

# Erosion Control Regulations

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## Projects Affected

- All new construction and land disturbance in Bay St. Louis started on or after January 2004.

## Application Process

- Erosion Control Plan must be submitted with building permit application to the local building inspector in communities where the dwelling code is enforced.
- Erosion Control Plan must show:
  - Location of dwelling, other buildings, wells, surface waters and disposal systems on the site with respect to property lines
  - Direction of all slopes on the site
  - Location and type of erosion control measures

## Controls Required

- Silt fences or straw bales along down slope sides and side slopes.
- Gravel access drive
- Straw bales, filter fabric fences or other barriers to protect on-site sewer inlets
- Additional controls if needed for steep slopes

## Maintenance and Waste Disposal

- Sediment controls must be maintained until the site is stabilized by mulching and seeding, sodding or landscaping
- All building waste must be properly disposed to prevent pollutants and debris from being carried off-site

## Enforcement

- Erosion control inspections will be made during other regular inspection (footing and foundation, rough construction, final, etc.)
- Violations must be corrected within 72 hours
- Stop works orders may be issued for noncompliance

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## Stormwater Permit (DEQ)

### Projects Affected

- Any construction project that disturbs 5 acres or more
- Smaller sites that are part of a planned development involving 5 acres or more of land disturbance
- Effective March 6, 2003 of any new or continuing project

### Application Process

- File a "Construction Notice of Intent" (CNOI) application with the Mississippi Department of Environmental Quality (MDEQ) 30 days before construction begins
- Application must include:
  - Timetable of land disturbing activities and installation of erosion control measures including project start and completion dates
  - Proposed erosion and storm water pollution control practices during and after construction
  - Documentation that an erosion control and storm water management plan which meets MDEQ standards has been prepared (plan does not need to be submitted with the application)
  - Other information related to site location and permit holder

### Controls Required

- Erosion control measures specified in the MDEQ Construction Site Best Management Practice Handbook
- Measures to control storm water after construction

**For More Information, Contact:** MDEQ, Office of Pollution Control, P.O. Box 10385, Jackson, MS 39289-0385

# Management Strategies

Indicate management strategy by checking (✓) the appropriate box.

Planned    Not Planned

- |                          |                          |   |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Temporary stabilization of disturbed areas.<br><b>Note:</b> It is recommended that disturbed areas and soil piles left inactive for extended periods of time be stabilized by seeding, or by other cover, such as tarping or mulching.  |
| <input type="checkbox"/> | <input type="checkbox"/> | Permanent stabilization of site by re-vegetation or other means as soon as possible (lawn establishment).   |
| <input type="checkbox"/> | <input type="checkbox"/> | Indicate re-vegetation method:    Seed    Sod    Other _____  |
| <input type="checkbox"/> | <input type="checkbox"/> | Expected date of permanent re-vegetation: _____   |
| <input type="checkbox"/> | <input type="checkbox"/> | Re-vegetation responsibility of:    Builder    Owner/Buyer  |
| <input type="checkbox"/> | <input type="checkbox"/> | Is temporary seeding or mulching planned?    Yes    No  |
| <input type="checkbox"/> | <input type="checkbox"/> | Use of down spout and/or sump pump outlet extensions.<br><b>Note:</b> It is recommended that flow from down spouts and sump pump outlets be routed through plastic drainage pipe to stable areas such as established sod or pavement.   |
| <input type="checkbox"/> | <input type="checkbox"/> | Trapping sediment during dewatering operations.<br><br><b>Note:</b> Sediment-laden discharge water from pumping operations should be ponded behind a Sediment barrier until most of the sediment settles out.   |
| <input type="checkbox"/> | <input type="checkbox"/> | Proper disposal of building material waste so that pollutants and debris are not carried off-site by wind or water.   |
| <input type="checkbox"/> | <input type="checkbox"/> | Maintenance of erosion control practices. <ul style="list-style-type: none"><li>• Sediment will be removed from behind sediment fences and barriers before it reaches a depth that is equal to half the barrier's height.</li><li>• Breaks and gaps in sediment fences and barriers will be repaired immediately. Decomposing straw bales will be replaced (typical bale life is three months).</li><li>• All sediment that moves off-site due to construction activity will be cleaned up before the end of the same workday.</li><li>• All sediment that moves off-site due to storm events will be cleaned up before the end of the next workday.</li><li>• Gravel access drives will be maintained throughout construction.</li><li>• All installed erosion control practices will be maintained until the disturbed areas they protect are stabilized.</li></ul> |

**City of Bay St. Louis Plan Approval:**

\_\_\_\_\_  
City Building Official Signature

\_\_\_\_\_  
Date

# Erosion Control Plan Check List

Check (✓) appropriate boxes below and complete the site diagram with necessary information.

Completed    Not Applicable

## Site Characteristics

- |                          |                          |  |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | North arrow, scale, and site boundary. Indicate and name adjacent streets or roadways. |
| <input type="checkbox"/> | <input type="checkbox"/> | Location of existing drainage ways, streams, rivers, lakes, wetlands, or wells.        |
| <input type="checkbox"/> | <input type="checkbox"/> | Location of storm sewer inlets.  |
| <input type="checkbox"/> | <input type="checkbox"/> | Location of existing and proposed buildings and paved areas.                           |
| <input type="checkbox"/> | <input type="checkbox"/> | The disturbed area on the lot.   |
| <input type="checkbox"/> | <input type="checkbox"/> | Approximate gradient and direction of slopes before grading operations.                |
| <input type="checkbox"/> | <input type="checkbox"/> | Approximate gradient and direction of slopes after final grading operations.           |
| <input type="checkbox"/> | <input type="checkbox"/> | Overland runoff (sheet flow) coming onto the site from adjacent areas.                 |

## Erosion Control Practices

- |                          |                          |  |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Location of temporary soil storage piles.<br><b>Note:</b> Soil storage piles should be placed behind a sediment fence, a 10ft wide vegetative strip, or Should be covered with a tarp or more than 25ft from any down slope road or drainage way.  |
| <input type="checkbox"/> | <input type="checkbox"/> | Location of gravel access drive(s).<br><b>Note:</b> Gravel drive should have 2 to 3 inch aggregate stone laid at least 7ft wide and 6 inches thick. drives should extend from the roadway 50ft or to the house foundation (whichever is less).   |
| <input type="checkbox"/> | <input type="checkbox"/> | Location of sediment controls (filter fabric fence, straw bale fence or 10-foot wide vegetative strips) will prevent eroded soil from leaving the site.  |
| <input type="checkbox"/> | <input type="checkbox"/> | Location of diversions.<br><b>Note:</b> Although not specifically required by code, it is recommended that concentrated flow (drainage ways) be diverted (re-directed) around disturbed areas. Overland runoff (sheet flow) from adjacent areas greater than 10,000 sq ft should also be diverted around disturbed areas.  |
| <input type="checkbox"/> | <input type="checkbox"/> | Location of practices that will be applied to control erosion on steep slopes (greater than 12% grade.)<br><b>Note:</b> Such practices include maintaining existing vegetation, placement of additional sediment fences, diversions and re-vegetation by sodding or by seeding with use of erosion control mats.   |
| <input type="checkbox"/> | <input type="checkbox"/> | Location of practices that will control erosion in areas of concentrated runoff flow.<br><b>Note:</b> Unstabilized drainage ways, ditches, diversions, and inlets should be protected from erosion through use of such practices as in-channel fabric or straw bale barriers, erosion control mats, staked sod, and rock rip-rap. When used, a given in-channel barrier should not receive drainage from more than two acres of unpaved area, or one acre of paved area. In-channel practices should not be installed in perennial streams (streams with year-round flow). |
| <input type="checkbox"/> | <input type="checkbox"/> | Location of other planned practices not already noted.   |



# Standard Erosion Control Plan

According to Bay St Louis Erosion Control Ordinance a soil erosion control plan needs to be submitted and approved prior to the issuance of building permits. This standard Erosion Control Plan is provided to assist in meeting this requirement.

## EXAMPLE

### Instructions:

1. Complete this plan by filling in requested information, completing the site diagram and marking (✓) appropriate boxes on the inside of this form.
2. In completing the site diagram, give consideration to potential erosion that may occur before, during, and after grading. Water runoff patterns can change significantly as a site is reshaped.
3. Submit this plan at the time of building permit application.

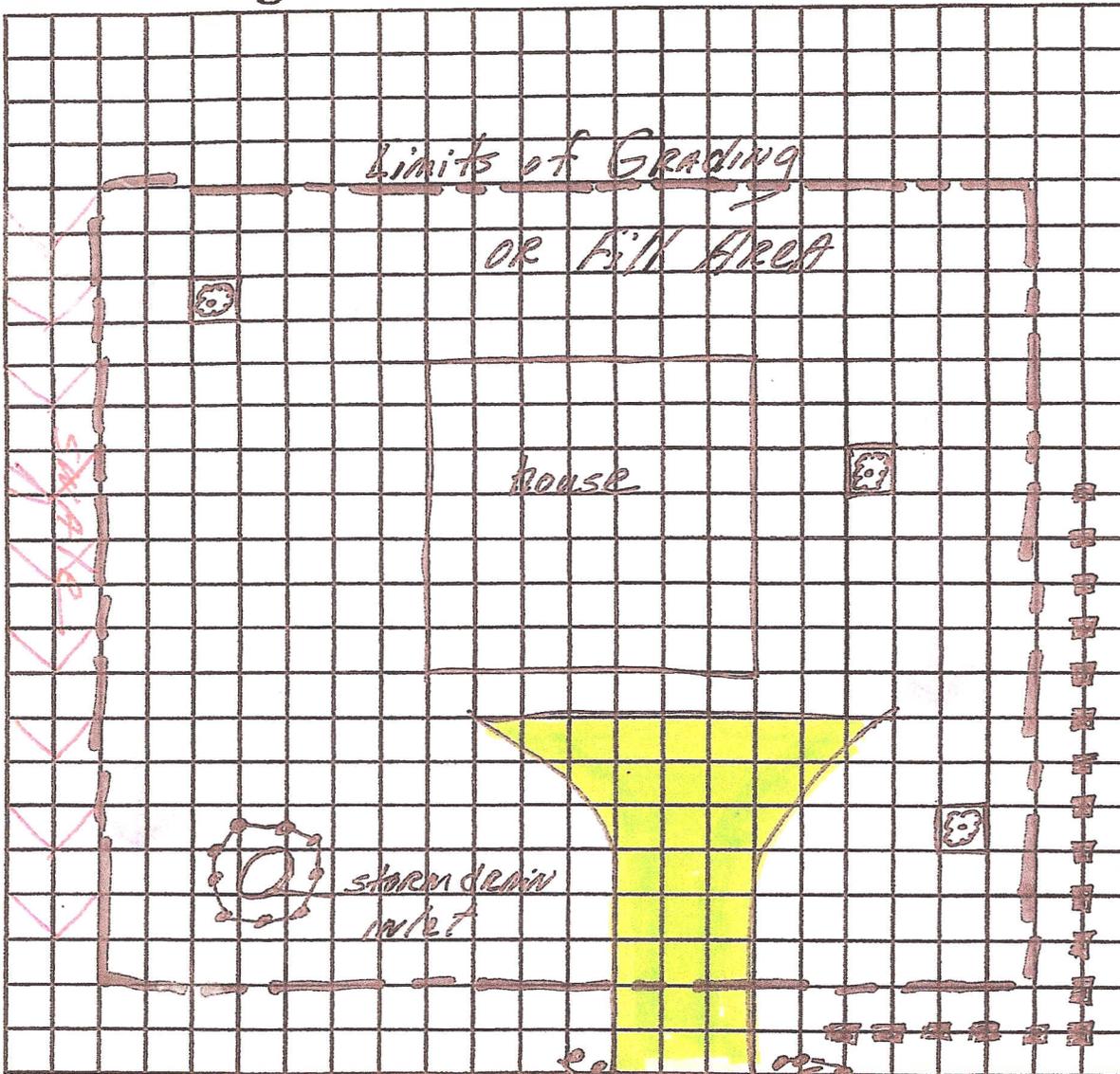
- Fill*
- existing grade elevation
  - proposed elevations
  - amount of fill
    - height
    - number of cubic Erosion yards

### Control Plan Legend

- Property Line
  - Existing Drainage
  - TD Temporary Diversion
  - Finished Drainage
  - Limits of Grading
  - Silt Fence
  - Straw Bales
  - Gravel
  - ① Vegetation Specification
  - ☼ Tree Preservation
  - Stockpiled Soil
- Please indicate north by completing the arrow below.
- 

### Site Diagram

Scale: 1 inch = 50 feet



150'

Project Location 688 Highway 90

Builder City of Bay St. Louis

Worksheet Completed by Cindy Elliot Date 4-10-08