

NDDOT
Storm Water Pollution Prevention Plan
for compliance with
EPA Phase II
Storm Water Rules and Regulations
(REVISED - 3/31/04)

The North Dakota Department of Transportation (NDDOT) has developed a Storm Water Pollution Prevention Plan (SWPPP) per EPA Phase II Storm Water Rules and Regulations. This plan **went** into effect on March 11, 2003. The EPA guidelines address six (6) areas that will be addressed with the NDDOT Plan. These six areas are:

- I. Public Education and Outreach**
- II. Public Participation / Involvement**
- III. Illicit Discharge Detection and Elimination**
- IV. Construction Site Runoff Control**
- V. Post-Construction Runoff Control**
- VI. Pollution Prevention / Good Housekeeping**

The following narrative outlines the plan developed by the NDDOT to address minimum control measures for each of these six areas. Measurable Goals, which are required for each of the Minimum Control Measures, are intended to gauge permit compliance and program effectiveness. The narrative addresses activities that will be required by the NDDOT in the form of:

- Public/**contractor** information and education
- Education of the NDDOT staff
- Maintenance procedures
- Recommendations for new or modified construction standards for the NDDOT
- Recommended measurable goals
- Timetables for the attainment of the goals within each area

I. Public Education and Outreach

Goals: The SWPPP activities implemented under Minimum Control Measure Public Education and Outreach will focus on increasing public/**contractor** awareness of the harmful effects of storm water runoff and

its potential to affect the water quality in the regulated small municipal separate storm sewer systems (MS4's) metropolitan area. Services and educational information will be made available to the public/**contractors** to promote practices conducive to the reduction pollution that results from storm water runoff. A number of outreach programs and educational activities that demonstrate the impacts of storm water discharges will be investigated during the permit term to determine if they increase the general level of understanding of the SWPPP throughout the community.

To comply with the minimum control measures for Public Education and Outreach the NDDOT will address the following areas:

1. Implement a public/**contractor** education program to distribute educational materials to the public, or conduct equivalent outreach programs and activities about the impact of storm water discharges on local waterways. **Additional training for government staff, consultants, engineers, and contractors will be developed and implemented in Sections 4, 5, and 6.**

To address these areas the NDDOT recommends the following:

1. Develop a partnership with the **nine** MS4 permittees (**Williston, Dickinson, Mandan, Bismarck, Minot, Jamestown, West Fargo, Fargo, and Grand Forks**) to handle the responsibility for meeting the Public Education and Outreach. **Government staff, consultants, engineers, and contractors education will be included in this section as well.**

The NDDOT contact will be:

Design Division
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Recommended goals for this area are:

- Year 1 and 2: Develop a partnership with the nine MS4 permittees (**Williston, Dickinson, Mandan, Bismarck, Minot, Jamestown, West Fargo, Fargo, and Grand Forks**) to handle the responsibility for meeting the Public Education and Outreach. Submit annual

report to North Dakota Department of Health on progress of partnership.

Year 3: Implement a partnership with the nine MS4 permittees to have permittee in area of project handle the responsibility for Public Education and Outreach. Local MS4 permittee will submit annual report to North Dakota Department of Health.

Year 4 and 5: Continue partnership with nine MS4 permittees.

II. Public Participation/Involvement

Goals: The SWPPP activities implemented under Minimum Control Measure Public Participation/Involvement will focus on increasing public involvement and participation in reducing the potential harmful effects of storm water runoff and its potential to affect the water quality. Activities that will supplement current activities that reduce or eliminate the impacts of storm water discharges will be developed and implemented within the permit term to increase the general involvement in the SWPPP throughout the community.

To comply with the minimum control measures for Public Participation/Involvement, the NDDOT will address the following areas:

1. Comply with all applicable city, state, and federal public notice requirements.
2. Determine the appropriate best management practices (BMPs) and measurable goals for these minimum control measures.

To address these areas the NDDOT recommends the following:

1. Develop a partnership with the nine MS4 permittees (**Williston, Dickinson, Mandan, Bismarck, Minot, Jamestown, West Fargo, Fargo, and Grand Forks**) to handle the responsibility for meeting the Public Participation / Involvement area.

The NDDOT contact will be:

Design Division
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Recommended goals for this area are:

Year 1 and 2: Develop a partnership with the nine MS4 permittees (**Williston, Dickinson, Mandan, Bismarck, Minot, Jamestown, West Fargo, Fargo, and Grand Forks**) to handle the responsibility for meeting the Public Participation / Involvement area. Submit annual report to North Dakota Department of Health on progress of partnership.

Year 3: Implement a partnership with the nine MS4 permittees to have permittee handle the responsibility for Public Participation / Involvement. Local MS4 permittee will submit annual report to North Dakota Department of Health.

Year 4 and 5: Continue partnership with nine MS4 permittees.

III. Illicit Discharge Detection and Elimination

Goals: The SWPPP activities implemented under Illicit Discharge Detection and Elimination will focus on developing, implementing, and enforcing a program that will reduce and eliminate the impacts of illicit discharges into the storm sewer system.

To comply with the minimum control measures for Illicit Discharge Detection and Elimination, the NDDOT will address the following areas:

1. Adopt ordinances and regulations created by the Local MS4 permittee that prohibit non-storm water discharge into the storm sewer system along with appropriate enforcement procedures and actions.
2. Educate public employees and commercial and industrial property owners on the hazards of improper waste disposal and ways to detect and eliminate illicit discharges. This information shall be provided through citizen watch groups, information brochures, and volunteer inspection programs of storm drain outfall.

To address these areas the NDDOT recommends the following:

1. Develop a partnership with the **nine MS4 permittees (Williston, Dickinson, Mandan, Bismarck, Minot, Jamestown, West Fargo, Fargo, and Grand Forks)** to handle the responsibility for Illicit Discharge Detection and Elimination.

The NDDOT contact will be:

Design Division
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Construction Division
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Maintenance Division
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Recommended goals for this area are:

- Year 1 and 2: Develop a partnership with the **nine MS4 permittees (Williston, Dickinson, Mandan, Bismarck, Minot, Jamestown, West Fargo, Fargo, and Grand Forks)** to handle the responsibility for meeting the Illicit Discharge Detection and Elimination.

Submit annual report to North Dakota Department of Health on progress of partnership.

Year 3: Implement a partnership with the **nine** MS4 permittees to have permittee handle the responsibility for meeting the Illicit Discharge Detection and Elimination. Local MS4 permittee will submit annual report to North Dakota Department of Health.

Year 4 and 5: Continue partnership with **nine** MS4 permittees.

IV. Construction Site Runoff Control

Goals: The SWPPP activities implemented under Construction Site Runoff Control will focus on developing, implementing, and enforcing a program that will reduce or eliminate the impacts of storm water runoff from construction activities that result in a land disturbance of greater than or equal to one acre into the storm sewer system during the permit term throughout the MS4s' and their Extra-Territorial Jurisdiction.

To comply with the minimum control measures for Construction Site Storm Water Runoff Control the NDDOT will address the following areas:

1. Develop, update, implement, and enforce a program that will address proper erosion and sediment control as well as reduce pollutants in the storm water from construction sites of more than one acre. This shall also include the control of construction site waste that may impact storm water runoff.
2. Revise existing and develop new procedures for the review of construction site plans for potential water quality impacts.
3. Develop procedures for site inspections and enforcement of control measures.
4. Determine the appropriate best management practices (BMPs) for Construction Site Storm Water Runoff Control.

5. Develop a system for receipt and consideration of public input concerning construction site discharges in conjunction with the local MS4 municipalities.

To address these areas the NDDOT recommends the following:

1. The NDDOT will continue to develop specifications for inclusion in NDDOT Standard Specifications for Construction to minimize erosion and sediment on its Projects.
2. Update construction standards for onsite erosion and sediment control, including recommended BMPs.
3. Continue to require review of storm water management plans for site plans on areas one acre or larger. Storm water management plans must include runoff plans as well as erosion and sediment control measures.
4. The NDDOT will develop an education program and provide proper training for NDDOT staff to perform review of storm water management plans.
5. Expand the inspection authority of the NDDOT staff to include the inspection of construction site runoff control and education and train the staff to perform these activities.
6. Establish penalties for contractors failing to comply with the storm water management plan by implementing either fines or notice of termination (stop work).

The NDDOT contact will be:

Design Division
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Construction Division
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Recommended goals for this area are:

Year 1 and 2: Develop and review construction standards for onsite erosion and sediment control, develop educational material and train personnel on the review of storm water management plans and inspection procedures. Develop penalties for contractors failing to comply with the storm water management plan. Submit annual report to North Dakota Department of Health. **Develop a system for receipt and consideration of public input concerning construction site discharges in conjunction with the local MS4 municipalities.**

Year 3: Implement construction standards for onsite erosion and sediment on its projects. Implement penalties for contractors failing to comply with the storm water management plan. Continue to train NDDOT personnel on review and inspection procedures. Submit annual report to North Dakota Department of Health.

Year 4 and 5: Continue site inspections and enforcement, submit annual report to North Dakota Department of Health.

V. Post-Construction Runoff Control

Goals: The SWPPP activities implemented under Post-Construction Runoff Control will focus on developing, implementing, and enforcing a program that will reduce or eliminate the potential negative impacts of storm water runoff.

To comply with the minimum control measures for Post-Construction Runoff Control the NDDOT will address the following areas:

1. Develop and implement strategies which include a combination of structural and/or non-structural best management practices (BMPs).

2. Ensure the adequate long-term operation and maintenance of said controls and determine appropriate best management practices and measurable goals for these minimum control measures.

To address these areas the NDDOT recommends the following:

1. Develop BMPs for post construction runoff water quality control as appropriate.
2. Develop long-term operation and maintenance of BMPs.

The NDDOT contact will be:

Design Division
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Construction Division
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Maintenance Division
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Recommended goals for this area are:

- Year 1 and 2: Develop BMPs for post construction runoff water quality control. Submit annual report to North Dakota Department of Health.
- Year 3: Implement BMPs for post construction runoff water quality control. Develop long-term operation and maintenance of BMPs. Submit annual report to North Dakota Department of Health.
- Year 4 and 5: Continue implementation of BMPs for post construction runoff water quality control. Implement long-term operation and maintenance of BMPs. Submit annual report to North Dakota Department of Health.

VI. Pollution Prevention/Good Housekeeping

Goals: The SWPPP activities implemented under Pollution Prevention / Good Housekeeping will focus on developing, implementing, and enforcing a program that will reduce or eliminate the impacts of storm water runoff from construction activities that result in a land disturbance of greater than or equal to one acre into the storm sewer system.

To comply with the minimum control measures for Pollution Prevention / Good Housekeeping the NDDOT will address the following areas:

1. Develop and implement an operation and maintenance program with the goal of reducing and preventing pollutant runoff from transportation operations into the storm sewer system.

To address these areas the NDDOT recommends the following:

1. Develop and implement an operation and maintenance program with the goal of reducing and preventing pollutant runoff from transportation facilities into the storm sewer system. **The NDDOT will identify areas within adjacent MS4's where NDDOT will maintain responsibility for pollution prevention and good housekeeping for storm water conveyances.**

The NDDOT contact will be:

Design Division
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Construction Division
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Maintenance Division
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Recommended goals for this area are:

- Year 1 and 2: Develop a partnership with the nine MS4 permittees (Mandan, Bismarck, West Fargo, Fargo, and Grand Forks) to handle the responsibility for Pollution Prevention / Good Housekeeping. Submit annual report to North Dakota Department of Health on progress of partnership. **Determine which areas are currently or may be the responsibility of the NDDOT adjacent to the MS4 communities.**
- Year 3: Implement a partnership with the **nine** MS4 permittees to have permittee handle the responsibility for Pollution Prevention / Good Housekeeping. Local MS4 permittee will submit annual report to North Dakota Department of Health.
- Year 4 and 5: Continue partnership with **nine** MS4 permittees.