

Construction Site Storm Water Runoff Requirements for Small Construction Projects

BECKLEY MUNICIPAL
SEPARATE STORM SEWER
SYSTEM (MS4)

To protect the water environment in the Beckley urban watershed, and to comply with the Federal Clean Water Act, the City of Beckley Sanitary Board has enacted and will enforce regulations that apply to construction site activities throughout the urban watershed, both within and outside the City limits. These regulations are required and authorized by federal and state law, and are subject to enforcement by federal, state and local authorities. The City has chosen to exempt small construction projects (disturbed areas of 5,000 square feet or less) from certain detailed pollution control planning and review requirements. However, the owner and/or operator of every construction site in the Beckley urban watershed is required to employ controls to prevent runoff pollution from causing harm to adjacent properties and waters. Listed below are the water pollution control practices required for all small projects within our watershed.

Erosion and Sediment Control Requirements for Small Construction Projects

The owner and/site operator shall install the construction site runoff controls described below to minimize the erosion of site soils and sediment washing into streets, inlets, storm sewer pipes, open channels, and adjacent lots.

Enforcement

Owners/Site Operators who fail to install construction site runoff controls will be issued a notice of violation. Failure to correct the problem may lead to additional enforcement action (including, but not limited to, stop work orders, civil and/or criminal penalties, reimbursement for corrective action, and/or withdrawal of grading/building permits.)

Inspection of Sediment Controls

The owner/operator shall inspect the pollution control devices daily and service and/or repair them as necessary. Sediment accumulated behind or at a control device shall be regularly removed and properly disposed of in order to ensure continued proper functioning of the control device.

Silt Fence

A silt fence shall be properly installed prior to clearing and grading the lot. The silt fence is not required around the entire perimeter of the lot but must be installed on the down-slope perimeter of all



disturbed areas. The silt fence shall be firmly entrenched and attached to wood or steel posts spaced 6 feet apart. The trench is typically 6"x6". The posts go on the downhill side of the fence. The posts are typically 2"x2"x36" wood and shall be driven firmly into the ground. The silt fence fabric should be at least 18" in height above the ground.

Construction Entrance/Parking area

The owner/operator shall prevent construction site mud or dirt deposit upon adjacent roadways. To accomplish this, a construction entrance of No. 2 stone, 6" thick, shall be installed where the driveway will be constructed. Nonwoven geotextile fabric shall be used as underlayment in the entrance. The stone should not be placed in the gutter. Stone should also be used on any site parking areas.



Seed and Mulch

Disturbed areas shall be seeded and mulched, hydroseeded or sodded, within 7 days after final grading. Areas that have not reached final grade, but will remain inactive for more than 21 days, shall be seeded and mulched. Soils shall be properly prepared and appropriate seed ratios and application rates used. Vegetation shall be established in drainage channels/swales immediately. Erosion control blankets and turf reinforcement mats may be required on steep slopes and in drainage channels. Mulch without seed may

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be applied during December, January, and February, but seeding shall occur as soon as possible in the spring.

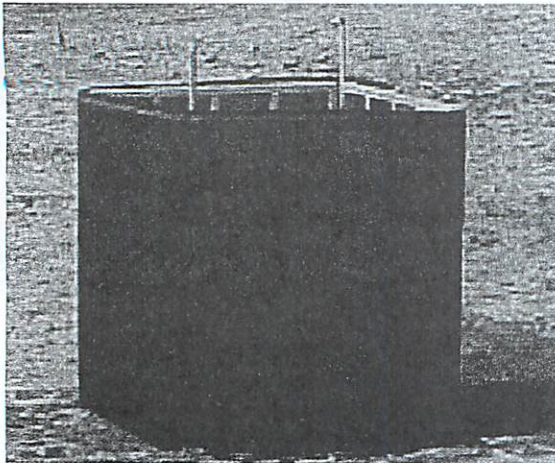
Curb Inlet Protection

Rock bags or other devices shall be used to keep sediment from washing into curb inlets. Do not completely block the curb opening because that could lead to flooding during heavy rain. Accumulated sediment shall be removed and properly disposed of to ensure continued protection of the inlet.



Surface Inlet Protection

A silt fence or other device shall be used to keep sediment from washing into surface inlets. Accumulated sediment shall be removed and properly disposed of to ensure continued protection of the inlet.



Concrete washout and other hazards

The operator shall not washout concrete, paint or other liquid materials in storm drains or drainage channels. Concrete washout should be contained in an appropriate best management practice.

Dewatering practices

If the operator must dewater the site (i.e. footers/trenches, etc.) with a pump, the pump discharge must be put through an appropriate BMP filter device to remove suspended sediments prior to discharge to a storm sewer or drainage ditch.

Disposal of Trash/Sanitary Waste

Each day, all scrap building materials and litter that could be carried away by wind or water must be hauled off-site or placed in an on-site dumpster. This includes food packages, cans, bottles, paper, and scrap building materials such as wood, drywall, shingles, etc. The site should have temporary sanitary facilities on site that are regularly maintained.

Street Cleaning

The owner/operator shall remove any dirt or mud deposited on streets adjacent to the construction site. In addition to entrance/parking area practices discussed above, the owner/operator shall clean the adjacent street as needed to prevent sediment water pollution and unsafe road surface conditions.

Alteration of Drainage System

The owner/operator shall not regrade the lot to move a swale, channel, or stream. The owner/operator shall not fill in a floodplain, detention/retention pond, swale, channel, or stream. **Any potential violations of federal wetlands/stream fill laws will be reported to WV DEP and U.S. Army Corps of Engineers.**

Traffic Safety/Snow Barrier Fence

Fencing shall be installed along the street frontage to prevent unauthorized or improper entry of vehicles upon the site. A silt fence may satisfy this requirement. If a silt fence is not required along the street frontage, a traffic safety or snow barrier fence shall be erected to satisfy this requirement.

Questions, Technical Information & Complaints

The mission of the Beckley Sanitary Board is to protect the water environment in our urban watershed. We will be happy to provide technical assistance to any owner or operator upon request to 304-256-1760. No violation will be assessed as a result of a request for assistance and good faith efforts toward compliance. Citizens with complaints regarding construction site runoff should call the Sanitary Board for assistance at 304-256-1760.