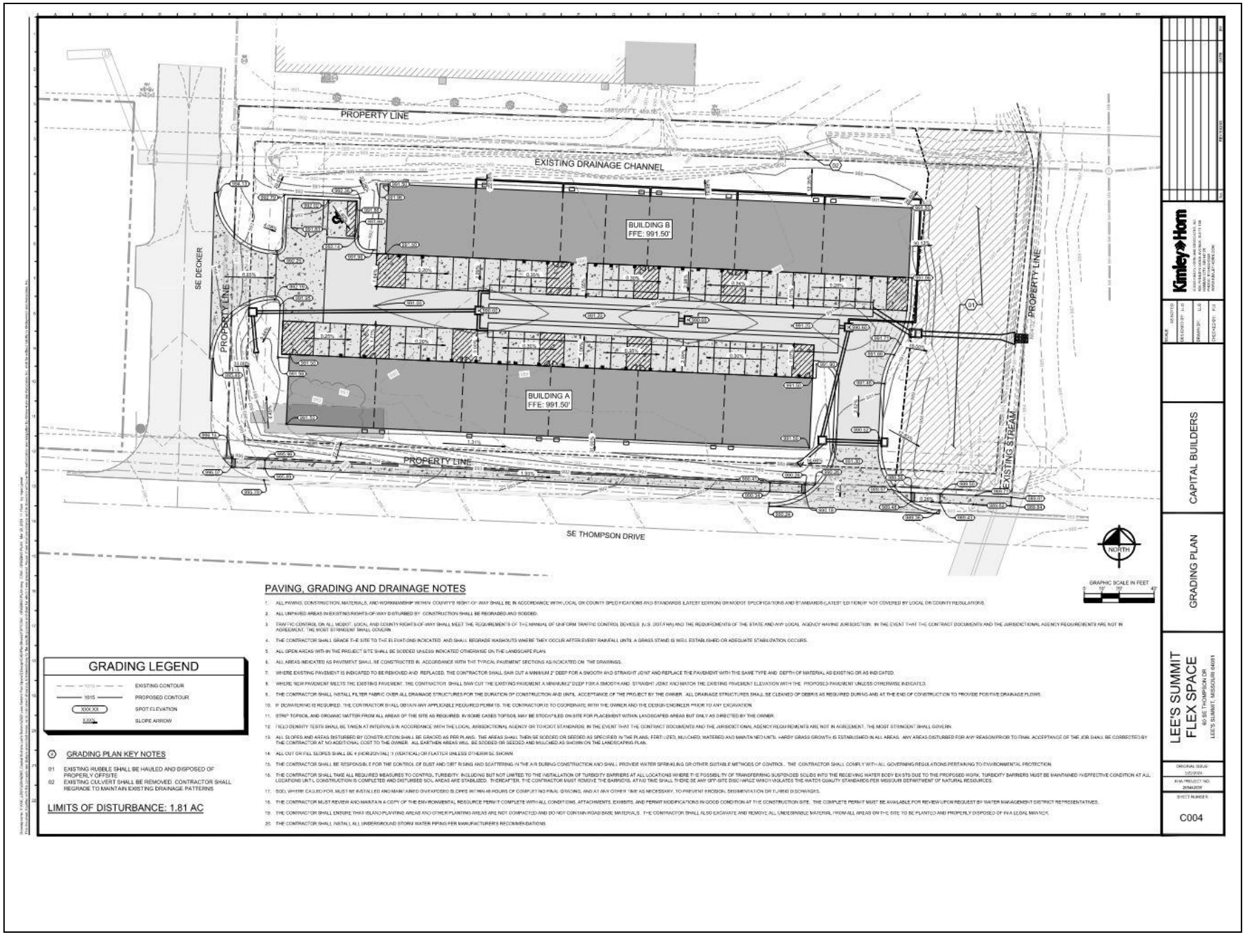
Authorized Facility Representative

Name Click or tap here to enter text.
TitleClick or tap here to enter text.
DateClick or tap to enter a date.

APPENDIX A – FACILITY GENERAL LOCATION MAP



APPENDIX B – FACILITY DETAILED SITE MAP



APPENDIX C – SWPPP INSPECTION LOG

Date Click or tap to enter a date. Inspectors Name Click or tap here to enter text. Inspectors Signature_____

Locations of Potential Storm water contamination	Observations including, stains, flow, sludge, color, order, etc. or other indicators of non-storm water discharge	Notes and/or Corrective Actions	Date BMPs are to be corrected	Date BMPs were corrected
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap to enter a date.	Click or tap to enter a date.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap to enter a date.	Click or tap to enter a date.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap to enter a date.	Click or tap to enter a date.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap to enter a date.	Click or tap to enter a date.

APPENDIX D – TRAINING LOG

Date	Topics Reviewed	Employee Name	Employee Signature	Management Signature
Click to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.		
Click to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.		
Click to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.		
Click to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.		
Click to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.		
Click to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.		
Click to enter a date.	Click or tap here to enter text.	Click or tap here to enter text.		

ATTACHMENT

Missouri State Operating Permit & Application