



Construction Activities Stormwater Discharge Permit (CASDP)

Authority:	<ul style="list-style-type: none"> ➤ City and County of Denver Municipal Separate Storm Sewer System (MS4) Discharge Permit CDPS Permit No. COS-000001. ➤ Revised Municipal Code: Sec 56-102, a, d, et al. ➤ Department of Transportation and Infrastructure “Rules and Regulations Governing Sewerage Charge and Fee, and Management of Wastewater (Chapter 10).
Purpose:	Compliance with City & County of Denver Revised Municipal Code and Department of Transportation and Infrastructure Rules & Regulations concerning the discharge of pollutants in storm generated runoff from construction sites to the city’s Municipal Separate Storm Sewer System (MS4).
Document Date:	August, 2024
Permit Type:	Construction Activities Stormwater Discharge Permit (CASDP) formally referred to as an Erosion Control Permit.
Customer Interface:	The customer shall submit all required documentation, draft narrative and plans to Development Services. Documents shall be submitted electronically using E-Permits .
Affiliated Departments & Agencies, and Roles:	<ul style="list-style-type: none"> ➤ DOTI Wastewater Management Division (WMD), Stormwater Quality Unit: Responsible for required initial site inspection and ongoing permit compliance inspections and enforcement. Phone (303) 446-3485 or wqinvestigations@denvergov.org ➤ Development Services: Intake and issuance of the Construction Activities Stormwater Discharge Permit (CASDP). The CASDP must be issued prior to releasing permits for any structures associated with the project. ➤ Forestry: Questions regarding vegetation in the Right-of-Way (720) 913-0651.
Submittal Process:	<p>Stormwater Management Plans (SWMP) shall be prepared and submitted for review.</p> <ul style="list-style-type: none"> ➤ Plans shall be prepared in accordance with the Storm Drainage Design and Technical Criteria Manual, Chapter 15. ➤ Submit a draft SWMP narrative and site plans for initial review. Documents shall be submitted electronically using E-Permits. ➤ If needed, subsequent reviews should be submitted in the same manner as the initial review. ➤ Permit Transfers: Submit transfer application in PDF format to the WMD, Stormwater Quality Unit. Phone (303) 446-3485 or wqinvestigations@denvergov.org. Permit Transfer Form may be found within the CASDP narrative. ➤ Modifications: Submit Major Modifications electronically using E-Permits.
Stormwater Management Plan (SWMP) Requirements:	<p>The Stormwater Management Plan (SWMP) must contain a narrative and site map(s). The required contents of a SWMP can be found in section 15.7 of the Storm Drainage Design and Technical Criteria Manual.</p> <p>A SWMP Narrative Report Information Worksheet is available for completion and use for submittal at: https://www.denvergov.org/Government/Agencies-Departments-Offices/Agencies-Departments-Offices-Directory/Department-of-Transportation-and-Infrastructure/Programs-Services/Wastewater-Management/Infrastructure/Engineering</p> <p>Denver requires that the SWMP include one or more site maps at one of the following scales: 1”=20’, 1”=30’, 1”=40’, 1”=50’ or 1”=100’. The scale selected must be suitable for practical use and readability. Two-foot contour intervals are required for these plans. The site map(s) must include the following elements:</p> <p>Cover Sheet</p> <ol style="list-style-type: none"> a. Project Title b. CASDP Permit Number (EC-20XX-XXX) c. Vicinity Map d. Standard Notes (see below for notes) e. Professional Engineer’s stamp and signature <p>Initial, Interim, and Final Site Map(s)</p> <ol style="list-style-type: none"> a. Construction site boundaries. b. Flow arrows that depict stormwater flow directions on-site and runoff direction. c. Existing and proposed topography, including cross-sections showing both existing and proposed grades and clearly marked existing and proposed grading contours (legible with elevations) extending 100 feet beyond the project boundaries. d. All areas of ground disturbance including areas of borrow and fill and including phased limits of grading and clearing. e. Locations of areas used for storage of soil. f. Locations of all waste accumulation areas, including areas for liquid, concrete, masonry, and asphalt. g. Locations of dedicated asphalt, concrete batch plants and masonry mixing stations, including containment areas for chute washout. h. Locations of fuel, lubricant and chemical storage areas and equipment maintenance and fueling locations.



- i. Locations of sanitary facilities.
- j. Locations of contaminated areas.
- k. Locations of construction entrances.
- l. Locations of all structural control measures
- m. Locations of all non-structural control measures. Nonstructural control measures (e.g., street sweeping) without specific location may be notated.
- n. Locations of springs, streams, wetlands and other state waters, including areas that require pre-existing vegetation be maintained within 50 feet of a receiving water. Natural features within 100 feet of the site boundary must also be shown.
- o. Locations of all stream crossings located within the construction site boundary.
- p. Location of existing and proposed structures on-site, with structures subject to demolition clearly identified.
- q. Locations of all storm runoff discharge points at site boundaries or internal to site if a drainageway is located on-site.
- r. Locations of all final stabilization control measures, including areas of landscaping and or perennial grass seeding (Final sheet).
- s. Installation details for all proposed construction control measures.
- t. Location of all proposed structural permanent stormwater quality control measures.

CASDP Standard Notes:

These Standard Notes are required to be included as part of the Stormwater Management Plan's site maps, construction drawings, utility construction plans, and or grading plans submitted for review and approval.

STANDARD NOTE # 1:

The Owner and or Operator/Contractor shall remove all sediment, mud, construction debris, or other pollutants that have been discharged to, or accumulate in, the flowlines, storm sewer system and associated features, and or right of ways as a result of construction related activities. Removal shall be conducted immediately.

STANDARD NOTE # 2:

The Owner and or Operator/Contractor shall prevent sediment, debris, and all other pollutants from entering the storm sewer system during all demolition, excavation, trenching, boring, grading, or other construction operations that are part of this project. The Owner and or Operator/Contractor shall be held responsible for remediation of any adverse impacts to the storm sewer system, receiving waters, waterways, wetlands, and or other public or private properties, resulting from work done as part of this project.

STANDARD NOTE # 3:

Stabilization must be implemented for earth disturbing activities on any portion of the site where ground disturbing construction activity has permanently ceased, or temporarily ceased for more than 14 calendar days. Additional control measures must be implemented on sites meeting the following conditions: sites that are located directly adjacent to Waters of the State, drainageways, have a drainageway within the site, are constructing a drainageway, or that have areas tributary to the site that may generate large volumes of runoff; sites that have slopes 3:1 or steeper; and sites where there is known contamination.

STANDARD NOTE # 4:

The Owner and or Operator/Contractor shall insure that all loads of cut and fill material imported to or exported from this site shall be properly covered to prevent loss of the material during transport on public rights of way (Sec.49-552; Revised Municipal Code).

STANDARD NOTE # 5:

The use of rebar to anchor best management practices is prohibited. Steel fence posts may be used on a case-by-case basis and requires approval from the City and County of Denver stormwater quality investigator prior to installation.

STANDARD NOTE # 6:

Stockpiles of soil, land clearing debris, or construction materials containing soil or sediment should be located outside of any natural buffers and away from waterways and onsite drainage pathways. Stockpiles located within 100 feet of perimeter controls, inlets, or stormwater conveyances should be protected with additional controls. Examples of acceptable controls include compacted dirt berms, silt fence, and sediment control logs. Where practicable, provide cover or appropriate temporary stabilization to avoid the stockpile's direct contact with precipitation and to minimize sediment discharge.

STANDARD NOTE # 7:

The Owner and or Operator/Contractor must ensure that all control measures remain in effective operating condition and are protected from activities that would reduce their effectiveness. Control measures must be maintained in



	<p>accordance with good engineering, hydrologic and pollution control practices. Observations leading to the required maintenance of control measures can be made during a site inspection, or during general observations of site conditions. The necessary repairs or modifications to a control measure requiring routine maintenance must be conducted to maintain an effective operating condition. The Owner and or Operator/Contractor must ensure self-inspections of the erosion and sediment control measures occur at least once every 7 days and after every significant precipitation event or significant snow melt.</p> <p>STANDARD NOTE # 8: Water used in the cleaning of cement truck delivery chutes shall be discharged into a predefined concrete washout area. Compacted berm containment or commercially available concrete washout devices that fully contain all wash water are acceptable. Wash water discharged into the containment area or device shall be allowed to infiltrate, evaporate, and or be disposed of in accordance with all applicable regulations. Dried cement waste is to be removed from the containment area and properly disposed. Concrete washout locations must not be located in an area where shallow groundwater may be present. The direct or indirect discharge of water containing waste cement to the storm sewer system is prohibited (Sec.56-102a, c; Revised Municipal Code, City and County of Denver).</p> <p>STANDARD NOTE # 9: The Owner and or Operator/Contractor shall protect the storm sewer system and associated features adjacent to any location where pavement cutting operations involving wheel cutting, saw cutting, or abrasive water jet cutting are to take place. The Owner and or Operator/Contractor shall remove and properly dispose of all waste products generated by said cutting operations daily or as needed throughout the workday. The discharge of any water contaminated by waste products from cutting operations to the storm sewer system is prohibited (Sec.56-102a, c; Revised Municipal Code, City and County of Denver).</p> <p>STANDARD NOTE # 10: Paved and impervious surfaces within and adjacent to construction sites must be swept daily and as needed throughout the day when sediment and other materials are tracked or discharged onto them. Either sweeping by hand or use of Street Sweepers is acceptable. Street sweepers using water while sweeping is preferred to minimize dust. Flushing or washing off paved surfaces with water is prohibited (Sec.56-102a, c; Revised Municipal Code, City and County of Denver).</p>
<p>Approval Process:</p>	<ul style="list-style-type: none"> ➤ The plan reviewer will review for compliance and email comments that will need to be addressed prior to approval. ➤ Upon approval for compliance by the reviewer, the Applicant &/or Engineer of Record will need to sign/stamp all documents (permit, narrative, and plans). ➤ Submit one (1) electronic (scanned to pdf or electronically signed pdf) copy of complete narrative, plans and permit via E-Permits. All submittals including final submittal must be made electronically. ➤ Upon acceptance and approval of the signed/sealed electronic narrative, plans and permit, the invoice with payment instructions will be emailed to the applicant and Engineer of Record.
<p>Permit Benchmarks:</p>	<ul style="list-style-type: none"> ➤ This permit shall remain active and in effect until the project is completed and final stabilization has been achieved. Final stabilization is reached when all ground surface disturbing activities at the construction site are complete and either a uniform vegetative cover with an individual plant density of at least 70 percent of what would have been provided by native vegetation in a local, undisturbed area is established, or equivalent permanent alternative stabilization methods are implemented. ➤ In addition, all temporary control measures must be removed, an Inactivation Request Form submitted to the WMD, Stormwater Quality Unit, and the site must pass a final inspection. ➤ If work under this permit is not commenced within 12 months from the date of issuance this permit shall become void. Failure to complete the work or fulfil terms of the CASDP, DOTI may suspend the permit and may order work necessary to eliminate danger to persons or property and to leave the site in a safe condition. DOTI may also authorize completion of all necessary stormwater control measures.
<p>Fees:</p>	<ul style="list-style-type: none"> ➤ For fee amount information, refer to the <i>most current year</i> Standard Fee Consolidation schedule at https://www.denvergov.org/Government/Agencies-Departments-Offices/Community-Planning-and-Development/CPD-Fees. ➤ Follow link under “Department of Transportation and Infrastructure (DOTI)/SUDP”. ➤ Information on How to Pay Fees is provided at above site.
<p>Additional Information:</p>	<p>In addition to a CASDP from Denver, construction projects that disturb one or more acres in area (including demolition), are part of a larger common plan of development or sale, contributes to a violation of a water quality standard, or is a significant contributor of pollutants to state waters, may be required to obtain a “Stormwater Discharge Permit Associated with Construction Activities” from the Colorado Department of Public Health and Environment (CDPHE). Information on the application requirements for the state permit can be obtained online at: https://cdphe.colorado.gov/General-Construction-Permit-COR400000</p>