ST [redacted] EPA

Stormwater Regulation Phase 2 EPA

TEXAS CITIES COALITION ON STORMWATER

PO Box 1568 Austin, Texas 78768-1568

(512) 404-7800 Fax (512) 703-2785

To: **TCCOS Participants**

From: **Jim Mathews**
Joe Freeland

Re: **Status Report**

Date: **April 22, 2004**

Appeal to the Supreme Court

The Coalition's petition for Writ of Certiorari has been filed and docketed with the United States Supreme Court (Docket 03-1125)(http://www.supremecourtus.gov/docket/03-1125.htm). A copy of the Petition can be found on the Coalition's web page http://www.mandf.com/tccos. The next step in the process is for the Court to decide whether to grant or deny the Petition. At the request of the Solicitor General, the Supreme Court has twice extended the deadline for the other parties in the suit to respond to the Coalition's petition for Writ of Certiorari. The current deadline is May 7, 2004. Assuming that the Solicitor General files EPA's response on May 7th, we can expect a decision on the Petition in June. If the Petition is granted, we will then have 45 days to file a brief and a joint appendix with record excerpts. EPA's reply brief would then be due 30 days later. Argument before the Court, if granted, would not be until the Court's next term, which starts in October.

EPA Activities

EPA did not appeal that part of the Ninth Circuit's decision holding that portions of EPA's Phase 2 rule relating to the processing of a notice of intent (NOI) violates the Clean Water Act. Specifically, the Ninth Circuit held that NOIs are the functional equivalents of permit applications and EPA or other permitting authorities must review the NOI to determine compliance with the "maximum extent practicable" standard and make NOIs available to the public and subject to public hearing requirements.

EPA's long-promised guidance for the regions and delegated states about how to proceed in light of the Ninth Circuit's decision was finally issued on April 16, 2004 (copy attached). The guidance directs the regions and states to: (1) provide public notice of NOIs, at least 30 days before authorization to discharge, by posting NOIs or information on how to obtain NOIs on the web, or by publishing public notices in newspapers or in any other effective manner; (2) provide an opportunity to request a public hearing on the NOI; and (3) conduct an "appropriate" review of NOIs to ensure consistency with the permit, *without actually approving the NOI or the minimum measures.*

This guidance does not appear to fully comply with the Ninth Circuit's opinion particularly with regard to the review to be performed by the permitting authorities. The Court expressly held that permitting authorities must determine, for each NOI, whether the minimum measures selected by the permittee will in fact satisfy the "maximum extent practicable" standard. EPA's guidance

merely suggests that the permitting authorities review the NOI for consistency with the permit. In fact, EPA's guidance suggests that the permitting authorities should never actually "approve" an NOI, which we assume to mean that the permitting authority should never actually determine whether the submitted minimum measures meet MEP. This approach does not give the environmental groups what they wanted and fails to provide permittees with the protection that they would receive if the permitting authority actually determined that the submitted plan met MEP.

We have argued from the beginning that permittees should get the full "permit shield" that can only be obtained from an affirmative determination by the permitting authority. With such a shield, permittees would be protected from mid-term re-determinations of the MEP standard. This would prevent inspectors from coming on site and continuously determining that additional minimum measures are necessary.

EPA's guidance regarding the opportunity for public hearing also appears to greatly exceed the scope of what can be accomplished by "guidance" rather than through "rulemaking." EPA recommends that permitting authorities include permit language that explains the standard by which the NOI will be judged and the procedures that will be used. Such standards and procedures arguably cannot be established through the terms of a permit.

The guidance will substantially increase the burden on permitting authorities. Hopefully, the permitting authorities will finally realize that the requirements to review and provide the opportunity for hearing for every NOI will be an expensive undertaking, particularly if all regulated small MS4s (including school and other districts) submit NOIs. We should be able to use this guidance document to gain some allies to lobby EPA, during the upcoming rulemaking regarding these issues, to move the Phase 2 program out of the NPDES program.

TCEQ Activities

TCEQ has taken no action to finalize its general permit for small MS4s because TCEQ has been waiting for EPA to issue guidance. TCEQ continues to process renewal of Phase 1 permits, but has not yet issued any such permit renewals.

Other States

The North Carolina Rules Review Commission overturned the state environmental agency's Phase 2 rules. The Commission's principle reason for overturning these rules was that the agency did not have statutory authority to force local governments to adopt regulatory ordinances. The Commission's decision is currently being challenged in North Carolina state district court.

Suggested Near-Term Activities

With the issuance of this guidance, TCEQ may feel compelled to issue a final general permit. Therefore, the Coalition needs to help TCEQ develop a position regarding EPA's guidance by meeting with TCEQ Commissioners and key staff members as soon as possible.

Please contact the Steering Committee to express your views on how the Coalition should proceed. A listing of Steering Committee members and other information may be found at the Coalition's web page http://www.mandf.com/tccos .

April 16, 2004

MEMORANDUM

Subject: Implementing the Partial Remand of the Stormwater Phase II Regulations Regarding Notices of Intent & NPDES General Permitting for Phase II MS4s

From: James A. Hanlon /s/
Director, Office of Wastewater Management

To: Water Management Division Directors, Regions I - X

The purpose of this memorandum is to provide guidance on implementing a partial remand of the Stormwater Phase II regulations. The U.S. Court of Appeals for the Ninth Circuit recently denied EPA's petition for rehearing in the Phase II litigation. Environmental Defense Center, et al. v. EPA, No. 70014 & consolidated cases (9th Cir., Sept. 15, 2003). The Department of Justice has informed us that further review by the U.S. Supreme Court is not available. This memorandum provides interim guidance to EPA and State NPDES permitting authorities pending a rulemaking to conform the Phase II rule to the court's order.

The Relevant Provisions of the Rules

This case challenged the NPDES stormwater regulations issued pursuant to Clean Water Act ("CWA") section 402(p)(6). That section directs EPA to "establish a comprehensive program to regulate" stormwater discharges designated by EPA. We commonly describe these regulations as stormwater "Phase II." The regulations require NPDES permits for discharges from certain municipal separate storm sewer systems ("MS4s") for which NPDES permits were not required under CWA section 402(p)(2) and the Phase 1 regulations.

The Phase II regulations require that MS4s reduce the discharge of pollutants "to the maximum extent practicable" (or "the MEP standard"). The regulations also require the MS4s to develop, implement and enforce a stormwater management program containing, among other things, best management practices ("BMPs") identified by the discharger. The regulations authorize the use of "general permits" and require that these BMPs (as well as measurable goals associated with these BMPs) be identified in the Notice of Intent ("NOI") filed by the MS4 in seeking authorization under a general permit. Relying on the "traditional" general permit model, the Agency did not require NOIs to be subject to public hearings.

The Ninth Circuit's Decision

The Ninth Circuit held that these NOI requirements violated various provisions of CWA section 402. They concluded that "the EPA's failure to require review of NOIs, which are the functional equivalents of permits under the Phase II General Permit option, and its failure to make NOIs available to the public or subject to public hearings contravene the express requirements of the Clean Water Act." The remand raises important questions regarding the procedures that would be appropriate for authorization of Phase II MS4 discharges *other than* through an individual permit.

In denying EPA's motion for rehearing the court "vacated" the portions of the Phase II rule that address the procedural issues relating to the general permitting option for Phase II MS4s. Therefore, the Agency needs to take affirmative action to clarify the general permitting option for Phase II MS4s. In any such action, we believe it is imperative that implementation of the MEP standard remain an "iterative" process that optimizes the reduction of stormwater pollutants, rather than a static pollution reduction requirement.

In looking at options for implementing the court's decision, we want to continue to provide States with maximum flexibility. Some State Phase II MS4 permitting procedures already appear to meet the court's intent and will not need changes. However, the general permits and procedures of other States, along with the provisions developed by EPA in States where EPA has program implementation responsibilities, will need to change. To assist MS4 permitting authorities in moving forward with implementing program revisions where needed, EPA provides the following recommendations to address the court's decision.

Guidance for Issuance of New General Permits

1. Public availability of NOIs The Phase II rules already require that Phase II MS4 permittees make the records of their stormwater management plans publicly available at reasonable times during regular business hours. 40 C.F.R. 122.34(g)(2). NOIs (which essentially summarize stormwater management plans) should also be made publicly available. Permitting authorities can ensure the public availability of Phase II MS4 NOIs by providing notice on the web of the facilities applying for coverage under a general permit with either an electronic posting of the NOIs or information on how NOIs can be accessed. NOIs could also be public noticed in a newspaper, or by another effective manner.

Unless a permitting authority has already otherwise incorporated public notice procedures into its processes for issuance of Phase II MS4 general permits, NPDES agencies that have not yet issued final permits should include permit language explaining that (and how) NOIs will be made available to the public with sufficient time to allow for meaningful public comment. EPA recommends that permitting authorities make the NOIs available to the public at least thirty days before authorization to discharge.

2. Opportunity for public hearing The court's decision requires that the public be given an opportunity to request a public hearing. If the Phase II MS4 general permittee provides public notice for the NOI, the permitting authority will still need to provide the public an opportunity to request a hearing. EPA recommends that permitting authorities include permit language explaining the process for requesting a public hearing on an NOI, the standard by which such requests will be judged, the procedures for conducting public hearing requests that are granted, and the procedures for permitting authority consideration of the information submitted at the hearing in determining whether to grant authorization to discharge to the submitter of the NOI. If a public hearing is requested, the permitting authority should consider both whether to grant a hearing and the range of options for the conduct of the hearing, including, for example, a single public hearing for consideration of multiple Phase II MS4 permittee NOIs.

3. Permitting Authority reviews of NOIs The permitting authority will need to conduct an appropriate review of Phase II MS4s' NOIs to ensure consistency with the permit. General permits should, to the extent practicable, specify in objective terms what is expected of a Phase II MS4 in order to meet the MEP standard. Due to the iterative nature of the MEP standard, we do not believe offieial "approval" of NOIs is necessary, but the general permits will need to specify when authorization occurs, such as after notice from the permitting authority that review is complete, or after a specified waiting period. EPA notes that this process does not preclude the permitting authority from denying an MS4 authorization to discharge. Either of these timing options should provide the permitting authority with sufficient time to review NOIs, to ensure that NOIs have been publicly available, and that there has been an opportunity to request a public hearing to provide input.

Guidance for General Permits Already Issued for MS4s

Permitting authorities that already have issued general permits should determine the most effective way to provide public notice and review of MS4 NOIs. Unless a permitting authority has already otherwise incorporated such procedures into its processes for issuance of Phase II MS4 general permits, NPDES agencies that have issued final permits should:

- List on the State or EPA Region's web site those MS4 permittees who have submitted NOIs and how NOIs can be reviewed by the public. Include information on how comments can be submitted and a hearing can be requested. If a public hearing is requested, the permitting authority should consider both whether to grant a hearing and the range of options for the conduct of the hearing, including, for example, a single public hearing for consideration of multiple Phase II MS4 permittee NOIs.

- Conduct an appropriate review of submitted NOIs (to determine compliance with the permit) and contact the MS4 when changes appear to be needed.

MS4s continue to have an obligation to apply for permit coverage, whether under an individual NPDES permit or an NPDES general permit. We do not believe that the court ruling

creates legal vulnerability for violations of the CWA for Phase II MS4 permittees that have filed timely applications, whether or not authorization has been granted. The Phase II regulations establish application deadlines, not authorization deadlines. Even when Phase II MS4 permittees are authorized, the regulations do not require immediate compliance with the MEP standard, i.e., development and full implementation of the Phase II MS4 stormwater management program. Instead, the permitting authority specifies the applicable time period, which maybe be as long as five years after permit issuance.

We request that you communicate this guidance to States within your Region which are authorized to administer the NPDES program. If you have questions or concerns, please contact Linda Boornazian at (202) 564-0221 or Wendy Bell at (202) 564-0746.

cc: Ben Grumbles, OW
NPDES Branch Chiefs, EPA Regions I - X
Susan Lepow, OGC
Mark Pollins, ORE
Robbi Savage, ASIWPCA

Nov. 2002

TPDES Draft Small MS4 Permit,
Comments

Part I. Definitions

Construction Site Operator

There is a difference in the definition of "construction site operator" between the draft TPDES MS4 and Construction permits. In the draft MS4 permit TCEQ defines an operator as someone who has control over construction plans and specifications AND that has day-to-day operational control of the site. Under the Construction permit, the definition includes anyone with control over plans OR day-to-day operations as an operator. TCEQ may want to consider a different term for the Construction Site Operator for the purposes of the MS4 permit, possibly "Municipal Construction Activities Operator," to avoid confusion.

This definition may be a good candidate for guidance provided in a companion guidance document to the final rule. If the intent is that a municipal official have oversight authority over BMP design, installation and maintenance, guidance stating this would be helpful. Example language for contracts with construction vendors should be considered for a guidance document also.

Co-permittee

Reference is made to *Co-permittee* at V.B.2.j. (Annual Report). The potential relationship between a permittee under the general permit and a permittee under an individual permit is not clear in the permit. (The term co-permittee is not found in any other part of the permit. This may be an issue for a guidance document.)

Daily Maximum

The term *Daily Maximum* that is used to describe sampling requirements at Part IV. (Numeric Effluent Limitations) and also at Part VII. D. (Authorization for Municipal Construction Activities) is subject to interpretation. A clear definition should be included in the permit.

Industrial Activity

The term *Industrial Activity* as used at Part III. A. 4. (e) (Good Housekeeping minimum measure) is subject to interpretation. A clear definition should be included in the permit.

Major Outfall

The term *Major Outfall* creates concern in that it requires an area calculation to be made for determining an outfalls status. This puts a heavy requirement for accurate mapping on MS4s that have limited resources for mapping. Major Outfall could be defined in a less stringent manner, or the mapping requirement at III. 3.(d)(2) could be an option to mapping all outfalls as in the NPDES requirements. The limited resources of small MS4s are likely more suited to identifying all outfalls as opposed to identifying those meeting specific drainage criteria.

Major Waters

The term *Major Waters* as used at Part II. D. 4. (b) (9) (contents of NOI, site information) is subject to interpretation. A clear definition should be included in the permit, or if not defined in the final rule, guidance on this term should be provided in a guidance document companion to the final rule.

Notice of Change (NOC)

The term Notice of Change should be defined in the permit, or if not defined in the final rule, guidance on this term should be provided in a guidance document companion to the final rule.

Notice of Termination (NOT)

The term Notice of Termination should be defined in the permit, or if not defined in the final rule, guidance on this term should be provided in a guidance document companion to the final rule.

Outfall

The term *Outfall* should be defined in the permit, or if not defined in the final rule, guidance on this term should be provided in a guidance document companion to the final rule.

Part II. Permit applicability and Coverage

II. A. 1. MS4s Located in an Urbanized Area
Do permit requirements apply to the entire system of an affected MS4?

Federal NPDES permit requirements are specific to the designated urbanized area and do not apply to all of the affected MS4. The TPDES permit specifies, "*Small municipal separate storm sewer systems located in the state of Texas may discharge directly to surface water in the state only according to monitoring requirements and other conditions set forth in this general permit...*". This seems to intend that an MS4 meeting the eligibility requirement at Part II. A. 1. (*An MS4 that is fully or partially located within an urbanized area...*) must apply permit requirements to all discharges of the MS4, whether in the urbanized area or not.

II. C. 1. Discharges Authorized by Another TPDES Permit
The NPDES permit requires that an MS4 covered by an individual permit provide the total square miles of the system [122.33 (b)(2)(i)] if seeking coverage under the general permit - TPDES does not. Is this intentional?

II. D. 1. Application for Coverage
Permittees get provisional authorization 2 days after the NOI is postmarked for delivery to TCEQ (24 hrs after confirmation receipt for electronic NOI). No timeframe is given for TCEQ review of NOI submittal (Executive Director response). Does provisional authorization give approval for the submitted SWMP such that a municipality can implement the SWMP with an understanding that it is in compliance with the general permit?

II. D. 1. a) MS4s Located in an Urbanized Area
Does not address the event of the permit effective date occurring after December 9. Does the 90-day timeframe for submittal of the NOI apply for effective permit dates later than December 9?

II. D. 4.(b) Contents of the Notice of Intent
(1) The site information request for "the name, physical description, and latitude and longitude of the approximate center of the MS4" is impractical. Unlike most cities, urban counties are not likely to have a contiguous boundary to define the urbanized area. If a lat/long is needed to attach GIS information, a county may specify a generic location for data purposes, or the TCEQ may select a point from the urbanized area map. If a change is the final rule is not made, guidance on this point should be provided in a companion guidance document to the final rule.
(5) The requirement for contact information for "...*<u>any</u> person(s) responsible for implementing or coordinating the SWMP" is* ambiguous. The word *any* should be changed to *designated* to clarify and make this practical to implement. .
(9) The requirement to list "...*all major water(s) receiving discharges form the MS4*" is ambiguous. The term *major water(s)* must be defined, or might be changed to waters of the U.S. to clarify.
(10) The term *major water(s)* must be defined.

II. D. 5. Notice of Change (NOC)
The term *relevant* is unclear and could be seen as an opportunity for the TCEQ to define what is required (and hence what is compliant) on a case by case basis. All the information submitted as part of the NOI listed under II.D.4. seems relevant. Consider removing the term *relevant.*

II. E. 1. (b) Responsibilities

The language in this paragraph may be slightly misleading and may discourage cooperative efforts by implying that failure of a cooperative partner would necessitate enforcement against the MS4 that had expected to receive the benefit of the cooperative arrangement. A possible language change might be as follows:
Each permittee is entirely responsible for meeting SWMP requirements within the boundaries of their MS4, to include providing a schedule for alternative SWMP components if a cooperative partner fails to provide expected components.

II. G. Designation Criteria

TCEQ is applying the designation criteria to ALL entities and not limiting it to EPA's suggestion of entities with a population of at least 10,000 and 1,000 persons per square mile, nor to consideration of high growth potential or contiguity to an urbanized area.

The designation criteria list should be more specific in whom it addresses. The wording *with consideration* leaves room for questions and interpretation, and therefore there is no simple way to determine if your community may be designated.

Part III. Storm Water Management Program

Minimum Control Measure:
III. A. 1. Public Education

Comparison of federal (NPDES) and state (TPDES) draft general permits

NPDES	DRAFT TPDES (Differences noted in bold)
Public education and outreach on storm water impacts. (i) You must implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.	1. Public Education and Outreach on Storm Water Impacts (a) A public education program to distribute educational materials to the community or conduct equivalent outreach activities that will be used to inform the following groups within the MS4 area: **(1) residents;** **(2) *visitors*;** **(3) public service employees;** **(4) businesses;** **(5) commercial and industrial facilities; and** **(6) construction site personnel.** The outreach must inform the public about the impacts polluted storm water run-off can have on water quality, hazards associated with illegal discharges and improper disposal of waste, and ways they can minimize their impact on storm water quality. **(b) Via documentation, the MS4 operator must ensure that a reasonable attempt was made to reach *all* constituents within the MS4 area to meet this measure.**
Comment: Propose that the "visitors" requirement be deleted because it is an unreasonable use of city resources. **Comment**: Propose that "all" be deleted from paragraph (b) to make it workable.	

Minimum Control Measure:
III. A. 2. Public Involvement

Comparison of federal (NPDES) and state (TPDES) draft general permits

NPDES	DRAFT TPDES (Differences noted in bold)
Public involvement/participation. (i) You must, at a minimum, comply with State, Tribal and local public notice requirements when implementing a public involvement/ participation program.	Public Involvement/Participation (a) **Identify and implement a public involvement and participation program. This must include provisions to allow opportunities for all constituents within the MS4 area to participate in the storm water management program development and implementation.** (b) The MS4 operator must, at a minimum, comply with State and local public notice requirements when implementing a public involvement/participation program. (c) **The MS4 operator must, via documented efforts, ensure that sufficient opportunities were allotted to involve all constituents interested in participating in the program process to meet this measure. Correctional facilities will not be required to implement this MCM.**
Comment: Paragraph (b) should be sufficient for compliance at the level that most Phase II entities are capable of with their limited resources (which seems to be the intent of NPDES). Paragraphs (a) and (c) are not specifically seen as beneficial and should be removed or, at the minimum, guidance on the TPDES intent to go beyond NPDES should be provided. **Comment**: If paragraphs (a) and (c) remain in the permit, the word "all" should be deleted in paragraphs (a) and (b), and "must" should be changed to "may or should" in paragraphs (a) and (b).	

Minimum Control Measure:
III. A. 3. Illicit Discharges

Comparison of federal (NPDES) and state (TPDES) draft general permits

NPDES	Draft TPDES (Differences noted in bold)
Sec. 122.34 (b) (3) Illicit discharge detection and elimination. (i) You must develop, implement and enforce a program to detect and eliminate illicit discharges (as defined at Sec. 122.26(b)(2)) into your small MS4. (ii) You must: (A) Develop, if not already completed, a storm sewer system map, showing the location of all outfalls and the names and location of all waters of the United States that receive discharges from those outfalls; (B) To the extent allowable under State, Tribal or local law, effectively prohibit, through ordinance, or other regulatory mechanism, non-storm water discharges into your storm sewer system and implement appropriate enforcement procedures and actions; (C) Develop and implement a plan to detect and address non-storm water discharges, including illegal dumping, to your system; and (D) Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste. (iii) You need address the following categories of non-storm water discharges or flows (i.e., illicit discharges) only if you identify them as significant contributors of pollutants to your small MS4: water line flushing, landscape irrigation, diverted stream flows, rising ground waters, uncontaminated ground water infiltration (as defined at 40 CFR 5.2005(20)), uncontaminated pumped ground water, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool discharges, and street wash water (discharges or flows from fire fighting activities are excluded from the effective prohibition against non-storm water and need only be addressed where they are identified as	Part III. A. 3. Illicit Discharge Detection and Elimination (a) Illicit Discharges A section within the SWMP must be developed to establish a program to detect and eliminate illicit discharges to the MS4. The SWMP must include the **manner, ordinance or other regulatory mechanism**, used to effectively prohibit illicit discharges. (1) Detection The SWMP must list the techniques used for detecting illicit discharges. (2) Elimination The SWMP must include appropriate enforcement procedures and actions for removing the source of an illicit discharge. (b) Non-Storm Water Discharges A section within the SWMP must be developed to establish a program to detect and address non-storm water discharges and illegal dumping to the MS4. **All non-storm water flows, including those listed in Part II.B. and Part VII.B., must be considered by the permittee to determine if they are a significant contributor of pollutants to the MS**4. All non-storm water discharges that **significantly contribute** pollutants to the MS4 must be effectively prohibited. The prohibition must be done through an ordinance, or other regulatory mechanism **unless the MS4 operator does not have the authority** to develop ordinances or other regulatory mechanisms. The regulations must include appropriate enforcement procedures and actions. Fire fighting activities are excluded from being prohibited and only need to be addressed if they are determined to be a significant contributor of pollutants to the MS4. (c) Incidental Non-Storm Water Discharges A list of occasional incidental non-storm water discharges that will not be addressed as illicit discharges may also be developed. If developed, the listed discharges must not be reasonably expected to be significant sources of pollutants, because of either the nature of the discharge or the conditions that have been

significant sources of pollutants to waters of the United States).	established for allowing these discharges to the MS4. Any local controls or conditions placed on these discharges must be documented in the SWMP. **The SWMP must also include a provision prohibiting any individual non-storm water discharge that is determined to be contributing significant amounts of pollutants to the MS4** (d) Storm Sewer Map (1) A map of the storm sewer system must be developed and must include the following: (i) **the location of storm sewer pipes, ditches, and other conveyances owned by the permittee, or at a minimum, the drainage area for each outfall;** (ii) **the location of all major outfalls**; and (iii) the names and locations of all waters of the U.S. that receive discharges from the outfalls. (2) **The SWMP must include the source of information used to develop the storm sewer map, including how the outfalls were verified and how the map will be regularly updated.**

Comment: Where the NPDES specifies a program must prohibit non-storm water discharges through ordinance, or other regulatory mechanism *to the extent allowable under State, Tribal or local law*, the TPDES language allows for *other regulatory mechanism* in paragraph "(b) Non-Storm Water Discharges", but not in "(a) Illicit Discharges". The allowance for *other regulatory mechanism* should be included in all sections requiring an ordinance.

Comment: The NPDES requirements list non-storm water discharges that should be addressed only if determined to contribute pollutants (also referred to as allowable discharges). In Part II. B. the TPDES permit states that these same discharges are not required to be addressed provided they have not been determined to be substantial sources of pollutants. However, in paragraph a) 2. the TPDES permit states that these discharges "must be considered by the permittee to determine if they are a significant contributor of pollutants to the MS4". This seems to remove the assumption that these discharges are allowable, and requires that the discharges be proved to be allowable. This language should be changed to clarify that these discharges do not require proof or verification of non-significance. At the minimum, guidance should be provided to clarify that the intent of TPDES is not to exceed NPDES provisions on allowable discharges.

Comment: The only reference to *individual* non-storm water discharges in the above NPDES text is "individual residential car washing" in the list of allowable non-storm water discharges. The TPDES permit has a specific requirement for "a provision prohibiting any individual non-storm water discharge that is determined to be contributing significant amounts of pollutants to the MS4". Is this intended to require the prohibition of individual residential car washing?

Comment: NPDES mapping requirements are only to identify the outfalls of the MS4 system and to name the receiving waters. TPDES requires a map of "storm sewer pipes, ditches, and other conveyances" or at a minimum "the drainage area for each outfall". TPDES also requires the location of all major outfalls and the source of information used to develop the storm sewer map, including how the outfalls were verified and how the map will be regularly updated. This puts a heavy requirement for accurate mapping on MS4s that have limited resources for mapping. Major Outfall could be defined in a less stringent manner, or the mapping requirement at could be made an option to mapping all outfalls as in the NPDES requirements. The limited resources of small MS4s are likely more suited to identifying all outfalls, as opposed to identifying those meeting specific drainage criteria.

Minimum Control Measure:
III. A. 4. Pollution Prevention/Good Housekeeping for Municipal Operations

Comparison of federal (NPDES) and state (TPDES) draft general permits

NPDES	Draft TPDES (Differences noted in bold)
Sec. 122.34 (b) (6) Pollution prevention/good housekeeping for municipal operations. (i) You must develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. Using training materials that are available from EPA, your State, Tribe, or other organizations, your program must include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance.	Part III. A. 4. Pollution Prevention/Good Housekeeping for Municipal Operations A section within the SWMP must be developed to establish an operation and maintenance program. The operation and maintenance program must have the ultimate goal of identifying methods and practices for conducting municipal operations in a manner to prevent or reduce pollution in storm water runoff. **(a) Good Housekeeping and Best Management Practices** Controls must be used to reduce or eliminate the discharge of pollutants when runoff from municipal operations **is determined to be a significant contributor** of pollution to the MS4. Examples of municipal operations and municipally owned areas include, but are not limited to: (1) park and open space maintenance; (2) street, road, or highway maintenance; (3) fleet and building maintenance; (4) storm water system maintenance; (5) new construction and land disturbances. (6) municipal parking lots; (7) vehicle and equipment maintenance and storage yards; (8) waste transfer stations; and (9) salt/sand storage locations. (b) Training A training program must be developed for all employees responsible for municipal operations subject to the pollution prevention/good housekeeping program. The training program must include training materials directed at preventing and reducing storm water pollution from municipal operations. Examples or descriptions of training materials being used must be included in the SWMP. (c) **Structural Control Maintenance** **If best management practices include structural controls, maintenance of the controls must be performed at a frequency**

	determined by the MS4 operator and consistent with maintaining the effectiveness of the BMP. The SWMP must list all of the following: (1) maintenance activities; (2) maintenance schedules; and **(3) long-term inspection procedures for controls used to reduce floatables and other pollutants.** (d) **Disposal of Waste** Waste removed from the MS4, from structural controls, or collected as a result of municipal operations and maintenance activities must be properly disposed. A section within the SWMP must be developed to include procedures for the proper disposal of waste, including: (1) dredge spoil; (2) accumulated sediments; and floatables. (e) **Municipal Operations and Industrial Activities** The SWMP must include a list of all: (1) municipal operations that are subject to the operation, maintenance, or training program developed under the conditions of this section; and (2) municipally owned or operated industrial activities that are subject to TPDES storm water regulations. The SWMP must include a individual permit number, general permit authorization number, or a copy of a signed NOI or NEC (no exposure certification form for TPDES General Permit TXR050000) for each industrial activity conducted by the MS4 and subject to TPDES storm water regulations. If an NOI or NEC has been submitted, but an acknowledgment has not yet been received from the TCEQ, a copy of the submitted NOI or NEC Form may be made readily available.

Comment: Part III.A.4.(a) Provides for controls when runoff "*is determined to be a significant contributor*". This is ambiguous as to who will make the determination (MS4 operator or TCEQ or citizens group). Some guidance on identifying *significant contributor* would be helpful. Consider changing the text to read: "*...is determined by the MS4 operator to be a significant contributor*"

Minimum Control Measure:
III. A. 5. Construction Site Storm Water Runoff Control

Comparison of federal (NPDES) and state (TPDES) draft general permits

NPDES	Draft TPDES
(i) You must develop, implement, and enforce a program to reduce pollutants in any storm water runoff to your small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of storm water discharges from construction activity disturbing less than one acre must be included in your program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. (ii) Your program must include the development and implementation of, at a minimum: (A) An ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under State, Tribal, or local law; (B) Requirements for construction site operators to implement appropriate erosion and sediment control best management practices [BMPs]; (C) Requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality; (D) Procedures for site plan review which incorporate consideration of potential water quality impacts; (E) Procedures for receipt and consideration of information submitted by the public; (F) Procedures for site inspection and enforcement of control measures.	The MS4 operator must develop, implement, and enforce a program to reduce pollutants in any storm water runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre or if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. The MS4 operator is not required to develop, implement, and/or enforce a program to reduce pollutant discharges from sites that the TCEQ has waived the permitting requirements for storm water discharges associated with small construction activities. (a) The program must include the development and implementation of, at a minimum, an ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable *under State and local law.* b) Requirements for construction site contractors to, at a minimum: (1) implement appropriate erosion and sediment control best management practices; and (2) control waste such as discarded building materials, concrete truck washout water, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality; (c) The MS4 operator must develop procedures for: (1) site plan review which incorporate consideration of potential water quality impacts; (2) receipt and consideration of information submitted by the public; and (3) site inspection and enforcement of control measures.

Comment: II. A. (5)(a) Construction Site Storm Water Runoff Control
The language that provides for development and implementation of an ordinance or other regulatory mechanism "*...to the extent allowable under State and local law*" needs to be included at paragraphs (b) and (c) of this section, or in the beginning paragraph before (a).

Minimum Control Measure:
III. A. 6. Post-Construction Storm Water Management in New Development and Redevelopment

Comparison of federal (NPDES) and state (TPDES) draft general permits

NPDES	Draft TPDES
You must develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into your small MS4. Your program must ensure that controls are in place that would prevent or minimize water quality impacts. You must: • Develop and implement strategies which include a combination of structural and/or non-structural best management practices (BMPs) appropriate for your community; • Use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under State, Tribal or local law; • Ensure adequate long-term operation and maintenance of BMPs.	The MS4 operator must develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale that will result in disturbance of one or more acres, that discharge into the small MS4. The program must ensure that controls are in place that would prevent or minimize water quality impacts; (a) Develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for your community; (b) Use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under State and local law; and (c) Ensure adequate long-term operation and maintenance of BMPs.
(no comments)	

III. A. 7. Authorization for Municipal Construction Activities

This section requires that the MS4 meet the definition of "construction site operator," which for this permit includes both control over the plans and specifications and day-to-day operational control over activities to ensure compliance with the SWPPP. There is concern that when an MS4 uses a construction contractor rather than internal resources, the MS4 may not meet the definition of construction site operator, if the day-to-day operation control component is strictly interpreted.

Part IV. Numeric Effluent Limitations

There is no language to support the *Daily Maximum* monitoring requirement, specifically, references for approved sampling method, definition for Daily Maximum, and a definition for annual monitoring frequency, reference to Attachment 2 the discharge monitoring report, and reporting requirements should be here.

Part V. Recordkeeping and Reporting

V. A.1. Recordkeeping

Extension of the records retention time needs clarification on how notification will be made by the Executive Director to the MS4 that the time has been extended. Text should be included stating that the requirement to maintain records for a specific time will be initiated by or contingent upon the MS4 receiving notification from the Executive Director.

V. A.3. Open Records

The public must request copies of the NOI and SWMP in writing. Those documents must be made available within 2 working days of receiving the request. Requests for other supporting records must be provided within 10 working days, or within a reasonable and lawful amount of time as stipulated by the Public Information Act. This situation gives two separate time frames in which you must provide information. It would be more beneficial to be consistent with the existing Public Information Act.

V. B.1. (a) Noncompliance Notification

More appropriate language here would be Unauthorized Discharge Notification instead of Noncompliance Notification.

V. B. 2. Annual Report

The March 31st deadline is unclear. This date may be unrealistic by not allowing the permittees a long enough time frame to complete the report. Since the permit is expected to become effective in December, the text should specify that a "year of the permit term" be from December to December. Permittees should have at least 90 days to complete the annual report.

A specific timeframe should be given for TCEQ to review and comment on each annual report. After the specified time has passed, the annual reports should be approved whether or not TCEQ reviewed them. Spending resources unknowingly on a non-compliant SWMP is a concern for the MS4.

V.B.2. (c) BMP Credits

For inclusion of existing BMPs, *"Any MCM activities initiated before permit issuance (up to three years) may be included..."* This time frame should go beyond three years. It states on page 19 of the permit, " Existing programs or BMPs may be used to fulfill the

requirements of this general permit." This does not specify any time and therefore should allow the permittee to include any activities it has performed in the past.

V.B.2. (e) BMP Credits

Section (e) should be removed since an implementation schedule is already provided in the plan.

Part VII. Authorization for Municipal Construction Activities

VII.G.2.

The word "operators" should be changed to "contractors" since the MS4 is the sole operator under this permit.

VII.J.5.

Section refers to submission of an NOT, but NOTs are not required for Municipal Construction Activities.

VII.J.9.(a)

Regarding inspection of controls to be included in the SWP3. Is the intent to allow for only monthly inspections during seasonal arid conditions, or is the exemption limited only to areas that have been finally or temporarily stabilized? If the area is not stable, monthly inspections during the dry season will not be enough to control dirt entry to a storm sewer conduit without a rain event (direct dumping to the system). Disregard for sediment controls increases during the dry season because, on one hand, rain is not expected, but on the other, it is the busiest time for most of the construction sites.

Clerical Observations

Part I. Definitions

Best Management Practices
For clarification the definition of at Part I. should read: Best Management Practices (BMPs) - schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution *in storm water*.

Small Municipal Separate Storm Sewer System
The definition is duplicated in this part.

Urbanized Area
Restructure as below to be clear that the Census bureau is defining the area of high population density and not multiple MS4s:
An area of high population density ~~*that may include multiple MS4s*~~ as defined and used by the U.S. Census Bureau in the 1990 and 2000 decennial census *that may include multiple MS4s.*

Part II. A. 5. Construction Site Storm Water Runoff Control
Restructure as below:
The MS4 operator is not required to develop, implement, and/or enforce a program to reduce pollutant discharges from sites ~~*that*~~ *where* the TCEQ has waived the permitting requirements for storm water discharges associated with small construction activities.

Part II. D. 1. Application for Coverage
In the 7th line, *NOT* should read *NOI.*

Part V.B.2.(k) Reporting
Sign and certify annual report in accordance with *Part VII.E.1.(a)* – should the reference be *to VI. 6.* or *II.D.4.(b)(8)*?

Part VII. E.5.
Restructure as below:
" ...are aware that municipal personnel ~~*that*~~ are responsible for day to day operations of the SWP3..."

SWPPP

operator is subject to the requirements for updating the Part A application under 40 Code of Federal Regulations §270.10(g), as amended and adopted in the Code of Federal Regulations through June 29, 1995, (see 60 FedReg 33911).

(e) Applications for hazardous and nonhazardous disposal well permits shall be processed in accordance with this chapter for the benefit of the state and the preservation of its natural resources.

Adopted November 20, 2001 Effective December 16, 2001

§305.43. Who Applies.

(a) It is the duty of the owner of a facility to submit an application for a permit; however, if the facility is owned by one person and operated by another and the executive director determines that special circumstances exist where the operator or the operator and the owner should both apply for a permit, and for all Texas pollutant discharge elimination system (TPDES) permits, it is the duty of the operator and the owner to submit an application for a permit.

(b) For solid waste and hazardous waste permit applications, it is the duty of the owner of a facility to submit an application for a permit, unless a facility is owned by one person and operated by another, in which case it is the duty of the operator to submit an application for a permit.

Effective October 8, 1990

§305.44. Signatories to Applications.

(a) All applications shall be signed as follows:

(1) For a corporation, the application shall be signed by a responsible corporate officer. For purposes of this paragraph, a responsible corporate officer means a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate positions rather than to specific individuals.

(2) For a partnership or sole proprietorship, the application shall be signed by a general partner or the proprietor, respectively.

(3) For a municipality, state, federal, or other public agency, the application shall be signed by either a principal executive officer or a ranking elected official. For purposes of this paragraph, a principal executive officer of a federal agency includes the chief executive officer of the

agency, or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g. regional administrator of the United States Environmental Protection Agency).

(b) A person signing an application shall make the following 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 assure 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

(c) For hazardous solid waste permit applications, the owner and operator of a facility must sign the application.

(d) For radioactive material license applications under Chapter 336 of this title (relating to Radioactive Substance Rules), the applicant or person duly authorized to act for and on the applicant's behalf must sign the application.

Adopted May 14, 1997 Effective June 5, 1997

§305.45. Contents of Application for Permit.

(a) Forms for permit applications will be made available by the executive director. Each application for permit shall include the following:

(1) the name, mailing address, and location of the facility for which the application is submitted;

(2) the ownership status as federal, state, private, public, or other entity;

(3) the applicant's name, mailing address, and telephone number;

(4) a brief description of the nature of the business;

(5) the activities conducted by the applicant which require a permit;

(6) a topographic map, ownership map, county highway map, or a map prepared by a registered professional engineer or a registered surveyor which shows the facility and each of its intake and discharge structures and any other structure or location regarding the regulated facility and associated activities. Maps must be of material suitable for a permanent record, and shall be on sheets 8-1/2 inches by 14 inches or folded to that size, and shall be on a scale of not less than one inch equals one mile. The map shall depict the approximate boundaries of the tract of land owned or to be used by

(C) Unauthorized wastes. Wastes not authorized by permit are prohibited from being transported to, stored, and processed or disposed of in a permitted facility.

(6) Permit conditions. All permit conditions shall be incorporated either expressly or by reference. If incorporated by reference, a specific citation to the applicable rules or requirements must be given in the permit.

Adopted August 23, 2000 Effective September 14, 2000

§305.128. Signatories to Reports.

(a) All reports requested by permits and other information requested by the executive director shall be signed by a person described in §305.44(a) of this title (relating to Signatories to Applications) or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) the authorization is made in writing by a person described in §305.44(a) of this title (relating to Signatories to Applications);

(2) the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity or for environmental matters for the applicant, such as the position of plant manager, operator of a well or well field, environmental manager, or a position of equivalent responsibility. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and

(3) the written authorization is submitted to the executive director.

(b) If an authorization under this section is no longer accurate because of a change in individuals or position, a new authorization satisfying the requirements of this section must be submitted to the executive director prior to or together with any reports, information, or applications to be signed by an authorized representative.

(c) Any person signing a report required by a permit shall make the certification set forth in §305.44(b) of this title (relating to Signatories to Applications).

Adopted Effective October 8, 1990

§305.129. Variance Procedures.

The following regulations contained in 40 Code of Federal Regulations, which are in effect as of the date of Texas pollutant discharge elimination system TPDES program authorization, as amended, are adopted by reference:

United States Environmental Protection Agency | Office of Water (4203) | EPA 833-F-00-003 January 2000 Fact Sheet 2.1

Storm Water Phase II Final Rule

Who's Covered? Designation and Waivers of Regulated Small MS4s

Who Is Affected by the Phase II Small MS4 Program?

The Storm Water Phase II Final Rule applies to operators of *regulated small* municipal separate storm sewer systems (MS4s), which are designated based on the criteria discussed in this fact sheet. In this fact sheet, the definition of an MS4 and the distinction between small, medium, and large MS4s is reviewed. Conditions under which a small MS4 may be designated as a *regulated* small MS4, as well as the conditions for a waiver from the Phase II program requirements, are outlined. This fact sheet also attempts to clarify possible implementation issues related to determining one's status as an operator of a regulated small MS4.

What Is a Municipal Separate Storm Sewer System (MS4)?

What constitutes an MS4 is often misinterpreted and misunderstood. The term MS4 does not solely refer to municipally-owned storm sewer systems, but rather is a term of art with a much broader application that can include, in addition to local jurisdictions, State departments of transportation, universities, local sewer districts, hospitals, military bases, and prisons. An MS4 also is not always just a system of underground pipes – it can include roads with drainage systems, gutters, and ditches. The regulatory definition of an MS4 is provided below.

According to 40 CFR 122.26(b)(8), "***municipal separate storm sewer*** means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

(i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law)...including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the Clean Water Act that discharges into waters of the United States.

(ii) Designed or used for collecting or conveying storm water;

(iii) Which is not a combined sewer; and

(iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2."

What Is a Small, Medium, or Large MS4?

- EPA's NPDES (National Pollutant Discharge Elimination System) storm water permitting program labels MS4s as either "small," " medium," or "large" for the purposes of regulation.

- A ***small*** **MS4** is any MS4 that is not already covered by the Phase I storm water program. Small MS4s include Federally-owned systems, such as military bases.

- The Phase I storm water program covers *medium* and *large* MS4s. Phase I MS4s were automatically designated nationwide as ***medium*** **MS4s** if they were located in an incorporated place or county with a population between 100,000 - 249,999 or as ***large*** **MS4s** if located in an incorporated place or county with a population of 250,000 or greater. Many MS4s in areas below 100,000 in population, however, have been individually brought into the Phase I program by NPDES permitting authorities. Such already regulated MS4s do not have to develop a Phase II program.

Are All Small MS4s Covered by the Phase II Final Rule?

No. The universe of small MS4s is quite large since it includes every MS4 except for the approximately 900 medium and large MS4s already regulated under the Phase I storm water program. Only a select sub-set of small MS4s, referred to as ***regulated*** **small MS4s**, is covered by the Phase II Final Rule, either through automatic nationwide designation or designation on a case-by-case basis by the NPDES permitting authority.

How Is A Small MS4 Designated as a Regulated Small MS4?

A small MS4 can be designated by the permitting authority as a *regulated* small MS4 in one of three ways:

❶ Automatic Nationwide Designation

The Phase II Final Rule requires nationwide coverage of all operators of small MS4s that are located within the boundaries of a Bureau of the Census-defined "urbanized area" (UA) based on the latest decennial Census. Once a small MS4 is designated into the program based on the UA boundaries, it cannot be waived from the program if in a subsequent UA calculation the small MS4 is no longer within the UA boundaries. An automatically designated small MS4 remains regulated unless, or until, it meets the criteria for a waiver.

- ***Urbanized Areas***

> An ***urbanized area*** **(UA)** is a land area comprising one or more places – central place(s) – and the adjacent densely settled surrounding area – urban fringe – that together have a residential population of at least 50,000 and an overall population density of at least 1,000 people per square mile. It is a calculation used by the Bureau of the Census to determine the geographic boundaries of the most heavily developed and dense urban areas.

Before the time of permit issuance (which must be by December 9, 2002), UA calculations based on the 2000 Census should be published. The regulated universe then will be based on these new calculations. For more information on UAs, see Fact Sheet 2.2.

- ***Preamble of the Phase II Final Rule: Appendix 6***

A listing of governmental entities that are located either fully or partially within a UA according to the 1990 Census can be found in Appendix 6 to the Preamble. The list is a general geographic reference intended to help operators of small MS4s determine whether or not they are located in a UA and, consequently, required to comply with the regulation; it is not a list of all Phase II regulated MS4s. For example, the list does not include small MS4 operators such as colleges and universities, Federal prison complexes, and State highway departments located within a UA. See Fact Sheet 2.2 for more information on how to determine potential coverage under the Phase II program. Appendix 6 can be obtained from the EPA Office of Wastewater Management (OWM) or downloaded from the OWM web site.

❷ Potential Designation by the NPDES Permitting Authority – Required Evaluation

An operator of small MS4 located outside of a UA may be designated as a regulated small MS4 if the NPDES permitting authority determines that its discharges cause, or have the potential to cause, an adverse impact on water quality. The Phase II Final Rule requires the NPDES permitting authority to develop a set of designation criteria and apply them, *at a minimum*, to all small MS4s located outside of a UA serving a jurisdiction with a population of at least 10,000 and a population density of at least 1,000 people/square mile.

❑ ***Designation Criteria***
EPA recommends that the NPDES permitting authority use a balanced consideration of the following designation criteria on a watershed or other local basis:

- ✔ Discharge to sensitive waters;
- ✔ High population density;
- ✔ High growth or growth potential;
- ✔ Contiguity to a UA;
- ✔ Significant contributor of pollutants to waters of the United States; and
- ✔ Ineffective protection of water quality concerns by other programs.

❑ ***Preamble of the Phase II Final Rule: Appendix 7***
A listing of governmental entities located outside of a UA, that have a population of at least 10,000 and a population density of at least 1,000 people per square mile can be found in Appendix 7 to the Preamble of the Phase II Final Rule. Similar to Appendix 6, the list is a geographic reference only – it is not a list of regulated entities. Operators of small MS4s located within a listed area could be examined by their NPDES permitting authority for potential designation into the Phase II program. Furthermore, the NPDES permitting authority reserves the right to designate for regulation any small MS4 that is contributing pollutants to waters of the United States, whether or not its jurisdiction is found in Appendix 7. Appendix 7 can be obtained from the EPA Office of Wastewater Management or downloaded from the OWM web site.

❑ ***Deadline for Designation***
The NPDES permitting authority is required to designate small MS4s meeting the designation criteria by December 9, 2002 or by December 8, 2004 if a watershed plan is in place.

❸ Potential Designation by the NPDES Permitting Authority – Physically Interconnected

Under the final rule, the NPDES permitting authority is required to designate any small MS4 located outside of a UA that contributes substantially to the pollutant loadings of a *physically interconnected* MS4 regulated by the NPDES storm water program. The final rule does not set a deadline for designation of small MS4s meeting this criterion.

> ***Physically interconnected*** means that one MS4 is connected to a second MS4 in such a way that it allows for ***direct*** discharges into the second system.

Are Waivers from the Phase II Permit/Program Requirements Possible?

Yes, two waiver options are available to operators of automatically designated small MS4s if discharges do not cause, or have the potential to cause, water quality impairment.

The first applies where:

(1) the jurisdiction served by the system is less than 1,000 people;

(2) the system is not contributing substantially to the pollutant loadings of a physically interconnected regulated MS4; and

(3) if the small MS4 discharges any pollutants identified as a cause of impairment of any water body to which it discharges, storm water controls are not needed based on wasteload allocations that are part of an EPA approved or established "total maximum daily load" (TMDL) that addresses the pollutant(s) of concern.

> ***TMDLs*** are water quality assessments that determine the source or sources of pollutants of concern for a particular waterbody, consider the maximum amount of pollutants the waterbody can assimilate, and then allocate to each source a set level of pollutants that it is allowed to discharge (i.e., a "wasteload allocation"). Small MS4s that are not given a wasteload allocation would meet the third criterion above.

> ***Pollutants of Concern*** include biochemical oxygen demand (BOD), sediment or a parameter that addresses sediment (such as total suspended solids, turbidity or siltation), pathogens, oil and grease, and any pollutant that has been identified as a cause of impairment in any water body to which the MS4 discharges.

The second applies where:

(1) the jurisdiction served by the system is less than 10,000 people;

(2) an evaluation of all waters of the U.S. that receive a discharge from the system shows that storm water controls are not needed based on wasteload allocations that are part of an EPA approved or established TMDL that addresses the pollutant(s) of concern or an equivalent analysis; and

(3) it is determined that future discharges from the small MS4 do not have the potential to result in exceedances of water quality standards.

The NPDES permitting authority is required to periodically review any waivers granted to MS4 operators to determine whether any information required for granting the waiver has changed. Minimally, such a review needs to be conducted once every five years.

Are There Allowances for Phasing-in Permit Coverage?

Yes. Small MS4s serving a jurisdiction with a population under 10,000 can be phased-in for permit coverage, following establishment of a State watershed permitting approach. NPDES permitting authorities that choose this option must establish a schedule to phase-in permit coverage annually for approximately 20 percent of all small MS4s that qualify for such phased-in coverage. Where this option is followed, all regulated small MS4s are required to have permit coverage no later than March 8, 2007.

Can More than One MS4 in the Same Political Jurisdiction Be Automatically Designated?

Yes. Since the final rule provides automatic coverage of all small MS4s within a UA, the result would likely be coverage of several governments and agencies with multiple, perhaps overlapping, jurisdictions. For example, a city that is located within a UA and operates its own small MS4 could be designated alongside the State's department of transportation (DOT) and the county's DOT if the State and county operate roads that are within the borders of the city. All three entities would be responsible for developing a storm water management program for the portion of their respective MS4s within the city limits. In such a case, the permittees are strongly encouraged to work together to form a unified storm water management program.

Who Is Responsible if the Small MS4 Operator Lacks the Necessary Legal Authority?

Some regulated small MS4s may lack the necessary legal authority to implement one or more of the required minimum control measures that comprise the Phase II storm water management program. For example, a local government that is a small MS4 operator may be in a State that does not have an enabling statute that allows local regulatory control of construction site runoff into the sewer system. Another example is a State DOT that may not have the legal authority to require and enforce controls on illicit discharges into its system. In these situations the small MS4 is encouraged to work with the neighboring regulated small MS4s. As co-permittees, they could form a shared storm water management program in which each permittee is responsible for activities that are within their individual legal authorities and abilities.

For Additional Information

Contact

☞ U.S. EPA Office of Wastewater Management
- Phone: 202 260-5816
- E-mail: SW2@epa.gov
- Internet: www.epa.gov/owm/sw/phase2

Reference Documents

☞ Storm Water Phase II Final Rule Fact Sheet Series
- Internet: www.epa.gov/owm/sw/phase2

☞ Storm Water Phase II Final Rule (64 *FR* 68722)
- Internet: www.epa.gov/owm/sw/phase2
- Contact the U.S. EPA Water Resource Center
  - Phone: 202 260-7786
  - E-mail: center.water-resource@epa.gov

United States Environmental Protection Agency
Office of Water (4203)
EPA 833-F-00-004
December 1999
Fact Sheet 2.2

EPA

Storm Water Phase II Final Rule

Urbanized Areas: Definition and Description

As discussed in Fact Sheet 2.1, *Who's Covered? Designation and Waivers of Regulated Small MS4s*, the Phase II Final Rule covers all small municipal separate storm sewer systems (MS4s) located within an "urbanized area" (UA). Based on the 1990 Census, there are 405 UAs in the United States that cover 2 percent of total U.S. land area and contain approximately 63 percent of the Nation's population. These numbers include Puerto Rico — the only U.S. Territory with UAs.

UAs constitute the largest and most dense areas of settlement. UA calculations delineate boundaries around these dense areas of settlement and, in doing so, identify the areas of concentrated development. UA designations are used for several purposes in both the public and private sectors. For example, the Federal Government has used UAs to calculate allocations for transportation funding, and some planning agencies and development firms use UA boundaries to help ascertain current, and predict future, growth areas.

What Is an Urbanized Area (UA)?

The Bureau of the Census determines UAs by applying a detailed set of published UA criteria (see 55 *FR* 42592, October 22, 1990) to the latest decennial census data. Although the full UA definition is complex, the Bureau of the Census' general definition of a UA, based on population and population density, is provided below.

> An ***urbanized area*** is a land area comprising one or more places — central place(s) — and the adjacent densely settled surrounding area — urban fringe — that together have a residential population of at least 50,000 and an overall population density of at least 1,000 people per square mile.

The basic unit for delineating the UA boundary is the census block. Census blocks are based on visible physical boundaries, such as the city block, when possible, or on invisible political boundaries, when not. An urbanized area can comprise places, counties, Federal Indian Reservations, and minor civil divisions (MCDs - towns and townships).

How Can Status as a Regulated Small MS4 Be Determined?

The drawing below (see Figure 1) is a simplified UA illustration that demonstrates the concept of UAs in relation to the Phase II Final Rule. The "urbanized area" includes within its boundaries incorporated places, a portion of a Federal Indian reservation, an entire MCD, a portion of another MCD, and portions of two counties. Any and all operators of small MS4s located within the boundaries of the UA are covered under the Phase II Final Rule, regardless of political boundaries. Operators of small MS4s located outside of the UA are subject to potential designation into the Phase II MS4 program by the NPDES permitting authority.

Operators of small MS4s can determine if they are located within a UA, and therefore covered by the Phase II storm water program, through the following two steps:

— STEP 1 —

Refer to a listing of incorporated places, MCDs, and counties that are located entirely or partially within a UA. Such a listing, based on the 1990 Census, can be found in Appendix 6 to the Preamble of the Phase II Final Rule; it does not include governmental entities already permitted under Phase I. If a small MS4 is located in a listed incorporated place, MCD, or county, then the operator of the small MS4 should follow step (2) below. (Note: Appendix 6 can be obtained from the EPA Office of Wastewater Management (OWM) or downloaded from the OWM web site.)

— STEP 2 —

Some operators of small MS4s may find that they are located within an entity listed in Appendix 6 but not know if their systems are within the urbanized portion of the listed entity. In such a case, they should contact one or more of the following institutions for more detailed information on the location of the UA boundary:

❑ The State or NPDES Permitting Authority (may be the State or the U.S. EPA Region)

Storm Water Coordinators: The NPDES permitting authority may be the State or the U.S. EPA Region. The Storm Water Coordinators for each U.S. EPA Region are listed in the *For Additional Information* section in Fact Sheet 2.9. These regional contacts can assist with UA information and provide the names of State storm water contacts. Regional and State contact information can also be obtained from OWM.

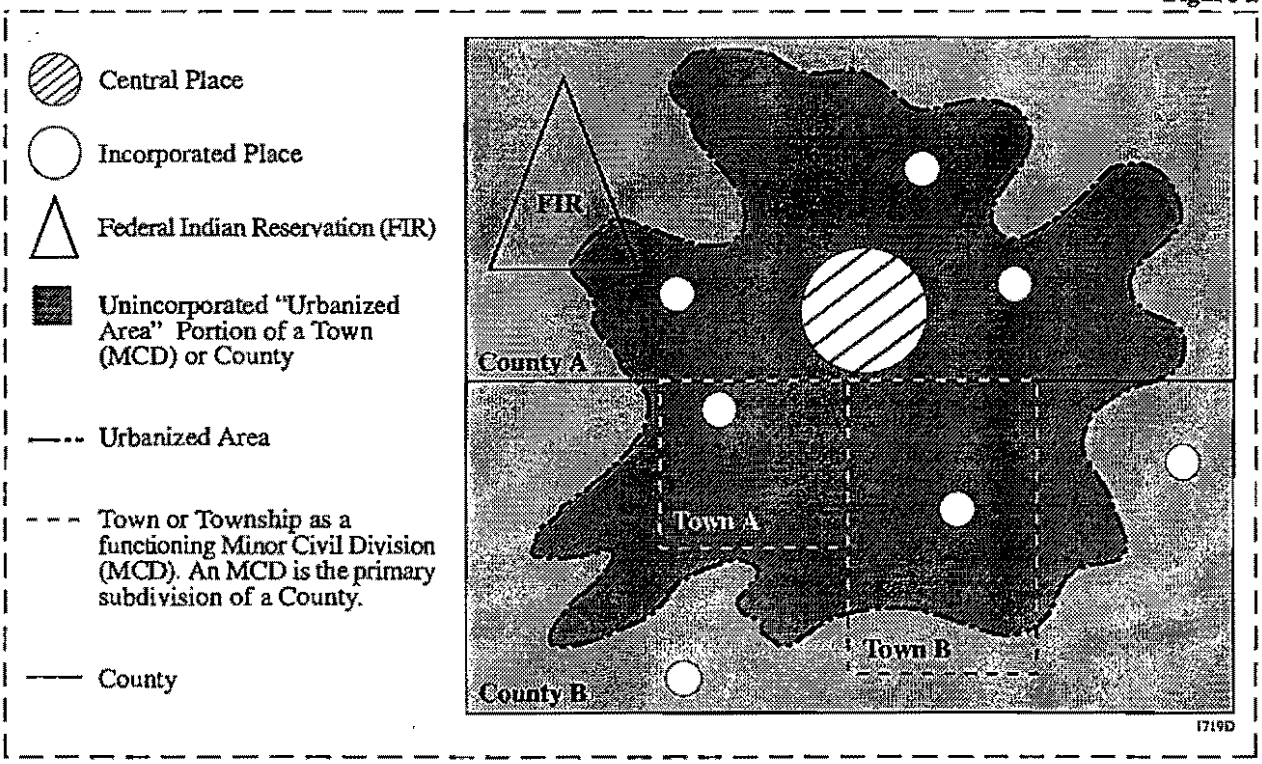
State Data Centers: Each State's Data Center receives listings of all entities that are located in UAs, as well as detailed maps and electronic files of UA boundaries. The Bureau of the Census web site includes a list of contact names and phone numbers for the data in each State at www.census.gov/sdc/www.

State Planning/Economic/Transportation Agencies: These agencies typically use UAs to assess current development and forecast future growth trends and, therefore, should have detailed UA information readily available to help determine the UA boundaries in any given area.

❑ County or Regional Planning Commissions/ Boards

As with State agencies, these entities are likely to have detailed UA data and maps to help determine UA boundaries.

Figure 1



❑ The Bureau of the Census

Urbanized Areas Staff: 301 457-1099

Web Site: www.census.gov
The site provides information on purchasing UA maps and electronic files for use with computerized mapping systems. Obtain free UA cartographic boundary files (Arc/Info export format) for Geographical Information System (GIS) use at: www.census.gov:80/geo/www/cob/ua.html.

UA Maps: Detailed UA maps are available for purchase with a $25 minimum order ($5 per map sheet). Each map sheet measures 36 by 42 inches. For prices and a listing of UAs, visit www.census.gov/mp/www/geo/msgeo12.html. Order from the Department of Commerce, Bureau of the Census (MS 1921), P.O. Box 277943, Atlanta, GA 30384-7943 (Phone: 301 457-4100; Toll-free fax: 1-888-249-7295).

❑ U.S. EPA

EPA is modifying a web-based geographic program called *Enviromapper*. This will allow MS4 operators to enter a location and see a detailed map of the UA boundary. Information about *Enviromapper* will be available at www.epa.gov/owm/phase2.

How Will the Year 2000 Census Affect the Determination of Status as a Regulated Small MS4?

The listing of incorporated places, MCDs, and counties located within UAs in the United States and Puerto Rico, found in Appendix 6, is based on the 1990 Census. New listings for UAs based on the 2000 Census are scheduled to be available by July or August of 2001. Once the official 2000 Census listings are published by the Bureau of the Census, operators of small MS4s located within the revised boundaries of former 1990 UAs, or in any newly defined 2000 UAs, become regulated small MS4s and must develop a storm water management program.

Any additional automatic designations of small MS4s based on subsequent census years is governed by the Bureau of the Census' definition of a UA in effect for that year and the UA boundaries determined as a result of the definition.

Once a small MS4 is designated into the Phase II storm water program based on the UA boundaries, it can not be waived from the program if in a subsequent UA calculation the small MS4 is no longer within the UA boundaries. An automatically designated small MS4 will remain regulated unless, or until, it meets the criteria for a waiver (see Fact Sheet 2.1 for more information on the regulated small MS4 waiver option).

For Additional Information

Contact

☞ U.S. EPA Office of Wastewater Management
- Phone: 202 260-5816
- E-mail: SW2@epa.gov
- Internet: www.epa.gov/owm/sw/phase2

Reference Documents

☞ Storm Water Phase II Final Rule Fact Sheet Series
- Internet: www.epa.gov/owm/sw/phase2

☞ Storm Water Phase II Final Rule (64 *FR* 68722)
- Internet: www.epa.gov/owm/sw/phase2
- Contact the U.S. EPA Water Resource Center
  - Phone: 202 260-7786
  - E-mail: center.water-resource@epa.gov

United States Environmental Protection Agency | Office of Water (4203) | EPA 833-F00-005 January 2000 Fact Sheet 2.3

Storm Water Phase II Final Rule

Public Education and Outreach Minimum Control Measure

This fact sheet profiles the Public Education and Outreach minimum control measure, one of six measures an operator of a Phase II-regulated small municipal separate storm sewer system (MS4) is required to include in its storm water management program to meet the conditions of its National Pollutant Discharge Elimination System (NPDES) storm water permit. This fact sheet outlines the Phase II Final Rule requirements and offers some general guidance on how to satisfy them. It is important to keep in mind that the regulated small MS4 operator has a great deal of flexibility in choosing exactly how to satisfy the minimum control measure requirements.

Why Is Public Education and Outreach Necessary?

An informed and knowledgeable community is crucial to the success of a storm water management program since it helps to ensure the following:

- *Greater support* for the program as the public gains a greater understanding of the reasons why it is necessary and important. Public support is particularly beneficial when operators of small MS4s attempt to institute new funding initiatives for the program or seek volunteers to help implement the program; and
- *Greater compliance* with the program as the public becomes aware of the personal responsibilities expected of them and others in the community, including the individual actions they can take to protect or improve the quality of area waters.

What Is Required?

To satisfy this minimum control measure, the operator of a regulated small MS4 needs to:

- ☐ Implement a public education program to distribute educational materials to the community, or conduct equivalent outreach activities about the impacts of storm water discharges on local waterbodies and the steps that can be taken to reduce storm water pollution; and
- ☐ Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure. Some program implementation approaches, BMPs (i.e., the program actions/activities), and measurable goals are suggested below.

What Are Some Guidelines for Developing and Implementing This Measure?

Three main action areas are important for successful implementation of a public education and outreach program:

❶ *Forming Partnerships*

Operators of regulated small MS4s are encouraged to enter into partnerships with other governmental entities to fulfill this minimum control measure's requirements. It is generally more cost-effective to use an existing program, or to develop a new regional or state-wide education program, than to have numerous operators developing their own local programs. Operators also are encouraged to seek assistance from non-governmental organizations (e.g., environmental, civic, and industrial organizations), since many already have educational materials and perform outreach activities.

❷ *Using Educational Materials and Strategies*

Operators of regulated small MS4s may use storm water educational information provided by their State, Tribe, EPA Region, or environmental, public interest, or trade organizations instead of developing their own materials. Operators should strive to make their materials and activities relevant to local situations and issues, and incorporate a variety of strategies to ensure maximum coverage. Some examples include:

- *Brochures or fact sheets* for general public and specific audiences;
- *Recreational guides* to educate groups such as golfers, hikers, paddlers, climbers, fishermen, and campers;
- *Alternative information sources*, such as web sites, bumper stickers, refrigerator magnets, posters for bus and subway stops, and restaurant placemats;
- *A library of educational materials* for community and school groups;
- *Volunteer citizen educators* to staff a *public education task force;*
- *Event participation* with educational displays at home shows and community festivals;
- *Educational programs* for school-age children;
- *Storm drain stenciling* of storm drains with messages such as "Do Not Dump - Drains Directly to Lake;"
- *Storm water hotlines* for information and for citizen reporting of polluters;
- *Economic incentives* to citizens and businesses (e.g., rebates to homeowners purchasing mulching lawnmowers or biodegradable lawn products);and
- *Tributary signage* to increase public awareness of local water resources.

❸ *Reaching Diverse Audiences*

The public education program should use a mix of appropriate local strategies to address the viewpoints and concerns of a variety of audiences and communities, including minority and disadvantaged communities, as well as children. Printing posters and brochures in more than one language or posting large warning signs (e.g., cautioning against fishing or swimming) near storm sewer outfalls are methods that can be used to reach audiences less likely to read standard materials. Directing materials or outreach programs toward specific groups of commercial, industrial, and institutional entities likely to have significant storm water impacts is also recommended. For example, information could be provided to restaurants on the effects of grease clogging storm drains and to auto garages on the effects of dumping used oil into storm drains.

What Are Appropriate Measurable Goals?

Measurable goals, which are required for each minimum control measure, are intended to gauge permit compliance and program effectiveness. The measurable goals, as well as the BMPs, should reflect the needs and characteristics of the operator and the area served by its small MS4. Furthermore, they should be chosen using an integrated approach that fully addresses the requirements and intent of the minimum control measure. An integrated approach for this minimum measure could include the following measurable goals:

Target Date	Activity
1 year.....	Brochures developed (bilingual, if appropriate) and distributed in water utility bills; a storm water hotline in place; volunteer educators trained.
2 years.....	A web site created; school curricula developed; storm drains stenciled.
3 years.....	A certain percentage of restaurants no longer dumping grease and other pollutants down storm sewer drains.
4 years.....	A certain percentage reduction in litter or animal waste detected in discharges.

For Additional Information

Contact

☞ U.S. EPA Office of Wastewater Management
- Phone: 202 260-5816
- E-mail: SW2@epa.gov
- Internet: www.epa.gov/owm/sw/phase2

Reference Documents

☞ Storm Water Phase II Final Rule Fact Sheet Series
- Internet: www.epa.gov/owm/sw/phase2

☞ Storm Water Phase II Final Rule (64 *FR* 68722)
- Internet: www.epa.gov/owm/sw/phase2
- Contact the U.S. EPA Water Resource Center
  - Phone: 202 260-7786
  - E-mail: center.water-resource@epa.gov

Unite ates
Enviro...ental Protection
Agency

Office of Water
(4203)

EPA 833-F-00-006
January 2000
Fact Sheet 2.4

EPA

Storm Water Phase II Final Rule

Public Participation/Involvement Minimum Control Measure

This fact sheet profiles the Public Participation/Involvement minimum control measure, one of six measures the operator of a Phase II regulated small municipal separate storm sewer system (MS4) is required to include in its storm water management program to meet the conditions of its National Pollutant Discharge Elimination System (NPDES) permit. This fact sheet outlines the Phase II Final Rule requirements and offers some general guidance on how to satisfy them. It is important to keep in mind that the small MS4 operator has a great deal of flexibility in determining how to satisfy the minimum control measure requirements.

Why Is Public Participation and Involvement Necessary?

EPA believes that the public can provide valuable input and assistance to a regulated small MS4's municipal storm water management program and, therefore, suggests that the public be given opportunities to play an active role in both the development and implementation of the program. An active and involved community is crucial to the success of a storm water management program because it allows for:

- ***Broader public support*** since citizens who participate in the development and decision making process are partially responsible for the program and, therefore, may be less likely to raise legal challenges to the program and more likely to take an active role in its implementation;
- ***Shorter implementation schedules*** due to fewer obstacles in the form of public and legal challenges and increased sources in the form of citizen volunteers;
- ***A broader base of expertise*** and ***economic benefits*** since the community can be a valuable, and free, intellectual resource; and
- ***A conduit to other programs*** as citizens involved in the storm water program development process provide important cross-connections and relationships with other community and government programs. This benefit is particularly valuable when trying to implement a storm water program on a watershed basis, as encouraged by EPA.

What Is Required?

To satisfy this minimum control measure, the operator of a regulated small MS4 must:

- ☐ Comply with applicable State, Tribal, and local public notice requirements; and
- ☐ Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure. Possible implementation approaches, BMPs (i.e., the program actions and activities), and measurable goals are described below.

What Are Some Guidelines for Developing and Implementing This Measure?

Operators of regulated small MS4s should include the public in developing, implementing, and reviewing their storm water management programs. The public participation process should make every effort to reach out and engage all economic and ethnic groups. EPA recognizes that there are challenges associated with public involvement. Nevertheless, EPA strongly believes that these challenges can be addressed through an aggressive and inclusive program. Challenges and example practices that can help ensure successful participation are discussed below.

Implementation Challenges

The best way to handle common notification and recruitment challenges is to know the audience and think creatively about how to gain its attention and interest. Traditional methods of soliciting public input are not always successful in generating interest, and subsequent involvement, in all sectors of the community. For example, municipalities often rely solely on advertising in local newspapers to announce public meetings and other opportunities for public involvement. Since there may be large sectors of the population who do not read the local press, the audience reached may be limited. Therefore, alternative advertising methods should be used whenever possible, including radio or television spots, postings at bus or subway stops, announcements in neighborhood newsletters, announcements at civic organization meetings, distribution of flyers, mass mailings, door-to-door visits, telephone notifications, and multilingual announcements. These efforts, of course, are tied closely to the efforts for the public education and outreach minimum control measure (see Fact Sheet 2.3).

In addition, advertising and soliciting for help should be targeted at specific population sectors, including ethnic, minority, and low-income communities; academia and educational institutions; neighborhood and community groups; outdoor recreation groups; and business and industry. The goal is to involve a diverse cross-section of people who can offer a multitude of concerns, ideas, and connections during the program development process.

Possible Practices (BMPs)

There are a variety of practices that could be incorporated into a public participation and involvement program, such as:

- ***Public meetings/citizen panels*** allow citizens to discuss various viewpoints and provide input concerning appropriate storm water management policies and BMPs;
- ***Volunteer water quality monitoring*** gives citizens first-hand knowledge of the quality of local water bodies and provides a cost-effective means of collecting water quality data;
- ***Volunteer educators/speakers*** who can conduct workshops, encourage public participation, and staff special events;
- ***Storm drain stenciling*** is an important and simple activity that concerned citizens, especially students, can do;
- ***Community clean-ups*** along local waterways, beaches, and around storm drains;
- ***Citizen watch groups*** can aid local enforcement authorities in the identification of polluters; and
- ***"Adopt A Storm Drain" programs*** encourage individuals or groups to keep storm drains free of debris and to monitor what is entering local waterways through storm drains.

What Are Appropriate Measurable Goals?

Measurable goals, which are required for each minimum control measure, are intended to gauge permit compliance and program effectiveness. The measurable goals, as well as the BMPs, greatly depend on the needs and characteristics of the operator and the area served by the small MS4. Furthermore, they should be chosen using an integrated approach that fully addresses the requirements and intent of the minimum control measure. An integrated approach for this minimum measure could include the following measurable goals:

Target Date	Activity
1 year.....	Notice of a public meeting in several different print media and bilingual flyers; citizen panel established; volunteers organized to locate outfalls/illicit discharges and stencil drains.
2 years.....	Final recommendations of the citizen panel; radio spots promoting program and participation.
3 years.....	A certain percentage of the community participating in community clean-ups.
4 years.....	Citizen watch groups established in a certain percentage of neighborhoods; outreach to every different population sector completed.

For Additional Information

Contact

☞ U.S. EPA Office of Wastewater Management
- Phone: 202 260-5816
- E-mail: SW2@epa.gov
- Internet: www.epa.gov/owm/sw/phase2

Reference Documents

☞ Storm Water Phase II Final Rule Fact Sheet Series
- Internet: www.epa.gov/owm/sw/phase2

☞ Storm Water Phase II Final Rule (64 *FR* 68722)
- Internet: www.epa.gov/owm/sw/phase2
- Contact the U.S. EPA Water Resource Center
  - Phone: 202 260-7786
  - E-mail: center.water-resource@epa.gov

United States Environmental Protection Agency | Office of Water (4203) | EPA 833-F-00-007 January 2000 Fact Sheet 2.5

Storm Water Phase II Final Rule

Illicit Discharge Detection and Elimination Minimum Control Measure

This fact sheet profiles the Illicit Discharge Detection and Elimination minimum control measure, one of six measures the operator of a Phase II regulated small municipal separate storm sewer system (MS4) is required to include in its storm water management program to meet the conditions of its National Pollutant Discharge Elimination System (NPDES) permit. This fact sheet outlines the Phase II Final Rule requirements and offers some general guidance on how to satisfy them. It is important to keep in mind that the small MS4 operator has a great deal of flexibility in choosing exactly how to satisfy the minimum control measure requirements.

What Is An "Illicit Discharge"?

Federal regulations define an illicit discharge as "...any discharge to an MS4 that is not composed entirely of storm water..." with some exceptions. These exceptions include discharges from NPDES-permitted industrial sources and discharges from fire-fighting activities. Illicit discharges (see Table 1) are considered "illicit" because MS4s are not designed to accept, process, or discharge such non-storm water wastes.

Table 1

Sources of Illicit Discharges
Sanitary wastewater
Effluent from septic tanks
Car wash wastewaters
Improper oil disposal
Radiator flushing disposal
Laundry wastewaters
Spills from roadway accidents
Improper disposal of auto and household toxics

Why Are Illicit Discharge Detection and Elimination Efforts Necessary?

Discharges from MS4s often include wastes and wastewater from non-storm water sources. A study conducted in 1987 in Sacramento, California, found that almost one-half of the water discharged from a local MS4 was not directly attributable to precipitation runoff. A significant portion of these dry weather flows were from illicit and/or inappropriate discharges and connections to the MS4.

Illicit discharges enter the system through either direct connections (e.g., wastewater piping either mistakenly or deliberately connected to the storm drains) or indirect connections (e.g., infiltration into the MS4 from cracked sanitary systems, spills collected by drain outlets, or paint or used oil dumped directly into a drain). The result is untreated discharges that contribute high levels of pollutants, including heavy metals, toxics, oil and grease, solvents, nutrients, viruses, and bacteria to receiving waterbodies. Pollutant levels from these illicit discharges have been shown in EPA studies to be high enough to significantly degrade receiving water quality and threaten aquatic, wildlife, and human health.

What Is Required?

Recognizing the adverse effects illicit discharges can have on receiving waters, the final rule requires an operator of a regulated small MS4 to develop, implement and enforce an illicit discharge detection and elimination program. This program must include the following:

- ☐ A storm sewer system map, showing the location of all outfalls and the names and location of all waters of the United States that receive discharges from those outfalls;
- ☐ Through an ordinance, or other regulatory mechanism, a prohibition (to the extent allowable under State, Tribal, or local law) on non-storm water discharges into the MS4, and appropriate enforcement procedures and actions;
- ☐ A plan to detect and address non-storm water discharges, including illegal dumping, into the MS4;
- ☐ The education of public employees, businesses, and the general public about the hazards associated with illegal discharges and improper disposal of waste; and
- ☐ The determination of appropriate best management practices (BMPs) and measurable goals for this minimum control measure. Some program implementation approaches, BMPs (i.e., the program actions/activities), and measurable goals are suggested below.

Does This Measure Need to Address All Illicit Discharges?

No. The illicit discharge detection and elimination program does not need to address the following categories of non-storm water discharges or flows unless the operator of the regulated small MS4 identifies them as significant contributors of pollutants to its MS4:

- Water line flushing;
- Landscape irrigation;
- Diverted stream flows;
- Rising ground waters;
- Uncontaminated ground water infiltration;
- Uncontaminated pumped ground water;
- Discharges from potable water sources;
- Foundation drains;
- Air conditioning condensation;
- Irrigation water;
- Springs;
- Water from crawl space pumps;
- Footing drains;
- Lawn watering;
- Individual residential car washing;
- Flows from riparian habitats and wetlands;
- Dechlorinated swimming pool discharges; and
- Street wash water.

What Are Some Guidelines for Developing and Implementing This Measure?

The objective of the illicit discharge detection and elimination minimum control measure is to have regulated small MS4 operators gain a thorough awareness of their systems. This awareness allows them to determine the types and sources of illicit discharges entering their system; and establish the legal, technical, and educational means needed to eliminate these discharges. Permittees could meet these objectives in a variety of ways depending on their individual needs and abilities, but some general guidance for each requirement is provided below.

The Map

The storm sewer system map is meant to demonstrate a basic awareness of the intake and discharge areas of the system. It is needed to help determine the extent of discharged dry weather flows, the possible sources of the dry weather flows, and the particular waterbodies these flows may be affecting. An existing map, such as a topographical map, on which the location of major pipes and outfalls can be clearly presented demonstrates such awareness.

EPA recommends collecting all existing information on outfall locations (e.g., review city records, drainage maps, storm drain maps), and then conducting field surveys to verify locations. It probably will be necessary to walk (i.e., wade through small receiving waters or use a boat for larger waters) the streambanks and shorelines for visual observation. More than one trip may be needed to locate all outfalls.

Legal Prohibition and Enforcement

EPA recognizes that some permittees may have limited authority under State, Tribal or local law to establish and enforce an ordinance or other regulatory mechanism prohibiting illicit discharges. In such a case, the permittee is encouraged to obtain the necessary authority, if possible.

The Plan

The plan to detect and address illicit discharges is the central component of this minimum control measure. The plan is dependant upon several factors, including the permittee's available resources, size of staff, and degree and character of its illicit discharges. EPA envisions a plan similar to the one Michigan recommends for use in meeting their NPDES storm

water general permit for small MS4s. As guidance only, the four steps of a recommended plan are outlined below.

❶ **Locate Problem Areas**

EPA recommends that priority areas be identified for detailed screening of the system based on the likelihood of illicit connections (e.g., areas with older sanitary sewer lines). Methods that can locate problem areas include: public complaints; visual screening; water sampling from manholes and outfalls during dry weather; and use of infrared and thermal photography.

❷ **Find the Source**

Once a problem area or discharge is found, additional efforts usually are necessary to determine the source of the problem. Methods that can find the source of the illicit discharge include: dye-testing buildings in problem areas; dye- or smoke-testing buildings at the time of sale; tracing the discharge upstream in the storm sewer; employing a certification program that shows that buildings have been checked for illicit connections; implementing an inspection program of existing septic systems; and using video to inspect the storm sewers.

❸ **Remove/Correct Illicit Connections**

Once the source is identified, the offending discharger should be notified and directed to correct the problem. Education efforts and working with the discharger can be effective in resolving the problem before taking legal action.

❹ **Document Actions Taken**

As a final step, all actions taken under the plan should be documented. This illustrates that progress is being made to eliminate illicit connections and discharges. Documented actions should be included in annual reports and include information such as: the number of outfalls screened; any complaints received and corrected; the number of discharges and quantities of flow eliminated; and the number of dye or smoke tests conducted.

Educational Outreach

Outreach to public employees, businesses, property owners, the general community, and elected officials regarding ways to detect and eliminate illicit discharges is an integral part of this minimum measure that will help gain support for the permittee's storm water program. Suggested educational outreach efforts include:

- Developing ***informative brochures, and guidances*** for specific audiences (e.g., carpet cleaning businesses) and school curricula;
- Designing a program to ***publicize and facilitate public reporting*** of illicit discharges;
- ***Coordinating volunteers*** for locating, and visually inspecting, outfalls or to stencil storm drains; and
- Initiating ***recycling programs*** for commonly dumped wastes, such as motor oil, antifreeze, and pesticides.

What Are Appropriate Measurable Goals?

Measurable goals, which are required for each minimum control measure, are intended to gauge permit compliance and program effectiveness. The measurable goals, as well as the BMPs, should reflect the needs and characteristics of the operator and the area served by its small MS4. Furthermore, they should be chosen using an integrated approach that fully addresses the requirements and intent of the minimum control measure. An integrated approach for this minimum measure could include the following measurable goals:

Target Date	Activity
1 year.....	Sewer system map completed; recycling program for household hazardous waste in place.
2 years.....	Ordinance in place; training for public employees completed; a certain percentage of sources of illicit discharges determined.
3 years.....	A certain percentage of illicit discharges detected; illicit discharges eliminated; and households participating in quarterly household hazardous waste special collection days.
4 years.....	Most illicit discharge sources detected and eliminated.

The educational outreach measurable goals for this minimum control measure could be combined with the measurable goals for the Public Education and Outreach minimum control measure (see Fact Sheet 2.3).

For Additional Information

Contact

☞ U.S. EPA Office of Wastewater Management
- Phone: 202 260-5816
- E-mail: SW2@epa.gov
- Internet: www.epa.gov/owm/sw/phase2

Reference Documents

☞ Storm Water Phase II Final Rule Fact Sheet Series
- Internet: www.epa.gov/owm/sw/phase2

☞ Storm Water Phase II Final Rule (64 *FR* 68722)
- Internet: www.epa.gov/owm/sw/phase2
- Contact the U.S. EPA Water Resource Center
  - Phone: 202 260-7786
  - E-mail: center.water-resource@epa.gov

Sources

Maryland Department of the Environment, Water Management Administration. 1997. *Dry Weather Flow and Illicit Discharges in Maryland Storm Drain Systems.* Baltimore, Maryland.

U.S. EPA Office of Water. 1993. *Investigation of Inappropriate Pollutant Entries into Storm Drainage Systems: A User's Guide.* EPA/600/R-92/238. Washington, D.C.

Wayne County Rouge River National Wet Weather Demonstration Project. 1997. *Guidance for Preparing a Program for the Elimination of Illicit Discharges.* Wayne County, Michigan.

United States Environmental Protection Agency | Office of Water (4203) | EPA 833-F-00-008 January 2000 Fact Sheet 2.6

EPA

Storm Water Phase II Final Rule

Construction Site Runoff Control Minimum Control Measure

This fact sheet profiles the Construction Site Runoff Control minimum control measure, one of six measures that the operator of a Phase II regulated small municipal separate storm sewer system (MS4) is required to include in its storm water management program to meet the conditions of its National Pollutant Discharge Elimination System (NPDES) permit. This fact sheet outlines the Phase II Final Rule requirements and offers some general guidance on how to satisfy them. It is important to keep in mind that the small MS4 operator has a great deal of flexibility in choosing exactly how to satisfy the minimum control measure requirements.

Why Is The Control of Construction Site Runoff Necessary?

Polluted storm water runoff from construction sites often flows to MS4s and ultimately is discharged into local rivers and streams. Of the pollutants listed in Table 1, sediment is usually the main pollutant of concern. Sediment runoff rates from construction sites are typically 10 to 20 times greater than those of agricultural lands, and 1,000 to 2,000 times greater than those of forest lands. During a short period of time, construction sites can contribute more sediment to streams than can be deposited naturally during several decades. The resulting siltation, and the contribution of other pollutants from construction sites, can cause physical, chemical, and biological harm to our nation's waters. For example, excess sediment can quickly fill rivers and lakes, requiring dredging and destroying aquatic habitats.

Table 1

Pollutants Commonly Discharged From Construction Sites
Sediment
Solid and sanitary wastes
Phosphorous (fertilizer)
Nitrogen (fertilizer)
Pesticides
Oil and grease
Concrete truck washout
Construction chemicals
Construction debris

What Is Required?

The Phase II Final Rule requires an operator of a regulated small MS4 to develop, implement, and enforce a program to reduce pollutants in storm water runoff to their MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. The small MS4 operator is required to:

- Have an ordinance or other regulatory mechanism requiring the implementation of proper erosion and sediment controls, and controls for other wastes, on applicable construction sites;
- Have procedures for site plan review of construction plans that consider potential water quality impacts;
- Have procedures for site inspection and enforcement of control measures;
- Have sanctions to ensure compliance (established in the ordinance or other regulatory mechanism);

- Establish procedures for the receipt and consideration of information submitted by the public; and
- Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure. Suggested BMPs (i.e., the program actions/activities) and measurable goals are presented below.

What Are Some Guidelines for Developing and Implementing This Measure?

Further explanation and guidance for each component of a regulated small MS4's construction program is provided below.

Regulatory Mechanism

Through the development of an ordinance or other regulatory mechanism, the small MS4 operator must establish a construction program that controls polluted runoff from construction sites with a land disturbance of greater than or equal to one acre. Because there may be limitations on regulatory legal authority, the small MS4 operator is required to satisfy this minimum control measure only to the maximum extent practicable and allowable under State, Tribal, or local law.

Site Plan Review

The small MS4 operator must include in its construction program requirements for the implementation of appropriate BMPs on construction sites to control erosion and sediment and other waste at the site. To determine if a construction site is in compliance with such provisions, the small MS4 operator should review the site plans submitted by the construction site operator before ground is broken.

Site plan review aids in compliance and enforcement efforts since it alerts the small MS4 operator early in the process to the planned use or non-use of proper BMPs and provides a way to track new construction activities. The tracking of sites is useful not only for the small MS4 operator's recordkeeping and reporting purposes, which are required under their NPDES storm water permit (see Fact Sheet 2.9), but also for members of the public interested in ensuring that the sites are in compliance.

Inspections and Penalties

Once construction commences, BMPs should be in place and the small MS4 operator's enforcement activities should begin. To ensure that the BMPs are properly installed, the small MS4 operator is required to develop procedures for site inspection and enforcement of control measures to deter infractions. Procedures could include steps to identify priority sites for inspection and enforcement based on the nature and extent of the construction activity, topography, and the characteristics of soils and receiving water quality. Inspections give the MS4 operator an opportunity to provide additional guidance and education, issue warnings, or assess penalties. To conserve staff resources, one possible option for small MS4 operators is to have these inspections performed by the same inspector that visits the sites to check compliance with health and safety building codes.

Information Submitted by the Public

A final requirement of the small MS4 program for construction activity is the development of procedures for the receipt and consideration of public inquiries, concerns, and information submitted regarding local construction activities. This provision is intended to further reinforce the public participation component of the regulated small MS4 storm water program (see Fact Sheet 2.4) and to recognize the crucial role that the public can play in identifying instances of noncompliance.

The small MS4 operator is required only to *consider* the information submitted, and may not need to follow-up and respond to every complaint or concern. Although some form of enforcement action or reply is not required, the small MS4 operator is required to demonstrate acknowledgment and consideration of the information submitted. A simple tracking process in which submitted public information, both written and verbal, is recorded and then given to the construction site inspector for possible follow-up will suffice.

What Are Appropriate Measurable Goals?

Measurable goals, which are required for each minimum control measure, are intended to gauge permit compliance and program effectiveness. The measurable goals, as well as the BMPs, should reflect the needs and characteristics of the operator and the area served by its small MS4. Furthermore, they should be chosen using an integrated approach that fully addresses the requirements and intent of the minimum control measure. An integrated approach for this minimum measure could include the following measurable goals:

Target Date	Activity
1 year.....	Ordinance or other regulatory mechanism in place; procedures for information submitted by the public in place.
2 years.....	Procedures for site inspections implemented; a certain percentage rate of compliance achieved by construction operators.
3 years.....	Maximum compliance with ordinance; improved clarity and reduced sedimentation of local waterbodies.
4 years.....	Increased numbers of sensitive aquatic organisms in local waterbodies.

Are Construction Sites Already Covered Under the NPDES Storm Water Program?

Yes. EPA's Phase I NPDES storm water program requires operators of construction activities that disturb five or more acres to obtain a NPDES construction storm water permit. General permit requirements include the submission of a Notice of Intent and the development of a storm water pollution prevention plan (SWPPP). The SWPPP must include a site description and measures and controls to prevent or minimize pollutants in storm water discharges. The Phase II Final Rule similarly regulates discharges from smaller construction sites disturbing equal to or greater than one acre and less than five acres (see Fact Sheet 3.0 for information on the Phase II construction program).

Even though all construction sites that disturb more than one acre are covered nationally by an NPDES storm water permit, the construction site runoff control minimum measure for the small MS4 program is needed to induce more localized site regulation and enforcement efforts, and to enable operators of regulated small MS4s to more effectively control construction site discharges into their MS4s.

To aid operators of regulated construction sites in their efforts to comply with both local requirements and their NPDES permit, the Phase II Final Rule includes a provision that allows the NPDES permitting authority to reference a "qualifying State, Tribal or local program" in the NPDES general permit for construction. This means that if a construction site is located in an area covered by a qualifying local program, then the construction site operator's compliance with the local program constitutes compliance with their NPDES permit. A regulated small MS4's storm water program for construction could be a "qualifying program" if the MS4 operator requires a SWPPP, in addition to the requirements summarized in this fact sheet.

The ability to reference other programs in the NPDES permit is intended to reduce confusion between overlapping and similar requirements, while still providing for both local and national regulatory coverage of the construction site. The provision allowing NPDES permitting authorities to reference other programs has no impact on, or direct relation to, the small MS4 operator's responsibilities under the construction site runoff control minimum measure profiled here.

Is a Small MS4 Required to Regulate Construction Sites that the Permitting Authority has Waived from the NPDES Construction Program?

No. If the NPDES permitting authority waives requirements for storm water discharges associated with small construction activity (see 122.26(b)(15)(i)), the small MS4 operator is not required to develop, implement, and/or enforce a program to reduce pollutant discharges from such construction sites.

For Additional Information

Contact

☞ U.S. EPA Office of Wastewater Management
- Phone: 202 260-5816
- E-mail: SW2@epa.gov
- Internet: www.epa.gov/owm/sw/phase2

Reference Documents

☞ Storm Water Phase II Final Rule Fact Sheet Series
- Internet: www.epa.gov/owm/sw/phase2

☞ Storm Water Phase II Final Rule (64 *FR* 68722)
- Internet: www.epa.gov/owm/sw/phase2
- Contact the U.S. EPA Water Resource Center
  - Phone: 202 260-7786
  - E-mail: center.water-resource@epa.gov

United States Environmental Protection Agency | Office of Water (4203) | EPA 833-F-00-009 January 2000 Fact Sheet 2.7

EPA

Storm Water Phase II Final Rule

Post-Construction Runoff Control Minimum Control Measure

This fact sheet profiles the Post-Construction Runoff Control minimum control measure, one of six measures that the operator of a Phase II regulated small municipal separate storm sewer system (MS4) is required to include in its storm water management program in order to meet the conditions of its National Pollutant Discharge Elimination System (NPDES) permit. This fact sheet outlines the Phase II Final Rule requirements for post-construction runoff control and offers some general guidance on how to satisfy those requirements. It is important to keep in mind that the small MS4 operator has a great deal of flexibility in choosing exactly how to satisfy the minimum control measure requirements.

Why Is The Control of Post-Construction Runoff Necessary?

Post-construction storm water management in areas undergoing new development or redevelopment is necessary because runoff from these areas has been shown to significantly effect receiving waterbodies. Many studies indicate that prior planning and design for the minimization of pollutants in post-construction storm water discharges is the most cost-effective approach to storm water quality management.

There are generally two forms of substantial impacts of post-construction runoff. The first is caused by an increase in the type and quantity of pollutants in storm water runoff. As runoff flows over areas altered by development, it picks up harmful sediment and chemicals such as oil and grease, pesticides, heavy metals, and nutrients (e.g., nitrogen and phosphorus). These pollutants often become suspended in runoff and are carried to receiving waters, such as lakes, ponds, and streams. Once deposited, these pollutants can enter the food chain through small aquatic life, eventually entering the tissues of fish and humans. The second kind of post-construction runoff impact occurs by increasing the quantity of water delivered to the waterbody during storms. Increased impervious surfaces interrupt the natural cycle of gradual percolation of water through vegetation and soil. Instead, water is collected from surfaces such as asphalt and concrete and routed to drainage systems where large volumes of runoff quickly flow to the nearest receiving water. The effects of this process include streambank scouring and downstream flooding, which often lead to a loss of aquatic life and damage to property.

What Is Required?

The Phase II Final Rule requires an operator of a regulated small MS4 to develop, implement, and enforce a program to reduce pollutants in post-construction runoff to their MS4 from new development and redevelopment projects that result in the land disturbance of greater than or equal to 1 acre. The small MS4 operator is required to:

- ☐ Develop and implement strategies which include a combination of structural and/or non-structural best management practices (BMPs);
- ☐ Have an ordinance or other regulatory mechanism requiring the implementation of post-construction runoff controls to the extent allowable under State, Tribal or local law,

- ❑ Ensure adequate long-term operation and maintenance of controls;
- ❑ Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure.

What Is Considered a "Redevelopment" Project?

The term "redevelopment" refers to alterations of a property that change the "footprint" of a site or building in such a way that there is a disturbance of equal to or greater than 1 acre of land. The term does not include such activities as exterior remodeling. Because redevelopment projects may have site constraints not found on new development sites, the rule provides flexibility for implementing post-construction controls on redevelopment sites that consider these constraints.

What Are Some Guidelines for Developing and Implementing This Measure?

This section includes some sample non-structural and structural BMPs that could be used to satisfy the requirements of the post-construction runoff control minimum measure. It is important to recognize that many BMPs are climate-specific, and not all BMPs are appropriate in every geographic area. Because the requirements of this measure are closely tied to the requirements of the construction site runoff control minimum measure (see Fact Sheet 2.6), EPA recommends that small MS4 operators develop and implement these two measures in tandem. Sample BMPs follow.

❑ Non-Structural BMPs

- **Planning and Procedures.** Runoff problems can be addressed efficiently with sound planning procedures. Master Plans, Comprehensive Plans, and zoning ordinances can promote improved water quality by guiding the growth of a community away from sensitive areas and by restricting certain types of growth (industrial, for example) to areas that can support it without compromising water quality.
- **Site-Based Local Controls.** These controls can include buffer strip and riparian zone preservation, minimization of disturbance and imperviousness, and maximization of open space.

❑ Structural BMPs

- **Storage Practices.** Storage or detention BMPs control storm water by gathering runoff in wet ponds, dry basins, or multichamber catch basins and slowly releasing it to receiving waters or drainage systems. These practices both control storm water volume and settle out particulates for pollutant removal.

How Removed?

- **Infiltration Practices.** Infiltration BMPs are designed to facilitate the percolation of runoff through the soil to ground water, and, thereby, result in reduced storm water quantity and reduced mobilization of pollutants. Examples include infiltration basins/trenches, dry wells, and porous pavement.
- **Vegetative Practices.** Vegetative BMPs are landscaping features that, with optimal design and good soil conditions, enhance pollutant removal, maintain/improve natural site hydrology, promote healthier habitats, and increase aesthetic appeal. Examples include grassy swales, filter strips, artificial wetlands, and rain gardens.

What Are Appropriate Measurable Goals?

Measurable goals, which are required for each minimum control measure, are intended to gauge permit compliance and program effectiveness. The measurable goals, as well as the BMPs, should reflect needs and characteristics of the operator and the area served by its small MS4. Furthermore, the measurable goals should be chosen using an integrated approach that fully addresses the requirements and intent of the minimum control measure. An integrated approach for this minimum measure could include the following goals:

Target Date	Activity
1 year.....	Strategies developed that include structural and/or non-structural BMPs.
2 years.....	Strategies codified by use of ordinance or other regulatory mechanism.
3 years.....	Reduced percent of new impervious surfaces associated with new development projects.
4 years.....	Improved clarity and reduced sedimentation of local waterbodies.

For Additional Information

Contact

☞ U.S. EPA Office of Wastewater Management
- Phone: 202 260-5816
- E-mail: SW2@epa.gov
- Internet: www.epa.gov/owm/sw/phase2

Reference Documents

☞ Storm Water Phase II Final Rule Fact Sheet Series
- Internet: www.epa.gov/owm/sw/phase2

☞ Storm Water Phase II Final Rule (64 *FR* 68722)
- Internet: www.epa.gov/owm/sw/phase2
- Contact the U.S. EPA Water Resource Center
  - Phone: 202 260-7786
  - E-mail: center.water-resource@epa.gov

United States Environmental Protection Agency | Office of Water (4203) | EPA 833-F-00-010 January 2000 Fact Sheet 2.8

Storm Water Phase II Final Rule

Pollution Prevention/Good Housekeeping Minimum Control Measure

This fact sheet profiles the Pollution Prevention/Good Housekeeping for Municipal Operations minimum control measure, one of six measures the operator of a Phase II regulated small municipal separate storm sewer system (MS4) is required to include in its storm water management program to meet the conditions of its National Pollutant Discharge Elimination System (NPDES) permit. This fact sheet outlines the Phase II Final Rule requirements and offers some general guidance on how to satisfy them. It is important to keep in mind that the small MS4 operator has a great deal of flexibility in choosing exactly how to satisfy the minimum control measure requirements.

Why Is Pollution Prevention/Good Housekeeping Necessary?

The Pollution Prevention/Good Housekeeping for municipal operations minimum control measure is a key element of the small MS4 storm water management program. This measure requires the small MS4 operator to examine and subsequently alter their own actions to help ensure a reduction in the amount and type of pollution that: (1) collects on streets, parking lots, open spaces, and storage and vehicle maintenance areas and is discharged into local waterways; and (2) results from actions such as environmentally damaging land development and flood management practices or poor maintenance of storm sewer systems.

While this measure is meant primarily to improve or protect receiving water quality by altering municipal or facility operations, it also can result in a cost savings for the small MS4 operator, since proper and timely maintenance of storm sewer systems can help avoid repair costs from damage caused by age and neglect.

What Is Required?

Recognizing the benefits of pollution prevention practices, the rule requires an operator of a regulated small MS4 to:

- Develop and implement an operation and maintenance program with the ultimate goal of preventing or reducing pollutant runoff from municipal operations into the storm sewer system;
- Include employee training on how to incorporate pollution prevention/good housekeeping techniques into municipal operations such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance. To minimize duplication of effort and conserve resources, the MS4 operator can use training materials that are available from EPA, their State or Tribe, or relevant organizations;
- Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure. Some program implementation approaches, BMPs (i.e., the program actions/activities), and measurable goals are suggested below.

What Are Some Guidelines for Developing and Implementing This Measure?

The intent of this control measure is to ensure that existing municipal, State or Federal operations are performed in ways that will minimize contamination of storm water discharges. EPA encourages the small MS4 operator to consider the following components when developing their program for this measure:

- ***Maintenance activities, maintenance schedules, and long-term inspection procedures*** for structural and non-structural controls to reduce floatables and other pollutants discharged from the separate storm sewers;

- ***Controls for reducing or eliminating the discharge of pollutants*** from areas such as roads and parking lots, maintenance and storage yards (including salt/sand storage and snow disposal areas), and waste transfer stations. These controls could include programs that promote recycling (to reduce litter), minimize pesticide use, and ensure the proper disposal of animal waste;

- ***Procedures for the proper disposal of waste*** removed from separate storm sewer systems and areas listed in the bullet above, including dredge spoil, accumulated sediments, floatables, and other debris; and

- ***Ways to ensure that new flood management projects assess the impacts on water quality*** and examine existing projects for incorporation of additional water quality protection devices or practices. EPA encourages coordination with flood control managers for the purpose of identifying and addressing environmental impacts from such projects.

The effective performance of this control measure hinges on the proper maintenance of the BMPs used, particularly for the first two bullets above. For example, structural controls, such as grates on outfalls to capture floatables, typically need regular cleaning, while non-structural controls, such as training materials and recycling programs, need periodic updating.

What Are Appropriate Measurable Goals?

Measurable goals, which are required for each minimum control measure, are meant to gauge permit compliance and program effectiveness. The measurable goals, as well as the BMPs, should consider the needs and characteristics of the operator and the area served by its small MS4. The measurable goals should be chosen using an integrated approach that fully addresses the requirements and intent of the minimum control measure. An integrated approach for this minimum measure could include the following measurable goals:

Target Date	Activity
1 year.....	Pollution prevention plan (the new BMPs and revised procedures) completed; employee training materials gathered or developed; procedures in place for catch basin cleaning after each storm and regular street sweeping.
2 years.....	Training for appropriate employees completed; recycling program fully implemented.
3 years.....	Some pollution prevention BMPs incorporated into master plan; a certain percentage reduction in pesticide and sand/salt use; maintenance schedule for BMPs established.
4 years.....	A certain percentage reduction in floatables discharged; a certain compliance rate with maintenance schedules for BMPs; controls in place for all areas of concern.

For Additional Information

Contact

☞ U.S. EPA Office of Wastewater Management
- Phone: 202 260-5816
- E-mail: SW2@epa.gov
- Internet: www.epa.gov/owm/sw/phase2

Reference Documents

☞ Storm Water Phase II Final Rule Fact Sheet Series
- Internet: www.epa.gov/owm/sw/phase2

☞ Storm Water Phase II Final Rule (64 *FR* 68722)
- Internet: www.epa.gov/owm/sw/phase2
- Contact the U.S. EPA Water Resource Center
  - Phone: 202 260-7786
  - E-mail: center.water-resource@epa.gov

United States Environmental Protection Agency | Office of Water (4203) | EPA 833-F-00-013 January 2000 Fact Sheet 3.0

EPA

Storm Water Phase II Final Rule

Small Construction Program Overview

Storm Water Phase II Final Rule Fact Sheet Series

Overview

Small MS4 Program

Construction Program

Industrial "No Exposure"

The 1972 amendments to the Federal Water Pollution Control Act, later referred to as the Clean Water Act (CWA), prohibit the discharge of any pollutant to navigable waters of the United States from a point source unless the discharge is authorized by a National Pollutant Discharge Elimination System (NPDES) permit. Efforts to improve water quality under the NPDES program traditionally have focused on reducing pollutants in industrial process wastewater and municipal sewage treatment plant discharges. Over time, it has become evident that more diffuse sources of water pollution, such as storm water runoff from construction sites, are also significant contributors to water quality problems.

Sediment runoff rates from construction sites are typically 10 to 20 times greater than those from agricultural lands, and 1,000 to 2,000 times greater than those of forest lands. During a short period of time, construction activity can contribute more sediment to streams than can be deposited over several decades, causing physical and biological harm to our Nation's waters.

In 1990, EPA promulgated rules establishing Phase I of the NPDES storm water program. Phase I addresses, among other discharges, discharges from large construction activities disturbing 5 acres or more of land. Phase II of the NPDES storm water program covers small construction activities disturbing between 1 and 5 acres. Phase II became final on December 8, 1999 with small construction permit applications due by March 10, 2003 (specific compliance dates will be set by the NPDES permitting authority in each State). This fact sheet outlines the construction activities covered by Phase I and Phase II, including possible waiver options from Phase II coverage, and the Phase II construction program requirements.

Who Is Covered Under the Phase I Rule?

Sites Five Acres and Greater

The Phase I NPDES storm water rule identifies eleven categories of industrial activity in the definition of "storm water discharges associated with industrial activity" that must obtain an NPDES permit. Category (x) of this definition is construction activity, commonly referred to as "large" construction activity. Under category (x), the Phase I rule requires all ***operators*** of construction activity ***disturbing 5 acres or greater of land*** to apply for an NPDES storm water permit. Operators of sites disturbing less than 5 acres are also required to obtain a permit if their activity is part of a "larger common plan of development or sale" with a planned disturbance of 5 acres or greater. "Disturbance" refers to exposed soil resulting from activities such as clearing, grading, and excavating. Construction activities can include road building, construction of residential houses, office buildings, industrial sites, or demolition.

What Is Meant by a "Larger Common Plan of Development or Sale"?

As defined in EPA's NPDES storm water general permit for large construction activity, a "larger common plan of development or sale" means a contiguous area where multiple separate and distinct construction activities are occurring under one plan (e.g., the operator is building on three half-acre lots in a 6-acre development). The "plan" in a common plan of development or sale is broadly defined as any announcement or piece of documentation

(including a sign, public notice or hearing, sales pitch, advertisement, drawing, permit application, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating that construction activities may occur on a specific plot.

What Is the Definition of an "Operator" of a Construction Site?

As defined in EPA's storm water general permit for large construction activity, an "operator" is the party or parties that has:

- Operational control of construction project plans and specifications, including the ability to make modifications to those plans and specifications; *or*
- Day-to-day operational control of those activities that are necessary to ensure compliance with a storm water pollution prevention plan (SWPPP) for the site or other permit conditions (e.g., they are authorized to direct workers at a site to carry out activities required by the SWPPP or comply with other permit conditions).

There may be more than one party at a site performing the tasks related to "operational control" as defined above. Depending on the site and the relationship between the parties (e.g., owner, developer, contractor), there can either be a single party acting as site operator and consequently be responsible for obtaining permit coverage, or there can be two or more operators, all obligated to seek permit coverage. It is important to note that NPDES-authorized States may use a different definition of "operator" than the one above.

How Is the Phase II Construction Rule Related to the Phase I Construction Rule?

In 1992, the Ninth Circuit court remanded for further proceedings portions of EPA's existing Phase I storm water regulation related to the category (x) discharges from large construction activity (NRDC v. EPA, 966 F.2d at 1292). EPA responded to the court's decision by designating under Phase II storm water discharges from construction activity disturbing less than 5 acres as sources that should be regulated to protect water quality. The Phase II Rule designates these sources as "storm water discharges associated with *small construction* activity," rather than as another category under "storm water associated with *industrial* activity."

Who Is Covered Under the Phase II Construction Rule?

Sites Between One and Five Acres

The Storm Water Phase II Rule automatically designates, as small construction activity under the NPDES storm water permitting program, all operators of construction site activities that result in a ***land disturbance of equal to or greater than 1 and less than 5 acres.***

Sites Less Than One Acre

Site activities disturbing less than 1 acre are also regulated as small construction activity if they are part of a larger common plan of development or sale with a planned disturbance of equal to or greater than 1 acre and less than 5 acres, or if they are designated by the NPDES permitting authority. The NPDES permitting authority or EPA Region may designate construction activities disturbing less than 1 acre based on the potential for contribution to a violation of a water quality standard or for significant contribution of pollutants to waters of the United States.

Are Waivers Available for Operators of Regulated Construction Activity?

Yes, but only for small, not large, construction activity. Under the Phase II Rule, NPDES permitting authorities have the option of providing a waiver from the requirements to operators of small construction activity who certify to either one of two conditions:

1. Low predicted rainfall potential (i.e., activity occurs during a negligible rainfall period), where the rainfall erosivity factor ("R" in the Revised Universal Soil Loss Equation [RUSLE]) is less than 5 during the period of construction activity; *or*
2. A determination that storm water controls are not necessary based on either:
   - (A) A "total maximum daily load" (TMDL) that address the pollutant(s) of concern for construction activities; **OR**
   - (B) An equivalent analysis that determines allocations are not needed to protect water quality based on consideration of instream concentrations, expected growth in pollutant concentrations from all sources, and a margin of safety.

Pollutants of concern include sediment or a parameter that addresses sediment (such as total suspended solids, turbidity, or siltation) and any other pollutant that has been identified as a cause of

The intent of the waiver provision is to waive only those sites that are highly unlikely to have a negative effect on water quality. Therefore, before applying for a waiver, operators of small construction activity are encouraged to consider the potential water quality impacts that may result from their project and to carefully examine such factors as proximity to water resources and sensitivity of receiving waters.

a. *What is the Rainfall Erosivity Factor in Waiver ❶?*

Waiver ❶ uses the Rainfall Erosivity Factor to determine whether the potential for polluted discharge is low enough to justify a waiver from the requirements. It is one of six variables used by the Revised Universal Soil Loss Equation (RUSLE)—a predictive tool originally used to measure soil loss from agricultural lands at various times of the year on a regional basis—to predict soil loss from construction sites. The Rainfall Erosivity Factor waiver is time-sensitive and is dependent on when during the year a construction activity takes place, how long it lasts, and the expected rainfall and intensity during that time. For information about the rainfall erosivity waiver, see Fact Sheet 3.1. Charts detailing the value of the Rainfall Erosivity Factor by particular regions can be found in Chapter 2 of the RUSLE user's guide, which can be downloaded at: http://www.epa.gov/owm/sw/phase2.

b. *What is a "TMDL" in Waiver ❷?*

For impaired waters where technology-based controls required by NPDES permits are not achieving State water quality standards, the CWA requires implementation of the TMDL process. The TMDL process establishes the maximum amount of pollutants a waterbody can assimilate before water quality is impaired, then requires that this maximum level not be exceeded.

A TMDL is done for each pollutant that is found to be contributing to the impairment of a waterbody or a segment of a waterbody. To allow a waiver for construction activities, a TMDL would need to address sediment, or a parameter that addresses sediment such as total suspended solids, turbidity, or siltation. Additional TMDLs addressing common pollutants from construction sites such as nitrogen, phosphorus, and oil and grease also may be necessary to ensure water quality protection and allow a waiver from the NPDES storm water program.

A TMDL assessment determines the source or sources of a pollutant of concern, considers the maximum allowable level of that pollutant for the waterbody, then allocates to each source or category of sources a set level of the pollutant that it is allowed to discharge into the waterbody. Allocations to point sources are called wasteload allocations.

How Would an Operator Qualify for, and Certify to, Waiver ❷?

EPA expects that when TMDLs, or equivalent analyses are completed, there may be a determination that certain classes of sources, such as small construction activity, would not have to control their contribution of pollutants of concern to the waterbody in order for the waterbody to be in attainment with water quality standards (i.e., these sources were not assigned wasteload allocations). In such a case, to qualify for waiver ❷, the operator of the construction site would need to certify that its construction activity will take place, and the storm water discharges will occur, within the area covered either by the TMDLs or equivalent analysis. A certification form would likely be provided by the NPDES permitting authority for this purpose.

What Does the Phase II Construction Program Require?

The Phase II Final Rule requires operators of Phase II small construction sites, nationally, to obtain an NPDES permit and implement practices to minimize pollutant runoff. It is important to note that, locally, these same sites also may be covered by State, Tribal, or local construction runoff control programs (see Fact Sheets 2.6 and 2.7 for information on the Phase II small MS4's construction program). For the Phase II small construction program, EPA has taken an approach similar to Phase I where the program requirements are not fully defined in the rule but rather in the NPDES permit issued by the NPDES permitting authority.

EPA recommends that the NPDES permitting authorities use their existing Phase I large construction general permits as a guide to developing their Phase II small construction permits. In doing so, the Phase II requirements would be similar to the three general Phase I requirements summarized below.

- ❑ Submission of a *Notice of Intent* (NOI) that includes general information and a certification that the activity will not impact endangered or threatened species. This certification is unique to EPA's NOI and is not a requirement of most NPDES-delegated State's NOIs;
- ❑ The development and implementation of a *Storm Water Pollution Prevention Plan* (SWPPP) with appropriate BMPs to minimize the discharge of pollutants from the site; and

- Submission of a Notice of Termination (NOT) when final stabilization of the site has been achieved as defined in the permit or when another operator has assumed control of the site.

Can the Permitting Authority Reference a Qualifying Erosion and Sediment Control Program in NPDES Construction Permits?

Yes. The Phase II Rule allows the NPDES permitting authority to include in its NPDES permits for large and for small construction activity conditions that incorporate by reference qualifying State, Tribal, or local erosion and sediment control program requirements. A qualifying program must include the following requirements:

- Requirements for construction site operators to implement appropriate erosion and sediment control best management practices;
- Requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste that may cause adverse impacts to water quality;
- Requirements for construction site operators to develop and implement a storm water pollution prevention plan; and
- Requirements to submit a site plan for review that incorporates consideration of potential water quality impacts.

In addition to the four elements above, a qualifying program for large construction activities must also include any additional requirements necessary to achieve the applicable technology-based standards of "Best Available Technology" (BAT) and "Best Conventional Technology" (BCT) based on the best professional judgment of the permit writer.

Should a State, Tribal, or local program include one or more, but not all, of the elements listed above, the permitting authority can reference the program in the permit, provided it also lists the missing element(s) as a condition in the permit.

What are Some Recommended BMPs for Small Construction Sites?

The approach and BMPs used for controlling pollutants in storm water discharges from small construction sites may vary from those used for large sites since their characteristics can differ in many ways. For example, operators of small sites may have more limited access to qualified design personnel and technical information. Also, small sites may have less space for installing and maintaining certain BMPs.

As is the case with all construction sites, erosion and sediment control at small construction sites is best accomplished with proper planning, installation, and maintenance of controls. The following practices have shown to be efficient, cost effective, and versatile for small construction site operators to implement. The practices are divided into two categories: non-structural and structural.

Non-Structural BMPs

- Minimizing Disturbance
- Preserving Natural Vegetation
- Good Housekeeping

Structural BMPs

Erosion Controls

- Mulch
- Grass
- Stockpile Covers

Sediment Controls

- Silt Fence
- Inlet Protection
- Check Dams
- Stabilized Construction Entrances
- Sediment Traps

Most erosion and sediment controls require regular maintenance to operate correctly. Accumulated sediments should be removed frequently and materials should be checked periodically for wear. Regular inspections by qualified personnel, which can allow problem areas to be addressed, should be performed after major rain events.

For Additional Information

Contact

- U.S. EPA Office of Wastewater Management
  - Phone: 202 260-5816
  - E-mail: SW2@epa.gov
  - Internet: www.epa.gov/owm/sw/phase2

- Your local soil conservation district office. They can provide assistance with RUSLE and other conservation related issues.
  - A list of conservation district contacts is available at: www.nacdnet.org/resources/cdsonweb.html

Reference Documents

- Storm Water Phase II Final Rule Fact Sheet Series
  - Internet: www.epa.gov/owm/sw/phase2

- Storm Water Phase II Final Rule (64 *FR* 68722)
  - Internet: www.epa.gov/owm/sw/phase2
  - Contact the U.S. EPA Water Resource Center
    - Phone: 202 260-7786
    - E-mail: center.water-resource@epa.gov

- *Agricultural Handbook Number 703, Predicting Soil Erosion by Water: A Guide to Conservation Planning With the Revised Universal Soil Loss Equation (RUSLE)*, Chapter 2, pp. 21-64, January 1997.
  - Internet: www.epa.gov/owm/sw/phase2

- *Guidance for Water Quality Based Decisions: The TMDL Process.* April 1991. U.S. EPA Office of Water. EPA 440/4-91-001.
  - Internet: www.epa.gov/OWOW/tmdl

- *NPDES General Permit for Storm Water Discharges from Construction Activities* (63 FR 7857).
  - Internet: www.epa.gov/owm/sw
  - Contact the U.S. EPA Water Resource Center
    - Phone: 202 260-7786
    - E-mail: center.water-resource@epa.gov

United States Environmental Protection Agency
Office of Water (4203)
EPA 833-F-00-015
January 2000
Fact Sheet 4.0

EPA

Storm Water Phase II Final Rule

Conditional No Exposure Exclusion for Industrial Activity

Why Is the Phase I No Exposure Exclusion Addressed in the Phase II Final Rule?

The 1990 storm water regulations for Phase I of the federal storm water program identify eleven categories of industrial activities that must obtain a National Pollutant Discharge Elimination System (NPDES) permit. Operators of certain facilities within category eleven (xi), commonly referred to as "light industry," were exempted from the definition of "storm water discharge associated with industrial activity," and the subsequent requirement to obtain an NPDES permit, provided their industrial materials or activities were not "exposed" to storm water. This Phase I exemption from permitting was limited to those facilities identified in category (xi), and did not require category (xi) facility operators to submit any information supporting their no exposure claim.

In 1992, the Ninth Circuit court remanded to EPA for further rulemaking the no exposure exemption for light industry after making a determination that the exemption was arbitrary and capricious for two reasons. First, the court found that EPA had not established a record to support its assumption that light industrial activity that is not exposed to storm water (as opposed to all other regulated industrial activity not exposed) is not a "storm water discharge associated with industrial activity." Second, the court concluded that the exemption impermissibly relied on the unsubstantiated judgment of the light industrial facility operator to determine the applicability of the exemption. This fact sheet describes the revised conditional no exposure exclusion as presented in the Phase II Final Rule.

Who is Eligible to Claim No Exposure?

As revised in the Phase II Final Rule, the conditional no exposure exclusion applies to ALL industrial categories listed in the 1990 storm water regulations, except for construction activities disturbing 5 or more acres (category (x)).

What Is The Regulatory Definition of "No Exposure"?

The intent of the no exposure provision is to provide facilities with industrial materials and activities that are entirely sheltered from storm water a simplified way of complying with the storm water permitting provisions of the Clean Water Act (CWA). This includes facilities that are located within a larger office building, or facilities at which the only items permanently exposed to precipitation are roofs, parking lots, vegetated areas, and other non-industrial areas or activities. The Phase II regulatory definition of "no exposure" follows.

> *No exposure* means all industrial materials and activities are protected by a storm resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff. Industrial materials or activities include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products.

A storm resistant shelter is not required for the following industrial materials and activities:

- ❑ Drums, barrels, tanks, and similar containers that are tightly sealed, provided those containers are not deteriorated and do not leak. "Sealed" means banded or otherwise secured and without operational taps or valves;
- ❑ Adequately maintained vehicles used in materials handling; and
- ❑ Final products, other than products that would be mobilized in storm water discharges (e.g., rock salt).

The term "storm-resistant shelter," as used in the no exposure definition, includes completely roofed and walled buildings or structures, as well as structures with only a top cover but no side coverings, provided material under the structure is not otherwise subject to any run-on and subsequent runoff of storm water. While the intent of the no exposure provision is to promote a condition of permanent no exposure, EPA understands certain vehicles could become temporarily exposed to rain and snow while passing between buildings. Adequately maintained mobile equipment (e.g., trucks, automobiles, forklifts, trailers, or other such general purpose vehicles found at the industrial site that are not industrial machinery, and that are not leaking contaminants or are not otherwise a source of industrial pollutants) can be exposed to precipitation or runoff. Such activities alone would not prevent a facility from certifying to no exposure. Similarly, trucks or other vehicles awaiting maintenance at vehicle maintenance facilities that are not leaking contaminants or are not otherwise a source of industrial pollutants, are not considered "exposed."

In addition, EPA recognizes that there are circumstances where permanent no exposure of industrial activities or materials is not possible and, therefore, under such conditions, materials and activities can be sheltered with temporary covers (e.g., tarps) between periods of permanent enclosure. The no exposure provision does not specify every such situation, but NPDES permitting authorities can address this issue on a case-by-case basis.

The Phase II Final Rule also addresses particulate matter emissions from roof stacks/vents that are regulated by, and in compliance with, other environmental protection programs (i.e., air quality control programs) and that do not cause storm water contamination are considered not exposed. Particulate matter or visible deposits of residuals from roof stacks and/or vents not otherwise regulated (i.e., under an air quality control program) and evident in storm water outflow are considered exposed. Likewise, visible "track out" (i.e., pollutants carried on the tires of vehicles) or windblown raw materials is considered exposed. Leaking pipes containing contaminants exposed to storm water are deemed exposed, as are past sources of storm water contamination that remain onsite. General refuse and trash, not of an industrial nature, is not considered exposed as long as the container is completely covered and nothing can drain out holes in the bottom, or is lost in loading onto a garbage truck. Industrial refuse and trash that is left uncovered, however, is considered exposed.

What is Required Under the No Exposure Provision?

The Phase II Final Rule represents a significant expansion in the scope of the original no exposure provision in terms of eligibility (as noted above) and responsibilities for facilities claiming the exclusion. Under the original no exposure provision, a light industry operator was expected to make an independent determination of whether there was "exposure" of industrial materials and activities to storm water and, if not, simply not submit a permit application. An operator seeking to qualify for the revised conditional no exposure exclusion, including light industry operators (i.e., category (xi) facilities), must:

- ❑ Submit written certification that the facility meets the definition of "no exposure" to the NPDES permitting authority once every 5 years.
  - The Phase II Final Rule includes a four-page *No Exposure Certification* form that uses a series of yes/no questions to aid facility operators in determining whether they have a condition of no exposure. It also serves as the necessary certification of no exposure provided the operator is able to answer all the questions in the negative. EPA's *Certification* is for use only by operators of industrial activity located in areas where EPA is the NPDES permitting authority.
  - A copy of the *Certification* can be obtained from the U.S. EPA Office of Wastewater Management (OWM) web site, the Storm Water Phase II Final Rule published in the *Federal Register* (Appendix 4), or by contacting OWM.
- ❑ Submit a copy, upon request, of the *Certification* to the municipality in which the facility is located.
- ❑ Allow the NPDES permitting authority or, if discharging into a municipal separate storm sewer system, the operator of the system, to: (1) inspect the facility; and (2) make such inspection reports publicly available upon request.

Regulated industrial operators need to either apply for a permit or submit a no exposure certification form in order to be in compliance with the NPDES storm water regulations. Any permit held becomes null and void once a certification form is submitted.

Even when an industrial operator certifies to no exposure, the NPDES permitting authority still retains the authority to require the operator to apply for an individual or general permit if the NPDES permitting authority has determined that the discharge is contributing to the violation of, or interfering with the attainment or maintenance of, water quality standards, including designated uses.

Are There Any Concerns Related to Water Quality Standards?

Yes. An operator certifying that its facility qualifies for the conditional no exposure exclusion may, nonetheless, be required by the NPDES permitting authority to obtain permit authorization. Such a requirement would follow the permitting authority's determination that the discharge causes, has a reasonable potential to cause, or contributes to a violation of an applicable water quality standard, including designated uses. Designated uses can include use as a drinking water supply or for recreational purposes.

Many efforts to achieve no exposure can employ simple good housekeeping and contaminant cleanup activities such as moving materials and activities indoors into existing buildings or structures. In limited cases, however, industrial operators may make major changes at a site to achieve no exposure. These efforts may include constructing a new building or cover to eliminate exposure or constructing structures to prevent run-on and storm water contact with industrial materials and activities. Major changes undertaken to achieve no exposure, however, can increase the impervious area of the site, such as when a building with a smooth roof is placed in a formerly vegetated area. Increased impervious area can lead to an increase in the volume and velocity of storm water runoff, which, in turn, can result in a higher concentration of pollutants in the discharge, since fewer pollutants are naturally filtered out.

The concern of increased impervious area is addressed in one of the questions on the *Certification* form, which asks, "Have you paved or roofed over a formerly exposed, pervious area in order to qualify for the no exposure exclusion? If yes, please indicate approximately how much area was paved or roofed over." This question has no affect on an operator's eligibility for the exclusion. It is intended only to aid the NPDES permitting authority in assessing the likelihood of such actions interfering with water quality standards. Where this is a concern, the facility operator and its NPDES permitting authority should take appropriate actions to ensure that water quality standards can be achieved.

What Happens if the Condition of No Exposure Is Not Maintained?

Under the Phase II Final Rule, the no exposure exclusion is conditional and not an outright exemption. Therefore, if there is a change in circumstances that causes exposure of industrial activities or materials to storm water, the operator is required to comply immediately with all the requirements of the NPDES Storm Water Program, including applying for and obtaining a permit.

Failure to maintain the condition of no exposure or obtain coverage under an NPDES storm water permit can lead to the unauthorized discharge of pollutants to waters of the United States, resulting in penalties under the CWA. Where a facility operator determines that exposure is likely to occur in the future due to some anticipated change at the facility, the operator should submit an application and acquire storm water permit coverage prior to the exposed discharge to avoid such penalties.

For Additional Information

Contact

☞ U.S. EPA Office of Wastewater Management
- Phone: 202 260-5816
- E-mail: SW2@epa.gov
- Internet: www.epa.gov/owm/sw/phase2

☞ Your NPDES Permitting Authority. (A list of names and phone numbers for each U.S. EPA Region is included in Fact Sheet 2.9. Additional contact names, addresses, and numbers for each State can be obtained from the U.S. EPA Office of Wastewater Management)

Reference Documents

☞ Storm Water Phase II Final Rule Fact Sheet Series
- Internet: www.epa.gov/owm/sw/phase2

☞ Storm Water Phase II Final Rule (64 *FR* 68722)
- Internet: www.epa.gov/owm/sw/phase2
- Contact the U.S. EPA Water Resource Center
  - Phone: 202 260-7786
  - E-mail: center.water-resource@epa.gov

Storm Water Phase II

Controlling Pollutants in Industrial Storm Water Recommended Control Measures Based on Experiences of the City of Portland, Oregon

This information is based on requirements of the Storm Water Phase I regulations and the experiences of the City of Portland, Oregon, a Phase I municipal permittee. Therefore, the information provided is a recommendation only for those Phase II municipalities that choose to implement this aspect of the program. The guidelines that are provided may be implemented in their entirety or as needed. Each municipality should evaluate their specific circumstances when assessing any program development.

This information sheet profiles the requirements for the owner or operator of a Phase I regulated municipal separate storm sewer system (MS4) to monitor and control pollutants in storm water runoff from industrial facilities. This is not a requirement for the owner or operator of a Phase II regulated small MS4. This information sheet profiles the experiences and results of the City of Portland, Oregon, a municipality regulated under Phase I. Evidence is presented that may compel those regulated under Phase II to assess the feasibility or necessity of implementing control measures to reduce the amount of pollutants discharged to the MS4 from this source. Although recommendations are provided, the small MS4 owner or operator would have a great deal of flexibility in choosing exactly how to address this source.

What Are the Phase I Requirements?

The Phase I regulations 40 CFR 122.26(d)(2) require, in part, that the applicant (i) develop adequate legal authority, (ii) perform a source identification, and (iv) develop a management program to reduce the discharge of pollutants to the maximum extent practicable using management practices, control techniques and system design and engineering methods, and such other provisions which are appropriate. Specifically, with regards to industrial controls, the management plan shall include the following.

> 40 CFR 122.26(d)(2)(iv)(C). A description of a program to monitor and control pollutants in storm water discharges to municipal systems from municipal landfills, hazardous waste treatment, disposal and recovery facilities, industrial facilities that are subject to section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA), and industrial facilities that the municipal permit applicant determines are contributing a substantial pollutant loading to the municipal storm sewer system. The program shall:
>
> (1) Identify priorities and procedures for inspections and establishing and implementing control measures for such discharges;
> (2) Describe a monitoring program for storm water discharges associated with industrial facilities.....

In addition to requiring permits for large and medium MS4s, the Phase I regulations, 40 CFR 122.26(a)(1)(i), require industries with storm water discharges associated with industrial activity to obtain a NPDES permit if the discharge is to a MS4 or directly conveyed to surface waters. Storm water associated with industrial activity is defined in (b)(14) of the regulations and is applied to categories of industries identified in paragraphs (b)(14)(i) through (x). These categories include landfills, hazardous waste treatment, storage, or disposal facilities, steam electric power generating facilities, and a variety of mining, manufacturing, transportation, and recycling facilities identified using Standard Industrial Classification (SIC) Codes.

Why Are Industrial Storm Water Control Measures Being Recommended?

The municipality is ultimately responsible for discharges from their MS4. Because industrial awareness of the program may not be complete, there may be facilities within the MS4 area that should be permitted but are not. In addition, the Phase I regulations that require industries to obtain permits is driven by SIC Code. This has been shown to be less than comprehensive in identifying industries that should be permitted. Another concern is that the permitting authority may not have adequate resources to provide the necessary oversight of permitted facilities. Therefore, it is in the municipality's best interest to assess

their specific situation and evaluate if an industrial program is necessary and to what extent.

What Is Being Recommended?

Recognizing that the municipality is ultimately responsible for the quality of discharges from their MS4, the owner or operator of a regulated small MS4 should evaluate the industrial base and determine their status with permit requirements. Based on this evaluation, the owner or operator of a small MS4 can identify what elements of a program, if any, that they should implement. To accomplish this, the following guidelines are provided.

- A storm sewer system map showing the location of the pipes, outfalls, and topography. (This is already a requirement for the illicit discharge BMP);
- Identify the industrial facilities that are discharging storm water to the MS4. Identify, by SIC Code, the activities that are conducted at these sites. Determine permit status through discussions with the permitting authority;
- Through an ordinance, order, or similar means, the ability to enter premises, conduct inspections, receive and review SWPCPs and monitoring results, and appropriate enforcement procedures and actions;
- A plan to address storm water discharges to the MS4 from industrial facilities.
- The education of industrial users in the MS4 about permit requirements, the concerns with storm water discharges from industrial facilities, and best management practices (BMPs) to minimize the discharge of pollutants in storm water runoff.

What Are Some Guidelines for Developing and Implementing The Recommendations?

The objectives of the industrial storm water control measures is to have the regulated small MS4 owners and operators gain a thorough awareness of who the industrial users are that discharge to the MS4 and their compliance status with Phase I regulations. This understanding will allow them to determine the type of oversight that may be necessary and what education efforts should be implemented. Some general guidance for the recommendations is provided below.

The Map

A storm sewer system map is to be developed as part of the illicit discharge detection and elimination minimum control measure. For the purposes of industrial controls, it can be used to help identify which facilities discharge to the MS4 and the associated outfalls. Using this information, the owner and operator of a small regulated MS4 can respond to water quality concerns at outfalls due to both dry weather flow and storm water.

Identify the Industries That Discharge to the MS4

Using business licenses, surveys, and existing information from other programs, determine the industrial facilities that are located within the MS4. Use the SIC Code description to identify facilities that may be subject to Phase I regulations. Determine, through discussions with the permitting authority, the status of compliance with permitting requirements for those facilities identified. Identify other facilities that may be of concern.

Determine which facilities have discharge to the MS4. This may require reviewing building and plumbing records, and possibly on-site investigations. Because of this, the regulated small MS4 should prioritize this work based on the type of facility and/or location within an outfall basin that may be experiencing water quality issues.

Legal Authority

The permittee will be encouraged to establish and enforce an ordinance, or similar means, which prohibits illicit discharges. It is recommended that the permittee expand the scope of the ordinance to provide the necessary means to implement any industrial storm water control measures identified in an implementation plan, if developed. This could include provisions to enter and inspect the premises, review SWPCPs and other documents pertaining to permits, and require implementation of BMPs. It could also include appropriate enforcement capability.

The Plan

An assessment should be made as to whether an industrial control program is appropriate and to what extent. Any plan that the permittee implements will depend largely upon the identification of the industrial facilities that discharge to the MS4 and if adequate controls are in place. Available resources and size of staff will also influence the extent of the plan. As guidance only, the following steps are recommended in determining the extent and type of an industrial control program.

1) **Identify the Industrial Base**
   Identify the industrial facilities that discharge to the MS4. Use maps, building and plumbing records, surveys, business license reviews, and information from existing programs, such as pretreatment. Identify, using SIC Codes, the type of industrial activity that is

conducted at each site. Obtain information from the permitting authority regarding the permit status for the facilities identified.

2) **Determine the Extent of the Program**
Use the information from identifying the industrial base to determine what, if any, control programs should be developed. At a minimum, develop a process to handle complaints by responding to the site or referring the information to the permitting authority. Develop a process to "petition" the permitting authority to issue a NPDES permit. If appropriate, develop a program to perform inspections of facilities that may contribute to a violation of a water quality standard or are significant contributors of pollutants. Prioritize the work based on the type of facilities present and/or outfall basins that are experiencing water quality concerns. Ensure that adequate legal authority exists to implement the plan. This could include Code modification or development and/or a Memorandum of Agreement with the permitting authority. The extent of the program may be determined, in part, by the amount of staff and resources available.

3) **Identify Who is Responsible For Implementing the Program**
Once the extent of a program has been determined, appropriate staff should be identified to implement the program. Depending on the program, this could include dedicating staff to make this their primary responsibility, or incorporating these tasks into existing programs. Existing programs such as pretreatment, hazardous materials, and the illicit discharge and elimination programs are all viable alternatives that have been used successfully by municipalities. The municipality should ensure that adequate time and resources are available to whomever the tasks are assigned to. If the program is not an assigned task, oversight can become limited when resources are limited or demands are placed on their primary responsibilities.

4) **Document Procedures and Activities**
Whatever the extent of the program, the municipality should formulate and document the procedures to be used when addressing storm water runoff from industrial facilities. This will provide a mechanism to respond to complaints and inquiries, and will illustrate that the municipality is progressing towards the necessary oversight of its' MS4. If a more extensive program is developed, an implementation manual should be formulated that identifies priorities and procedures for inspections and, if included, monitoring of storm water runoff. All activities, including response to complaints, inspections, and monitoring should be documented.

Educational Outreach
Educational outreach to businesses and industries about practices that can reduce pollutants in storm water runoff will help to gain support for the permittee's storm water program. Educational outreach is already identified as a component of the illicit discharge elimination program to inform various groups what they can do to detect and eliminate illicit discharges. Further efforts could include the following:

- Providing training programs for public employees;
- Developing informative brochures, and guidances for specific audiences (e.g., automotive shops, restaurants, recycling facilities, etc.)
- Developing informative brochures, and guidances for specific industrial practices (e.g. waste storage, sand blasting and painting, loading and unloading of materials, etc.)
- Develop partnerships with other groups and agencies to incorporate storm water educational outreach into their programs.

What Would Be Appropriate Measurable Goals?

Measurable goals will depend largely on the type and extent of the program developed and the area served by the MS4. The measurable goals are listed to address a comprehensive inspection program but include target dates for developing a program with lower commitments.

Target Date	Activity
1 year.....	Sewer system map completed as part of IDEP. Industries identified in service area that have storm water permits.
2 years.....	Ordinance in place; comprehensive listing of industries within service area; identification of program oversight and responsible staff; documentation of program procedures; training for public employees completed.
3 years.....	Best management practices brochures developed; Full implementation of an inpsection program.
4 years.....	Incorporate storm water pollution control principles into other groups and agencies.

The measurable goals for this control measure could be combined with those of the Illicit Discharge Detection and Elimination and Public Education and Outreach minimum control measures.

For Additional Information

Contact

- City of Portland, Oregon, Bureau of Environmental Services, Industrial Stormwater Program
  - Phone: 503 823-5320
  - E-mail: michaelp@bes.ci.portland.or.us
  - Internet: www.enviro.ci.portland.or.us/isp.htm
- U.S. EPA Office of Wastewater Management
  - Phone: 202 260-5816
  - E-mail: SW2@epa.gov
  - Internet: www.epa.gov.owm/sw/phase2/final.htm
- Your NPDES Permitting Authority. (A list of names and telephone numbers for each U.S.EPA Region, including State storm water contacts, can be obtained by contacting the U.S. EPA Office of Wastewater Management.)

Reference Documents

- Storm Water Phase II Fact Sheet Series.
  - Contact the U.S. EPA Water Resource Center at 202 260-7786 or at waterpubs@epa.gov
  - Internet: www.epa.gov.owm/sw/phase2/index.htm
  - *(at the time of printing, these were being revised)*
- Storm Water Phase II Rule, published on Dec. 8 1999 in the *Federal Register* (64 FR 68721).
  - Internet: www.epa.gov.owm/sw/phase2/final.htm

Sources

U.S. EPA Office of Water. 1992. *Developing Pollution Prevention Plans And Best Management Practices.* EPA 832-R-92-006.

U.S. EPA Storm Water Section. July 1991. Staff Analysis. *Analysis Of Implementing Permitting Activities For Storm Water Discharges Associated With Industrial Activity.*

Special Fax: Please disregard if you have already received my e-mail.

North Central Texas Council of Governments

The Final Phase II rules have been signed by the EPA Administrator!

The final Phase II storm water rules have indeed been signed by the EPA Administrator (October 29). They will become official (law) once they are published in the Federal Register in a couple of weeks. The new rules will require more than 5,000 smaller local governments, primarily those located in urbanized areas with total populations of 50,000 or more, to implement NPDES-permitted storm water quality management programs. The rules also lower the threshold for construction projects requiring NPDES permits, including municipal construction activities, from five acres to one acre. Municipal separate storm sewer systems (MS4s) will have 3 years and 3 months to obtain permits.

NCTCOG staff have been reviewing the rules. Our preliminary review has not uncovered any major changes: the 6 minimum measures are still there and construction requirements go down to 1 acre as proposed. There are several wording and phrasing changes, but most are seemingly to increase clarity and do not change the overall intent of the language. There seems to be a greater emphasis on a tie in to the TMDL program. The language also makes it easier for permittees to participate in cooperative programs, which supports what we already have underway. At the upcoming watershed meetings, we will have a more detailed discussion and analysis ready.

The Phase II final rules, along with a FACT SHEET, PRESS RELEASE and EPA's Report to Congress required by the Fiscal Year 2000 appropriations law, are now available at http://www.epa.gov/owm/sw/phase2/index.htm.

Let the games begin...

cc: John
Mike
Carmen

TDML = Total Maximum Daily Load

Jim Pierce

From: Keith Kennedy [keith@nctcog.dst.tx.us]
Sent: Friday, October 29, 1999 4:22 PM
To: Alan Upchurch (E-mail); Charlie Hastings (E-mail); Charlie Thomas (E-mail); Craig Powell; Dan Tracy (E-mail); Danny Johnson (E-mail); David McCarver (E-mail); David Nighswonger (E-mail); David R. Gattis AICP (E-mail); David Simons (E-mail); Dean Tesmer (E-mail); Dennis Schwartz (E-mail); Dolph Johnson (E-mail); Fred Owen (E-mail); Gene Rattan (E-mail); Greg Shugart (E-mail); Greg Van Nieuwenhuize (E-mail); Gregory W. Dickens (E-mail); Harry C. McWreath (E-mail); James Caffey (E-mail); James R. Cummings (E-mail); Jason Cosby (E-mail); Jay McCurley (E-mail); Jeff Chambers (E-mail); Jerry Murawski (E-mail); Jim Coulter (E-mail); Jim Pierce (E-mail); Joe Schwartz (E-mail); Johnnie Reagan (E-mail); Julie Winchell (E-mail); Karen C. Siddall (E-mail); Kent Collins (E-mail); Kirk Barnes (E-mail); Kyle Odom (E-mail); Larry McDaniel P. E. R. S (E-mail); Lynn Hurley (E-mail); Marina Giggleman (E-mail); Marion Henderson (E-mail); Matt Holzapfel (E-mail); Michael A. Moya (E-mail); Mike Shingler (E-mail); Philip Welsch (E-mail); Randy Brown (E-mail); Robert Berndt (E-mail); Robert Byrom; Ruben Delgado (E-mail); Steve Rollins (E-mail); Stewart Fairburn (E-mail); T. S Kumar (E-mail); Tom Moore (E-mail)
Cc: Jeff Rice; Leslie Calderon
Subject: Status of Stormwater Phase II Rules

Some interesting developments have been occurring concerning the Phase II rules and we have been tracking them the best we could. The following is the latest word from our contact at APWA, which we feel is very reliable. We look to continue to follow up on Monday to make sure it did indeed get signed by the Administrator and will send a follow-up. It appears everyone will have access to the new rules early next week. We'll let you know. Have a great weekend!

Keith Kennedy *P.O. Box 5888*
Senior Environmental Planner *Arlington, TX 76005-5888*
North Central Texas Council of Governments *(817) 695-9221, FAX 695-9191*

"It appears the U.S. EPA will issue the final stormwater phase II regulations today, Friday, October 29, despite a fiscal year 2000 appropriations provision, signed into law October 20, which required the agency to submit a report to Congress on the cost impacts and rationale behind the rules.

Michael B. Cook, Director of EPA's Office of Wastewater Management, told APWA this afternoon that he is "99.9% sure EPA Administrator Carol Browner will sign the regulations by midnight tonight." Cook said that EPA had submitted the required report to Congress yesterday, and that the text of the new rules and access to the report would be available on EPA's web site early next week.

To fully comply with the appropriations law, EPA still must submit a report to the Congress on the water quality improvements achieved through the phase I requirements. That report is due in February and does not affect issuance of the phase II rules.

No new information about the substance of the final phase II regulations has not been made available yet, although major changes to the proposed rules are not expected. APWA will send alert as soon as new information becomes available.

The web site where EPA will post information is: http://www.epa.gov/owm/sw/phase2/index.htm.

For more information, contact Stephanie Osborn in APWA's Washington Office at (202) 393-2792."

For the reasons set forth in the preamble, chapter I of title 40 of the Code of Federal Regulations is amended as follows:

PART 9--OMB APPROVALS UNDER THE PAPERWORK REDUCTION ACT

1. The authority citation for part 9 continues to read as follows:

Authority: 7 U.S.C. 135 et seq., 136-136y; 15 U.S.C. 2001, 2003, 2005, 2006, 2601-2671; 21 U.S.C. 331j, 346a, 348; 31 U.S.C. 9701; 33 U.S.C. 1251 et seq., 1311, 1313d, 1314, 1318, 1321, 1326, 1330, 1342, 1344, 1345 (d) and (e), 1361; E.O. 11735, 38 FR 21243, 3 CFR, 1971-1975 Comp. p. 973; 42 U.S.C. 241, 242b, 243, 246, 300f, 300g, 300g-1, 300g-2, 300g-3, 300g-4, 300g-5, 300g-6, 300j-1, 300j-2, 300j-3, 300j-4, 300j-9, 1857 et seq., 6901-6992k, 7401-7671q, 7542, 9601-9657, 11023, 11048.

2. In § 9.1 the table is amended by adding entries in numerical order under the indicated heading to read as follows:

§ 9.1 OMB approvals under the Paperwork Reduction Act.

* * * * *

40 CFR citation	OMB control No.
* * * * *	
EPA Administered Permit Programs: The National Pollutant Discharge Elimination System	
* * * * *	
122.26(g)	2040-0211
* * * * *	
State Permit Requirements	
* * * * *	
123.35(b)	2040-0211
* * * * *	

PART 122--EPA ADMINISTERED PERMIT PROGRAMS: THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

1. The authority citation for part 122 continues to read as follows:

Authority: The Clean Water Act, 33 U.S.C. 1251 et seq.

2. Revise § 122.21(c)(1) to read as follows:

§ 122.21 Application for a permit (applicable to State programs, see § 123.25).

* * * * *

(c) Time to apply. (1) Any person proposing a new discharge, shall submit an application at least 180 days before the date on which the discharge is to commence, unless permission for a later date has been granted by the Director. Facilities proposing a new discharge of storm water associated with industrial activity shall submit an application 180 days before that facility commences industrial activity which may result in a discharge of storm water associated with that industrial activity. Facilities described under §§ 122.26(b)(14)(x) or (b)(15)(i) shall submit applications at least 90 days before the date on which construction is to commence. Different submittal dates may be required under the terms of applicable general permits. Persons proposing a new discharge are encouraged to submit their applications well in advance of the 90 or 180 day requirements to avoid delay. See also paragraph (k) of this section and § 122.26(c)(1)(i)(G) and (c)(1)(ii).

* * * * *

3. In § 122.26, revise paragraphs (a)(9), (b)(4)(i), (b)(7)(i), (b)(14) introductory text, (b)(14)(x), (b)(14)(xi); redesignate paragraph (b)(15) as paragraph (b)(20) and add new paragraphs (b)(15) through (b)(19); revise the heading for paragraph (c) introductory text, the first sentence of paragraph (c)(1) introductory text, paragraph (c)(1)(ii) introductory text, paragraphs (e) introductory text,(e)(1) and (e)(5) introductory text; add paragraphs (e)(8) and (e)(9); and revise paragraphs (f)(4), (f)(5), and (g) to read as follows:

§ 122.26 Storm water discharges (applicable to State NPDES programs, see § 123.25).

(a) * * *

(9)(i) On and after October 1, 1994, for discharges composed entirely of storm water, that are not required by paragraph (a)(1) of this section to obtain a permit, operators shall be required to obtain a NPDES permit only if:

(A) The discharge is from a small MS4 required to be regulated pursuant to § 122.32;

(B) The discharge is a storm water discharge associated with small construction activity pursuant to paragraph (b)(15) of this section;

(C) The Director, or in States with approved NPDES programs either the Director or the EPA Regional Administrator, determines that storm water controls are needed for the discharge based on wasteload allocations that are part of "total maximum daily loads" (TMDLs) that address the pollutant(s) of concern; or

(D) The Director, or in States with approved NPDES programs

either the Director or the EPA Regional Administrator, determines that the discharge, or category of discharges within a geographic area, contributes to a violation of a water quality standard or is a significant contributor of pollutants to waters of the United States.

(ii) Operators of small MS4s designated pursuant to paragraphs (a)(9)(i)(A), (a)(9)(i)(C), and (a)(9)(i)(D) of this section shall seek coverage under an NPDES permit in accordance with §§ 122.33 through 122.35. Operators of non-municipal sources designated pursuant to paragraphs (a)(9)(i)(B), (a)(9)(i)(C), and (a)(9)(i)(D) of this section shall seek coverage under an NPDES permit in accordance with paragraph (c)(1) of this section.

(iii) Operators of storm water discharges designated pursuant to paragraphs (a)(9)(i)(C) and (a)(9)(i)(D) of this section shall apply to the Director for a permit within 180 days of receipt of notice, unless permission for a later date is granted by the Director (see § 124.52(c) of this chapter).

* * * * *

(b) * * *

(4) * * *

(i) Located in an incorporated place with a population of 250,000 or more as determined by the 1990 Decennial Census by the Bureau of the Census (Appendix F of this part); or

* * * * *

(7) * * *

(i) Located in an incorporated place with a population of 100,000 or more but less than 250,000, as determined by the 1990 Decennial Census by the Bureau of the Census (Appendix G of this part); or

* * * * *

(14) Storm water discharge associated with industrial activity means the discharge from any conveyance that is used for collecting and conveying storm water and that is directly related to manufacturing, processing or raw materials storage areas at an industrial plant. The term does not include discharges from facilities or activities excluded from the NPDES program under 40 CFR Part 122. For the categories of industries identified in this section, the term includes, but is not limited to, storm water discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters (as defined at 40 CFR Part 401); sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas

(including tank farms) for raw materials, and intermediate and final products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water. For the purposes of this paragraph, material handling activities include storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product, by-product or waste product. The term excludes areas located on plant lands separate from the plant's industrial activities, such as office buildings and accompanying parking lots as long as the drainage from the excluded areas is not mixed with storm water drained from the above described areas. Industrial facilities (including industrial facilities that are federally, State, or municipally owned or operated that meet the description of the facilities listed in this paragraph (b)(14)(i) through (xi) of this section) include those facilities designated under the provisions of paragraph (a)(1)(v) of this section. The following categories of facilities are considered to be engaging in "industrial activity" for purposes of this subsection:

* * * * *

(x) Construction activity including clearing, grading and excavation, except operations that result in the disturbance of less than five acres of total land area. Construction activity also includes the disturbance of less than five acres of total land area that is a part of a larger common plan of development or sale if the larger common plan will ultimately disturb five acres or more;

(xi) Facilities under Standard Industrial Classifications 20, 21, 22, 23, 2434, 25, 265, 267, 27, 283, 285, 30, 31 (except 311), 323, 34 (except 3441), 35, 36, 37 (except 373), 38, 39, and 4221-25;

(15) Storm water discharge associated with small construction activity means the discharge of storm water from:

(i) Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than one acre and less than five acres. Small construction activity also includes the disturbance of less than one acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one and less than five acres. Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the facility. The Director may waive the otherwise applicable requirements in a general permit for a storm water discharge from construction activities that disturb less than five acres where:

(A) The value of the rainfall erosivity factor ("R" in the

Revised Universal Soil Loss Equation) is less than five during the period of construction activity. The rainfall erosivity factor is determined in accordance with Chapter 2 of Agriculture Handbook Number 703, Predicting Soil Erosion by Water: A Guide to Conservation Planning With the Revised Universal Soil Loss Equation (RUSLE), pages 21-64, dated January 1997. The Director of the Federal Register approves this incorporation by reference in accordance with 5 U.S.C 552(a) and 1 CFR part 51. Copies may be obtained from EPA's Water Resource Center, Mail Code RC4100, 401 M St. S.W., Washington, DC 20460. A copy is also available for inspection at the U.S. EPA Water Docket , 401 M Street S.W., Washington, DC. 20460, or the Office of the Federal Register, 800 N. Capital Street N.W. Suite 700, Washington, DC. An operator must certify to the Director that the construction activity will take place during a period when the value of the rainfall erosivity factor is less than five; or

(B) Storm water controls are not needed based on a "total maximum daily load" (TMDL) approved or established by EPA that addresses the pollutant(s) of concern or, for non-impaired waters that do not require TMDLs, an equivalent analysis that determines allocations for small construction sites for the pollutant(s) of concern or that determines that such allocations are not needed to protect water quality based on consideration of existing in-stream concentrations, expected growth in pollutant contributions from all sources, and a margin of safety. For the purpose of this paragraph, the pollutant(s) of concern include sediment or a parameter that addresses sediment (such as total suspended solids, turbidity or siltation) and any other pollutant that has been identified as a cause of impairment of any water body that will receive a discharge from the construction activity. The operator must certify to the Director that the construction activity will take place, and storm water discharges will occur, within the drainage area addressed by the TMDL or equivalent analysis.

(ii) Any other construction activity designated by the Director, or in States with approved NPDES programs either the Director or the EPA Regional Administrator, based on the potential for contribution to a violation of a water quality standard or for significant contribution of pollutants to waters of the United States.

EXHIBIT 1 TO § 122.26(b)(15).--SUMMARY OF COVERAGE OF "STORM WATER DISCHARGES ASSOCIATED WITH SMALL CONSTRUCTION ACTIVITY" UNDER THE NPDES STORM WATER PROGRAM

Automatic Designation: Required Nationwide Coverage	• Construction activities that result in a land disturbance of equal to or greater than one acre and less than five acres. • Construction activities disturbing less than one acre if part of a larger common plan of development or sale with a planned disturbance of equal to or greater than one acre and less than five acres. (see § 122.26(b)(15)(i).)
Potential Designation: Optional Evaluation and Designation by the NPDES Permitting Authority or EPA Regional Administrator.	Construction activities that result in a land disturbance of less than one acre based on the potential for contribution to a violation of a water quality standard or for significant contribution of pollutants. (see § 122.26(b)(15)(ii).)
Potential Waiver: Waiver from Requirements as Determined by the NPDES Permitting Authority.	Any automatically designated construction activity where the operator certifies: (1) A rainfall erosivity factor of less than five, or (2) That the activity will occur within an area where controls are not needed based on a TMDL or, for non-impaired waters that do not require a TMDL, an equivalent analysis for the pollutant(s) of concern. (see § 122.26(b)(15)(i).)

(16) Small municipal separate storm sewer system means all separate storm sewers that are:

(i) Owned or operated by the United States, a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage

district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the United States; and

(ii) Not defined as "large" or "medium" municipal separate storm sewer systems pursuant to paragraphs (b)(4) and (b)(7) of this section, or designated under paragraph (a)(1)(v) of this section.

(iii) This term includes systems similar to separate storm sewer systems in municipalities, such as systems at military bases, large hospital or prison complexes, and highways and other thoroughfares. The term does not include separate storm sewers in very discrete areas, such as individual buildings.

(17) Small MS4 means a small municipal separate storm sewer system.

(18) Municipal separate storm sewer system means all separate storm sewers that are defined as "large" or "medium" or "small" municipal separate storm sewer systems pursuant to paragraphs (b)(4), (b)(7), and (b)(16) of this section, or designated under paragraph (a)(1)(v) of this section.

(19) MS4 means a municipal separate storm sewer system.

* * * * *

(c) Application requirements for storm water discharges associated with industrial activity and storm water discharges associated with small construction activity.

(1) Individual application. Dischargers of storm water associated with industrial activity and with small construction activity are required to apply for an individual permit or seek coverage under a promulgated storm water general permit. * * * * * * * * *

(ii) An operator of an existing or new storm water discharge that is associated with industrial activity solely under paragraph (b)(14)(x) of this section or is associated with small construction activity solely under paragraph (b)(15) of this section, is exempt from the requirements of § 122.21(g) and paragraph (c)(1)(i) of this section. * * * * * * * * *

(e) Application deadlines. Any operator of a point source required to obtain a permit under this section that does not have an effective NPDES permit authorizing discharges from its storm water outfalls shall submit an application in accordance with the following deadlines:

(1) Storm water discharges associated with industrial activity.

(i) Except as provided in paragraph (e)(1)(ii) of this section, for any storm water discharge associated with industrial activity identified in paragraphs (b)(14)(i) through (xi) of this

section, that is not part of a group application as described in paragraph (c)(2) of this section or that is not authorized by a storm water general permit, a permit application made pursuant to paragraph (c) of this section must be submitted to the Director by October 1, 1992;

(ii) For any storm water discharge associated with industrial activity from a facility that is owned or operated by a municipality with a population of less than 100,000 that is not authorized by a general or individual permit, other than an airport, powerplant, or uncontrolled sanitary landfill, the permit application must be submitted to the Director by **[insert date 3 years and 90 days after date of publication in the FEDERAL REGISTER]**.

* * * * *

(5) A permit application shall be submitted to the Director within 180 days of notice, unless permission for a later date is granted by the Director (see 40 CFR 124.52(c)), for:

(i) A storm water discharge that the Director, or in States with approved NPDES programs, either the Director or the EPA Regional Administrator, determines that the discharge contributes to a violation of a water quality standard or is a significant contributor of pollutants to waters of the United States (see paragraphs (a)(1)(v) and (b)(15)(ii) of this section);

* * * * *

(8) For any storm water discharge associated with small construction activity identified in paragraph (b)(15)(i) of this section, see § 122.21(c)(1). Discharges from these sources require permit authorization by **[insert date 3 years and 90 days after date of publication in the FEDERAL REGISTER]**, unless designated for coverage before then.

(9) For any discharge from a regulated small MS4, the permit application made under § 122.33 must be submitted to the Director by:

(i) **[insert date 3 years and 90 days after date of publication in the FEDERAL REGISTER]** if designated under § 122.32(a)(1) unless your MS4 serves a jurisdiction with a population under 10,000 and the NPDES permitting authority has established a phasing schedule under § 123.35(d)(3) (see § 122.33(c)(1)); or

(ii) Within 180 days of notice, unless the NPDES permitting authority grants a later date, if designated under § 122.32(a)(2) (see § 122.33(c)(2)).

(f) * * *

(4) Any person may petition the Director for the designation of a large, medium, or small municipal separate storm sewer system as defined by paragraphs (b)(4)(iv), (b)(7)(iv), or (b)(16) of this section.

(5) The Director shall make a final determination on any petition received under this section within 90 days after receiving the petition with the exception of petitions to designate a small MS4 in which case the Director shall make a final determination on the petition within 180 days after its receipt.

(g) Conditional exclusion for "no exposure" of industrial activities and materials to storm water. Discharges composed entirely of storm water are not storm water discharges associated with industrial activity if there is "no exposure" of industrial materials and activities to rain, snow, snowmelt and/or runoff, and the discharger satisfies the conditions in paragraphs (g)(1) through (g)(4) of this section. "No exposure" means that all industrial materials and activities are protected by a storm resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff. Industrial materials or activities include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products. Material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product or waste product.

(1) Qualification. To qualify for this exclusion, the operator of the discharge must:

(i) Provide a storm resistant shelter to protect industrial materials and activities from exposure to rain, snow, snow melt, and runoff;

(ii) Complete and sign (according to § 122.22) a certification that there are no discharges of storm water contaminated by exposure to industrial materials and activities from the entire facility, except as provided in paragraph (g)(2) of this section;

(iii) Submit the signed certification to the NPDES permitting authority once every five years;

(iv) Allow the Director to inspect the facility to determine compliance with the "no exposure" conditions;

(v) Allow the Director to make any "no exposure" inspection reports available to the public upon request; and

(vi) For facilities that discharge through an MS4, upon request, submit a copy of the certification of "no exposure" to the MS4 operator, as well as allow inspection and public reporting by the MS4 operator.

(2) Industrial materials and activities not requiring storm resistant shelter. To qualify for this exclusion, storm resistant shelter is not required for:

(i) Drums, barrels, tanks, and similar containers that are tightly sealed, provided those containers are not deteriorated and do not leak ("Sealed" means banded or otherwise secured and

without operational taps or valves);

(ii) Adequately maintained vehicles used in material handling; and

(iii) Final products, other than products that would be mobilized in storm water discharge (e.g., rock salt).

(3) Limitations. (i) Storm water discharges from construction activities identified in paragraphs (b)(14)(x) and (b)(15) are not eligible for this conditional exclusion.

(ii) This conditional exclusion from the requirement for an NPDES permit is available on a facility-wide basis only, not for individual outfalls. If a facility has some discharges of storm water that would otherwise be "no exposure" discharges, individual permit requirements should be adjusted accordingly.

(iii) If circumstances change and industrial materials or activities become exposed to rain, snow, snow melt, and/or runoff, the conditions for this exclusion no longer apply. In such cases, the discharge becomes subject to enforcement for un-permitted discharge. Any conditionally exempt discharger who anticipates changes in circumstances should apply for and obtain permit authorization prior to the change of circumstances.

(iv) Notwithstanding the provisions of this paragraph, the NPDES permitting authority retains the authority to require permit authorization (and deny this exclusion) upon making a determination that the discharge causes, has a reasonable potential to cause, or contributes to an instream excursion above an applicable water quality standard, including designated uses.

(4) Certification. The no exposure certification must require the submission of the following information, at a minimum, to aid the NPDES permitting authority in determining if the facility qualifies for the no exposure exclusion:

(i) The legal name, address and phone number of the discharger (see § 122.21(b));

(ii) The facility name and address, the county name and the latitude and longitude where the facility is located;

(iii) The certification must indicate that none of the following materials or activities are, or will be in the foreseeable future, exposed to precipitation.

(A) Using, storing or cleaning industrial machinery or equipment, and areas where residuals from using, storing or cleaning industrial machinery or equipment remain and are exposed to storm water;

(B) Materials or residuals on the ground or in storm water inlets from spills/leaks;

(C) Materials or products from past industrial activity;

(D) Material handling equipment (except adequately maintained vehicles);

(E) Materials or products during loading/unloading or

transporting activities;

(F) Materials or products stored outdoors (except final products intended for outside use, e.g., new cars, where exposure to storm water does not result in the discharge of pollutants);

(G) Materials contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers;

(H) Materials or products handled/stored on roads or railways owned or maintained by the discharger;

(I) Waste material (except waste in covered, non-leaking containers, e.g., dumpsters);

(J) Application or disposal of process wastewater (unless otherwise permitted); and

(K) Particulate matter or visible deposits of residuals from roof stacks/vents not otherwise regulated, i.e., under an air quality control permit, and evident in the storm water outflow.

(iv) All "no exposure" certifications must include the following certification statement, and be signed in accordance with the signatory requirements of § 122.22: "I certify under penalty of law that I have read and understand the eligibility requirements for claiming a condition of "no exposure" and obtaining an exclusion from NPDES storm water permitting; and that there are no discharges of storm water contaminated by exposure to industrial activities or materials from the industrial facility identified in this document (except as allowed under paragraph(g)(2) of this section. I understand that I am obligated to submit a no exposure certification form once every five years to the NPDES permitting authority and, if requested, to the operator of the local MS4 into which this facility discharges (where applicable). I understand that I must allow the NPDES permitting authority, or MS4 operator where the discharge is into the local MS4, to perform inspections to confirm the condition of no exposure and to make such inspection reports publicly available upon request. I understand that I must obtain coverage under an NPDES permit prior to any point source discharge of storm water from the facility. 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 assure that qualified personnel properly gathered and evaluated the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly involved in gathering the information, the information submitted is to the best of my knowledge and belief true, accurate and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

4. Revise § 122.28(b)(2)(v) to read as follows:

§ 122.28 General permits (applicable to State NPDES programs, see § 123.25).

* * * * *

(b) * * *

(2) * * *

(v) Discharges other than discharges from publicly owned treatment works, combined sewer overflows, municipal separate storm sewer systems, primary industrial facilities, and storm water discharges associated with industrial activity, may, at the discretion of the Director, be authorized to discharge under a general permit without submitting a notice of intent where the Director finds that a notice of intent requirement would be inappropriate. In making such a finding, the Director shall consider: the type of discharge; the expected nature of the discharge; the potential for toxic and conventional pollutants in the discharges; the expected volume of the discharges; other means of identifying discharges covered by the permit; and the estimated number of discharges to be covered by the permit. The Director shall provide in the public notice of the general permit the reasons for not requiring a notice of intent.

* * * * *

5. Add §§ 122.30 through 122.37 to subpart B to read as follows:

§ 122.30 What are the objectives of the storm water regulations for small MS4s?

(a) Sections 122.30 through 122.37 are written in a "readable regulation" format that includes both rule requirements and EPA guidance that is not legally binding. EPA has clearly distinguished its recommended guidance from the rule requirements by putting the guidance in a separate paragraph headed by the word "guidance".

(b) Under the statutory mandate in section 402(p)(6) of the Clean Water Act, the purpose of this portion of the storm water program is to designate additional sources that need to be regulated to protect water quality and to establish a comprehensive storm water program to regulate these sources. (Because the storm water program is part of the National Pollutant Discharge Elimination System (NPDES) Program, you should also refer to § 122.1 which addresses the broader purpose of the NPDES program.)

(c) Storm water runoff continues to harm the nation's waters. Runoff from lands modified by human activities can harm surface water resources in several ways including by changing natural hydrologic patterns and by elevating pollutant concentrations and loadings. Storm water runoff may contain or mobilize high levels

of contaminants, such as sediment, suspended solids, nutrients, heavy metals, pathogens, toxins, oxygen-demanding substances, and floatables.

(d) EPA strongly encourages partnerships and the watershed approach as the management framework for efficiently, effectively, and consistently protecting and restoring aquatic ecosystems and protecting public health.

§ 122.31 As a Tribe, what is my role under the NPDES storm water program?

As a Tribe you may:

(a) Be authorized to operate the NPDES program including the storm water program, after EPA determines that you are eligible for treatment in the same manner as a State under §§ 123.31 through 123.34 of this chapter. (If you do not have an authorized NPDES program, EPA implements the program for discharges on your reservation as well as other Indian country, generally.);

(b) Be classified as an owner of a regulated small MS4, as defined in § 122.32. (Designation of your Tribe as an owner of a small MS4 for purposes of this part is an approach that is consistent with EPA's 1984 Indian Policy of operating on a government- to-government basis with EPA looking to Tribes as the lead governmental authorities to address environmental issues on their reservations as appropriate. If you operate a separate storm sewer system that meets the definition of a regulated small MS4, you are subject to the requirements under §§ 122.33 through 122.35. If you are not designated as a regulated small MS4, you may ask EPA to designate you as such for the purposes of this part.); or

(c) Be a discharger of storm water associated with industrial activity or small construction activity under §§ 122.26(b)(14) or (b)(15), in which case you must meet the applicable requirements. Within Indian country, the NPDES permitting authority is generally EPA, unless you are authorized to administer the NPDES program.

§ 122.32 As an operator of a small MS4, am I regulated under the NPDES storm water program?

(a) Unless you qualify for a waiver under paragraph (c) of this section, you are regulated if you operate a small MS4, including but not limited to systems operated by federal, State, Tribal, and local governments, including State departments of transportation; and

(1) Your small MS4 is located in an urbanized area as determined by the latest Decennial Census by the Bureau of the

Census. (If your small MS4 is not located entirely within an urbanized area, only the portion that is within the urbanized area is regulated); or

(2) You are designated by the NPDES permitting authority, including where the designation is pursuant to §§ 123.35(b)(3) and (b)(4) of this chapter, or is based upon a petition under § 122.26(f).

(b) You may be the subject of a petition to the NPDES permitting authority to require an NPDES permit for your discharge of storm water. If the NPDES permitting authority determines that you need a permit, you are required to comply with §§ 122.33 through 122.35.

(c) The NPDES permitting authority may waive the requirements otherwise applicable to you if you meet the criteria of paragraph (d) or (e) of this section. If you receive a waiver under this section, you may subsequently be required to seek coverage under an NPDES permit in accordance with § 122.33(a) if circumstances change. (See also § 123.35(b) of this chapter.)

(d) The NPDES permitting authority may waive permit coverage if your MS4 serves a population of less than 1,000 within the urbanized area and you meet the following criteria:

(1) Your system is not contributing substantially to the pollutant loadings of a physically interconnected MS4 that is regulated by the NPDES storm water program (see § 123.35(b)(4) of this chapter); and

(2) If you discharge any pollutant(s) that have been identified as a cause of impairment of any water body to which you discharge, storm water controls are not needed based on wasteload allocations that are part of an EPA approved or established "total maximum daily load" (TMDL) that addresses the pollutant(s) of concern.

(e) The NPDES permitting authority may waive permit coverage if your MS4 serves a population under 10,000 and you meet the following criteria:

(1) The permitting authority has evaluated all waters of the U. S., including small streams, tributaries, lakes, and ponds, that receive a discharge from your MS4;

(2) For all such waters, the permitting authority has determined that storm water controls are not needed based on wasteload allocations that are part of an EPA approved or established TMDL that addresses the pollutant(s) of concern or, if a TMDL has not been developed or approved, an equivalent analysis that determines sources and allocations for the pollutant(s) of concern;

(3) For the purpose of this paragraph, the pollutant(s) of concern include biochemical oxygen demand (BOD), sediment or a parameter that addresses sediment (such as total suspended

solids, turbidity or siltation), pathogens, oil and grease, and any pollutant that has been identified as a cause of impairment of any water body that will receive a discharge from your MS4; and

(4) The permitting authority has determined that future discharges from your MS4 do not have the potential to result in exceedances of water quality standards, including impairment of designated uses, or other significant water quality impacts, including habitat and biological impacts.

§ 122.33 If I am an operator of a regulated small MS4, how do I apply for an NPDES permit? When do I have to apply?

(a) If you operate a regulated small MS4 under § 122.32, you must seek coverage under a NPDES permit issued by your NPDES permitting authority. If you are located in an NPDES authorized State, Tribe, or Territory, then that State, Tribe, or Territory is your NPDES permitting authority. Otherwise, your NPDES permitting authority is the EPA Regional Office.

(b) You must seek authorization to discharge under a general or individual NPDES permit, as follows:

(1) If your NPDES permitting authority has issued a general permit applicable to your discharge and you are seeking coverage under the general permit, you must submit a Notice of Intent (NOI) that includes the information on your best management practices and measurable goals required by § 122.34(d). You may file your own NOI, or you and other municipalities or governmental entities may jointly submit an NOI. If you want to share responsibilities for meeting the minimum measures with other municipalities or governmental entities, you must submit an NOI that describes which minimum measures you will implement and identify the entities that will implement the other minimum measures within the area served by your MS4. The general permit will explain any other steps necessary to obtain permit authorization.

(2)(i) If you are seeking authorization to discharge under an individual permit and wish to implement a program under § 122.34, you must submit an application to your NPDES permitting authority that includes the information required under §§ 122.21(f) and 122.34(d), an estimate of square mileage served by your small MS4, and any additional information that your NPDES permitting authority requests. A storm sewer map that satisfies the requirement of § 122.34(b)(3)(i) will satisfy the map requirement in § 122.21(f)(7).

(ii) If you are seeking authorization to discharge under an individual permit and wish to implement a program that is different from the program under § 122.34, you will need to comply with the permit application requirements of § 122.26(d).

You must submit both Parts of the application requirements in §§ 122.26(d)(1) and (2) by **[insert date 3 years and 90 days after date of publication in the FEDERAL REGISTER]**. You do not need to submit the information required by §§ 122.26(d)(1)(ii) and (d)(2) regarding your legal authority, unless you intend for the permit writer to take such information into account when developing your other permit conditions.

(iii) If allowed by your NPDES permitting authority, you and another regulated entity may jointly apply under either (b)(2)(i) or (b)(2)(ii) of this section to be co-permittees under an individual permit.

(3) If your small MS4 is in the same urbanized area as a medium or large MS4 with an NPDES storm water permit and that other MS4 is willing to have you participate in its storm water program, you and the other MS4 may jointly seek a modification of the other MS4 permit to include you as a limited co-permittee. As a limited co-permittee, you will be responsible for compliance with the permit's conditions applicable to your jurisdiction. If you choose this option you will need to comply with the permit application requirements of § 122.26, rather than the requirements of § 122.34. You do not need to comply with the specific application requirements of § 122.26(d)(1)(iii) and (iv) and (d)(2)(iii) (discharge characterization). You may satisfy the requirements in § 122.26 (d)(1)(v) and (d)(2)(iv) (identification of a management program) by referring to the other MS4's storm water management program.

(4) Guidance: In referencing an MS4's storm water management program, you should briefly describe how the existing plan will address discharges from your small MS4 or would need to be supplemented in order to adequately address your discharges. You should also explain your role in coordinating storm water pollutant control activities in your MS4, and detail the resources available to you to accomplish the plan.

(c) If you operate a regulated small MS4:

(1) Designated under § 122.32(a)(1), you must apply for coverage under an NPDES permit, or apply for a modification of an existing NPDES permit under paragraph (b)(3) of this section by **[insert date 3 years and 90 days after date of publication in the FEDERAL REGISTER]**, unless your MS4 serves a jurisdiction with a population under 10,000 and the NPDES permitting authority has established a phasing schedule under § 123.35(d)(3).

(2) Designated under § 122.32(a)(2), you must apply for coverage under an NPDES permit, or apply for a modification of an existing NPDES permit under paragraph (b)(3) of this section, within 180 days of notice, unless the NPDES permitting authority grants a later date.

§ 122.34 As an operator of a regulated small MS4, what will my NPDES MS4 storm water permit require?

(a) Your NPDES MS4 permit will require at a minimum that you develop, implement, and enforce a storm water management program designed to reduce the discharge of pollutants from your MS4 to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act. Your storm water management program must include the minimum control measures described in paragraph (b) of this section unless you apply for a permit under § 122.26(d). For purposes of this section, narrative effluent limitations requiring implementation of best management practices (BMPs) are generally the most appropriate form of effluent limitations when designed to satisfy technology requirements (including reductions of pollutants to the maximum extent practicable) and to protect water quality. Implementation of best management practices consistent with the provisions of the storm water management program required pursuant to this section and the provisions of the permit required pursuant to § 122.33 constitutes compliance with the standard of reducing pollutants to the "maximum extent practicable." Your NPDES permitting authority will specify a time period of up to 5 years from the date of permit issuance for you to develop and implement your program.

(b) Minimum control measures.

(1) Public education and outreach on storm water impacts.

(i) You must implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.

(ii) Guidance: You may use storm water educational materials provided by your State, Tribe, EPA, environmental, public interest or trade organizations, or other MS4s. The public education program should inform individuals and households about the steps they can take to reduce storm water pollution, such as ensuring proper septic system maintenance, ensuring the proper use and disposal of landscape and garden chemicals including fertilizers and pesticides, protecting and restoring riparian vegetation, and properly disposing of used motor oil or household hazardous wastes. EPA recommends that the program inform individuals and groups how to become involved in local stream and beach restoration activities as well as activities that are coordinated by youth service and conservation corps or other citizen groups. EPA recommends that the public education program be tailored, using a mix of locally appropriate strategies, to target specific audiences and communities. Examples of strategies include distributing brochures or fact sheets,

sponsoring speaking engagements before community groups, providing public service announcements, implementing educational programs targeted at school age children, and conducting community-based projects such as storm drain stenciling, and watershed and beach cleanups. In addition, EPA recommends that some of the materials or outreach programs be directed toward targeted groups of commercial, industrial, and institutional entities likely to have significant storm water impacts. For example, providing information to restaurants on the impact of grease clogging storm drains and to garages on the impact of oil discharges. You are encouraged to tailor your outreach program to address the viewpoints and concerns of all communities, particularly minority and disadvantaged communities, as well as any special concerns relating to children.

(2) Public involvement/Participation.

(i) You must, at a minimum, comply with State, Tribal and local public notice requirements when implementing a public involvement/ participation program.

(ii) Guidance: EPA recommends that the public be included in developing, implementing, and reviewing your storm water management program and that the public participation process should make efforts to reach out and engage all economic and ethnic groups. Opportunities for members of the public to participate in program development and implementation include serving as citizen representatives on a local storm water management panel, attending public hearings, working as citizen volunteers to educate other individuals about the program, assisting in program coordination with other pre-existing programs, or participating in volunteer monitoring efforts. (Citizens should obtain approval where necessary for lawful access to monitoring sites.)

(3) Illicit discharge detection and elimination.

(i) You must develop, implement and enforce a program to detect and eliminate illicit discharges (as defined at § 122.26(b)(2)) into your small MS4.

(ii) You must:

(A) Develop, if not already completed, a storm sewer system map, showing the location of all outfalls and the names and location of all waters of the United States that receive discharges from those outfalls;

(B) To the extent allowable under State, Tribal or local law, effectively prohibit, through ordinance, or other regulatory mechanism, non-storm water discharges into your storm sewer system and implement appropriate enforcement procedures and actions;

(C) Develop and implement a plan to detect and address non-storm water discharges, including illegal dumping, to your

system; and

(D) Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.

(iii) You need address the following categories of non-storm water discharges or flows (i.e., illicit discharges) only if you identify them as significant contributors of pollutants to your small MS4: water line flushing, landscape irrigation, diverted stream flows, rising ground waters, uncontaminated ground water infiltration (as defined at 40 CFR 35.2005(20)), uncontaminated pumped ground water, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool discharges, and street wash water (discharges or flows from fire fighting activities are excluded from the effective prohibition against non-storm water and need only be addressed where they are identified as significant sources of pollutants to waters of the United States).

(iv) Guidance: EPA recommends that the plan to detect and address illicit discharges include the following four components: procedures for locating priority areas likely to have illicit discharges; procedures for tracing the source of an illicit discharge; procedures for removing the source of the discharge; and procedures for program evaluation and assessment. EPA recommends visually screening outfalls during dry weather and conducting field tests of selected pollutants as part of the procedures for locating priority areas. Illicit discharge education actions may include storm drain stenciling, a program to promote, publicize, and facilitate public reporting of illicit connections or discharges, and distribution of outreach materials.

(4) Construction site storm water runoff control.

(i) You must develop, implement, and enforce a program to reduce pollutants in any storm water runoff to your small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of storm water discharges from construction activity disturbing less than one acre must be included in your program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. If the NPDES permitting authority waives requirements for storm water discharges associated with small construction activity in accordance with § 122.26(b)(15)(i), you are not required to develop, implement, and/or enforce a program to reduce pollutant discharges from such sites.

(ii) Your program must include the development and implementation of, at a minimum:

(A) An ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under State, Tribal, or local law;

(B) Requirements for construction site operators to implement appropriate erosion and sediment control best management practices;

(C) Requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality;

(D) Procedures for site plan review which incorporate consideration of potential water quality impacts;

(E) Procedures for receipt and consideration of information submitted by the public, and

(F) Procedures for site inspection and enforcement of control measures.

(iii) Guidance: Examples of sanctions to ensure compliance include non-monetary penalties, fines, bonding requirements and/or permit denials for non-compliance. EPA recommends that procedures for site plan review include the review of individual pre-construction site plans to ensure consistency with local sediment and erosion control requirements. Procedures for site inspections and enforcement of control measures could include steps to identify priority sites for inspection and enforcement based on the nature of the construction activity, topography, and the characteristics of soils and receiving water quality. You are encouraged to provide appropriate educational and training measures for construction site operators. You may wish to require a storm water pollution prevention plan for construction sites within your jurisdiction that discharge into your system. See § 122.44(s) (NPDES permitting authorities' option to incorporate qualifying State, Tribal and local erosion and sediment control programs into NPDES permits for storm water discharges from construction sites). Also see § 122.35(b) (The NPDES permitting authority may recognize that another government entity, including the permitting authority, may be responsible for implementing one or more of the minimum measures on your behalf.)

(5) Post-construction storm water management in new development and redevelopment.

(i) You must develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre,

including projects less than one acre that are part of a larger common plan of development or sale, that discharge into your small MS4. Your program must ensure that controls are in place that would prevent or minimize water quality impacts.

(ii) You must:

(A) Develop and implement strategies which include a combination of structural and/or non-structural best management practices (BMPs) appropriate for your community;

(B) Use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under State, Tribal or local law; and

(C) Ensure adequate long-term operation and maintenance of BMPs.

(iii) Guidance: If water quality impacts are considered from the beginning stages of a project, new development and potentially redevelopment provide more opportunities for water quality protection. EPA recommends that the BMPs chosen: be appropriate for the local community; minimize water quality impacts; and attempt to maintain pre-development runoff conditions. In choosing appropriate BMPs, EPA encourages you to participate in locally-based watershed planning efforts which attempt to involve a diverse group of stakeholders including interested citizens. When developing a program that is consistent with this measure's intent, EPA recommends that you adopt a planning process that identifies the municipality's program goals (e.g., minimize water quality impacts resulting from post-construction runoff from new development and redevelopment), implementation strategies (e.g., adopt a combination of structural and/or non-structural BMPs), operation and maintenance policies and procedures, and enforcement procedures. In developing your program, you should consider assessing existing ordinances, policies, programs and studies that address storm water runoff quality. In addition to assessing these existing documents and programs, you should provide opportunities to the public to participate in the development of the program. Non-structural BMPs are preventative actions that involve management and source controls such as: policies and ordinances that provide requirements and standards to direct growth to identified areas, protect sensitive areas such as wetlands and riparian areas, maintain and/or increase open space (including a dedicated funding source for open space acquisition), provide buffers along sensitive water bodies, minimize impervious surfaces, and minimize disturbance of soils and vegetation; policies or ordinances that encourage infill development in higher density urban areas, and areas with existing infrastructure; education programs for developers and

the public about project designs that minimize water quality impacts; and measures such as minimization of percent impervious area after development and minimization of directly connected impervious areas. Structural BMPs include: storage practices such as wet ponds and extended-detention outlet structures; filtration practices such as grassed swales, sand filters and filter strips; and infiltration practices such as infiltration basins and infiltration trenches. EPA recommends that you ensure the appropriate implementation of the structural BMPs by considering some or all of the following: pre-construction review of BMP designs; inspections during construction to verify BMPs are built as designed; post-construction inspection and maintenance of BMPs; and penalty provisions for the noncompliance with design, construction or operation and maintenance. Storm water technologies are constantly being improved, and EPA recommends that your requirements be responsive to these changes, developments or improvements in control technologies.

(6) Pollution prevention/good housekeeping for municipal operations.

(i) You must develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. Using training materials that are available from EPA, your State, Tribe, or other organizations, your program must include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance.

(ii) Guidance: EPA recommends that, at a minimum, you consider the following in developing your program: maintenance activities, maintenance schedules, and long-term inspection procedures for structural and non-structural storm water controls to reduce floatables and other pollutants discharged from your separate storm sewers; controls for reducing or eliminating the discharge of pollutants from streets, roads, highways, municipal parking lots, maintenance and storage yards, fleet or maintenance shops with outdoor storage areas, salt/sand storage locations and snow disposal areas operated by you, and waste transfer stations; procedures for properly disposing of waste removed from the separate storm sewers and areas listed above (such as dredge spoil, accumulated sediments, floatables, and other debris); and ways to ensure that new flood management projects assess the impacts on water quality and examine existing projects for incorporating additional water quality protection devices or practices. Operation and maintenance should be an integral component of all storm water management programs. This measure is intended to improve the efficiency of these programs and

require new programs where necessary. Properly developed and implemented operation and maintenance programs reduce the risk of water quality problems.

(c) If an existing qualifying local program requires you to implement one or more of the minimum control measures of paragraph (b) of this section, the NPDES permitting authority may include conditions in your NPDES permit that direct you to follow that qualifying program's requirements rather than the requirements of paragraph (b) of this section. A qualifying local program is a local, State or Tribal municipal storm water management program that imposes, at a minimum, the relevant requirements of paragraph (b) of this section.

(d)(1) In your permit application (either a notice of intent for coverage under a general permit or an individual permit application), you must identify and submit to your NPDES permitting authority the following information:

(i) The best management practices (BMPs) that you or another entity will implement for each of the storm water minimum control measures at paragraphs (b)(1) through (b)(6) of this section;

(ii) The measurable goals for each of the BMPs including, as appropriate, the months and years in which you will undertake required actions, including interim milestones and the frequency of the action; and

(iii) The person or persons responsible for implementing or coordinating your storm water management program.

(2) If you obtain coverage under a general permit, you are not required to meet any measurable goal(s) identified in your notice of intent in order to demonstrate compliance with the minimum control measures in paragraphs (b)(3) through (b)(6) of this section unless, prior to submitting your NOI, EPA or your State or Tribe has provided or issued a menu of BMPs that addresses each such minimum measure. Even if no regulatory authority issues the menu of BMPs, however, you still must comply with other requirements of the general permit, including good faith implementation of BMPs designed to comply with the minimum measures.

(3) Guidance: Either EPA or your State or Tribal permitting authority will provide a menu of BMPs. You may choose BMPs from the menu or select others that satisfy the minimum control measures.

(e)(1) You must comply with any more stringent effluent limitations in your permit, including permit requirements that modify, or are in addition to, the minimum control measures based on an approved total maximum daily load (TMDL) or equivalent analysis. The permitting authority may include such more stringent limitations based on a TMDL or equivalent analysis that determines such limitations are needed to protect water quality.

(2) Guidance: EPA strongly recommends that until the evaluation of the storm water program in § 122.37, no additional requirements beyond the minimum control measures be imposed on regulated small MS4s without the agreement of the operator of the affected small MS4, except where an approved TMDL or equivalent analysis provides adequate information to develop more specific measures to protect water quality.

(f) You must comply with other applicable NPDES permit requirements, standards and conditions established in the individual or general permit, developed consistent with the provisions of §§ 122.41 through 122.49, as appropriate.

(g) Evaluation and assessment.

(1) Evaluation. You must evaluate program compliance, the appropriateness of your identified best management practices, and progress towards achieving your identified measurable goals.

EXPLANATORY NOTE:

The NPDES permitting authority may determine monitoring requirements for you in accordance with State/Tribal monitoring plans appropriate to your watershed. Participation in a group monitoring program is encouraged.

(2) Record keeping. You must keep records required by the NPDES permit for at least 3 years. You must submit your records to the NPDES permitting authority only when specifically asked to do so. You must make your records, including a description of your storm water management program, available to the public at reasonable times during regular business hours (see § 122.7 for confidentiality provision). (You may assess a reasonable charge for copying. You may require a member of the public to provide advance notice.)

(3) Reporting. Unless you are relying on another entity to satisfy your NPDES permit obligations under § 122.35(a), you must submit annual reports to the NPDES permitting authority for your first permit term. For subsequent permit terms, you must submit reports in year two and four unless the NPDES permitting authority requires more frequent reports. Your report must include:

(i) The status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving your identified measurable goals for each of the minimum control measures;

(ii) Results of information collected and analyzed, including monitoring data, if any, during the reporting period;

(iii) A summary of the storm water activities you plan to undertake during the next reporting cycle;

(iv) A change in any identified best management practices or measurable goals for any of the minimum control measures; and

(v) Notice that you are relying on another governmental entity to satisfy some of your permit obligations (if applicable).

§ 122.35 As an operator of a regulated small MS4, may I share the responsibility to implement the minimum control measures with other entities?

(a) You may rely on another entity to satisfy your NPDES permit obligations to implement a minimum control measure if:

(1) The other entity, in fact, implements the control measure;

(2) The particular control measure, or component thereof, is at least as stringent as the corresponding NPDES permit requirement; and

(3) The other entity agrees to implement the control measure on your behalf. In the reports you must submit under § 122.34(g)(3), you must also specify that you rely on another entity to satisfy some of your permit obligations. If you are relying on another governmental entity regulated under section 122 to satisfy all of your permit obligations, including your obligation to file periodic reports required by § 122.34(g)(3), you must note that fact in your NOI, but you are not required to file the periodic reports. You remain responsible for compliance with your permit obligations if the other entity fails to implement the control measure (or component thereof). Therefore, EPA encourages you to enter into a legally binding agreement with that entity if you want to minimize any uncertainty about compliance with your permit.

(b) In some cases, the NPDES permitting authority may recognize, either in your individual NPDES permit or in an NPDES general permit, that another governmental entity is responsible under an NPDES permit for implementing one or more of the minimum control measures for your small MS4 or that the permitting authority itself is responsible. Where the permitting authority does so, you are not required to include such minimum control measure(s) in your storm water management program. (For example, if a State or Tribe is subject to an NPDES permit that requires it to administer a program to control construction site runoff at the State or Tribal level and that program satisfies all of the requirements of § 122.34(b)(4), you could avoid responsibility for the construction measure, but would be responsible for the remaining minimum control measures.) Your permit may be reopened and modified to include the requirement to implement a minimum control measure if the entity fails to implement it.

§ 122.36 As an operator of a regulated small MS4, what happens if I don't comply with the application or permit requirements in §§ 122.33 through 122.35?

NPDES permits are federally enforceable. Violators may be subject to the enforcement actions and penalties described in Clean Water Act sections 309 (b), (c), and (g) and 505, or under applicable State, Tribal, or local law. Compliance with a permit issued pursuant to section 402 of the Clean Water Act is deemed compliance, for purposes of sections 309 and 505, with sections 301, 302, 306, 307, and 403, except any standard imposed under section 307 for toxic pollutants injurious to human health. If you are covered as a co-permittee under an individual permit or under a general permit by means of a joint Notice of Intent you remain subject to the enforcement actions and penalties for the failure to comply with the terms of the permit in your jurisdiction except as set forth in § 122.35(b).

§ 122.37 Will the small MS4 storm water program regulations at §§ 122.32 through 122.36 and § 123.35 of this chapter change in the future?

EPA will evaluate the small MS4 regulations at §§ 122.32 through 122.36 and § 123.35 after **[insert date 13 years after date of publication in the FEDERAL REGISTER]** and make any necessary revisions. (EPA intends to conduct an enhanced research effort and compile a comprehensive evaluation of the NPDES MS4 storm water program. EPA will re-evaluate the regulations based on data from the NPDES MS4 storm water program, from research on receiving water impacts from storm water, and the effectiveness of best management practices (BMPs), as well as other relevant information sources.)

6. In § 122.44, redesignate paragraphs (k)(2) and (k)(3) as paragraphs (k)(3) and (k)(4), and add new paragraphs (k)(2) and(s) to read as follows:

§ 122.44 Establishing limitations, standards, and other permit conditions (applicable to State NPDES programs, see § 123.25).

* * * * *

(k) * * * * *

(2) Authorized under section 402(p) of CWA for the control of storm water discharges;

* * * * *

(s)(1) For storm water discharges associated with small construction activity identified in § 122.26(b)(15), the Director may include permit conditions that incorporate by reference qualifying State, Tribal, or local erosion and sediment control program requirements. Where a qualifying State, Tribal, or local program does not include one or more of the elements below, then the Director must include those elements as conditions in the

permit. A qualifying State, Tribal, or local erosion and sediment control program is one that includes:

(i) Requirements for construction site operators to implement appropriate erosion and sediment control best management practices;

(ii) Requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality;

(iii) Requirements for construction site operators to develop and implement a storm water pollution prevention plan. (A storm water pollution prevention plan includes site descriptions, descriptions of appropriate control measures, copies of approved State, Tribal or local requirements, maintenance procedures, inspection procedures, and identification of non-storm water discharges); and

(iv) Requirements to submit a site plan for review that incorporates consideration of potential water quality impacts.

(2) For storm water discharges from construction activity identified in § 122.26(b)(14)(x), the Director may include permit conditions that incorporate by reference qualifying State, Tribal, or local erosion and sediment control program requirements. A qualifying State, Tribal or local erosion and sediment control program is one that includes the elements listed in paragraph (s)(1) of this section and any additional requirements necessary to achieve the applicable technology-based standards of "best available technology" and "best conventional technology" based on the best professional judgment of the permit writer.

7. Add § 122.62(a)(14) to read as follows:

§ 122.62 Modification or revocation and reissuance of permits (applicable to State programs, see § 123.25).

* * * * *

(a) * * * * *

(14) For a small MS4, to include an effluent limitation requiring implementation of a minimum control measure or measures as specified in § 122.34(b) when:

(i) The permit does not include such measure(s) based upon the determination that another entity was responsible for implementation of the requirement(s), and

(ii) The other entity fails to implement measure(s) that satisfy the requirement(s).

8. Revise Appendices F, G, H, and I to Part 122 to read as

follows:

APPENDIX F TO PART 122 — INCORPORATED PLACES WITH POPULATIONS GREATER THAN 250,000 ACCORDING TO THE 1990 DECENNIAL CENSUS BY THE BUREAU OF THE CENSUS

State	Incorporated Place
Alabama	Birmingham
Arizona	Phoenix Tucson
California	Long Beach Los Angeles Oakland Sacramento San Diego San Francisco San Jose
Colorado	Denver
District of Columbia	
Florida	Jacksonville Miami Tampa
Georgia	Atlanta
Illinois	Chicago
Indiana	Indianapolis
Kansas	Wichita
Kentucky	Louisville
Louisiana	New Orleans
Maryland	Baltimore
Massachusetts	Boston
Michigan	Detroit
Minnesota	Minneapolis St. Paul
Missouri	Kansas City St. Louis

Nebraska	Omaha
New Jersey	Newark
New Mexico	Albuquerque
New York	Buffalo Bronx Borough Brooklyn Borough Manhattan Borough Queens Borough Staten Island Borough
North Carolina	Charlotte
Ohio	Cincinnati Cleveland Columbus Toledo
Oklahoma	Oklahoma City Tulsa
Oregon	Portland
Pennsylvania	Philadelphia Pittsburgh
Tennessee	Memphis Nashville/Davidson
Texas	Austin Dallas El Peso Fort Worth Houston San Antonio
Virginia	Norfolk Virginia Beach
Washington	Seattle
Wisconsin	Milwaukee

APPENDIX G TO PART 122 – INCORPORATED PLACES WITH POPULATIONS GREATER THAN 100,000 BUT LESS THAN 250,000 ACCORDING TO THE 1990 DECENNIAL CENSUS BY THE BUREAU OF THE CENSUS

State	Incorporated Place

Alabama	Huntsville Mobile Montgomery
Alaska	Anchorage
Arizona	Mesa Tempe
Arkansas	Little Rock
California	Anaheim Bakersfield Berkeley Chula Vista Concord El Monte Escondido Fremont Fresno Fullerton Garden Grove Glendale Hayward Huntington Beach Inglewood Irvine Modesto Moreno Valley Oceanside Ontario Orange Oxnard Pasadena Pomona Rancho Cucamonga Riverside Salinas San Bernadino Santa Ana Santa Clarita Simi Valley Stockton Sunnyvale Thousand Oaks Torrance Vallejo

Colorado	Aurora Colorado Springs Lakewood Pueblo
Connecticut	Bridgeport Hartford New Haven Stamford Waterbury
Florida	Fort Lauderdale Hialeah Hollywood Orlando St. Petersburg Tallahassee
Georgia	Columbus Macon Savannah
Idaho	Boise City
Illinois	Peoria Rockford
Indiana	Evansville Fort Wayne Gary South Bend
Iowa	Cedar Rapids Davenport Des Moines
Kansas	Kansas City Topeka
Kentucky	Lexington-Fayette
Louisiana	Baton Rouge Shreveport
Massachusetts	Springfield Worcester

Michigan	Ann Arbor Flint Grand Rapids Lansing Livonia Sterling Heights Warren
Mississippi	Jackson
Missouri	Independence Springfield
Nebraska	Lincoln
Nevada	Las Vegas Reno
New Jersey	Elizabeth Jersey City Paterson
New York	Albany Rochester Syracuse Yonkers
North Carolina	Durham Greensboro Raleigh Winston-Salem
Ohio	Akron Dayton Youngstown
Oregon	Eugene
Pennsylvania	Allentown Erie
Rhode Island	Providence
South Carolina	Columbia
Tennessee	Chattanooga Knoxville

Texas	Abilene Amarillo Arlington Beaumont Corpus Christi Garland Irving Laredo Lubbock Mesquite Pasadena Plano Waco
Utah	Salt Lake City
Virginia	Alexandria Chesapeake Hampton Newport News Portsmouth Richmond Roanoke
Washington	Spokane Tacoma
Wisconsin	Madison

APPENDIX H TO PART 122 — COUNTIES WITH UNINCORPORATED URBANIZED AREAS WITH A POPULATION OF 250,000 OR MORE ACCORDING TO THE 1990 DECENNIAL CENSUS BY THE BUREAU OF THE CENSUS

State	County	Unincorporated urbanized population
California	Los Angeles Sacramento San Diego	886,780 594,889 250,414
Delaware	New Castle	296,996
Florida	Dade	1,014,504
Georgia	DeKalb	448,686
Hawaii	Honolulu[1]	114,506

Maryland	Anne Arundel Baltimore Montgomery Prince George's	344,654 627,593 599,028 494,369
Texas	Harris	729,206
Utah	Salt Lake	270,989
Virginia	Fairfax	760,730
Washington	King	520,468

[1] County was listed in 1990 regulation; however, population dropped to below 250,000 in the 1990 Census.

APPENDIX I TO PART 122 — COUNTIES WITH UNINCORPORATED URBANIZED AREAS GREATER THAN 100,000 BUT LESS THAN 250,000 ACCORDING TO THE 1990 DECENNIAL CENSUS BY THE BUREAU OF THE CENSUS

State	County	Unincorporated urbanized population
Alabama	Jefferson[1]	78,608
Arizona	Pima	162,202
California	Alameda Contra Costa Kern Orange Riverside San Bernardino	115,082 131,815 128,504 223,081 166,509 162,202
Colorado	Arapahoe	103,248

Florida	Broward Escambia Hillsborough Lee Manatee Orange Palm Beach Pasco Pinellas Polk Sarasota Seminole	142,329 167,463 398,593 102,337 123,828 378,611 360,553 148,907 255,772 121,528 172,600 127,873
Georgia	Clayton Cobb Fulton Gwinnett Richmond	133,237 322,595 127,776 237,305 126,476
Kentucky	Jefferson	239,430
Louisiana	East Baton Rouge Parish Jefferson Parish	102,539 331,307
Maryland	Howard	157,972
North Carolina	Cumberland	146,827
Nevada	Clark	327,618
Oregon	Multnomah[1] Washington	52,923 116,687

South Carolina	Greenville Richland	147,464 130,589
Virginia	Arlington Chesterfield Henrico Prince William	170,936 174,488 201,367 157,131
Washington	Pierce Snohomish	258,530 157,218

[1] County was listed in 1990 regulation; however, population dropped to below 100,000 in the 1990 Census.

PART 123--STATE PROGRAM REQUIREMENTS

1. The authority citation for part 123 continues to read as follows:

Authority: The Clean Water Act, 33 U.S.C. 1251 et seq.

2. Amend § 123.25 by removing the word "and" at the end of paragraph (a)(37), by removing the period at the end of paragraph (a)(38), and by adding paragraphs (a)(39) through (a)(45) to read as follows:

§ 123.25 Requirements for permitting.

(a) * * *

(39) § 122.30 (What are the objectives of the storm water regulations for small MS4s?);

(40) § 122.31 (For Indian Tribes only) (As a Tribe, what is my role under the NPDES storm water program?);

(41) § 122.32 (As an operator of a small MS4, am I regulated under the NPDES storm water program?);

(42) § 122.33 (If I am an operator of a regulated small MS4, how do I apply for an NPDES permit? When do I have to apply?);

(43) § 122.34 (As an operator of a regulated small MS4, what will my NPDES MS4 storm water permit require?);

(44) § 122.35 (As an operator of a regulated small MS4, may I share the responsibility to implement the minimum control measures with other entities?); and

(45) § 122.36 (As an operator of a regulated small MS4, what happens if I don't comply with the application or permit requirements in §§ 122.33 through 122.35?).

* * * * *

3. Add § 123.35 to subpart B to read as follows:

§ 123.35 As the NPDES Permitting Authority for regulated small MS4s, what is my role?

(a) You must comply with the requirements for all NPDES permitting authorities under Parts 122, 123, 124, and 125 of this chapter. (This section is meant only to supplement those requirements and discuss specific issues related to the small MS4 storm water program.)

(b) You must develop a process, as well as criteria, to designate small MS4s other than those described in § 122.32(a)(1) of this chapter, as regulated small MS4s to be covered under the NPDES storm water discharge control program. This process must include the authority to designate a small MS4 waived under paragraph (d) of this section if circumstances change. EPA may make designations under this section if a State or Tribe fails to comply with the requirements listed in this paragraph. In making designations of small MS4s, you must:

(1)(i) Develop criteria to evaluate whether a storm water discharge results in or has the potential to result in exceedances of water quality standards, including impairment of designated uses, or other significant water quality impacts, including habitat and biological impacts.

(ii) Guidance: For determining other significant water quality impacts, EPA recommends a balanced consideration of the following designation criteria on a watershed or other local basis: discharge to sensitive waters, high growth or growth potential, high population density, contiguity to an urbanized area, significant contributor of pollutants to waters of the United States, and ineffective protection of water quality by other programs.;

(2) Apply such criteria, at a minimum, to any small MS4 located outside of an urbanized area serving a jurisdiction with a population density of at least 1,000 people per square mile and a population of at least 10,000;

(3) Designate any small MS4 that meets your criteria by **[insert date three years after date of publication in the FEDERAL REGISTER]**. You may wait until **[insert date five years after date of publication in the FEDERAL REGISTER]** to apply the designation criteria on a watershed basis if you have developed a comprehensive watershed plan. You may apply these criteria to make additional designations at any time, as appropriate; and

(4) Designate any small MS4 that contributes substantially to the pollutant loadings of a physically interconnected municipal separate storm sewer that is regulated by the NPDES storm water program.

(c) You must make a final determination within 180 days from receipt of a petition under § 122.26(f) of this chapter (or analogous State or Tribal law). If you do not do so within that time period, EPA may make a determination on the petition.

(d) You must issue permits consistent with §§ 122.32 through 122.35 of this chapter to all regulated small MS4s. You may waive or phase in the requirements otherwise applicable to regulated small MS4s, as defined in § 122.32(a)(1) of this chapter, under the following circumstances:

(1) You may waive permit coverage for each small MS4s in jurisdictions with a population under 1,000 within the urbanized area where all of the following criteria have been met:

(i) Its discharges are not contributing substantially to the pollutant loadings of a physically interconnected regulated MS4 (see paragraph (b)(4) of this section); and

(ii) If the small MS4 discharges any pollutant(s) that have been identified as a cause of impairment of any water body to which it discharges, storm water controls are not needed based on wasteload allocations that are part of an EPA approved or established "total maximum daily load" (TMDL) that address the pollutant(s) of concern.

(2) You may waive permit coverage for each small MS4 in jurisdictions with a population under 10,000 where all of the following criteria have been met:

(i) You have evaluated all waters of the U. S., including small streams, tributaries, lakes, and ponds, that receive a discharge from the MS4 eligible for such a waiver;

(ii) For all such waters, you have determined that storm water controls are not needed based on wasteload allocations that are part of an EPA approved or established TMDL that addresses the pollutant(s) of concern or, if a TMDL has not been developed or approved, an equivalent analysis that determines sources and allocations for the pollutant(s) of concern;

(iii) For the purpose of paragraph (d)(2)(ii), the pollutant(s) of concern include biochemical oxygen demand (BOD), sediment or a parameter that addresses sediment (such as total suspended solids, turbidity or siltation), pathogens, oil and grease, and any pollutant that has been identified as a cause of impairment of any water body that will receive a discharge from the MS4; and

(iv) You have determined that current and future discharges from the MS4 do not have the potential to result in exceedances of water quality standards, including impairment of designated uses, or other significant water quality impacts, including habitat and biological impacts.

(v) Guidance: To help determine other significant water quality impacts, EPA recommends a balanced consideration of the

following criteria on a watershed or other local basis: discharge to sensitive waters, high growth or growth potential, high population or commercial density, significant contributor of pollutants to waters of the United States, and ineffective protection of water quality by other programs.

(3) You may phase in permit coverage for small MS4s serving jurisdictions with a population under 10,000 on a schedule consistent with a State watershed permitting approach. Under this approach, you must develop and implement a schedule to phase in permit coverage for approximately 20 percent annually of all small MS4s that qualify for such phased-in coverage. Under this option, all regulated small MS4s are required to have coverage under an NPDES permit by no later than **[insert date 7 years and 90 days after date of publication in the FEDERAL REGISTER]**. Your schedule for phasing in permit coverage for small MS4s must be approved by the Regional Administrator no later than **[insert date 2 years after date of publication in the FEDERAL REGISTER]**.

(4) If you choose to phase in permit coverage for small MS4s in jurisdictions with a population under 10,000, in accordance with paragraph (d)(3) of this section, you may also provide waivers in accordance with paragraphs (d)(1) and (d)(2) of this section pursuant to your approved schedule.

(5) If you do not have an approved schedule for phasing in permit coverage, you must make a determination whether to issue an NPDES permit or allow a waiver in accordance with paragraph (d)(1) or (d)(2) of this section, for each eligible MS4 by **[insert date 3 years after date of publication in the FEDERAL REGISTER]**.

(6) You must periodically review any waivers granted in accordance with paragraph (d)(2) of this section to determine whether any of the information required for granting the waiver has changed. At a minimum, you must conduct such a review once every five years. In addition, you must consider any petition to review any waiver when the petitioner provides evidence that the information required for granting the waiver has substantially changed.

(e) You must specify a time period of up to 5 years from the date of permit issuance for operators of regulated small MS4s to fully develop and implement their storm water program.

(f) You must include the requirements in §§ 122.33 through 122.35 of this chapter in any permit issued for regulated small MS4s or develop permit limits based on a permit application submitted by a regulated small MS4. (You may include conditions in a regulated small MS4 NPDES permit that direct the MS4 to follow an existing qualifying local program's requirements, as a way of complying with some or all of the requirements in

§ 122.34(b). See § 122.34(c) of this chapter. Qualifying local, State or Tribal program requirements must impose, at a minimum, the relevant requirements of § 122.34(b) of this chapter.)

(g) If you issue a general permit to authorize storm water discharges from small MS4s, you must make available a menu of BMPs to assist regulated small MS4s in the design and implementation of municipal storm water management programs to implement the minimum measures specified in § 122.34(b) of this chapter. EPA plans to develop a menu of BMPs that will apply in each State or Tribe that has not developed its own menu. Regardless of whether a menu of BMPs has been developed by EPA, EPA encourages State and Tribal permitting authorities to develop a menu of BMPs that is appropriate for local conditions. EPA also intends to provide guidance on developing BMPs and measurable goals and modify, update, and supplement such guidance based on the assessments of the NPDES MS4 storm water program and research to be conducted over the next thirteen years.

(h)(1) You must incorporate any additional measures necessary to ensure effective implementation of your State or Tribal storm water program for regulated small MS4s.

(2) Guidance: EPA recommends consideration of the following:

(i) You are encouraged to use a general permit for regulated small MS4s;

(ii) To the extent that your State or Tribe administers a dedicated funding source, you should play an active role in providing financial assistance to operators of regulated small MS4s;

(iii) You should support local programs by providing technical and programmatic assistance, conducting research projects, performing watershed monitoring, and providing adequate legal authority at the local level;

(iv) You are encouraged to coordinate and utilize the data collected under several programs including water quality management programs, TMDL programs, and water quality monitoring programs;

(v) Where appropriate, you may recognize existing responsibilities among governmental entities for the control measures in an NPDES small MS4 permit (see § 122.35(b) of this chapter); and

(vi) You are encouraged to provide a brief (e.g., two page) reporting format to facilitate compiling and analyzing data from submitted reports under § 122.34(g)(3) of this chapter. EPA intends to develop a model form for this purpose.

PART 124-PROCEDURES FOR DECISIONMAKING

1. The authority citation for part 124 continues to read as

follows:

Authority: Resource Conservation and Recovery Act, 42 U.S.C.6901 et seq.; Safe Drinking Water Act, 42 U.S.C. 300(f) et seq.; Clean Water Act, 33 U.S.C. 1251 et seq.; Clean Air Act, 42 U.S.C. 7401 et seq.

2. Revise § 124.52(c) to read as follows:

§ 124.52 Permits Required on a case-by-case basis.

* * * * *

(c) Prior to a case-by-case determination that an individual permit is required for a storm water discharge under this section (see 40 CFR 122.26 (a)(1)(v), (c)(1)(v), and (a)(9)(iii) of this chapter), the Regional Administrator may require the discharger to submit a permit application or other information regarding the discharge under section 308 of the CWA. In requiring such information, the Regional Administrator shall notify the discharger in writing and shall send an application form with the notice. The discharger must apply for a permit within 180 days of notice, unless permission for a later date is granted by the Regional Administrator. The question whether the initial designation was proper will remain open for consideration during the public comment period under § 124.11 or § 124.118 and in any subsequent hearing.

APPENDIX 1 TO PREAMBLE — FEDERALLY-RECOGNIZED AMERICAN INDIAN AREAS LOCATED FULLY OR PARTIALLY IN BUREAU OF THE CENSUS URBANIZED AREAS

[Based on 1990 Census data]

State	American Indian Area	Urbanized Area
AZ	Pascua Yacqui Reservation (pt.): Pascua Yacqui Tribe of Arizona	Tucson, AZ (Phase I)
AZ	Salt River Reservation (pt.): Salt River Pima-Maricopa Indian Community of the Salt River Reservation, California	Phoenix, AZ (Phase I)
AZ	San Xavier Reservation (pt.): Tohono O'odham Nation of Arizona (formerly known as the Papago Tribe of the Sells, Gila Bend & San Xavier Reservation)	Tucson, AZ (Phase I)
CA	Augustine Reservation: Augustine Band of Cahuilla Mission of Indians of the Augustine Reservation, CA	Indio-Coachella, CA (Phase I)
CA	Cabazon Reservation: Cabazon Band of Cahuilla Mission Indians of the Cabazon Reservation, CA	Indio-Coachella, CA (Phase I)
CA	Fort Yuma (Quechan) (pt.): Quechan Tribe of the Fort Yuma Indian Reservation, California & Arizona	Yuma, AZ$CA
CA	Redding Rancheria: Redding Rancheria of California	Redding, CA
FL	Hollywood Reservation: Seminole Tribe	Fort Lauderdale, FL (Phase I)
FL	Seminole Trust Lands: Seminole Tribe of Florida, Dania, Big Cypress & Brighton Reservations	Fort Lauderdale, FL (Phase I)
ID	Fort Hall Reservation and Trust Lands: Shosone-Bannock Tribes of the Fort Hall Reservation of Idaho	Pocatello, ID
ME	Penobscot Reservation and Trust Lands (pt.): Penobscot Tribe of Maine	Bangor, ME
MN	Shakopee Community: Shakopee Mdewakanton Sioux Community of Minnesota (Prior Lake)	Minneapolis-St. Paul, MN (Phase I)
NM	Sandia Pueblo (pt.): Pueblo of Sandia, New Mexico	Albuquerque, NM (Phase I)
NV	Las Vegas Colony: Las Vegas Tribe of Paiute Indians of the Las Vegas Indian Colony, Nevada	Las Vegas, NV (Phase I)
NV	Reno-Sparks Colony: Reno-Sparks Indian Colony, Nevada	Reno, NV (Phase I)
OK	Osage Reservation (pt.): Osage Nation of Oklahoma	Tulsa, OK (Phase I)
OK	Absentee Shawnee-Citizens Band of Potawatomi TJSA (pt.): Absentee-Shawnee Tribe of Indians of Oklahoma; Citizen Potawatomi Nation, Oklahoma	Oklahoma City, OK (Phase I)
OK	Cherokee TJSA 9 (pt.): Cherokee Nation of Oklahoma; United Keetoowah Band of Cherokee Indians of Oklahoma	Ft. Smith, AR$OK; Tulsa, OK (Phase I)
OK	Cheyenne-Arapaho TJSA (pt.): Cheyenne-Arapaho Tribes of Oklahoma	Oklahoma City, OK (Phase I)
OK	Choctaw TJSA (pt.): Choctaw Nation of Oklahoma	Ft. Smith, AR$OK (Phase I)
OK	Creek TJSA (pt.): Alabama-Quassarte Tribal Town of the Creek Nation of Oklahoma; Kialegee Tribal Town of the Creek Indian Nation of Oklahoma; Muscogee (Creek) Nation of Oklahoma; Thlopthlocco Tribal Town of the Creek Nation of Oklahoma	Tulsa, OK (Phase I)
OK	Kiowa-Comanche-Apache-Ft. Sill Apache: Apache Tribe of Oklahoma; Comanche Indian Tribe, Oklahoma; Fort Sill Apache Tribe of Oklahoma; Kiowa Indian Tribe of Oklahoma	Lawton, OK

State	American Indian Area	Urbanized Area
TX	Ysleta del Sur Reservation: Ysleta Del Sur Pueblo of Texas	El Paso, TX&NM (Phase I)
WA	Muckleshoot Reservation and Trust Lands (pt.): Muckleshoot Indian Tribe of the Muckleshoot Reservation	Seattle, WA (Phase I)
WA	Puyallup Reservation and Trust Lands (pt.): Puyallup Tribe of the Puyallup Reservation, WA	Tacoma, WA (Phase I)
WA	Yakima Reservation (pt.): Confederated Tribes and Bands of the Yakama Indian Nation of the Yakama Reservation, WA	Yakima, WA
WI	Oneida (West) (pt.): Oneida Tribe of Wisconsin	Green Bay, WI

Please Note:

"(pt.)" indicates that the American Indian Area (AIA) listed is only partially located within the referenced urbanized area.

The first line under "American Indian Area" is the name of the federally-recognized reservation/colony/rancheria or trust land as it appears in the Bureau of the Census data. After this first line, the names of the tribes included in the AIA are listed as they appear in the Bureau of Indian Affairs' list of Federally Recognized Indian Tribes. [Federal Register: Nov.13, 1996, Vol.66, No.220, pgs. 58211-58216]

"TJSAs" are Tribal Jurisdiction Statistical Areas in Oklahoma that are defined in conjunction with the federally-recognized tribes in Oklahoma who have definite land areas under their jurisdiction, but do not have reservation status.

"(Phase I)" indicates that the referenced urbanized area includes a medium or large MS4 currently regulated under the existing NPDES storm water program (i.e., Phase I). Any Tribally operated MS4 within these such urban areas would not automatically have been covered under Phase I, however.

Sources:

Michael Ratcliffe, Geographic Concepts Division, Bureau of the Census, U.S. Department of Commerce.

1990 Census of Population and Housing, Summary Population and Housing Characteristics, United States. Tables 9 & 10. [1990 CPH-1-1]. Bureau of the Census, U.S. Department of Commerce.

[NOTE TO FR - insert Appendix 2 here]

APPENDIX 3 TO THE PREAMBLE — URBANIZED AREAS OF THE UNITED STATES AND PUERTO RICO
(Source: 1990 Census of Population and Housing, U.S. Bureau of the Census - This list is subject to change with the Decennial Census)

ALABAMA
Anniston
Auburn—Opelika
Birmingham
Columbus, GA—AL
Decatur
Dothan
Florence
Gadsden
Huntsville
Mobile
Montgomery
Tuscaloosa

ALASKA
Anchorage

ARIZONA
Phoenix
Tucson
Yuma, AZ—CA

ARKANSAS
Fayetteville-Springdale
Fort Smith, AR—OK
Little Rock—North Little Rock
Memphis, TN—AR—MS
Pine Bluff
Texarkana, AR—TX

CALIFORNIA
Antioch—Pittsburgh
Bakersfield
Chico
Davis
Fairfield
Fresno
Hemet—San Jacinto

Chattanooga, TN–GA
Clarksville, TN–KY
Jackson
Johnson City
Kingsport, TN–VA
Knoxville
Memphis, TN–AR–MS
Nashville

TEXAS
Abilene
Amarillo
Austin
Beaumont
Brownsville
Bryan–College Station
Corpus Christi
Dallas–Fort Worth
Denton
El Paso, TX–NM
Galveston
Harlingen
Houston
Killeen
Laredo
Lewisville
Longview
Lubbock
McAllen–Edinburg–Mission
Midland
Odessa
Port Arthur
San Angelo
San Antonio
Sherman–Denison
Temple
Texarkana, TX–Texarkana, AR
Texas City
Tyler
Victoria
Waco
Wichita Falls

UTAH
Logan
Ogden
Provo–Orem

Appendix 4

NPDES FORM 3510-11

United States Environmental Protection Agency
Washington, DC 20460

Form Approved
OMB No. 2040-0211

NO EXPOSURE CERTIFICATION for Exclusion from NPDES Storm Water Permitting

Submission of this No Exposure Certification constitutes notice that the entity identified in Section A does not require permit authorization for its storm water discharges associated with industrial activity in the State identified in Section B under EPA's Storm Water Multi-Sector General Permit due to the existence of a condition of no exposure.

A condition of no exposure exists at an industrial facility when all industrial materials and activities are protected by a storm resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff. Industrial materials or activities include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products. Material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product or waste product. A storm resistant shelter is not required for the following industrial materials and activities:

- drums, barrels, tanks, and similar containers that are tightly sealed, provided those containers are not deteriorated and do not leak. "Sealed" means banded or otherwise secured and without operational taps or valves;
- adequately maintained vehicles used in material handling; and
- final products, other than products that would be mobilized in storm water discharges (e.g., rock salt).

A No Exposure Certification must be provided for each facility qualifying for the no exposure exclusion. In addition, the exclusion from NPDES permitting is available on a facility-wide basis only, not for individual outfalls. If any industrial activities or materials are or will be exposed to precipitation, the facility is not eligible for the no exposure exclusion.

By signing and submitting this No Exposure Certification form, the entity in Section A is certifying that a condition of no exposure exists at its facility or site, and is obligated to comply with the terms and conditions of 40 CFR 122.26(g).

ALL INFORMATION MUST BE PROVIDED ON THIS FORM.

Detailed instructions for completing this form and obtaining the no exposure exclusion are provided on pages 3 and 4.

A. Facility Operator Information

1. Name: _____ 2. Phone: _____
3. Mailing Address: a. Street: _____
   b. City: _____ c. State: ____ d. Zip Code: _____

B. Facility/Site Location Information

1. Facility Name: _____
2. a. Street Address: _____
   b. City: _____ c. County: _____
   d. State: ____ e. Zip Code: _____
3. Is the facility located on Indian Lands? Yes ☐ No ☐
4. Is this a Federal facility? Yes ☐ No ☐
5. a. Latitude: ____ ° ____ ' ____ " b. Longitude: ____ ° ____ ' ____ "
6. a. Was the facility or site previously covered under an NPDES storm water permit? Yes ☐ No ☐
   b. If yes, enter NPDES permit number: _____
7. SIC/Activity Codes: Primary: ____ Secondary (if applicable): ____
8. Total size of site associated with industrial activity: _____ acres
9. a. Have you paved or roofed over a formerly exposed, pervious area in order to qualify for the no exposure exclusion? Yes ☐ No ☐
   b. If yes, please indicate approximately how much area was paved or roofed over. Completing this question does not disqualify you for the no exposure exclusion. However, your permitting authority may use this information in considering whether storm water discharges from your site are likely to have an adverse impact on water quality, in which case you could be required to obtain permit coverage.

   Less than one acre ☐ One to five acres ☐ More than five acres ☐

NPDES FORM 3510-11

Instructions for the NO EXPOSURE CERTIFICATION for Exclusion from NPDES Storm Water Permitting

Form Approved OMB No. 2040-0211

Who May File a No Exposure Certification

Federal law at 40 CFR Part 122.26 prohibits point source discharges of storm water associated with industrial activity to waters of the U.S. without a National Pollutant Discharge Elimination System (NPDES) permit. However, NPDES permit coverage is not required for discharges of storm water associated with industrial activities identified at 40 CFR 122.26(b)(14)(i)-(ix) and (xi) if the discharger can certify that a condition of "no exposure" exists at the industrial facility or site.

Storm water discharges from construction activities identified in 40 CFR 122.26(b)(14)(x) and (b)(15) are not eligible for the no exposure exclusion.

Obtaining and Maintaining the No Exposure Exclusion

This form is used to certify that a condition of no exposure exists at the industrial facility or site described herein. This certification is only applicable in jurisdictions where EPA is the NPDES permitting authority and must be re-submitted at least once every five years.

The industrial facility operator must maintain a condition of no exposure at its facility or site in order for the no exposure exclusion to remain applicable. If conditions change resulting in the exposure of materials and activities to storm water, the facility operator must obtain coverage under an NPDES storm water permit immediately.

Where to File the No Exposure Certification Form

Mail the completed no exposure certification form to:

Storm Water No Exposure Certification (4203)
USEPA
401 M Street, SW
Washington, D.C. 20460

Completing the Form

You must type or print, using uppercase letters, in appropriate areas only. Enter only one character per space (i.e., between the marks). Abbreviate if necessary to stay within the number of characters allowed for each item. Use one space for breaks between words. One form must be completed for each facility or site for which you are seeking to certify a condition of no exposure. Additional guidance on completing this form can be accessed through EPA's web site at www.epa.gov/owm/sw. Please make sure you have addressed all applicable questions and have made a photocopy for your records before sending the completed form to the above address.

Section A. Facility Operator Information

1. Provide the legal name of the person, firm, public organization, or any other entity that operates the facility or site described in this certification. The name of the operator may or may not be the same as the name of the facility. The operator is the legal entity that controls the facility's operation, rather than the plant or site manager.

2. Provide the telephone number of the facility operator.

3. Provide the mailing address of the operator (P.O. Box numbers may be used). Include the city, state, and zip code. All correspondence will be sent to this address.

Section B. Facility/Site Location Information

1. Enter the official or legal name of the facility or site.

2. Enter the complete street address (if no street address exists, provide a geographic description [e.g., intersection of Routes 9 and 55]), city, county, state, and zip code. Do not use a P.O. Box number.

3. Indicate whether the facility is located on Indian Lands.

4. Indicate whether the industrial facility is operated by a department or agency of the Federal Government (see also Section 313 of the Clean Water Act).

5. Enter the latitude and longitude of the approximate center of the facility or site in degrees/minutes/seconds. Latitude and longitude can be obtained from United States Geological Survey (USGS) quadrangle or topographic maps, by calling 1-(888) ASK-USGS, or by accessing EPA's web site at http://www.epa.gov/owm/sw/industry/index.htm and selecting Latitude and Longitude Finders under the Resources/Permit section.

   Latitude and longitude for a facility in decimal form must be converted to degrees (°), minutes (′), and seconds (″) for proper entry on the certification form. To convert decimal latitude or longitude to degrees/minutes/seconds, follow the steps in the following example.

   Example: Convert decimal latitude 45.1234567 to degrees (°), minutes (′), and seconds (″).

   a) The numbers to the left of the decimal point are the degrees: 45°.

   b) To obtain minutes, multiply the first four numbers to the right of the decimal point by 0.006: 1234 x 0.006 = 7.404.

   c) The numbers to the left of the decimal point in the result obtained in (b) are the minutes: 7′.

   d) To obtain seconds, multiply the remaining three numbers to the right of the decimal from the result obtained in (b) by 0.06: 404 x 0.06 = 24.24. Since the numbers to the right of the decimal point are not used, the result is 24″.

   e) The conversion for 45.1234567 = 45° 7′ 24″.

6. Indicate whether the facility was previously covered under an NPDES storm water permit. If so, include the permit number.

7. Enter the 4-digit SIC code which identifies the facility's primary activity, and second 4-digit SIC code identifying the facility's secondary activity, if applicable. SIC codes can be obtained from the Standard Industrial Classification Manual, 1987.

8. Enter the total size of the site associated with industrial activity in acres. Acreage may be determined by dividing square footage by 43,560, as demonstrated in the following example.

   Example: Convert 54,450 ft^2 to acres

   Divide 54,450 ft^2 by 43,560 square feet per acre:
   54,450 ft^2 ÷ 43,560 ft^2/acre = 1.25 acres.

9. Check "Yes" or "No" as appropriate to indicate whether you have paved or roofed over a formerly exposed, pervious area (i.e., lawn, meadow, dirt or gravel road/parking lot) in order to qualify for no exposure. If yes, also indicate approximately how much area was paved or roofed over and is now impervious area.

APPENDIX 5 TO PREAMBLE-REGULATORY FLEXIBILITY FOR SMALL ENTITIES

A. Regulatory Flexibility for Small Municipal Storm Sewer Systems (MS4s)

Different Compliance, Reporting, or Timetables that are Responsive to Resources of Small Entities

NPDES permitting authorities can issue general permits instead of requiring individual permits. This flexibility avoids the high application costs and administrative burden associated with individual permits.

NPDES permitting authorities can specify a time period of up to five years for small MS4s to fully develop and implement their program

Analytic monitoring is not required.

After the first permit term and subsequent permit terms, submittal of a summary report is only required in years two and four (Phase I municipalities are currently required to submit a detailed report each year).

A brief reporting format is encouraged to facilitate compiling and analyzing data from submitted reports. EPA intends to develop a model form for this purpose.

NPDES Permitting Authorities can phase in permit coverage for small MS4s serving jurisdictions with a population under 10,000 on a schedule consistent with a State watershed permitting approach.

Clarifying, Consolidating, or Simplifying Compliance and Reporting Requirements

The rule avoids duplication in permit requirements by allowing NPDES permitting authorities to include permit conditions that direct an MS4 to follow the requirements of a qualifying local program rather than the requirements of a minimum measure. Compliance with these programs is considered compliance with the NPDES general permit.

The rule allows NPDES permitting authorities to recognize existing responsibilities among different municipal entities to satisfy obligations for the minimum control measures.

A further alternative allows a small MS4 to satisfy its NPDES permit obligations if another governmental entity is already implementing a minimum control measure in the jurisdiction of the small MS4. The following conditions must be met:

1. The other entity is implementing the control measure,

located within an urbanized area and serving a population less than 1,000 people where the permitting authority has determined the MS4 is not contributing substantially to the pollutant loadings of an interconnected MS4 and, if the MS4 discharges pollutants that have been identified as a cause of impairment in the receiving water of the MS4 then the permitting authority has determined that storm water controls are not needed based on a TMDL that addresses the pollutants of concern.

The rule allows the permitting authority to waive from coverage MS4s serving a population under 10,000 where the permitting authority has evaluated all waters that receive a discharge from the MS4 and the permitting authority has determined that storm water controls are not needed based on a TMDL that addresses the pollutants of concern and future discharges do not have the potential to result in exceedances of water quality standards.

B. Regulatory Flexibility for Small Construction Activities

Different Compliance, Reporting, or Timetables that are Responsive to Resources of Small Entities

The rule gives NPDES permitting authorities discretion not to require the submittal of a notice of intent (NOI) for coverage under a NPDES general permit, thereby reducing administrative and financial burden. All construction sites disturbing greater than 5 acres must submit an NOI.

Clarifying, Consolidating, or Simplifying Compliance and Reporting Requirements

The rule avoids duplication by allowing the NPDES permitting authority to incorporate by reference State, Tribal, or local programs under a NPDES general permit. Compliance with these programs is considered compliance with the NPDES general permit.

Performance Rather than Design Standards for Small Entities

The operator of a covered construction activity selects and implement the BMPs most appropriate for the construction site based on the operator's storm water pollution prevention plan.

Waivers for Small Entities from Coverage

Waivers could be granted based on the use of a rainfall erosivity factor or a comprehensive analysis of water quality impacts.

APPENDIX 6 OF PREAMBLE – GOVERNMENTAL ENTITIES LOCATED FULLY OR PARTIALLY WITHIN AN URBANIZED AREA

(This is a reference list only, not a list of all operators of small MS4s subject to §§ 122.32-122.36. For example, a listed governmental entity is only regulated if it operates a small MS4 within an "urbanized area" boundary as determined by the Bureau of the Census. Furthermore, entities such as military bases, large hospitals, prison complexes, universities, sewer districts, and highway departments that operate a small MS4 within an urbanized area are also subject to the permitting regulations but are not individually listed here. See § 122.26(b)(16) for the definition of a small MS4 and § 122.32(a) for the definition of a regulated small MS4.)

(Source: 1990 Census of Population and Housing, U.S. Bureau of the Census. This list is subject to change with the Decennial Census)

AL Anniston city
AL Attalla city
AL Auburn city
AL Autauga County
AL Blue Mountain town
AL Calhoun County
AL Colbert County
AL Dale County
AL Decatur city
AL Dothan city
AL Elmore County
AL Etowah County
AL Flint City town
AL Florence city
AL Gadsden city
AL Glencoe city
AL Grimes town
AL Hartselle city
AL Hobson City town
AL Hokes Bluff city
AL Houston County
AL Kinsey town
AL Lauderdale County
AL Lee County
AL Limestone County
AL Madison County
AL Midland City town

TX Bunker Hill Village city
TX Cameron County
TX Carrollton city
TX Castle Hills city
TX Cedar Hill city
TX Cedar Park city
TX Chambers County
TX Cibolo city
TX Clear Lake Shores city
TX Clint town
TX Cockrell Hill city
TX College Station city
TX Colleyville city
TX Collin County
TX Comal County
TX Combes town
TX Converse city
TX Copperas Cove city
TX Corinth town
TX Coryell County
TX Crowley city
TX Dallas County
TX Dalworthington Gardens city
TX Deer Park city
TX Denison city
TX Denton city
TX Denton County
TX DeSoto city
TX Dickinson city
TX Donna city
TX Double Oak town
TX Duncanville city
TX Ector County
TX Edgecliff village
TX Edinburg city
TX El Lago city
TX El Paso County
TX Ellis County
TX Euless city
TX Everman city
TX Farmers Branch city
TX Flower Mound town
TX Forest Hill city
TX Fort Bend County
TX Friendswood city
TX Galena Park city
TX Galveston city

TX Lakeside town
TX Lampasas County
TX Lancaster city
TX League City city
TX Leander city
TX Leon Valley city
TX Lewisville city
TX Live Oak city
TX Longview city
TX Lubbock County
TX Lumberton city
TX Martin County
TX McAllen city
TX McLennan County
TX Meadows city
TX Midland city
TX Midland County
TX Mission city
TX Missouri City city
TX Montgomery County
TX Morgan's Point city
TX Nash city
TX Nassau Bay city
TX Nederland city
TX Nolanville city
TX North Richland Hills city
TX Northcrest town
TX Nueces County
TX Odessa city
TX Olmos Park city
TX Palm Valley town
TX Palmview city
TX Pantego town
TX Parker County
TX Pearland city
TX Pflugerville city
TX Pharr city
TX Piney Point Village city
TX Port Arthur city
TX Port Neches city
TX Portland city
TX Potter County
TX Primera town
TX Randall County
TX Richardson city
TX Richland Hills city
TX River Oaks city

TX Webb County
TX Webster city
TX Weslaco city
TX West Lake Hills city
TX West University Place city
TX Westover Hills town
TX Westworth village
TX White Oak city
TX White Settlement city
TX Wichita County
TX Wichita Falls city
TX Williamson County
TX Wilmer city
TX Windcrest city
TX Woodway city

UT American Fork city
UT Bluffdale city
UT Bountiful city
UT Cache County
UT Cedar Hills town
UT Centerville city
UT Clearfield city
UT Clinton city
UT Davis County
UT Draper city
UT Farmington city
UT Farr West city
UT Fruit Heights city
UT Harrisville city
UT Highland city
UT Hyde Park city
UT Kaysville city
UT Layton city
UT Lehi city
UT Lindon city
UT Logan city
UT Mapleton city
UT Midvale city
UT Millville city
UT Murray city
UT North Logan city
UT North Ogden city
UT North Salt Lake city
UT Ogden city
UT Orem city
UT Pleasant Grove city

APPENDIX 7 OF PREAMBLE - GOVERNMENTAL ENTITIES (LOCATED OUTSIDE OF AN URBANIZED AREA) THAT MUST BE EXAMINED BY THE NPDES PERMITTING AUTHORITY FOR POTENTIAL DESIGNATION UNDER § 123.35(b)(2)

(All listed entities have a population of at least 10,000 and a population density of at least 1,000. A listed entity would only be potentially designated if it operates a small MS4. See § 122.26(b)(16) for the definition of a small MS4.)
(This list does not include all operators of small MS4s that may be designated by the NPDES permitting authority. Operators of small MS4s in areas with populations below 10,000 and densities below 1,000 may also be designated but examination of them is not required. Also, entities such as military bases, large hospitals, prison complexes, universities, sewer districts, and highway departments that operate a small MS4 in an area listed here, or in an area otherwise designated by the NPDES permitting authority, may be designated and become subject to permitting regulations.)
(Source: 1990 Census of Population and Housing, U.S. Bureau of the Census. This list is subject to change with the Decennial Census)

AL Daphne city
AL Jacksonville city
AL Selma city

AR Arkadelphia city
AR Benton city
AR Blytheville city
AR Conway city
AR El Dorado city
AR Hot Springs city
AR Magnolia city
AR Rogers city
AR Searcy city
AR Stuttgart city

AZ Douglas city

CA Arcata city
CA Arroyo Grande city
CA Atwater city
CA Auburn city
CA Banning city
CA Brawley city

TX Hereford city
TX Huntsville city
TX Jacksonville city
TX Kerrville city
TX Kingsville city
TX Lake Jackson city
TX Lamesa city
TX Levelland city
TX Lufkin city
TX Mercedes city
TX Mineral Wells city
TX Mount Pleasant city
TX Nacogdoches city
TX New Braunfels city
TX Palestine city
TX Pampa city
TX Pecos city
TX Plainview city
TX Port Lavaca city
TX Robstown city
TX Rosenberg city
TX Round Rock city
TX San Marcos city
TX Seguin city
TX Snyder city
TX Stephenville city
TX Sweetwater city
TX Taylor city
TX The Colony city
TX Uvalde city
TX Vernon city
TX Vidor city

UT Brigham City city
UT Cedar City city
UT Spanish Fork city
UT Tooele city

VA Blacksburg town
VA Christiansburg town
VA Front Royal town
VA Harrisonburg city
VA Leesburg town
VA Martinsville city
VA Radford city
VA Staunton city
VA Waynesboro city

EPA to standardize stormwater controls for construction

By Stephanie Osborn
APWA Washington Office

The U.S. Environmental Protection Agency has announced that it will promulgate a new rule under the Clean Water Act, called an "effluent guideline," to regulate stormwater discharges from construction and development activities. The rule would apply to the public and private sectors. The regulation is called Effluent Guidelines for the Construction and Development Industry, and the vehicle for implementing it is NPDES stormwater permits for construction.

EPA says the effluent guidelines would not affect municipal separate storm sewer system (MS4) permits. However, local governments are responsible for overseeing the construction and development activities of the private sector and for acquiring individual stormwater permits for their own construction activities. Under phase I of the federal stormwater program, construction disturbing more than five acres requires a permit; phase II is expected to decrease that threshold to one acre.

The current rulemaking timetable requires publication of a proposed rule for the effluent guidelines in December 2000 and a final rule in December 2002, pursuant to deadlines outlined in a consent decree under which EPA plans to issue the regulations. EPA says it intends for the guidelines to be "very prescriptive" in nature, containing performance standards above and beyond current NPDES permit requirements. As a result, the rulemaking process is likely to be technically rigorous and could take as long as five or six years to complete. The agency has requested a two-year extension to the deadlines but is not certain whether that extension will be granted.

EPA held an initial public meeting to discuss the rulemaking April 20, 1999, in Washington, D.C. The following are important points from the meeting.

- Effluent guidelines are technology-based standards, historically promulgated in the form of end-of-pipe limits. EPA intends for this regulation to be in the form of detailed performance standards for best management practices; however, they have not ruled out the imposition of end-of-pipe limits.
- EPA's intended approach is to collect information and performance data on the best erosion and sediment control practices for construction and development and then base the effluent guidelines on those practices and "raise the bar" for national programs.
- EPA will be evaluating pollution-control practices for conventional and toxic pollutants. They will evaluate the "treatability" of the wastewater stream. It is not clear at this point whether the agency could require treatment of stormwater.
- Regarding post-development, EPA may include performance standards related to low-impact development, e.g., new-development site design. Targeted practices include reducing impervious surface area; preserving stream buffers, natural wetlands and riparian corridors; limiting disturbance of soil and vegetation; and maintaining the natural infiltrative capacity of an area.

As the rulemaking moves forward, members may provide technical input and influence the final product. For more information, contact: Eric Strassler at EPA at 202-260-7150 or strassler.eric@epa.gov.Or visit the website: www.epa.gov/OST/guide/construction.●

OSHA to propose ergonomics rule

By Stephanie Osborn and Dale Crandell
APWA Staff

The Occupational Safety and Health Administration plans to propose new ergonomics rules, which will require employers to protect workers against a range of workplace injuries that result from repetitive motion and other physical job requirements. The regulations are likely to affect a broad range of public works activities. A proposed rule is expected for public comment this September.

Ergonomics is defined as the science of fitting a job to a worker. Injuries resulting from jobs with poor ergonomic design are called work-related musculoskeletal disorders such as carpal tunnel syndrome.

Federal OSHA regulations are limited to the private sector, but local governments are often expected to comply, either as a result of goodwill or contract agreements with labor, or by mandate from one of the 25 states with delegated authority over worker health and safety issues.

As drafted, the ergonomics rule proposes to sequentially add different workplace occupations over time, focusing first on industries representing the largest source of WMSD problems. The initial rule would cover three types of employers: manufacturing operations, manual-handling operations, and "other jobs in general industry where there is a demonstrated problem."

For public works, this initial group potentially includes anything from solid waste collection, water/wastewater plant operations, transit operation, and a variety of maintenance functions--street and traffic, roadway, stormwater systems, vehicle/equipment, parks and grounds, and facilities. The construction industry is specifically exempted from this initial phase.

Unique to this rule, ergonomics requirements for employers would be triggered only after an WMSD incident occurs and is reported. The intent is for requirements to be site-specific and job-specific, meaning an organization would only identify ergonomic needs for jobs and locations where an actual incident or problem exists.

According to the draft rule, the elements of an organization's ergonomics program would be: (1) management leadership and employee participation; (2) hazard identification and information; (3) job hazard analysis and control; (4) training; (5) medical management; and (6) program evaluation. The last four would be required only if a WMSD incident had been reported.

The full text of the proposed rule, along with a descriptive summary, is available on OSHA's web site at: http://www.osha-slc.gov/SLTC/ergonomics/index.html.

APWA members wishing to be alerted when the proposed rule is issued and/or participate in a review and comment effort, contact Dale Crandell, 816-472-6100, dcrandell@apwa.net, or Stephanie Osborn, 202-393-2792,sosborn@apwa.net. ●

THIS FORM REPLACES PREVIOUS FORM 3510-6 (8-98)
See Reverse for Instructions

Form Approved. OMB No. 2040-0188

NPDES FORM

EPA

United States Environmental Protection Agency
Washington, DC 20460
Notice of Intent (NOI) for Storm Water Discharges Associated with CONSTRUCTION ACTIVITY Under a NPDES General Permit

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form intends to be authorized by a NPDES permit issued for storm water discharges associated with construction activity in the State/Indian Country Land identified in Section II of this form. Submission of this Notice of Intent also constitutes notice that the party identified in Section I of this form meets the eligibility requirements in Part I.B. of the general permit (including those related to protection of endangered species determined through the procedures in Addendum A of the general permit), understands that continued authorization to discharge is contingent on maintaining permit eligibility, and that implementation of the Storm Water Pollution Prevention Plan required under Part IV of the general permit will begin at the time the permittee commences work on the construction project identified in Section II below. IN ORDER TO OBTAIN AUTHORIZATION, ALL INFORMATION REQUESTED MUST BE INCLUDED ON THIS FORM. SEE INSTRUCTIONS ON BACK OF FORM.

I. Owner/Operator (Applicant) Information

Name: Phone:

Address: Status of Owner/Operator:

City: State: Zip Code:

II. Project/Site Information

Is the facility located on Indian Country Lands? Yes ☐ No ☐

Project Name:

Project Address/Location:

City: State: Zip Code:

Latitude: Longitude: County:

Has the Storm Water Pollution Prevention Plan (SWPPP) been prepared? Yes ☐ No ☐

Optional: Address of location of SWPPP for viewing ☐ Address in Section I above ☐ Address in Section II above ☐ Other address (if known) below:

SWPPP Address: Phone:

City: State: Zip Code:

Name of Receiving Water:

Month Day Year — Estimated Construction Start Date

Month Day Year — Estimated Completion Date

Estimate of area to be disturbed (to nearest acre):

Estimate of Likelihood of Discharge (choose only one):

1. ☐ Unlikely
2. ☐ Once per month
3. ☐ Once per week
4. ☐ Once per day
5. ☐ Continual

Based on instruction provided in Addendum A of the permit, are there any listed endangered or threatened species, or designated critical habitat in the project area?

Yes ☐ No ☐

I have satisfied permit eligibility with regard to protection of endangered species through the indicated section of Part I.B.3.e.(2) of the permit (check one or more boxes):

(a) ☐ (b) ☐ (c) ☐ (d) ☐

III. 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 assure that qualified personnel properly gather and evaluate the information submitted. Based on *my* inquiry of the person or persons who manage this 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.

Print Name: Date:

Signature: _____

EPA Form 3510-9 replaced 3510-6 (8-98)

EPA

Instructions – EPA Form 3510-9

Form Approved. OMB No. 2040-0188

Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activity to be Covered Under a NPDES Permit

Who Must File a Notice of Intent Form

Under the provisions of the Clean Water Act, as amended, (33 U.S.C. 1251 et.seq.; the Act), except as provided by Part I.B.3 the permit, Federal law prohibits discharges of pollutants in storm water from construction activities without a National Pollutant Discharge Elimination System Permit. Operator(s) of construction sites where 5 or more acres are disturbed, smaller sites that are part of a larger common plan of development or sale where there is a cumulative disturbance of at least 5 acres, or any site designated by the Director, must submit an NOI to obtain coverage under an NPDES Storm Water Construction General Permit. If you have questions about whether you need a permit under the NPDES Storm Water program, or if you need information as to whether a particular program is administered by EPA or a State agency, write to or telephone the Notice of Intent Processing Center at (703) 931-3230.

Where to File NOI Form

NOIs must be sent to the following address:

Storm Water Notice of Intent (4203)
USEPA
401 M. Street, SW
Washington, D.C. 20460

Do not send Storm Water Pollution Prevention Plans (SWPPPs) to the above address. For overnight/express delivery of NOIs, please include the room number 2104 Northeast Mall and phone number (202) 260-9541 in the address.

When to File

This form must be filed at least 48 hours before construction begins.

Completing the Form

OBTAIN AND READ A COPY OF THE APPROPRIATE EPA STORM WATER CONSTRUCTION GENERAL PERMIT FOR YOUR AREA. To complete this form, type or print, using uppercase letters, in the appropriate areas only. Please place each character between the marks (abbreviate if necessary to stay within the number of characters allowed for each item). Use one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response. If you have any questions on this form, call the Notice of Intent Processing Center at (703) 931-3230.

Section I. Facility Owner/Operator (Applicant) Information

Provide the legal name, mailing address, and telephone number of the person, firm, public organization, or any other entity that meet either of the following two criteria: (1) they have operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications; or (2) they have the day-to-day operational control of those activities at the project necessary to ensure compliance with SWPPP requirements or other permit conditions. Each person that meets either of these criteria must file this form. Do not use a colloquial name. Correspondence for the permit will be sent to this address.

Enter the appropriate letter to indicate the legal status of the owner/operator of the project: F = Federal; S = State; M = Public (other than federal or state); P = Private.

Section II. Project/Site Information

Enter the official or legal name and complete street address, including city, county, state, zip code, and phone number of the project or site. If it lacks a street address, indicate with a general statement the location of the site (e.g., Intersection of State Highways 61 and 34). Complete site information must be provided for permit coverage to be granted.

The applicant must also provide the latitude and longitude of the facility in degrees, minutes, and seconds to the nearest 15 seconds. The latitude and longitude of your facility can be located on USGS quadrangle maps. Quadrangle maps can be obtained by calling 1-800 USA MAPS. Longitude and latitude may also be obtained at the Census Bureau Internet site: http://www.census.gov/cgi-bin/gazetteer.

Latitude and longitude for a facility in decimal form must be converted to degrees, minutes and seconds for proper entry on the NOI form. To convert decimal latitude or longitude to degrees, minutes, and seconds, follow the steps in the following example.

Convert decimal latitude 45.1234567 to degrees, minutes, and seconds.

1) The numbers to the left of the decimal point are degrees.
2) To obtain minutes, multiply the first four numbers to the right of the decimal point by 0.006. 1234 x .006 = 7.404.
3) The numbers to the left of the decimal point in the result obtained in step 2 are the minutes: 7'.
4) To obtain seconds, multiply the remaining three numbers to the right of the decimal from the result in step 2 by 0.06: 404 x 0.06 = 24.24. Since the numbers to the right of the decimal point are not used, the result is 24".
5) The conversion for 45.1234 = 45° 7' 24".

Indicate whether the project is on Indian Country Lands.

Indicate if the Storm Water Pollution Prevention Plan (SWPPP) has been developed. Refer to Part IV of the general permit for information on SWPPPs. To be eligible for coverage, a SWPPP must have been prepared.

Optional: Provide the address and phone number where the SWPPP can be viewed if different from addresses previously given. Check appropriate box.

Enter the name of the closest water body which receives the project's construction storm water discharge.

Enter the estimated construction start and completion dates using four digits for the year (i.e. 05/27/1998).

Enter the estimated area to be disturbed including but not limited to: grubbing, excavation, grading, and utilities and infrastructure installation. Indicate to the nearest acre; if less than 1 acre, enter "1." Note: 1 acre = 43,560 sq. ft.

Indicate your best estimate of the likelihood of storm water discharges from the project. EPA recognizes that actual discharges may differ from this estimate due to unforeseen or chance circumstances.

Indicate if there are any listed endangered or threatened species, or designated critical habitat in the project area.

Indicate which Part of the permit that the applicant is eligible with regard to protection of endangered or threatened species, or designated critical habitat.

Section III. Certification

Federal Statutes provide for severe penalties for submitting false information on this application form. Federal regulations require this application to be signed as follows:

For a corporation: by a responsible corporate officer, which means: (i) president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions, or (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

For a partnership or sole proprietorship: by a general partner of the proprietor, or

For a municipality, state, federal, or other public facility: by either a principal executive or ranking elected official. An unsigned or undated NOI form will not be granted permit coverage.

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 3.7 hours. This estimate includes time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form, including any suggestions which may increase or reduce this burden to: Director, OPPE Regulatory Information Division (2137), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, D.C. 20460. Include the OMB control number on any correspondence. Do not send the completed form to this address.

Monday
July 6, 1998

Part II

Environmental Protection Agency

Reissuance of NPDES General Permits for Storm Water Discharges From Construction Activities in Region 6; Notice

ENVIRONMENTAL PROTECTION AGENCY

[FRL–6119–7]

Reissuance of NPDES General Permits for Storm Water Discharges from Construction Activities in Region 6

AGENCY: Environmental Protection Agency (EPA).

ACTION: Notice of final NPDES general permits.

SUMMARY: Region 6 is issuing the final National Pollutant Discharge Elimination System (NPDES) general permits for storm water discharges associated with construction activity in Region 6. EPA first issued permits for these activities in September 1992. These permits subsequently expired in September 1997. Today's permits, which replace those expired permits, are similar to the permits issued in 1992. The main changes from those 1992 permits are summarized in the **SUPPLEMENTARY INFORMATION** section, below.

ADDRESSES: The index to the administrative record and the complete administrative record are available at the Water Docket, MC–4101, U.S. EPA, 401 M Street SW, Washington, DC 20460. Copies of information in the record are available upon request. A reasonable fee may be charged for copying. The index to the administrative record is also available from EPA Region 6, Water Quality Protection Division, Customer Service Branch (6WQ–CA) 1445 Ross Avenue, Suite 1200, Dallas, TX 75202.

DATES: These general permits shall be effective on July 6, 1998.

NOTICE OF INTENT: A NOTICE OF INTENT (NOI) FORM MUST BE SUBMITTED TO OBTAIN COVERAGE FOR STORM WATER DISCHARGES UNDER THESE PERMITS. THE NOI FORM IS GIVEN IN ADDENDUM C OF THESE PERMITS. DEADLINES FOR SUBMITTAL OF NOI'S ARE PROVIDED IN PART II.A OF THE PERMITS.

FOR FURTHER INFORMATION CONTACT: For further information on the NPDES Construction General Permits, call the EPA Region 6 Storm Water Hotline at 1–800–245–6510. Information is also available through the EPA Region 6's storm water web site at "http://www.epa.gov/region6/sw/ and on the PIPES bulletin board web site at "http://pipes.ehsg.saic.com/pipes.htm".

SUPPLEMENTARY INFORMATION:

Contents

I. Introduction

The United States Environmental Protection Agency Region 6 office is reissuing the general permits which authorizes the discharge storm water associated with construction activity. As used in this permit, "storm water associated with construction activity" means construction activity disturbing at least five acres, or construction activity disturbing less than five acres which is part of a larger common plan of development or sale with the potential to disturb cumulatively five or more acres (*See* 40 CFR 122.26(b)(14)(x)).

These permits replace the previous Baseline Construction General Permits which were issued for a five-year term in September 1992. The most significant changes from the 1992 permits are:

► New conditions to protect listed endangered and threatened species and critical habitats;

► Expanded coverage to construction sites under five acres of disturbed land which are not part of a larger common plan of development or sale when an operator has been designated by the Director to obtain coverage.

► A requirement to post at the construction site the confirmation of permit coverage (the permit number or copy of the Notice of Intent (NOI) if a permit number has not yet been assigned) including a brief description of the project;

► Storm water pollution prevention plan performance objectives have been added.

These general permits for storm water discharges associated with construction activity was proposed on June 2, 1997 (62 FR 29786), and are hereby issued for the following areas in Region 6: The States of New Mexico and Texas; Indian Country lands in Louisiana, Oklahoma, Texas and New Mexico (except Navajo Reservation Lands and Ute Mountain Reservation Lands); and oil and gas construction in the State of Oklahoma.

II. Answers to Common Questions

In this section, EPA provides answers to some of the more common questions on the construction storm water permitting program. These answers are fairly broad and may not take into account all scenarios possible at construction sites. More details on these issues are provided at 63 FR 7858 (February 17, 1998) in the "Summary of Responses to Comments on the Proposed Permit" section of the reissuance of NPDES General Permits From Construction Activities for Regions 1, 2, 3, 7, 8, 9 and 10.

How do I Know if I Need a Permit?

You need a storm water permit if you can be considered an "operator" of the construction activity that would result in the "discharge of storm water associated with construction activity." You must become a permittee if you meet either of the following two criteria:

► You have operational control of construction project plans and specifications, including the ability to make modifications to those plans and specifications; or

► You have day-to-day operational control of those activities at a project which are necessary to ensure compliance with a storm water pollution prevention plan (SWPPP) for the site or other permit conditions (e.g., you are authorized to direct workers at a site to carry out activities required by the SWPPP or comply with other permit conditions).

There may be more than one party at a site performing the tasks relating to "operational control" as defined above. Depending on the site and the relationship between the parties (e.g., owner, developer), there can either be a single party acting as site operator and consequently be responsible for obtaining permit coverage, or there can be two or more operators with all needing permit coverage. The following are three general operator scenarios (variations on any of the three are possible as the number of "owners" and contractors increases):

► *Owner as Sole Permittee.* The property owner designs the structures for the site, develops and implements the SWPPP, and serves as general contractor (or has an on-site representative with full authority to direct day-to-day operations). He may be the only party that needs a permit, in which case everyone else on the site may be considered subcontractors and not need permit coverage.

► *Contractor as Sole Permittee.* The property owner hires a construction company to design the project, prepare the SWPPP, and supervise implementation of the plan and compliance with the permit (e.g., a "turnkey" project). Here, the contractor would be the only party needing a permit. It is under this scenario that an individual having a personal residence built for his own use (e.g., not those to be sold for profit or used as rental property) would not be considered an

operator. EPA believes that the general contractor, being a professional in the building industry, should be the entity rather than the individual who is better equipped to meet the requirements of both applying for permit coverage and developing and properly implementing a SWPPP. However, individuals would meet the definition of "operator" and require permit coverage in instances where they perform general contracting duties for construction of their personal residences.

► *Owner and Contractor as Co-Permittees.* The owner retains control over any changes to site plans, SWPPPs, or storm water conveyance or control designs; but the contractor is responsible for overseeing actual earth disturbing activities and daily implementation of SWPPP and other permit conditions. In this case, both parties may need coverage.

However, you are probably not an operator and subsequently do not need permit coverage if:

► You are a subcontractor hired by, and under the supervision of, the owner or a general contractor (i.e., if the contractor directs your activities on-site, you probably are not an operator); or

► your activities on site result in earth disturbance and you are not legally a subcontractor, but a SWPPP specifically identifies someone other than you (or your subcontractor) as the party having operational control to address the impacts your activities may have on storm water quality (i.e., another operator has assumed responsibility for the impacts of your construction activities). This particular provision will apply to most utility service line installations. For further information concerning whether utility service line installations meet the definition of operator and require permit coverage, see the discussion under "Installation of Utility Service Lines" in Section VIII, Summary Response to Public Comments of the Fact Sheet.

In addition, for purposes of this permit and determining who is an operator, "owner" refers to the party that owns the structure being built. Ownership of the land where construction is occurring does not necessarily imply the property owner is an operator (e.g., a landowner whose property is being disturbed by construction of a gas pipeline). Likewise, if the erection of a structure has been contracted for, but possession of the title or lease to the land or structure is not to occur until after construction, the would-be owner may not be considered an operator (e.g., having a house built by a residential homebuilder).

My Project Will Disturb Less Than Five Acres, but it May Be Part of a "Larger Common Plan of Development or Sale." How Can I Tell and What Must I do?

If your smaller project is part of a larger common plan of development or sale that collectively will disturb five or more acres (e.g., you are building on six half-acre residential lots in a 10-acre development or are putting in a parking lot in a large retail center) you need permit coverage. The "plan" in a common plan of development or sale is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, sales pitch, advertisement, drawing, permit application, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating construction activities may occur on a specific plot. You must still meet the definition of operator in order to be required to get permit coverage, regardless of the acreage you personally disturb. As a subcontractor, it is unlikely you would need a permit.

For some situations where less than five acres of the original common plan of development remain undeveloped, a permit may not be needed for the construction projects "filling in" the last parts of the common plan of development. A case in which a permit would not be needed is where several empty lots totaling less than five acres remain after the rest of the project had been completed, providing stabilization had also been completed for the entire project. However, if the total area of all the undeveloped lots in the original common plan of development was more than five acres, a permit would be needed.

When Can You Consider Future Construction on a Property To Be Part of a Separate Plan of Development or Sale?

In many cases, a common plan of development or sale consists of many small construction projects that collectively add up to five (5) or more acres of total disturbed land. For example, an original common plan of development for a residential subdivision might lay out the streets, house lots, and areas for parks, schools and commercial development that the developer plans to build or sell to others for development. All these areas would remain part of the common plan of development or sale until the intended construction occurs. After this initial plan is completed for a particular parcel, any subsequent development or redevelopment of that parcel would be regarded as a new plan of development, and would then be subject to the five-acre cutoff for storm water permitting.

What Must I do to Satisfy The Permit Eligibility Requirements Related to Endangered Species?

In order to be eligible for this permit, you must follow the procedures and examples found in Addendum A for the protection of endangered species. You cannot submit your NOI until you are able to certify your eligibility for the permit. Enough lead time should be built into your project schedule to accomplish these procedures. If another operator has certified eligibility for the project (or at least the portion of the project you will be working on) in his NOI, you will usually be able to rely on his certification of project eligibility and not have to repeat the process. EPA created this "coat tail" eligibility option for protection of endangered species to allow the site developer/owner to obtain up-front "clearance" for a project, thereby avoiding duplication of effort by his contractors and unnecessary delays in construction.

What Does the Permit Require Regarding Historic Preservation?

Today's permit does not currently impose requirements related to historic preservation, though EPA may modify the permit at a later date after further discussions with the Advisory Council on Historic Preservation. Therefore, under today's permit, EPA will conduct consultations as it did under the pre-existing Baseline Construction General Permit on a case-by-case basis as needed. Removal of the proposed permit provisions related to historic preservation in no way relieves applicants and permittees of their obligations to comply with applicable State, Tribal or local laws for the preservation of historic properties. EPA reminds permittees that according to section 110(k) of the National Historic Preservation Act (NHPA), an intentional action to significantly adversely affect historic resources with intent to avoid Federal historic preservation requirements may jeopardize future permit coverage for such a permittee.

How Many Notices of Intent (NOIs) Must I Submit? Where and When Are They Sent?

You only need to submit one NOI to cover all activities on any one common plan of development or sale. The site map you develop for the storm water pollution prevention plan identifies which parts of the overall project are

under your control. For example, if you are a homebuilder in a residential development, you need submit only one NOI to cover all your lots, even if they are on opposite sides of the development.

The NOI must be postmarked two days before you begin work on site. The address for submitting NOIs is found in the instruction portion of the NOI form and in Part II.C. of the CGP. You must also look in Part X of the permit to determine if copies of the NOI form are to be sent to a State or Indian Tribe.

If I Am on an ongoing Construction Project, do I Have to Fill in a New NOI To Be Covered by the Permit?

Yes, if you are on an ongoing construction project, a construction project which started prior to the effective date of this permit, you must complete a revised NOI Form (EPA Form 3510-9) to obtain coverage under this permit. However, applicants who have previously submitted an NOI for permit coverage prior to the effective date of this permit have the option to leave the section regarding Addendum A on endangered species blank unless there is a potential impact on endangered species or their habitat.

How do I Know Which Permit Conditions Apply to Me?

You are responsible for complying with all parts of the permit that are applicable to the construction activities you perform. Part III.E. of the permit defines the roles of various operators at a site. In addition, several States and Indian Tribes require alternative or additional permit conditions, and these can be found in Part X of the permit.

Do I Have Flexibility in Preparing the Storm Water Pollution Prevention Plan (SWPPP) and Selecting Best Management Practices (BMPs) for My Site?

Storm water pollution prevention plan requirements were designed to allow maximum flexibility to develop the needed storm water controls based on the specifics of the site. Some of the factors you might consider include: more stringent local development requirements and/or building codes; precipitation patterns for the area at the time the project will be underway; soil types; slopes; layout of structures for the site; sensitivity of nearby water bodies; safety concerns of the storm water controls (e.g., potential hazards of water in storm water retention ponds to the safety of children; the potential of drawing birds to retention ponds and the hazards they pose to aircraft); and coordination with other site operators.

Must Every Permittee Have His Own Separate SWPPP or Is a Joint Plan Allowed?

The only requirement is that there be at least one SWPPP for a site which incorporates the required elements for all operators, but there can be separate plans if individual permittees so desire. EPA encourages permittees to explore possible cost savings by having a joint SWPPP for several operators. For example, the prime developer could assume the inspection responsibilities for the entire site, while each homebuilder shares in the installation and maintenance of sediment traps serving common areas.

If a Project Will Not Be Completed Before This Permit Expires, How Can I Keep Permit Coverage?

If the permit is reissued or replaced with a new one before the current one expires, you will need to comply with whatever conditions the new permit requires in order to transition coverage from the old permit. This usually includes submitting a new NOI. If the permit expires before a replacement permit can be issued, the permit will be administratively "continued." You are automatically covered under the continued permit, without needing to submit anything to EPA, until the earliest of:

- The permit being reissued or replaced;
- Submittal of a Notice of Termination (NOT);
- Issuance of an individual permit for your activity; or
- The Director issues a formal decision not to reissue the permit, at which time you must seek coverage under an alternative permit.

When Can I Terminate Permit Coverage? Can I Terminate Coverage (i.e., Liability for Permit Compliance) Before the Entire Project Is Finished?

You can submit an NOT for your portion of a site providing: (1) You have achieved final stabilization of the portion of the site for which you are a permittee (including, if applicable, returning agricultural land to its pre-construction agricultural use); (2) another operator/permittee has assumed control according to Part VI.G.2.c. of the permit over all areas of the site that have not been finally stabilized which you were responsible for (for example, a developer can pass permit responsibility for lots in a subdivision to the homebuilder who purchases those lots, providing the homebuilder has filed his own NOI); or (3) for residential construction only, you have completed temporary stabilization and the residence has been transferred to the homeowner.

III. Section 401 Certification and Coastal Zone Management Act

Section 401 of the Clean Water Act states that EPA may not issue an NPDES permit until the State in which the discharge will originate grants or waives certification to ensure compliance with appropriate requirements of the Act and State law. The Region has received section 401 certification from the appropriate States and Indian Tribes for all facilities covered by today's permits. Additional permit requirements were required as a condition of certification by the State of Texas and by the Pueblos of Isleta, Nambe, Picuris, Pojoaque, Sandia, Tesuque and Santa Clara in New Mexico. These additional permit requirements are contained in Part X of the permits.

The Coastal Zone Management Act (CZMA) requires all Federal permitting actions to be reviewed for consistency with each approved State Coastal Zone Management Plan. Texas is the only State covered by these permits that has an approved Coastal Zone Management Plan. EPA Region 6 has determined that the permit is consistent with the Texas Coastal Zone Management Plan. The Texas Coastal Zone Management Plan procedures for Federal consistency with Coastal Management Program goals and policies (31 TAC 506.12) state that if an activity requiring a state agency or subdivision action above thresholds requires an equivalent Federal permit, the Texas Coastal Coordination Council may determine the consistency of the state agency/subdivision action or the Federal permit, but not both. Permittees whose construction projects are located within the boundary of the Texas Coastal Management Program above thresholds will be required, as a part of pre-construction project approval, to have a consistency review by the Texas Council. An additional consistency review by the Texas Coastal Coordination Council of the storm water discharges from these construction projects covered by today's permit is, therefore, not required.

IV. Endangered Species Protection

A. Background

The Construction General Permit (CGP) also contains conditions to ensure the activities regulated by it are protective of species that are listed under the Endangered Species Act (ESA) as endangered or threatened (known as "listed species"), and listed species habitat that is designated under

the ESA as critical ("critical habitat"). In addition, the permit's coverage does not extend to discharges and discharge-related activities likely to jeopardize the continued existence of species proposed but not yet listed as endangered or threatened or result in the adverse modification of habitat proposed to be designated critical habitat.

The ESA places several different requirements on activities covered by the CGP. First, section 9 of the ESA and the ESA implementing regulations generally prohibit any person from "taking" a listed animal species (e.g., harassing or harming it) unless the take is authorized under the ESA. This prohibition applies to all entities and includes EPA, permit applicants, permittees and the public at large. Second, section 7(a)(2) of the ESA requires that Federal agencies consult with the Fish and Wildlife Service (FWS) or the National Marine Fisheries Service (NMFS) ("the Services") to insure that any action authorized, funded or carried out by them (also known as "agency actions") are not likely to jeopardize the continued existence of any listed species or result in the destruction or adverse modification of critical habitat. Jeopardizing the continued existence of a listed species means to engage in an action that reasonably would be expected, directly or indirectly, to reduce appreciably the likelihood of both the survival and recovery of a listed species in the wild by reducing the reproduction, numbers or distribution of that species (*See* 40 CFR 402.02).

The ESA section 7 implementing regulations at 50 CFR 402 apply this consultation requirement to any action authorized by a Federal agency that may affect listed species or critical habitat, including permits. This effect, among other things, can be beneficial, detrimental, direct and indirect. The issuance of the CGP by EPA is thus subject to the ESA section 7(a)(2) consultation requirements. Finally, ESA section 7(a)(1) directs Federal agencies to use their authority to further the purposes of the ESA by carrying out programs for the conservation of listed species, and section 7(a)(4) directs Federal agencies to confer with the Services on Agency actions likely to jeopardize the existence of species proposed but not yet finally listed or result in the adverse modification of critical habitat proposed to be designated.

The ESA regulations provide for two types of consultation: formal and informal. Informal consultation is an optional process that includes discussions, correspondence, etc. between the Services and a Federal agency or a designated non-Federal representative (NFR) to determine whether a Federal action is likely to have an adverse effect on listed species or critical habitat. During informal consultation the Services may suggest modifications to the action that a Federal agency, permit applicant or non-Federal representative could implement to avoid likely adverse effects to listed species or critical habitat. If adverse effects are likely and those effects cannot be addressed through informal consultation, then formal consultation generally occurs.

Also of relevance for the CGP are ESA section 10 incidental taking permits. Section 10 of the ESA allows persons, including non-Federal entities to incidentally take listed animal species, where otherwise prohibited, through the issuance of a permit after development of a habitat conservation plan (HCP). These procedures were developed to allow non-Federal entities such as developers to, among other things, alter habitat without incurring takings liability where take is minimized to the extent practicable.

B. Conditions in the June 2, 1997 Proposed Permit To Protect Species and Critical Habitat

The CGP was proposed with a number of conditions to ensure that storm water discharges and best management practices (BMPs) to control storm water runoff were protective of listed species or critical habitat. Specifically, coverage under the proposed CGP would be granted only under the following circumstances:

1. An applicant's storm water discharges or BMPs to control storm water runoff were not likely to adversely affect listed species (identified in Addendum A of the permit) or critical habitat; or

2. The applicant's activity was previously authorized under § 7 or § 10 of the Endangered Species Act (ESA) and that authorization addressed storm water discharges and BMPs to control storm water runoff; or

3. The applicant's activity was considered as part of a larger, more comprehensive assessment of impacts on endangered and threatened species under § 7 or § 10 of the ESA which accounted for storm water discharges and BMPs to control storm water runoff; or

4. Consultation under § 7 of the ESA was conducted for the applicant's activity which resulted in either a no jeopardy opinion or a written concurrence on a finding of no likelihood of adverse effects; or

5. The applicant's activity was considered as part of a larger, more comprehensive site-specific assessment of impacts on endangered and threatened species by the owner or other operator of the site and that permittee certified eligibility under items 1., 2., 3. or 4. above.

The proposal required that applicants assess the impacts of their "storm water discharges" and "BMPs to control storm water runoff" on listed species and critical habitat that are located "in proximity" to the those discharges and BMPs when developing Storm Water Pollution Prevention Plans (SWPPPs) as part of the application process. The proposed CGP also required applicants to include measures in SWPPPs to protect listed species and critical habitat. "In proximity" was defined in Addendum A to include species:

- Located in the path or immediate area through which or over which contaminated point source storm water flows from construction activities to the point of discharge into the receiving water;
- Located in the immediate vicinity of, or nearby, the point of discharge into receiving waters; or
- Located in the area of a site where storm water BMPs are planned or are to be constructed.

EPA also solicited comment on whether the area or scope of impacts to be considered by applicants should be broadened to encompass listed species found on the entire construction site and not just those species found "in proximity" as currently defined in Addendum A.

Failure by permittees to abide by measures in their SWPPPs to protect species and critical habitat would invalidate permit coverage. Attached to the proposed permits were instructions (Addendum A) to assist permit applicants in making this inquiry. The proposal indicated that a county-by-county species list would be included in Addendum A of the final permit to assist applicants in determining if listed species might be "in proximity" to storm water discharges and BMPs. EPA did not provide a draft species list in proposed Addendum A. Instead, EPA referred commenters to a similar species list that was used for an earlier EPA-issued storm water permit, the Multisector Storm Water General Permit, that was issued on September 29, 1995 (*See* 62 FR 29792, note 12, June 2, 1997).

C. Final CGP Conditions To Protect Listed Species

On April 28, 1997, EPA entered into formal consultation with the Fish and Wildlife Service (FWS) and the National Marine Fisheries Service (NMFS) (the "Services") for issuance of the CGP. After discussions with the Services, EPA terminated formal consultation and entered into ESA section 7 informal consultation and conferencing with the Fish and Wildlife Service (FWS) and the National Fisheries Service Services (NMFS) on June 11, 1997. On November 4, and 26, 1997, EPA completed ESA informal consultation when NMFS and FWS provided their respective concurrences with EPA's finding that issuance of the CGP was not likely to adversely affect listed species or critical habitat. However, the negotiations on CGP did not consider ongoing construction projects; i.e., construction projects which started prior to the effective date of these permits.

In January, 1998, Region 6 decided to address ESA certification issues for ongoing construction projects before finalizing the permit. In February, 1998, EPA Region 6 began a supplemental informal consultation with FWS and NMFS on language to clarify requirements for ongoing construction activity. EPA Region 6 completed ESA informal section 7 consultation and conferencing when FWS and NMFS provided their concurrences that issuance of these permits is unlikely to adversely affect listed species or critical habitat on June 9, and 15, respectively. With the completion of these consultations, EPA Region 6 has reduced the administrative burden associated with obtaining permit coverage for ongoing construction projects for the federal agencies and the regulated community.

Based on that consultation and in consideration of comments received on the June 2, 1997, proposal, EPA has placed the following conditions in the permit to protect listed species and critical habitat (*See* Part I.B.3.e). Coverage under the CGP is available for construction projects only if:

a. The storm water discharges and storm water discharge-related activities are not likely to adversely affect listed species or critical habitat (Part I.B.3.e.(2)(a)); or

b. Formal or informal consultation with the Services under section 7 of the Endangered Species Act (ESA) has been concluded which addresses the effects of the applicant's storm water discharges and storm water discharge-related activities on listed species and critical habitat and the consultation results in either a no jeopardy opinion or a written concurrence by the Service(s) on a finding that the applicant's storm water discharges and storm water discharge-related activities are not likely to adversely affect listed species or critical habitat. A section 7 consultation may occur in the context of another Federal on (e.g., an ESA section 7 consultation was performed for issuance of a wetlands dredge and fill permit for the project, or as part of a National Environmental Policy Act [NEPA] review); or

c. The applicant's construction activities are covered by a permit under section 10 of the ESA and that permit addresses the effects of the applicant's storm water discharges and storm water discharge-related activities on listed species and critical habitat (Part I.B.3.e.(2)(c)); or

d. The applicant's storm water discharges and storm water discharge-related activities were already addressed in another operator's certification of eligibility under Part I.B.3.e.(2)(a), (b), or (c) which included the applicant's project area. By certifying eligibility under Part I.B.3.e.(2)(d), the applicant agrees to comply with any measures or controls upon which the other operator's certification under Part I.B.3.e.(2)(a), (b) or (c) was based.

The CGP requires that applicants consider effects to listed species and critical habitat when developing SWPPPs and require that those plans include measures, as appropriate, to protect those resources. Failure by permittees to abide by measures in the SWPPPs to protect species and critical habitat may invalidate permit coverage.

This permit requires all projects commencing construction after the effective date of this permit, to follow the procedures provided in Addendum A of the permit when applying for permit coverage. The Director may also require any existing permittee or applicant to provide documentation of eligibility for this permit using the procedures in Addendum A, where EPA or the Fish and Wildlife Services determine that there is a potential impaction on endangered or threatened species or a critical habitat. Nothing in the permit relieves applicants which are under construction as of the effective date of this permit of their obligations they may have to comply with any requirements of the Endangered Species Act.

Addendum A contains instructions to assist permit applicants in making this inquiry. Those instructions require that applicants ascertain: (1) if their construction activities would occur in critical habitat; (2) whether listed species are in the project area; and (3) whether the applicant's storm water discharges and discharge-related activities are likely to adversely affect listed species or critical habitat. If adverse effects are likely, then applicants would have to meet one of the eligibility requirements of Part I.B.3.e.(2)(b)–(d) (paragraphs b., c., and d. above) to receive permit coverage. "Discharge-related activities" include activities which cause point source storm water pollutant discharges including but not limited to excavation, site development, and other surface disturbing activities, and measures to control, reduce or prevent storm water pollution including the siting, construction and operation of BMPs. The "project area" includes:

1. Area(s) on the construction site where storm water discharges originate and flow towards the point of discharge into the receiving waters (this includes the entire area or areas where excavation, site development, or other ground disturbance activities occur), and the immediate vicinity;

2. Area(s) where storm water discharges flow from the construction site to the point of discharge into receiving waters;

3. Area(s) where storm water from construction activities discharges into the receiving waters and the area(s) in the immediate vicinity of the point of discharge; and

4. Area(s) where storm water BMPs will be constructed and operated, including any area(s) where storm water flows to and from BMPs.

The project area will vary with the size and structure of the construction activity, the nature and quantity of the storm water discharges, the measures (including BMPs) to control storm water runoff, and the type of receiving waters.

Addendum A also contains information on where to find information on listed and proposed species organized by State and county to assist applicants in determining if further inquiry is necessary as to whether listed species are present in the project area. Applicants can check the Office of Wastewater Management's website (http://www.epa.gov/owm). CGP applicants can also get updated species information for their county by calling the appropriate FWS or NMFS office. EPA Region 6 applicants can also contact the EPA Region 6 Storm Water Hotline (1–800–245–6510) for updated species information.

The CGP also requires that applicants comply with any conditions imposed under the eligibility requirements of Part I.B.3.e.(2)a., b., c., or d. above to remain eligible for coverage under this

permit. Such conditions must be incorporated in the applicant's SWPPP. The CGP does not authorize any prohibited take (as defined under section 3 of the ESA and 50 CFR 17.3) of endangered or threatened species unless such takes are authorized under sections 7 or 10 of the ESA. The CGP does not authorize any storm water discharges or storm water discharge-related activities that are likely to jeopardize the continued existence of any species that are listed or proposed to be listed as endangered or threatened under the ESA or result in the adverse modification or destruction of habitat that is designated or proposed to be designated as critical under the ESA.

It is EPA's intention to provide permit applicants with the greatest possible flexibility in meeting permit requirements for protecting listed species and critical habitat. Thus, EPA is allowing applicants to use either section 7 or section 10 ESA mechanisms to address situations where adverse effects are likely (See Part I.B.3.e.(2)(b) and (c)). Also, to give applicants additional flexibility in meeting the Part I.B.3.e. eligibility requirements and with the timing of informal consultations, the permit automatically designates CGP applicants as non-Federal representatives for the purpose of carrying out informal consultation. However, EPA notes that meeting ESA requirements raises difficult implementation issues on how to best ensure that the permits are protective of listed species and critical habitats without unduly burdening permit applicants, permittees, and State, local, and Federal governmental entities. Thus, EPA intends in the future to review those permit conditions and procedures that relate to the ESA and the protection of historic resources to see how well that goal has been achieved and may revise the permits if necessary to better achieve that goal.

V. Historic Property Protection

A. Background

The National Historic Preservation Act of 1966, as amended, (NHPA) establishes a national historic preservation program for the identification and protection of historic properties and resources. Under the NHPA, identification of historic properties is coordinated by the State Historic Preservation Officers (SHPOs), Tribal Historic Preservation Officers (THPOs) or other Tribal Representatives (in the absence of a THPO). Section 106 of the NHPA requires Federal agencies to take into account the effects of their actions on historic properties that are listed or eligible for listing on the National Register of Historic Places and to seek comments from the Advisory Council on Historic Preservation (ACHP). The permit was proposed with a number of conditions pertaining to the consideration of historic properties. EPA has decided to not include those conditions because the ACHP and the National Conference of State Historic Preservation Officers (NCSHPO) have requested that EPA not include such conditions in the final permit at this time. The ACHP and the NCSHPO have recommended that EPA issue the permit but recommend that EPA continue working with them and Tribes regarding the possible development of a more comprehensive and efficient approach to ensure that effects to historic properties are given appropriate consideration while ensuring undue burdens are not imposed on applicants and regulatory authorities. EPA plans to continue working with the ACHP, NCSHPO and Tribes on this effort and may modify the permit to incorporate procedures regarding the protection of historic resources at a later date.

B. Future CGP Conditions To Protect or Consider Effects to Historic Properties

In response to comments received on the permit proposal and because the Agency is still discussing historic preservation with the Advisory Council on Historic Preservation (ACHP), the final permit reserves permit requirements related to historic preservation. Today's final permit does not include the eligibility restrictions and evaluation requirements from the proposed permit. After future discussions with the ACHP, EPA may modify the permit to reflect those discussions.

VI. Regulatory Review (Executive Order 12866)

Under Executive Order 12866, (58 FR 51735 [October 4, 1993]) the Agency must determine whether the regulatory action is "significant" and therefore subject to OMB review and the requirements of the Executive Order. The Order defines "significant regulatory action" as one that is likely to result in a rule that may have an annual effect on the economy of $100 million or more or adversely affect in a material way the economy, a sector of the economy, productivity, competition, jobs, the environment, public health or safety, or State, local or Tribal governments or communities; create a serious inconsistency or otherwise interfere with an action taken or planned by another agency; materially alter the budgetary impact of entitlements, grants, user fees, or loan programs or the rights and obligations of recipients thereof; or raise novel legal or policy issues arising out of legal mandates, the President's priorities, or the principles set forth in the Executive Order. It has been determined that this re-issued general permit is not a "significant regulatory action" under the terms of Executive Order 12866.

VII. Unfunded Mandates Reform Act

Title II of the Unfunded Mandates Reform Act of 1995 (UMRA), Pub. L. 104–4, establishes requirements for Federal agencies to assess the effects of their regulatory actions on State, local, and Tribal governments and the private sector. Under UMRA section 202, EPA generally must prepare a written statement, including a cost-benefit analysis, for proposed and final rules with "Federal mandates" that may result in expenditures to State, local, and Tribal governments, in the aggregate, or to the private sector, of $100 million or more in any one year. Before promulgating an EPA rule for which a written statement is needed, UMRA § 205 generally requires EPA to identify and consider a reasonable number of regulatory alternatives and adopt the least costly, most cost-effective or least burdensome alternative that achieves the objectives of the rule. The provisions of UMRA § 205 do not apply when they are inconsistent with applicable law. Moreover, UMRA § 205 allows EPA to adopt an alternative other than the least costly, most cost-effective or least burdensome alternative if the Administrator publishes an explanation with the final rule why the alternative was not adopted.

Before EPA establishes any regulatory requirements that may significantly or uniquely affect small governments, including Tribal governments, it must have developed under UMRA § 203 a small government agency plan. The plan must provide for notifying potentially affected small governments, enabling officials of affected small governments to have meaningful and timely input in the development of EPA regulatory proposals with significant Federal intergovernmental mandates, and informing, educating and advising small governments on compliance with the regulatory requirements.

A. UMRA Section 202 and the Construction General Permit

UMRA § 202 requires a written statement containing certain assessments, estimates and analyses prior to the promulgation of certain general notices of proposed rulemaking (2 U.S.C. 1532). UMRA § 421(10) defines

"rule" based on the definition of rule in the Regulatory Flexibility Act. Section 601 of the Regulatory Flexibility Act defines "rule" to mean any rule for which an agency publishes a general notice of proposed rulemaking pursuant to § 553 of the Administrative Procedure Act. EPA does not propose to issue NPDES general permits based on APA § 553. Instead, EPA relies on publication of general permits in the **Federal Register** in order to provide "an opportunity for a hearing" under CWA § 402(a), 33 U.S.C. 1342(a). Nonetheless, EPA has evaluated permitting alternatives for regulation of storm water discharges associated with construction activity. The general permit that EPA proposes to re-issue would be virtually the same NPDES general permit for construction that many construction operators have used over the past five years. Furthermore, general permits provide a more cost and time efficient alternative for the regulated community to obtain NPDES permit coverage than that provided through individually drafted permits.

B. UMRA Section 203 and the Construction General Permit

Agencies are required to prepare small government agency plans under UMRA § 203 prior to establishing any regulatory requirement that might significantly or uniquely affect small governments. "Regulatory requirements" might, for example, include the requirements of these NPDES general permits for discharges associated with construction activity, especially if a municipality sought coverage under one of the general permits. EPA envisions that some municipalities—those with municipal separate storm sewer systems serving a population over 100,000—may elect to seek coverage under these proposed general permits. For many municipalities, however, a permit application is not required until August 7, 2001, for a storm water discharge associated with construction activity where the construction site is owned or operated by a municipality with a population of less than 100,000. (See 40 CFR 122.26(e)(1)(ii) and (g)).

In any event, any such permit requirements would not significantly affect small governments because most State laws already provide for the control of sedimentation and erosion in a similar manner as today's general permit. Permit requirements also would not uniquely affect small governments because compliance with the permit's conditions affects small governments in the same manner as any other entity seeking coverage under the permit. Thus, UMRA § 203 would not apply.

VIII. Paperwork Reduction Act

On June 2, 1997, EPA solicited comments on the proposed revision to the current Information Collection Request (ICR) document for this permit (ICR approved OMB; OMB No. 2040–0086, expiration, August 31, 1998) to accommodate the increased information requirements in the new NOI for the construction general permit (62 FR 29826). A revised NOI form has been approved (EPA Form 3510–9 OMB No. 2040–0188.) This revised form is included in the permit in Addendum C. EPA estimates an increase in the burden associated with filling out the NOI form for the permit due to added requirements under the Endangered Species Act. EPA also anticipates a small increase in the time because of the requirement to submit an NOT upon completion of construction activities.

IX. Regulatory Flexibility Act

Under the Regulatory Flexibility Act (RFA), 5 U.S.C. 601 *et seq.*, a Federal agency must prepare an initial regulatory flexibility analysis "for any proposed rule" for which the agency "is required by section 553 of [the Administrative Procedure Act (APA)], or any other law, to publish general notice of proposed rulemaking." The RFA exempts from this requirement any rule that the issuing agency certifies "will not, if promulgated, have a significant economic impact on a substantial number of small entities."

EPA did not prepare an initial regulatory flexibility analysis (IRFA) for the proposed CGP. (Note that in today's action, EPA is issuing a separate general permit for each jurisdiction where EPA issues permits; i.e., in certain States, Indian Country lands and Federal facilities within certain States. However, for purposes of readability, reference is made to the permits in the singular form such as "permit" or "CGP" rather than in plural form.) In the notice of the proposed permit, EPA explained its view that issuance of an NPDES general permit is not subject to rulemaking requirements, including the requirement for a general notice of proposed rulemaking, under APA section 553 or any other law, and is thus not subject to the RFA requirement to prepare an IRFA. Nevertheless, in keeping with EPA's policy to consider the impact of its actions on small entities even when it is not legally required to do so, the Agency considered the potential impact of the permit on small entities that would be eligible for coverage under the permit. EPA concluded that the permit, if issued as drafted, would not have a significant impact on a substantial number of small entities. EPA based its conclusion on the fact that the draft permit was largely the same as the previous permit issued in 1992 and, to the extent it differed, provided dischargers with more flexibility than that permit allowed.

Some commenters on the proposed CGP disagreed with EPA's conclusions that NPDES general permits are not subject to rulemaking requirements and that the proposed permit would not have a significant impact on small entities. They asserted that the CGP is subject to rulemaking requirements and thus the RFA, and that the Agency should have prepared an IRFA for the permit.

In light of the comments received, EPA further considered whether NPDES general permits are subject to rulemaking requirements. The Agency reviewed its previous NPDES general permitting actions and related statements in the **Federal Register** or elsewhere. This review suggests that the Agency has generally treated NPDES general permits effectively as rules, though at times it has given contrary indications as to whether these actions are rules or permits. EPA also reviewed again the applicable law, including the CWA, relevant CWA case law and the APA, as well as the Attorney General's Manual on the APA (1947). On the basis of its review, EPA has concluded, as set forth in the proposal, that NPDES general permits are permits under the APA and thus not subject to APA rulemaking requirements or the RFA.

The APA defines two broad, mutually exclusive categories of agency action—"rules" and "orders." Its definition of "rule" encompasses "an agency statement of general or particular applicability and future effect designed to implement, interpret, or prescribe law or policy or describing the organization, procedure, or practice requirements of an agency * * *" APA section 551(4). Its definition of "order" is residual: "a final disposition * * * of an agency in a matter other than rule making but including *licensing*." APA section 551(6) (emphasis added). The APA defines "license" to "include * * * an agency permit * * *" APA section 551(8). The APA thus categorizes a permit as an order, which by the APA's definition is not a rule.

Section 553 of the APA establishes "rule making" requirements. The APA defines *rule making* as "the agency process for formulating, amending, or repealing a rule." APA § 551(5). By its terms, then, § 553 applies only to "rules" and not also to "orders," which

include permits. As the Attorney General's Manual on the APA explains, "the entire Act is based upon a dichotomy between rule making and adjudication [the agency process for formulation of an order]" (p. 14).

The CWA specifies the use of permits for authorizing the discharge of pollutants to waters of the United States. Section 301(a) of the CWA prohibits discharges of pollutants "[except as in compliance with" specified sections of the CWA, including section 402. 33 U.S.C. 1311(a). Section 402 of the CWA authorizes EPA "to issue a permit for the discharge of any pollutant * * *, notwithstanding section [301(a) of the CWA]." 33 U.S.C. 1342(a). Thus, the only circumstances in which a discharge of pollution may be authorized is where the Agency has issued a permit for the discharge. Courts, recognizing that a permit is the necessary condition-precedent to any lawful discharge, specifically suggested the use of area-wide and general permits as a mechanism for addressing the Agency's need to issue a substantial number of permits. See *NRDC* v. *Train*, 396 F.Supp. 1393, 1402 (D.D.C. 1975); *NRDC* v. *Costle*, 568 F.2d 1369, 1381. (D.C. Cir. 1977). Adopting the courts' suggestion, EPA has made increasing use of general permits in its CWA regulatory program, particularly for storm water discharges.

In the Agency's view, the fact that an NPDES general permit may apply to a large number of different dischargers does not convert it from a permit into a rule. As noted above, the courts which have faced the issue of how EPA can permit large numbers of discharges under the CWA have suggested use of a general *permit*, not a rule. Under the APA, the two terms are mutually exclusive. Moreover, an NPDES general permit retains unique characteristics that distinguish a permit from a rule. First, today's NPDES general permit for storm water discharges associated with construction activity is effective only with respect to those dischargers that *choose* to be bound by the permit. Thus, unlike the typical rule, this NPDES general permit does not impose immediately effective obligations of general applicability. A discharger must choose to be covered by this general permit and so notify EPA. A discharger always retains the option of obtaining its own individual permit. Relatedly, the terms of the NPDES general permit are enforceable only against dischargers that choose to make use of the permit. If a source discharges without authorization of a general or an individual permit, the discharger violates § 301 of the Act for discharging without a permit, not for violating the terms of an NPDES general permit.

Because the CWA and its case law make clear that NPDES permits are the congressionally chosen vehicle for authorizing discharges of pollutants to waters of the United States, the APA's rulemaking requirements are inapplicable to issuance of such permits, including today's general permit. Further, while the CWA requires that NPDES permits be issued only after an opportunity for a hearing, it does not require publication of a general notice of proposed rulemaking. Thus, NPDES permitting is not subject to the requirement to publish a general notice of proposed rulemaking under the APA or any other law. Accordingly, it is not subject to the RFA.

At the same time, the Agency recognizes that the question of the applicability of the APA, and thus the RFA, to the issuance of a general permit is a difficult one, given the fact that a large number of dischargers may choose to use the general permit. Indeed, the point of issuing a general permit is to provide a speedier means of permitting large number of sources and save dischargers and EPA time and effort. Since the Agency hopes that many dischargers will make use of a general permit and since the CWA requires EPA to provide an opportunity for "a hearing" prior to issuance of a permit, EPA provides the public with notice of a draft general permit and an opportunity to comment on it. From public comments, EPA learns how to better craft a general permit to make it appropriate for, and acceptable to, the largest number of potential permittees. This same process also provides an opportunity for EPA to consider the potential impact of general permit terms on small entities and how to craft the permit to avoid any undue burden on small entities. This process, however, is voluntary, and does not trigger rulemaking or RFA requirements.

In the case of the CGP being issued today, the Agency has considered and addressed the potential impact of the general permit on small entities in a manner that would meet the requirements of the RFA if it applied. Specifically, EPA has analyzed the potential impact of the general permit on small entities and found that it will not have a significant economic impact on a substantial number of small entities. Like the previous general permit that it replaces (the Baseline Construction General Permit), the permit will make available to many small entities, particularly operators of construction sites, a streamlined process for obtaining authorization to discharge. Of the possible permitting mechanisms available to dischargers subject to the CWA, NPDES general permits are designed to reduce the reporting and monitoring burden associated with NPDES permit authorization, especially for small entities with discharges having comparatively less potential for environmental degradation than discharges typically regulated under individual NPDES permits. Thus, general permits like the permit at issue here provide small entities with a permitting application option that is much less burdensome than NPDES individual permit applications.

Furthermore, the general permit is virtually identical to its predecessor, the Baseline Construction General Permit, under which many construction operators have operated during the past five years. Moreover, the other new provisions of the permit have been designed to minimize burdens on small entities, including eliminating the requirement that construction site operators require that their contractors and subcontractors sign a standard certification statement agreeing to abide by storm water pollution prevention plan provisions developed for a project. In today's general permit, only the operator(s) of a construction site are required to satisfy certification requirements under the permit. EPA believes this modification from the prior permit should reduce any such adverse economic impacts on both operators and contractors/subcontractors who, in many instances, are small entities. In view of the foregoing, the Regional Administrators find that the final general permit, even if it were a rule, will not have a significant economic impact on a substantial number of small entities.

Storm Water General Permit for Construction Activities in Region 6

NPDES Permit No. [See Part I.A.]

Authorization to Discharge Under the National Pollutant Discharge Elimination System

In compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C. 1251 et. seq.), except as provided in Part I.B.3 of this permit, operators of construction activities located in an area specified in Part I.A. and who submit a Notice of Intent in accordance with Part II, are authorized to discharge pollutants to waters of the United States in accordance with the conditions and requirements set forth herein.

This permit shall become effective on [insert the date of publication of the final permit in the **Federal Register**].

This permit and the authorization to discharge shall expire at midnight, July 7, 2003.

Signed: June 24, 1998.

William B. Hathaway,

Director, Water Quality Protection Division.

NPDES General Permits for Storm Water Discharges from Construction Activities

Table of Contents

Part I. Coverage Under This Permit

A. Permit Area

The permit language is structured as if it were a single permit, with State, Indian Country land, or other area-specific conditions specified in Part X. Permit coverage is actually provided by legally separate and distinctly numbered permits covering each of the following areas:

Region 6

LAR10*##I: Indian Country lands in the State of Louisiana

NMR10*###: The State of New Mexico, except Indian Country lands

NMR10*##I: Indian Country lands in the State of New Mexico, except Navajo Reservation Lands and Ute Mountain Reservation Lands

OKR10*##I: Indian Country lands in the State of Oklahoma

OKR10*##F: Oil and Gas Sites in State of Oklahoma

TXR10*###: The State of Texas, except Indian Country lands

TXR10*##I: Indian Country lands in the State of Texas

B. Eligibility

1. Permittees are authorized to discharge pollutants in storm water runoff associated with construction activities as defined in 40 CFR 122.26(b)(14)(x) and those construction site discharges designated by the Director as needing a storm water permit under 122.26(a)(1)(v) or under 122.26(a)(9) and 122.26(g)(1)(i). Discharges identified under Part I.B.3 are excluded from coverage. Any discharge authorized by a different NPDES permit may be commingled with discharges authorized by this permit.

2. This permit also authorizes storm water discharges from support activities (e.g., concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, borrow areas) provided:

a. The support activity is directly related to a construction site that is required to have NPDES permit coverage for discharges of storm water associated with construction activity;

b. The support activity is not a commercial operation serving multiple unrelated construction projects by different operators, and does not operate beyond the completion of the construction activity at the last construction project it supports; and

c. Appropriate controls and measures are identified in a storm water pollution prevention plan covering the discharges from the support activity areas.

3. Limitations on Coverage

a. *Post Construction Discharges.* This permit does not authorize storm water discharges that originate from the site *after* construction activities have been completed and the site, including any temporary support activity site, has undergone final stabilization. Industrial post-construction storm water discharges may need to be covered by a separate NPDES permit.

b. *Discharges Mixed with Non-Storm Water.* This permit does not authorize discharges that are mixed with sources of non-storm water, other than those discharges which are identified in Part III.A.2. or 3. (exceptions to prohibition on non-storm water discharges) and are in compliance with Part IV.D.5 (non-storm water discharges).

c. *Discharges Covered by Another Permit.* This permit does not authorize storm water discharges associated with construction activity that have been covered under an individual permit or required to obtain coverage under an alternative general permit in accordance with Part VI.L.

d. *Discharges Threatening Water Quality.* This permit does not authorize storm water discharges from construction sites that the Director (EPA) determines will cause, or have reasonable potential to cause or contribute to, violations of water quality standards. Where such determinations have been made, the Director may notify the operator(s) that an individual permit application is necessary in accordance with Part VI.L. However, the Director may authorize coverage under this permit after appropriate controls and implementation procedures designed to bring the discharges into compliance with water quality standards have been included in the storm water pollution prevention plan;

e. *Storm water discharges and storm water discharge-related activities that are not protective of Federally listed endangered and threatened ("listed") species or designated critical habitat ("critical habitat").*

(1) For the purposes of complying with the Part I.B.3.e. eligibility requirements, "storm water discharge-related activities" include:

(a) Activities which cause, contribute to, or result in point source storm water pollutant discharges, including but not limited to: excavation, site development, grading and other surface disturbance activities; and

(b) Measures to control storm water including the siting, construction and operation of best management practices

(BMPs) to control, reduce or prevent storm water pollution.

(2) Coverage under this permit is available only if the applicant certifies that it meets at least one of the criteria in paragraphs (a)–(d) below. Failure to continue to meet one of these criteria during the term of the permit will render a permittee ineligible for coverage under this permit.

(a) The storm water discharges and storm water discharge-related activities are not likely to adversely affect listed species or critical habitat; or

(b) Formal or informal consultation with the Fish and Wildlife Service and/or the National Marine Fisheries Service (the "Services") under section 7 of the Endangered Species Act (ESA) has been concluded which addresses the effects of the applicant's storm water discharges and storm water discharge-related activities on listed species and critical habitat and the consultation results in either a no jeopardy opinion or a written concurrence by the Service(s) on a finding that the applicant's storm water discharges and storm water discharge-related activities are not likely to adversely affect listed species or critical habitat. A section 7 consultation may occur in the context of another Federal action (e.g., a ESA section 7 consultation was performed for issuance of a wetlands dredge and fill permit for the project, or as part of a National Environmental Policy Act (NEPA) review); or

(c) The applicant's construction activities are authorized under section 10 of the ESA and that authorization addresses the effects of the applicant's storm water discharges and storm water discharge-related activities on listed species and critical habitat; or

(d) The applicant's storm water discharges and storm water discharge-related activities were already addressed in another operator's certification of eligibility under Part I.B.3.e.(2)(a), (b), or (c) which included the applicant's project area. By certifying eligibility under Part I.B.3.e.(2)(d), the applicant agrees to comply with any measures or controls upon which the other operator's certification under Part I.B.3.e.(2)(a), (b) or (c) was based.

(3) For all projects commencing construction after the effective date of this permit, applicants must follow the procedures provided at Addendum A of this permit when applying for permit coverage. The Director may also require any existing permittee or applicant to provide documentation of eligibility for this permit using the procedures in Addendum A, where EPA or the Fish and Wildlife Services determine that there is a potential impaction on endangered or threatened species or a critical habitat. Nothing in this permit relieves applicants which are under construction as of the effective date of this permit of their obligations they may have to comply with any requirements of the Endangered Species Act.

(4) The applicant must comply with any applicable terms, conditions or other requirements developed in the process of meeting eligibility requirements of Part I.B.3.e.(2)(a), (b), (c), or (d) above to remain eligible for coverage under this permit. Such terms and conditions must be incorporated in the applicant's storm water pollution prevention plan.

(5) Applicants who choose to conduct informal consultation to meet the eligibility requirements of Part I.B.3.e.(2)(b) are automatically designated as non-Federal representatives under this permit. See 50 CFR 402.08. Applicants who choose to conduct informal consultation as a non-Federal representatives must notify EPA and the appropriate Service office in writing of that decision.

(6) This permit does not authorize any storm water discharges where the discharges or storm water discharge-related activities cause prohibited "take" (as defined under section 3 of the Endangered Species Act and 50 CFR 17.3) of endangered or threatened species unless such takes are authorized under sections 7 or 10 of the Endangered Species Act.

(7) This permit does not authorize any storm water discharges where the discharges or storm water discharge-related activities are likely to jeopardize the continued existence of any species that are listed or proposed to be listed as endangered or threatened under the ESA or result in the adverse modification or destruction of habitat that is designated or proposed to be designated as critical under the ESA.

f. Storm water Discharges and Storm Water Discharge-Related Activities with Unconsidered Adverse Effects on Historic Properties. (Reserved)

C. Obtaining Authorization

1. In order for storm water discharges from construction activities to be authorized under this general permit, an operator must:

a. Meet the Part I.B eligibility requirements;

b. Except as provided in Parts II.A.5 and II.A.6, develop a storm water pollution prevention plan (SWPPP) covering either the entire site or all portions of the site for which they are operators (see definition in Part IX.N) according to the requirements in Part IV. A "joint" SWPPP may be developed and implemented as a cooperative effort where there is more than one operator at a site; and

c. Submit a Notice of Intent (NOI) in accordance with the requirements of Part II, using an NOI form provided in Addendum C of this permit. Only one NOI need be submitted to cover all of the permittee's activities on the common plan of development or sale (e.g., you do not need to submit a separate NOI for each separate lot in a residential subdivision or for two separate buildings being constructed at a manufacturing facility, provided your SWPPP covers each area for which you are an operator). The SWPPP must be implemented upon commencement of construction activities.

2. Any new operator on site, including those who replace an operator who has previously obtained permit coverage, must submit an NOI to obtain permit coverage.

3. Unless notified by the Director to the contrary, operators who submit a correctly completed NOI in accordance with the requirements of this permit are authorized to discharge storm water from construction activities under the terms and conditions of this permit two (2) days after the date that the NOI is postmarked. The Director may deny coverage under this permit and require submittal of an application for an individual NPDES permit based on a review of the NOI or other information (see Part VI.L).

D. Terminating Coverage

1. Permittees wishing to terminate coverage under this permit must submit a Notice of Termination (NOT) in accordance with Part VIII of this permit. Compliance with this permit is required until an NOT is submitted. The permittee's authorization to discharge under this permit terminates at midnight of the day the NOT is signed.

2. All permittees must submit a NOT within thirty (30) days after one or more of the following conditions have been met:

a. Final stabilization (see definition Part IX.I) has been achieved on all portions of the site for which the permittee is responsible (including if applicable, returning agricultural land to its pre-construction agricultural use);

b. Another operator/permittee has assumed control according to Part VI.G.2.c. over all areas of the site that have not been finally stabilized; or

c. For residential construction only, temporary stabilization has been completed and the residence has been transferred to the homeowner.

Enforcement actions may be taken if a permittee submits a NOT without

meeting one or more of these conditions.

Part II. Notice of Intent Requirements

A. Deadlines for Notification

1. Except as provided in Parts II.A.3, II.A.4, II.A.5 or II.A.6 below, parties defined as operators (see definition in Part IX.N) due to their operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications, must submit a Notice of Intent (NOI) in accordance with the requirements of this Part at least two (2) days prior to the commencement of construction activities (i.e., the initial disturbance of soils associated with clearing, grading, excavation activities, or other construction activities).

2. Except as provided in Parts II.A.3, II.A.4, II.A.5 or II.A.6 below, parties defined as operators (see definition in Part IX.N) due to their day-to-day operational control over activities at a project which are necessary to ensure compliance with a storm water pollution prevention plan or other permit conditions (e.g., general contractor, erosion control contractor) must submit a NOI at least two (2) days prior to commencing work on-site.

3. For storm water discharges from construction projects where the operator changes, including instances where an operator is added after a NOI has been submitted under Parts II.A.1 or II.A.2, the new operator must submit a NOI at least two (2) days before assuming operational control over site specifications or commencing work on-site.

4. Operators are not prohibited from submitting late NOIs. When a late NOI is submitted, authorization is only for discharges that occur after permit coverage is granted. The Agency reserves the right to take appropriate enforcement actions for any unpermitted activities that may have occurred between the time construction commenced and authorization of future discharges is granted (typically 2 days after a complete NOI is submitted).

5. Operators of on-going construction projects as of the effective date of this permit which received authorization to discharge for these projects under the 1992 baseline construction general permit must:

a. Submit a NOI according to Part II.B. within 90 days of the effective date of this permit. If the permittee is eligible to submit a Notice of Termination (e.g., construction is finished and final stabilization has been achieved) before the 90th day, a new NOI is not required to be submitted;

b. For the first 90 days from the effective date of this permit, comply with the terms and conditions of the 1992 baseline construction general permit they were previously authorized under; and

c. Update their storm water pollution prevention plan to comply with the requirements of Part IV within 90 days after the effective date of this permit.

6. Operators of on-going construction projects as of the effective date of this permit which did *not* receive authorization to discharge for these projects under the 1992 baseline construction general permit must:

a. Prepare and comply with an interim storm water pollution prevention plan in accordance with the 1992 baseline construction general permit prior to submitting an NOI;

b. Submit a NOI according to Part II.B; and

c. Update their storm water pollution prevention plan to comply with the requirements of Part IV within 90 days after the effective date of this permit.

B. Contents of Notice of Intent (NOI)

1. Use of Revised NOI Form

The revised NOI form [EPA Form 3510–9] shall be signed in accordance with Part VI.G of this permit and shall include the following information:

a. The name, address, and telephone number of the operator filing the NOI for permit coverage;

b. An indication of whether the operator is a Federal, State, Tribal, private, or other public entity;

c. The name (or other identifier), address, county, and latitude/longitude of the construction project or site;

d. An indication of whether the project or site is located on Indian Country lands;

e. Confirmation that a storm water pollution prevention plan (SWPPP) has been developed or will be developed prior to commencing construction activities, and that the SWPPP will be compliant with any applicable local sediment and erosion control plans. Copies of SWPPPs or permits should *not* be included with the NOI submission;

f. Optional information: the location where the SWPPP may be viewed and the name and telephone number of a contact person for scheduling viewing times;

g. The name of the receiving water(s);

h. Estimates of project start and completion dates, and estimates of the number of acres of the site on which soil will be disturbed (if less than 1 acre, enter "1");

i. Based on the instructions in Addendum A, whether any listed or proposed threatened or endangered species, or designated critical habitat, are in proximity to the storm water discharges or storm water discharge-related activities to be covered by this permit;

j. Under which section(s) of Part I.B.3.e. (Endangered Species) the applicant is certifying eligibility; and

Note that as of the effective date of this permit, reporting of information relating to the preservation of historic properties has been reserved and is not required at this time. Such reservation in no way relieves applicants or permittees from any otherwise applicable obligations or liabilities related to historic preservation under State, Tribal or local law. After further discussions between EPA and the Advisory Council on Historic Preservation, the Agency may modify the permit. Any such modification may affect future Notice of Intent reporting requirements.

C. Where To Submit

1. NOIs must be signed in accordance with Part VI.G. and sent to the following address: Storm Water Notice of Intent (4203), US EPA, 401 M Street, SW, Washington, DC 20460.

Part III. Special Conditions, Management Practices, and Other Non-Numeric Limitations

A. Prohibition on Non-Storm Water Discharges

1. Except as provided in Parts I.B.2 or 3 and III.A.2 or 3, all discharges covered by this permit shall be composed entirely of storm water associated with construction activity.

2. Discharges of material other than storm water that are in compliance with an NPDES permit (other than this permit) issued for that discharge may be discharged or mixed with discharges authorized by this permit.

3. The following non-storm water discharges from active construction sites are authorized by this permit provided the non-storm water component of the discharge is in compliance with Part IV.D.5 (non-storm water discharges): discharges from fire fighting activities; fire hydrant flushings; waters used to wash vehicles where detergents are not used; water used to control dust in accordance with Part IV.D.2.c.(2); potable water sources including waterline flushings; routine external building wash down which does not use detergents; pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used; air

conditioning condensate; uncontaminated ground water or spring water; and foundation or footing drains where flows are not contaminated with process materials such as solvents.

B. Releases in Excess of Reportable Quantities

The discharge of hazardous substances or oil in the storm water discharge(s) from a facility shall be prevented or minimized in accordance with the applicable storm water pollution prevention plan for the facility. This permit does not relieve the permittee of the reporting requirements of 40 CFR 110, 40 CFR 117 and 40 CFR 302. Where a release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR 110, 40 CFR 117 or 40 CFR 302, occurs during a 24 hour period:

1. The permittee is required to notify the National Response Center (NRC) (800–424–8802; in the Washington, DC, metropolitan area call 202–426–2675) in accordance with the requirements of 40 CFR 110, 40 CFR 117 and 40 CFR 302 as soon as he or she has knowledge of the discharge;

2. The storm water pollution prevention plan required under Part IV of this permit must be modified within 14 calendar days of knowledge of the release to: provide a description of the release, the circumstances leading to the release, and the date of the release. In addition, the plan must be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the plan must be modified where appropriate.

C. Spills

This permit does not authorize the discharge of hazardous substances or oil resulting from an on-site spill.

D. Discharge Compliance With Water Quality Standards

Operators seeking coverage under this permit shall not be causing or have the reasonable potential to cause or contribute to a violation of a water quality standard. Where a discharge is already authorized under this permit and is later determined to cause or have the reasonable potential to cause or contribute to the violation of an applicable water quality standard, the Director will notify the operator of such violation(s). The permittee shall take all necessary actions to ensure future discharges do not cause or contribute to the violation of a water quality standard and document these actions in the storm water pollution prevention plan. If violations remain or re-occur, then coverage under this permit may be terminated by the Director, and an alternative general permit or individual permit may be issued. Compliance with this requirement does not preclude any enforcement activity as provided by the Clean Water Act for the underlying violation.

E. Responsibilities of Operators

Permittees may meet one or both of the operational control components in the definition of "operator" found in Part IX.N. Either Parts III.E.1 or III.E.2 or both will apply depending on the type of operational control exerted by an individual permittee. Part III.E.3 applies to all permittees.

1. Permittees with operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications (e.g., developer or owner), must:

a. Ensure the project specifications that they develop meet the minimum requirements of Part IV (Storm Water Pollution Prevention Plans (SWPPP)) and all other applicable conditions;

b. Ensure that the SWPPP indicates the areas of the project where they have operational control over project specifications (including the ability to make modifications in specifications), and ensure all other permittees implementing portions of the SWPPP impacted by any changes they make to the plan are notified of such modifications in a timely manner; and

c. Ensure that the SWPPP for portions of the project where they are operators indicates the name and NPDES permit number for parties with day-to-day operational control of those activities necessary to ensure compliance with the SWPPP or other permit conditions. If these parties have not been identified at the time the SWPPP is initially developed, the permittee with operational control over project specifications shall be considered to be the responsible party until such time as the authority is transferred to another party (e.g., general contractor) and the plan updated.

2. Permittee(s) with day-to-day operational control of those activities at a project which are necessary to ensure compliance with a SWPPP for the site or other permit conditions (e.g., general contractor) must:

a. Ensure that the SWPPP for portions of the project where they are operators meets the minimum requirements of Part IV (Storm Water Pollution Prevention Plan) and identifies the parties responsible for implementation of control measures identified in the plan;

b. Ensure that the SWPPP indicates areas of the project where they have operational control over day-to-day activities;

c. Ensure that the SWPPP for portions of the project where they are operators indicates the name and NPDES permit number of the party(ies) with operational control over project specifications (including the ability to make modifications in specifications);

3. Permittees with operational control over only a portion of a larger construction project (e.g., one of four homebuilders in a subdivision) are responsible for compliance with all applicable terms and conditions of this permit as it relates to their activities on their portion of the construction site, including protection of endangered species and implementation of BMPs and other controls required by the SWPPP. Permittees shall ensure either directly or through coordination with other permittees, that their activities do not render another party's pollution controls ineffective. Permittees must either implement their portions of a common SWPPP or develop and implement their own SWPPP.

F. Consistency With the Texas Coastal Management Program

This permit does not relieve permittees whose construction project is located within the boundary of the Texas Coastal Management Program of their responsibility to insure consistency with all applicable requirements of this State program. While pre-construction approval of development projects is not within the jurisdiction of the Federal NPDES permit program, State or local pre-construction project approvals and/or permits may be required. The permittee's Storm Water Pollution Prevention Plan must be consistent with any storm water discharge-related requirements established pursuant to, or necessary to be consistent with, the Texas Coastal Management Program. This permit may be reopened, upon petition by the State, to include more stringent discharge requirements applying to areas within the State's designated coastal zone.

The Texas Coastal Management Program boundary covers part or all of the following Texas Counties: Aransas, Brazoria, Calhoun, Cameron, Chambers, Galveston, Harris, Jackson, Jefferson, Kenedy, Kleberg, Matagorda, Nueces, Orange, Refugio, San Patricio, Victoria, and Willacy. To determine if a construction project is located within the Texas Coastal Zone, and if so, the applicable requirements of the Texas Coastal Management Program, please

contact the Texas General Land Office's Coastal Hotline at 1–800–85–BEACH or access their Internet site at "http://red.glo.state.tx.us/res-mgmt/coastal/". Information is also available from the Texas Coastal Coordination Council's Coastal Permitting Assistance Office at 1–888–3–PERMIT or via the Internet at "http://red.glo.state.tx.us/coastalpermits/".

Part IV. Storm Water Pollution Prevention Plans

At least one storm water pollution prevention plan (SWPPP) shall be developed for each construction project or site covered by this permit. For more effective coordination of BMPs and opportunities for cost sharing, a cooperative effort by the different operators at a site to prepare and participate in a comprehensive SWPPP is encouraged. Individual operators at a site may, but are not required, to develop separate SWPPPs that cover only their portion of the project provided reference is made to other operators at the site. In instances where there is more than one SWPPP for a site, coordination must be conducted between the permittees to ensure the storm water discharge controls and other measures are consistent with one another (e.g., provisions to protect listed species and critical habitat).

Storm water pollution prevention plans shall be prepared in accordance with good engineering practices. The SWPPP shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges from the construction site. The SWPPP shall describe and ensure the implementation of practices which will be used to reduce the pollutants in storm water discharges associated with construction activity at the construction site and assure compliance with the terms and conditions of this permit.

When developing SWPPPs, applicants must follow the procedures in Addendum A of this permit to determine whether listed endangered or threatened species or critical habitat would be affected by the applicant's storm water discharges or storm water discharge-related activities. Any information on whether listed species or critical habitat are found in proximity to the construction site must be included in the SWPPP. Any terms or conditions that are imposed under the eligibility requirements of Part I.B.3.e and Addendum A of this permit to protect listed species or critical habitat from storm water discharges or storm water discharge-related activity must be incorporated into the SWPPP. Permittees must implement the applicable provisions of the SWPPP required under this part as a condition of this permit.

A. Deadlines for Plan Preparation and Compliance

The storm water pollution prevention plan shall:

1. Be completed prior to the submittal of an NOI to be covered under this permit (except as provided in Parts II.A.5 and II.A.6) updated as appropriate; and

2. Provide for compliance with the terms and schedule of the SWPPP beginning with the initiation of construction activities.

B. Signature, Plan Review and Making Plans Available

1. The SWPPP shall be signed in accordance with Part VI.G, and be retained on-site at the facility which generates the storm water discharge in accordance with Part V (Retention of Records) of this permit.

2. The permittee shall post a notice near the main entrance of the construction site with the following information:

a. The NPDES permit number for the project or a copy of the NOI if a permit number has not yet been assigned;

b. The name and telephone number of a local contact person;

c. A brief description of the project; and

d. The location of the SWPPP if the site is inactive or does not have an on-site location to store the plan.

If posting this information near a main entrance is infeasible due to safety concerns, the notice shall be posted in a local public building. If the construction project is a linear construction project (e.g., pipeline, highway, etc.), the notice must be placed in a publicly accessible location near where construction is actively underway and moved as necessary. This permit does not provide the public with any right to trespass on a construction site for any reason, including inspection of a site; nor does this permit require that permittees allow members of the public access to a construction site.

3. The permittee shall make SWPPPs available upon request to the Director, a State, Tribal or local agency approving sediment and erosion plans, grading plans, or storm water management plans; local government officials; or the operator of a municipal separate storm sewer receiving discharges from the site. The copy of the SWPPP that is required to be kept on-site or locally available must be made available to the Director for review at the time of an on-site inspection. Also, in the interest of public involvement, EPA encourages permittees to make their SWPPPs available to the public for viewing during normal business hours.

4. The Director may notify the permittee at any time that the SWPPP does not meet one or more of the minimum requirements of this Part. Such notification shall identify those provision of this permit which are not being met by the SWPPP as well as those requiring modification in order to meet the minimum requirements of this Part. Within seven (7) calendar days of receipt of such notification from the Director (or as otherwise provided by the Director), the permittee shall make the required changes to the SWPPP and shall submit to the Director a written certification that the requested changes have been made. The Director may take appropriate enforcement action for the period of time the permittee was operating under a plan that did not meet the minimum requirements of this permit.

C. Keeping Plans Current

The permittee must amend the storm water pollution prevention plan whenever:

1. There is a change in design, construction, operation, or maintenance which has a significant effect on the discharge of pollutants to the waters of the United States which has not been addressed in the SWPPP; or

2. Inspections or investigations by site operators, local, State, Tribal or Federal officials indicate the SWPPP is proving ineffective in eliminating or significantly minimizing pollutants from sources identified under Part IV.D.1 of this permit, or is otherwise not achieving the general objectives of controlling pollutants in storm water discharges associated with construction activity.

D. Contents of Plan

The storm water pollution prevention plan (SWPPP) shall include the following items:

1. Site Description

Each SWPPP shall provide a description of potential pollutant sources and other information as indicated below:

a. A description of the nature of the construction activity;

b. A description of the intended sequence of major activities which disturb soils for major portions of the site (e.g., grubbing, excavation, grading, utilities and infrastructure installation);

c. Estimates of the total area of the site and the total area of the site that is

expected to be disturbed by excavation, grading, or other activities including off-site borrow and fill areas;

d. An estimate of the runoff coefficient of the site for both the pre-construction and post-construction conditions and data describing the soil or the quality of any discharge from the site;

e. A general location map (e.g., a portion of a city or county map) and a site map indicating the following: drainage patterns and approximate slopes anticipated after major grading activities; areas of soil disturbance; areas which will not be disturbed; locations of major structural and nonstructural controls identified in the SWPPP; locations where stabilization practices are expected to occur; locations of off-site material, waste, borrow or equipment storage areas; surface waters (including wetlands); and locations where storm water discharges to a surface water;

f. Location and description of any discharge associated with industrial activity other than construction, including storm water discharges from dedicated asphalt plants and dedicated concrete plants, which is covered by this permit;

g. The name of the receiving water(s) and the areal extent and description of wetland or other special aquatic sites (as described under 40 CFR 230.3(q-1)) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project;

h. A copy of the permit requirements (attaching a copy of this permit is acceptable);

i. Information on whether listed endangered or threatened species, or critical habitat, are found in proximity to the construction activity and whether such species may be affected by the applicant's storm water discharges or storm water discharge-related activities; and

j. Information on whether storm water discharges or storm water discharge-related activities would have an affect on a property that is listed or eligible for listing on the National Register of Historic Places; where effects may occur, any written agreements with the State Historic Preservation Officer, Tribal Historic Preservation Officer, or other Tribal leader to mitigate those effects.

2. Controls

Each SWPPP shall include a description of appropriate control measures (i.e., BMPs) that will be implemented as part of the construction activity to control pollutants in storm water discharges. The SWPPP must clearly describe for each major activity identified in Part IV.D.1.b: (a) appropriate control measures and the general timing (or sequence) during the construction process that the measures will be implemented; and (b) which permittee is responsible for implementation (e.g., perimeter controls for one portion of the site will be installed by Contractor A after the clearing and grubbing necessary for installation of the measure, but before the clearing and grubbing for the remaining portions of the site; and perimeter controls will be actively maintained by Contractor B until final stabilization of those portions of the site up-gradient of the perimeter control; and temporary perimeter controls will be removed by the owner after final stabilization). The description and implementation of control measures shall address the following minimum components:

a. *Erosion and Sediment Controls.*

(1) Short and Long Term Goals and Criteria:

(a) The construction-phase erosion and sediment controls should be designed to retain sediment on site to the extent practicable.

(b) All control measures must be properly selected, installed, and maintained in accordance with the manufacturers specifications and good engineering practices. If periodic inspections or other information indicates a control has been used inappropriately, or incorrectly, the permittee must replace or modify the control for site situations.

(c) If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts (e.g., fugitive sediment in street could be washed into storm sewers by the next rain and/or pose a safety hazard to users of public streets).

(d) Sediment must be removed from sediment traps or sedimentation ponds when design capacity has been reduced by 50%.

(e) Litter, construction debris, and construction chemicals exposed to storm water shall be prevented from becoming a pollutant source for storm water discharges (e.g., screening outfalls, picked up daily).

(f) Offsite material storage areas (also including overburden and stockpiles of dirt, borrow areas, etc.) used solely by the permitted project are considered a part of the project and shall be addressed in the SWPPP.

(2) *Stabilization Practices:* The SWPPP must include a description of interim and permanent stabilization practices for the site, including a schedule of when the practices will be implemented. Site plans should ensure that existing vegetation is preserved where attainable and that disturbed portions of the site are stabilized. Stabilization practices may include but are not limited to: establishment of temporary vegetation, establishment of permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Use of impervious surfaces for stabilization should be avoided.

The following records shall be maintained and attached to the SWPPP: the dates when major grading activities occur; the dates when construction activities temporarily or permanently cease on a portion of the site; and the dates when stabilization measures are initiated.

Except as provided in Parts IV.D.2.a.(2)(a), (b), and (c) below, stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased.

(a) Where the initiation of stabilization measures by the 14th day after construction activity temporary or permanently cease is precluded by snow cover or frozen ground conditions, stabilization measures shall be initiated as soon as practicable.

(b) Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will be resumed within 21 days, temporary stabilization measures do not have to be initiated on that portion of site.

(c) In arid areas (areas with an average annual rainfall of 0 to 10 inches), semi-arid areas (areas with an average annual rainfall of 10 to 20 inches), and areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonal arid conditions, stabilization measures shall be initiated as soon as practicable.

(3) *Structural Practices:* The SWPPP must include a description of structural practices to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site to the degree attainable. Structural practices may include but are not limited to: silt fences, earth dikes, drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection,

rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. Placement of structural practices in floodplains should be avoided to the degree attainable. The installation of these devices may be subject to section 404 of the CWA.

(a) For common drainage locations that serve an area with ten (10) or more acres disturbed at one time, a temporary (or permanent) sediment basin that provides storage for a calculated volume of runoff from a 2 year, 24 hour storm from each disturbed acre drained, or equivalent control measures, shall be provided where attainable until final stabilization of the site. Where no such calculation has been performed, a temporary (or permanent) sediment basin providing 3,600 cubic feet of storage per acre drained, or equivalent control measures, shall be provided where attainable until final stabilization of the site. When computing the number of acres draining into a common location it is not necessary to include flows from offsite areas and flows from onsite areas that are either undisturbed or have undergone final stabilization where such flows are diverted around both the disturbed area and the sediment basin.

In determining whether installing a sediment basin is attainable, the permittee may consider factors such as site soils, slope, available area on site, etc. In any event, the permittee must consider public safety, especially as it relates to children, as a design factor for the sediment basin and alternative sediment controls shall be used where site limitations would preclude a safe design. For drainage locations which serve ten (10) or more disturbed acres at one time and where a temporary sediment basin or equivalent controls is not attainable, smaller sediment basins and/or sediment traps should be used. Where neither the sediment basin nor equivalent controls are attainable due to site limitations, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries of the construction area and for those side slope boundaries deemed appropriate as dictated by individual site conditions. EPA encourages the use of a combination of sediment and erosion control measures in order to achieve maximum pollutant removal.

(b) For drainage locations serving less than 10 acres, smaller sediment basins and/or sediment traps should be used. At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries (and for those side slope boundaries deemed appropriate as dictated by individual site conditions) of the construction area unless a sediment basin providing storage for a calculated volume of runoff from a 2 year, 24 hour storm or 3,600 cubic feet of storage per acre drained is provided. EPA encourages the use of a combination of sediment and erosion control measures in order to achieve maximum pollutant removal.

b. *Storm Water Management.* A description of measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed must be included in the SWPPP. Structural measures should be placed on upland soils to the degree attainable. The installation of these devices may also require a separate permit under section 404 of the CWA. Permittees are only responsible for the installation and maintenance of storm water management measures prior to final stabilization of the site, and are not responsible for maintenance after storm water discharges associated with construction activity have been eliminated from the site. However, post-construction storm water BMPs that discharge pollutants from point sources once construction is completed may, in themselves, need authorization under a separate NPDES permit.

(1) Such practices may include but are not limited to: storm water detention structures (including wet ponds); storm water retention structures; flow attenuation by use of open vegetated swales and natural depressions; infiltration of runoff onsite; and sequential systems (which combine several practices). The SWPPP shall include an explanation of the technical basis used to select the practices to control pollution where flows exceed predevelopment levels.

(2) Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel to provide a non-erosive flow velocity from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., no significant changes in the hydrological regime of the receiving water).

c. *Other Controls.*

(1) No solid materials, including building materials, shall be discharged to waters of the United States, except as authorized by a permit issued under section 404 of the CWA.

(2) Off-site vehicle tracking of sediments and the generation of dust shall be minimized.

(3) The SWPPP shall be consistent with applicable State, Tribal and/or local waste disposal, sanitary sewer or septic system regulations to the extent these are located within the permitted area.

(4) The SWPPP shall include a description of construction and waste materials expected to be stored on-site with updates as appropriate. The SWPPP shall also include a description of controls to reduce pollutants from these materials including storage practices to minimize exposure of the materials to storm water, and spill prevention and response.

(5) The SWPPP shall include a description of pollutant sources from areas other than construction (including storm water discharges from dedicated asphalt plants and dedicated concrete plants), and a description of controls and measures that will be implemented at those sites to minimize pollutant discharges.

(6) The SWPPP shall include a description of measures necessary to protect listed endangered or threatened species, or critical habitat, including any terms or conditions that are imposed under the eligibility requirements of Part I.B.3.e(4) of this permit. Failure to describe and implement such measures will result in storm water discharges from construction activities that are ineligible for coverage under this permit.

d. *Approved State, Tribal or Local Plans.*

(1) Permittees which discharge storm water associated with construction activities must ensure their storm water pollution prevention plan is consistent with requirements specified in applicable sediment and erosion site plans or site permits, or storm water management site plans or site permits approved by State, Tribal or local officials.

(2) Storm water pollution prevention plans must be updated as necessary to remain consistent with any changes applicable to protecting surface water resources in sediment and erosion site plans or site permits, or storm water management site plans or site permits approved by State, Tribal or local officials for which the permittee receives written notice.

3. Maintenance

All erosion and sediment control measures and other protective measures identified in the SWPPP must be maintained in effective operating condition. If site inspections required by Part IV.D.4. identify BMPs that are not operating effectively, maintenance shall be performed before the next anticipated storm event, or as necessary to maintain the continued effectiveness of storm

water controls. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable.

4. Inspections

Qualified personnel (provided by the permittee or cooperatively by multiple permittees) shall inspect disturbed areas of the construction site that have not been finally stabilized, areas used for storage of materials that are exposed to precipitation, structural control measures, and locations where vehicles enter or exit the site, at least once every fourteen (14) calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.

Where sites have been finally or temporarily stabilized, runoff is unlikely due to winter conditions (e.g., site is covered with snow, ice, or frozen ground exists), or during seasonal arid periods in arid areas (areas with an average annual rainfall of 0 to 10 inches) and semi-arid areas (areas with an average annual rainfall of 10 to 20 inches) such inspections shall be conducted at least once every month.

Permittees are eligible for a waiver of monthly inspection requirements until one month before thawing conditions are expected to result in a discharge if all of the following requirements are met: (1) the project is located in an area where frozen conditions are anticipated to continue for extended periods of time (i.e., more than one month); (2) land disturbance activities have been suspended; and (3) the beginning and ending dates of the waiver period are documented in the SWPPP.

a. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Sediment and erosion control measures identified in the SWPPP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Where discharge locations are inaccessible, nearby downstream locations shall be inspected to the extent that such inspections are practicable. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

b. Based on the results of the inspection, the SWPPP shall be modified as necessary (e.g., show additional controls on map required by Part IV.D.1; revise description of controls required by Part IV.D.2) to include additional or modified BMPs designed to correct problems identified. Revisions to the SWPPP shall be completed within 7 calendar days following the inspection. If existing BMPs need to be modified or if additional BMPs are necessary, implementation shall be completed before the next anticipated storm event. If implementation before the next anticipated storm event is impracticable, they shall be implemented as soon as practicable.

c. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, and major observations relating to the implementation of the SWPPP shall be made and retained as part of the SWPPP for at least three years from the date that the site is finally stabilized. Major observations should include: the location(s) of discharges of sediment or other pollutants from the site; location(s) of BMPs that need to be maintained; location(s) of BMPs that failed to operate as designed or proved inadequate for a particular location; and location(s) where additional BMPs are needed that did not exist at the time of inspection. Actions taken in accordance with Part IV.D.4.b of this permit shall be made and retained as part of the storm water pollution prevention plan for at least three years from the date that the site is finally stabilized. Such reports shall identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report shall contain a certification that the facility is in compliance with the storm water pollution prevention plan and this permit. The report shall be signed in accordance with Part VI.G of this permit.

5. Non-Storm Water Discharges

Except for flows from fire fighting activities, sources of non-storm water listed in Part III.A.2 or 3 of this permit that are combined with storm water discharges associated with construction activity must be identified in the SWPPP. The SWPPP shall identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

Part V. Retention of Records

A. Documents

The permittee shall retain copies of storm water pollution prevention plans and all reports required by this permit, and records of all data used to complete the Notice of Intent to be covered by this permit, for a period of at least three years from the date that the site is finally stabilized. This period may be extended by request of the Director at any time.

B. Accessibility

The permittee shall retain a copy of the storm water pollution prevention plan required by this permit (including a copy of the permit language) at the construction site (or other local location accessible to the Director, a State, Tribal or local agency approving sediment and erosion plans, grading plans, or storm water management plans; local government officials; or the operator of a municipal separate storm sewer receiving discharges from the site) from the date of project initiation to the date of final stabilization. Permittees with day-to-day operational control over SWPPP implementation shall have a copy of the SWPPP available at a central location on-site for the use of all operators and those identified as having responsibilities under the SWPPP whenever they are on the construction site.

C. Addresses

Except for the submittal of NOIs and NOTs (see Parts II.C and VIII.B, respectively), all written correspondence concerning discharges in any State, Indian Country land or from any Federal facility covered under this permit and directed to the EPA, including the submittal of individual permit applications, shall be sent to the address listed below: United States EPA, Region 6, Storm Water Staff, Enforcement and Compliance Assurance Division (GEN-WC), EPA SW Construction GP, P.O. Box 50625, Dallas, TX 75205.

Part VI. Standard Permit Conditions

A. Duty To Comply

1. The Permittee Must Comply With All Conditions of This Permit

Any permit noncompliance constitutes a violation of CWA and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

2. Penalties for Violations of Permit Conditions

The Director will adjust the civil and administrative penalties listed below in accordance with the Civil Monetary Penalty Inflation Adjustment Rule (**Federal Register**: December 31, 1996, Volume 61, Number 252, pages 69359–69366, as corrected, March 20, 1997, Volume 62, Number 54, pages 13514–

13517) as mandated by the Debt Collection Improvement Act of 1996 for inflation on a periodic basis. This rule allows EPA's penalties to keep pace with inflation. The Agency is required to review its penalties at least once every four years thereafter and to adjust them as necessary for inflation according to a specified formula. The civil and administrative penalties listed below were adjusted for inflation starting in 1996.

a. *Criminal.*

(1) Negligent Violations. The CWA provides that any person who negligently violates permit conditions implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Act is subject to a fine of not less than $2,500 nor more than $25,000 per day of violation, or by imprisonment for not more than 1 year, or both.

(2) Knowing Violations. The CWA provides that any person who knowingly violates permit conditions implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Act is subject to a fine of not less than $5,000 nor more than $50,000 per day of violation, or by imprisonment for not more than 3 years, or both.

(3) Knowing Endangerment. The CWA provides that any person who knowingly violates permit conditions implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Act and who knows at that time that he is placing another person in imminent danger of death or serious bodily injury is subject to a fine of not more than $250,000, or by imprisonment for not more than 15 years, or both.

(4) False Statement. The CWA provides that any person who knowingly makes any false material statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under the Act or who knowingly falsifies, tampers with, or renders inaccurate, any monitoring device or method required to be maintained under the Act, shall upon conviction, be punished by a fine of not more than $10,000 or by imprisonment for not more than two years, or by both. If a conviction is for a violation committed after a first conviction of such person under this paragraph, punishment shall be by a fine of not more than $20,000 per day of violation, or by imprisonment of not more than four years, or by both. (See section 309.c.4 of the Clean Water Act).

b. *Civil Penalties.* The CWA provides that any person who violates a permit condition implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Act is subject to a civil penalty not to exceed $27,500 per day for each violation.

c. *Administrative Penalties.* The CWA provides that any person who violates a permit condition implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Act is subject to an administrative penalty, as follows:

(1) *Class I Penalty.* Not to exceed $11,000 per violation nor shall the maximum amount exceed $27,500.

(2) *Class II Penalty.* Not to exceed $11,000 per day for each day during which the violation continues, nor shall the maximum amount exceed $137,500.

B. Continuation of the Expired General Permit

If this permit is not reissued or replaced prior to the expiration date, it will be administratively continued in accordance with the Administrative Procedures Act and remain in force and effect. Any permittee who was granted permit coverage prior to the expiration date will automatically remain covered by the continued permit until the *earlier* of:

1. Reissuance or replacement of this permit, at which time the permittee must comply with the Notice of Intent conditions of the new permit to maintain authorization to discharge; or

2. The permittee's submittal of a Notice of Termination; or

3. Issuance of an individual permit for the permittee's discharges; or

4. A formal permit decision by the Director not to reissue this general permit, at which time the permittee must seek coverage under an alternative general permit or an individual permit.

C. Need To Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

D. Duty To Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

E. Duty To Provide Information

The permittee shall furnish to the Director or an authorized representative of the Director any information which is requested to determine compliance with this permit or other information.

F. Other Information

When the permittee becomes aware that he or she failed to submit any relevant facts or submitted incorrect information in the Notice of Intent or in any other report to the Director, he or she shall promptly submit such facts or information.

G. Signatory Requirements

All Notices of Intent, Notices of Termination, storm water pollution prevention plans, reports, certifications or information either submitted to the Director or the operator of a large or medium municipal separate storm sewer system, or that this permit requires be maintained by the permittee, shall be signed as follows:

1. All Notices of Intent and Notices of Termination shall be signed as follows:

a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25,000,000 (in second-quarter 1980 dollars) if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

c. For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

2. All reports required by this permit and other information requested by the Director or authorized representative of the Director shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

a. The authorization is made in writing by a person described above and submitted to the Director.

b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility or an

individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position).

c. *Changes to Authorization.* If an authorization under Part II.B is no longer accurate because a different operator has responsibility for the overall operation of the construction site, a new Notice of Intent satisfying the requirements of Part II.B must be submitted to the Director prior to or together with any reports, information, or applications to be signed by an authorized representative. The change in authorization must be submitted within the time frame specified in Part II.A.3, and sent to the address specified in Part II.C.

d. *Certification.* Any person signing documents under Part VI.G shall make the following 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 assure that qualified personnel properly gathered and evaluated 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."

H. Penalties for Falsification of Reports

Section 309(c)(4) of the Clean Water Act provides that any person who knowingly makes any false material statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $10,000, or by imprisonment for not more than two years, or by both.

I. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under section 311 of the CWA or section 106 of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA).

J. Property Rights

The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

K. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

L. Requiring an Individual Permit or an Alternative General Permit

1. The Director may require any person authorized by this permit to apply for and/or obtain either an individual NPDES permit or an alternative NPDES general permit. Any interested person may petition the Director to take action under this paragraph. Where the Director requires a permittee authorized to discharge under this permit to apply for an individual NPDES permit, the Director shall notify the permittee in writing that a permit application is required. This notification shall include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for the permittee to file the application, and a statement that on the effective date of issuance or denial of the individual NPDES permit or the alternative general permit as it applies to the individual permittee, coverage under this general permit shall automatically terminate. Applications shall be submitted to the appropriate Regional Office indicated in Part V.C of this permit. The Director may grant additional time to submit the application upon request of the applicant. If a permittee fails to submit in a timely manner an individual NPDES permit application as required by the Director under this paragraph, then the applicability of this permit to the individual NPDES permittee is automatically terminated at the end of the day specified by the Director for application submittal.

2. Any permittee authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual permit. In such cases, the permittee shall submit an individual application in accordance with the requirements of 40 CFR 122.26(c)(1)(ii), with reasons supporting the request, to the Director at the address for the appropriate Regional Office indicated in Part V.C of this permit. The request may be granted by issuance of any individual permit or an alternative general permit if the reasons cited by the permittee are adequate to support the request.

3. When an individual NPDES permit is issued to a permittee otherwise subject to this permit, or the permittee is authorized to discharge under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the effective date of the individual permit or the date of authorization of coverage under the alternative general permit, whichever the case may be. When an individual NPDES permit is denied to an owner or operator otherwise subject to this permit, or the owner or operator is denied for coverage under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the date of such denial, unless otherwise specified by the Director.

M. State/Tribal Environmental Laws

1. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State/Tribal law or regulation under authority preserved by section 510 of the Act.

2. No condition of this permit shall release the permittee from any responsibility or requirements under other environmental statutes or regulations.

N. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit and with the requirements of storm water pollution prevention plans. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a permittee only when necessary to achieve compliance with the conditions of this permit.

O. Inspection and Entry

The permittee shall allow the Director or an authorized representative of EPA, the State/Tribe, or, in the case of a construction site which discharges

through a municipal separate storm sewer, an authorized representative of the municipal owner/operator or the separate storm sewer receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;

2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit; and

3. Inspect at reasonable times any facilities or equipment (including monitoring and control equipment).

P. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Part VII. Reopener Clause

A. If there is evidence indicating that the storm water discharges authorized by this permit cause, have the reasonable potential to cause or contribute to, a violation of a water quality standard, the permittee may be required to obtain an individual permit or an alternative general permit in accordance with Part I.C of this permit, or the permit may be modified to include different limitations and/or requirements.

B. Permit modification or revocation will be conducted according to 40 CFR 122.62, 122.63, 122.64 and 124.5.

C. EPA may propose a modification to this permit after further discussions between the Agency and the Advisory Council on Historic Preservation for the protection of historic properties.

Part VIII. Termination of Coverage

A. Notice of Termination

Permittees must submit a completed Notice of Termination (NOT) that is signed in accordance with Part VI.G of this permit when one or more of the conditions contained in Part I.D.2. (Terminating Coverage) have been met at a construction project. The NOT form found in Addendum D will be used unless it has been replaced by a revised version by the Director. The Notice of Termination shall include the following information:

1. The NPDES permit number for the storm water discharge identified by the Notice of Termination;

2. An indication of whether the storm water discharges associated with construction activity have been eliminated (i.e., regulated discharges of storm water are being terminated) or the permittee is no longer an operator at the site;

3. The name, address and telephone number of the permittee submitting the Notice of Termination;

4. The name of the project and street address (or a description of location if no street address is available) of the construction site for which the notification is submitted;

5. The latitude and longitude of the construction site; and

6. The following certification, signed in accordance with Part VI.G (signatory requirements) of this permit. For construction projects with more than one permittee and/or operator, the permittee need only make this certification for those portions of the construction site where the permittee was authorized under this permit and not for areas where the permittee was not an operator:

"I certify under penalty of law that all storm water discharges associated with industrial activity from the identified facility that authorized by a general permit have been eliminated or that I am no longer the operator of the facility or construction site. I understand that by submitting this notice of termination, I am no longer authorized to discharge storm water associated with industrial activity under this general permit, and that discharging pollutants in storm water associated with industrial activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this Notice of Termination does not release an operator from liability for any violations of this permit or the Clean Water Act."

For the purposes of this certification, elimination of storm water discharges associated with construction activity means that all disturbed soils at the portion of the construction site where the operator had control have been finally stabilized (as defined in Part IX.I) and temporary erosion and sediment control measures have been removed or will be removed at an appropriate time to ensure final stabilization is maintained, or that all storm water discharges associated with construction activities from the identified site that are authorized by a NPDES general permit have otherwise been eliminated from the portion of the construction site where the operator had control.

B. Addresses

1. All Notices of Termination, signed in accordance with Part VI.G of this permit, are to be submitted using the form provided by the Director (or a photocopy thereof), to the address specified on the NOT form.

Part IX. Definitions

A. *Best Management Practices* ("BMPs") means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants to waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

B. *Control Measure* as used in this permit, refers to any Best Management Practice or other method used to prevent or reduce the discharge of pollutants to waters of the United States.

C. *Commencement of Construction* the initial disturbance of soils associated with clearing, grading, or excavating activities or other construction activities.

D. *CWA* means the Clean Water Act or the Federal Water Pollution Control Act, 33 U.S.C. § 1251 *et seq.*

E. *Director* means the Regional Administrator of the Environmental Protection Agency or an authorized representative.

F. *Discharge* when used without qualification means the "discharge of a pollutant."

G. *Discharge of Storm Water Associated With Construction Activity* as used in this permit, refers to a discharge of pollutants in storm water runoff from areas where soil disturbing activities (e.g., clearing, grading, or excavation), construction materials or equipment storage or maintenance (e.g., fill piles, borrow areas, concrete truck washout, fueling), or other industrial storm water directly related to the construction process (e.g., concrete or asphalt batch plants) are located.

H. *Facility or Activity* means any NPDES "point source" or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under the NPDES program.

I. *Final Stabilization* means that either:

1. All soil disturbing activities at the site have been completed and a uniform (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of 70% of the native background vegetative cover for the area

has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed. In some parts of the country, background native vegetation will cover less than 100% of the ground (e.g., arid areas, beaches). Establishing at least 70% of the natural cover of native vegetation meets the vegetative cover criteria for final stabilization (e.g., if the native vegetation covers 50% of the ground, 70% of 50% would require 35% total cover for final stabilization; on a beach with no natural vegetation, no stabilization is required); or

2. For individual lots in residential construction by either: (a) the homebuilder completing final stabilization as specified above, or (b) the homebuilder establishing temporary stabilization including perimeter controls for an individual lot prior to occupation of the home by the homeowner and informing the homeowner of the need for, and benefits of, final stabilization. (Homeowners typically have an incentive to put in landscaping functionally equivalent to final stabilization as quick as possible to keep mud out of their homes and off their sidewalks and driveways.); or

3. For construction projects on land used for agricultural purposes (e.g., pipelines across crop or range land), final stabilization may be accomplished by returning the disturbed land to its preconstruction agricultural use. Areas disturbed that were not previously used for agricultural activities, such as buffer strips immediately adjacent to "waters of the United States," and areas which are not being returned to their preconstruction agricultural use must meet the final stabilization criteria in (1) or (2) above.

J. *Flow-Weighted Composite Sample* means a composite sample consisting of a mixture of aliquots collected at a constant time interval, where the volume of each aliquot is proportional to the flow rate of the discharge.

K. *Large and Medium Municipal Separate Storm Sewer System* means all municipal separate storm sewers that are either:

1. Located in an incorporated place (city) with a population of 100,000 or more as determined by the latest Decennial Census by the Bureau of Census (these cities are listed in Appendices F and G of 40 CFR 122); or

2. Located in the counties with unincorporated urbanized populations of 100,000 or more, except municipal separate storm sewers that are located in the incorporated places, townships or towns within such counties (these counties are listed in Appendices H and I of 40 CFR 122); or

3. Owned or operated by a municipality other than those described in paragraph (i) or (ii) and that are designated by the Director as part of the large or medium municipal separate storm sewer system.

L. *NOI* means Notice of Intent to be covered by this permit (see Part II of this permit).

M. *NOT* means Notice of Termination (see Part VIII of this permit).

N. *Operator* for the purpose of this permit and in the context of storm water associated with construction activity, means any party associated with a construction project that meets either of the following two criteria:

1. The party has operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications; or

2. The party has day-to-day operational control of those activities at a project which are necessary to ensure compliance with a storm water pollution prevention plan for the site or other permit conditions (e.g., they are authorized to direct workers at a site to carry out activities required by the SWPPP or comply with other permit conditions).

This definition is provided to inform permittees of EPA's interpretation of how the regulatory definitions of "owner or operator" and "facility or activity" are applied to discharges of storm water associated with construction activity.

O. *Owner or operator* means the owner or operator of any "facility or activity" subject to regulation under the NPDES program.

P. *Point Source* means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

Q. *Pollutant* is defined at 40 CFR 122.2. A partial listing from this definition includes: dredged spoil, solid waste, sewage, garbage, sewage sludge, chemical wastes, biological materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial or municipal waste.

R. *Runoff coefficient* means the fraction of total rainfall that will appear at the conveyance as runoff.

S. *Storm Water* means storm water runoff, snow melt runoff, and surface runoff and drainage.

T. *Storm Water Associated With Industrial Activity* is defined at 40 CFR 122.26(b)(14) and incorporated here by reference. Most relevant to this permit is 40 CFR 122.26(b)(14)(x), which relates to construction activity including clearing, grading and excavation activities that result in the disturbance of five (5) or more acres of total land area, or are part of a larger common plan of development or sale.

U. *Waters of the United States* means:

1. All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;

2. All interstate waters, including interstate "wetlands";

3. All other waters such as interstate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any such waters:

a. Which are or could be used by interstate or foreign travelers for recreational or other purposes;

b. From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or

c. Which are used or could be used for industrial purposes by industries in interstate commerce;

4. All impoundments of waters otherwise defined as waters of the United States under this definition;

5. Tributaries of waters identified in paragraphs (a) through (d) of this definition;

6. The territorial sea; and

7. Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs 1. through 6. of this definition.

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of the CWA (other than cooling ponds for steam electric generation stations per 40 CFR 423 which also meet the criteria of this definition) are not waters of the United States. Waters of the United States do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted cropland by any other federal agency, for the purposes of the Clean Water Act, the final authority regarding Clean

Water Act jurisdiction remains with EPA.

Part X. Permit Conditions Applicable to Specific States and Indian Country Lands

The provisions of this Part provide additions to the applicable conditions of Parts I through IX of this permit to reflect specific additional conditions required as part of the State or Tribal CWA Section 401 certification process. The additional revisions and requirements listed below are set forth in connection with, and only apply to, the following States and Indian Country lands.

1. LAR10##I: Indian Country Lands in the State of Louisiana*

No additional requirements.

2. NMR10###: The State of New Mexico, Except Indian Country Lands*

No additional requirements.

3. NMR10##I: Indian Country Lands in the State of New Mexico, Except Navajo Reservation Lands (see Region 9) and Ute Mountain Reservation Lands (see Region 8)*

a. *Pueblo of Isleta.* Copies of Notices of Intent (NOI), Notices of Termination (NOT), and Storm Water Pollution Prevention Plans (SWPPPs) must be submitted to the Pueblo of Isleta's Environment Department, Water Quality Program.

(1) Part II.C.2 of the permit is added as follows:

Special NOI Requirements for the Pueblo of Isleta. NOIs shall also be submitted to the Pueblo of Isleta's Environment Department, Water Quality Program, concurrently with their submission to EPA at the following address: Isleta Environment Department, Water Quality Program, Pueblo of Isleta, PO Box 1270, Isleta, New Mexico 87022.

(2) Part VIII.B.2 is added to the permit as follows:

Special NOI Requirements for the Pueblo of Isleta. NOTs shall also be submitted to the Pueblo of Isleta's Environment Department, Water Quality Program, concurrently with their submission to EPA. NOTs are to be sent to the address given in Part II.C.2.

(3) Part IV.A.3 is added to the permit as follows:

Special Storm Water Pollution Prevention Plan Requirements for the Pueblo of Isleta. Storm water pollution prevention plans must be submitted to the Pueblo of Isleta Environment Department, Water Quality Program, ten working days prior to commencing the project on Pueblo of Isleta tribal lands. SWPPPs are to be sent to the address given in Part II.C.2.

b. *Pueblo of Nambe.* Copies of Notices of Intent (NOI), Notices of Termination (NOT), and Storm Water Pollution Prevention Plans (SWPPPs) must be submitted to the Pueblo of Nambe Department of Environment and Natural Resources.

(1) Part II.C.2 is added to the permit as follows:

Special NOI Requirements for the Pueblo of Nambe. NOIs shall also be submitted to the Pueblo of Nambe Department of Environment and Natural Resources at the same time they are submitted to EPA at the following address: Pueblo of Nambe, Department of Environment and Natural Resources, Route 1 Box 11788, Santa Fe, New Mexico 87501, Phone (505) 455–2036, Fax (505) 455–2038.

(2) Part VIII.B.2 is added to the permit as follows:

Special NOT Requirements for the Pueblo of Nambe. NOTs shall also be submitted to the Pueblo of Nambe Department of Environment and Natural Resources at the same time they are submitted to EPA. NOTs are to be sent to the address given in Part II.C.2.

(3) Part IV.A.3 is added to the permit as follows:

Special Storm Water Pollution Prevention Plan Requirements for the Pueblo of Nambe. Storm water pollution prevention plans must be submitted to the Pueblo of Nambe Department of Environment and Natural Resources before the project on Pueblo of Nambe tribal lands begins. SWPPPs are to be sent to the address given in Part II.C.2.

c. *Pueblo of Picuris.* Copies of Notices of Intent (NOI), Notices of Termination (NOT), and Storm Water Pollution Prevention Plans (SWPPPs) must be submitted to the Pueblo of Picuris Environment Department.

(1) Part II.C.2 is added to the permit as follows:

Special NOI Requirements for the Pueblo of Picuris. NOIs shall also be submitted to the Pueblo of Picuris Environment Department at the same time they are submitted to EPA at the following address: Pueblo of Picuris, Environment Department, P.O. Box 127, Penasco, New Mexico 87553, Phone (505) 587–2519, Fax (505) 587–1071.

(2) Part VIII.B.2 is added to the permit as follows:

Special NOT Requirements for the Pueblo of Picuris. NOTs shall also be submitted to the Pueblo of Picuris Environment Department at the same time they are submitted to EPA. NOTs are to be sent to the address given in Part II.C.2.

(3) Part IV.A.3 is added to the permit as follows:

Special Storm Water Pollution Prevention Plan Requirements for the Pueblo of Picuris. Storm water pollution prevention plans must be submitted to the Picuris Environment Department before the project on Pueblo of Picuris tribal lands begins. SWPPPs are to be sent to the address given in Part II.C.2.

d. *Pueblo of Pojoaque.* Copies of Notices of Intent (NOI), Notices of Termination (NOT), and Storm Water Pollution Prevention Plans (SWPPPs) must be submitted to the Pueblo of Pojoaque Environment Department Director.

(1) Part II.C.2 is added to the permit as follows:

Special NOI Requirements for the Pueblo of Pojoaque. NOIs shall also be submitted to the Pueblo of Pojoaque Environment Department Director at the same time they are submitted to EPA at the following address: Pueblo of Pojoaque, Environment Department, Route 11, P.O. Box 208, Santa Fe, New Mexico 87501, Phone (505) 455–3383, Fax (505) 455–3633.

(2) Part VIII.B.2 of the permit is added as follows:

Special NOT Requirements for the Pueblo of Pojoaque. NOTs shall also be submitted to the Pueblo of Pojoaque Environment Department Director at the same time they are submitted to EPA. NOTs are to be sent to the address given in Part II.C.2.

(3) Part IV.A.3 is added to the permit as follows:

Special Storm Water Pollution Prevention Plan Requirements for the Pueblo of Pojoaque. Storm water pollution prevention plans must be submitted to the Pueblo of Pojoaque Environment Department Director before the project on Pueblo of Pojoaque tribal lands begins. SWPPPs are to be sent to the address given in Part II.C.2.

e. *Pueblo of San Juan.* No additional requirements.

f. *Pueblo of Sandia.* Copies of Notices of Intent (NOI), Notices of Termination (NOT), and Storm Water Pollution Prevention Plans (SWPPPs) must be submitted to the Pueblo of Sandia Environment Department.

(1) Part II.C.2 of the permit is added as follows:

Special NOI Requirements for the Pueblo of Sandia. NOIs shall also be submitted to the Pueblo of Sandia Environment Department at the same time they are submitted to EPA at the following address: Pueblo of Sandia, Environment Department, Box 6008, Bernalillo, New Mexico 87004, Phone (505) 867–4533; Fax (505) 867–9235.

(2) Part VIII.B.2 is added to the permit as follows:

Special NOT Requirements for the Pueblo of Sandia. NOTs shall also be submitted to the Pueblo of Sandia Environment Department at the same time they are submitted to EPA. NOTs are to be sent to the address given in Part II.C.2.

(3) Part IV.A.3 is added to the permit as follows:

Special Storm Water Pollution Prevention Plan Requirements for the Pueblo of Sandia. Storm water pollution prevention plans must be submitted to the Pueblo of Sandia Environment Department before commencement of the project on Pueblo of Sandia tribal lands. SWPPPs are to be sent to the address given in Part II.C.2.

g. Pueblo of Tesuque. Copies of Notices of Intent (NOI), Notices of Termination (NOT), Storm Water Pollution Prevention Plans (SWPPPs), inspection reports, all certifications and "other information" must be submitted, by hand delivery or certified mail, to the Pueblo of Tesuque.

(1) Part II.C.2 of the permit is added as follows:

Special NOI Requirements for the Pueblo of Tesuque. NOIs shall also be submitted to the Pueblo of Tesuque at least five (5) days prior to any ground disturbing activity at the following address: Pueblo of Tesuque, Environment Department, Route 5, Box 3260–T, Santa Fe, New Mexico 87501, Phone (505) 983–2667; Fax (505) 982–2331.

(2) Part VIII.B.2 is added to the permit as follows:

Special NOT Requirements for the Pueblo of Tesuque. NOTs shall also be submitted to the Pueblo of Tesuque at the same time they are submitted to EPA. NOTs are to be sent to the address given in Part II.C.2.

(3) Part IV.A.3 is added to the permit as follows:

Special Storm Water Pollution Prevention Plan Requirements for the Pueblo of Tesuque. Storm water pollution prevention plans must be submitted to the Pueblo of Tesuque at least five (5) days prior to any ground disturbing activity on Pueblo of Tesuque tribal lands. SWPPPs are to be sent to the address given in Part II.C.2.

(4) Part V.D is added to the permit as follows:

Special Reporting Requirements for the Pueblo of Tesuque. Copies of all certifications required by Section IV.D, and copies of "other information" required by Section VI.F shall be provided to the Pueblo of Tesuque, by hand delivery or certified mail. Also, copies of all inspection reports required under Section IV.D.4.c. shall be submitted within five (5) days of completion of the inspection. All information sent to the Pueblo of Tesuque is to be sent to the address given in Part II.C.2.

h. Santa Clara Pueblo. Copies of Notices of Intent (NOI) and Notices of Termination (NOT) must be submitted to the Santa Clara Pueblo Governors Office with a copy to the Office of Environmental Affairs.

(1) Part I.C.4. is added to the permit as follows:

Special Authorization Requirements for the Santa Clara Pueblo. Prior to submitting a Notice of Intent, the operator must obtain permission from the Santa Clara Governors Office to do the construction. If the project is approved by the tribal administration, the operator may proceed with submitting a Notice of Intent (NOI).

(2) Part II.C.2 is added to the permit as follows:

Special NOI Requirements for the Santa Clara Pueblo. NOIs shall also be submitted to the Santa Clara Pueblo Governors Office with a copy to the Office of Environmental Affairs at least two (2) weeks prior to the start of construction at the following address: Santa Clara Governors Office, PO Box 580, Espanola, New Mexico 87532, Phone (505) 753–7326; Fax (505) 753–8988.

(3) Part VIII.B.2 is added to the permit as follows:

Special NOT Requirements for the Santa Clara Pueblo. NOTs shall also be submitted to the Santa Clara Pueblo Governors Office with a copy to the Office of Environmental Affairs at least two (2) weeks prior to the start of construction. NOTs are to be sent to the address given in Part II.C.2.

i. All Other Indian Country lands in New Mexico. No additional requirements.

4. OKR10##I: Indian Country Lands in the State of Oklahoma*

No additional requirements.

5. OKR10##F: Oil and Gas Sites in the State of Oklahoma*

No additional requirements.

6. TXR10###: The State of Texas, Except Indian Country Lands*

a. Part III of the permit is modified as follows: Change the title of Part III. (*Special Conditions, Management Practices, and other Non-Numeric Limitations*) to: *Part III. Special Conditions, Management Practices, and other Limitations.*

b. Part III.G is added to the permit as follows:

Special Numeric Limitations for Discharges from Ready-Mixed Concrete Plants in the State of Texas, except Indian Country lands. All discharges of storm water from ready-mixed concrete plants covered by this permit must comply with the following limitations:

pH—Between 6.0 and 9.0 standard units
Oil and Grease—15 mg/l as a daily maximum
Total Suspended Solids—65 mg/l as a daily maximum

These limitations must be taken into account when designing the storm water control measures to be used for areas draining any ready-mixed concrete plants operated by the permittee.

7. TXR10##I: Indian Country Lands in the State of Texas*

No additional requirements.

Addendum A—Endangered Species

I. Instructions for Applicants

A. Background

To meet its obligations under the Clean Water Act and the Endangered Species Act (ESA) and to promote those Acts' goals, the Environmental Protection Agency (EPA) is seeking to ensure the activities regulated by the Construction General Permit (CGP) are protective of endangered and threatened species and critical habitat. To ensure that those goals are met, applicants for CGP coverage are required under Part I.B.3.e. to assess the impacts of their storm water discharges and storm water discharge-related activities on Federally listed endangered and threatened species ("listed species") and designated critical habitat ("critical habitat") by following Steps One through Six listed below. EPA strongly recommends that applicants follow these steps at the earliest possible stage to ensure that measures to protect listed species and critical habitat are incorporated early in the planning process. At minimum, the procedures should be followed when developing the storm water pollution prevention plan.

Permittees and applicants also have an independent ESA obligation to ensure that their activities do not result in any prohibited "takes" of listed species.[1] Many of the measures required in the CGP and in these instructions to protect species may also assist permittees in ensuring that their construction activities do not result in a prohibited take of species in violation of § 9 of the ESA. Applicants who plan construction activities in areas that harbor endangered and threatened species are advised to ensure that

[1] Section 9 of the ESA prohibits any person from "taking" a listed species (e.g., harassing or harming it) unless: (1) the taking is authorized through a "incidental take statement" as part of undergoing ESA § 7 formal consultation; (2) where an incidental take permit is obtained under ESA § 10 (which requires the development of a habitat conservation plan); or (3) where otherwise authorized or exempted under the ESA. This prohibition applies to all entities including private individuals, businesses, and governments.

they are protected from potential takings liability under ESA § 9 by obtaining either an ESA § 10 permit or by requesting formal consultation under ESA § 7 (as described in more detail in Step Seven below). Applicants who seek protection from takings liability should be aware that it is possible that some specific construction activities may be too unrelated to storm water discharges to be afforded incidental take coverage through an ESA § 7 consultation that is performed to meet the eligibility requirements for CGP coverage. In such instances, applicants should apply for an ESA § 10 permit. Where applicants are not sure whether to pursue a § 10 permit or a § 7 consultation for takings protection, they should confer with the appropriate Fish and Wildlife Service (FWS) or National Marine Fisheries Service (NMFS) office.

This permit provides for the possibility of multiple permittees at a construction site. Applicants should be aware that in many cases they can meet the permit eligibility requirements by relying on another operator's certification of eligibility under Part I.B.3.e.(2)(a), (b), or (c). This is allowed under Part I.B.3.e.(2)(d) of the permit. However, the other operator's certification must apply to the applicant's project area and must address the effects from the applicant's storm water discharges and storm water discharge-related activities on listed species and critical habitat. By certifying eligibility under Part I.B.3.e.(2)(d), the applicant agrees to comply with any measures or controls upon which the other operator's certification under Part I.B.3.e.(2)(a), (b) or (c) was based. This situation will typically occur where a developer or primary contractor, such as one for construction of a subdivision or industrial park, conducts a comprehensive assessment of effects on listed species and critical habitat for the entire construction project, certifies eligibility under Part I.B.3.e.(2)(a), (b) or (c), and that certification is relied upon by other operators (i.e., contractors) at the site. However, applicants that consider relying on another operator's certification should carefully review that certification along with any supporting information. If an applicant does not believe that the operator's certification provides adequate coverage for the applicant's storm water discharges and storm water discharge-related activities or for the applicant's particular project area, the applicant should provide its own independent certification under Part I.B.3.e.(2)(a), (b), or (c).

B. Procedures

To receive coverage under the Construction General Permit, applicants must assess the potential effects of their storm water discharges and storm water discharge-related activities on listed species and their critical habitat. To make this assessment, applicants must follow the steps outlined below prior to completing and submitting Notice of Intent (NOI) form. Applicants who are able to certify eligibility under Parts I.B.3.e.(2)(b), (c) or (d) because of a previously issued ESA § 10 permit, a previously completed ESA § 7 consultation, or because the applicant's activities were already addressed in another operator's certification of eligibility may proceed directly to Step Six.

Note.—The revised NOI form which was included in the CGP (see 62 FR 29822–29823, June 2, 1997) requires that applicants provide detailed certification information on listed species. That form is still under development and is not expected to be finalized before this permit is issued. Until the revised NOI form is finalized, applicants must use the existing NOI form which does not contain the specific certification provisions relating to listed species and critical habitats at construction projects. However, use of the existing NOI form does not relieve applicants of their obligation to follow the procedures listed below to determine if their construction storm water discharges or storm water discharge-related activities meet permit eligibility requirements for the protection of listed species and critical habitat. By following these instructions, applicants will have sufficient information on listed species and critical habitat in order to complete either the existing or revised NOI form and sign the certification statement.

Step One: Determine if the Construction Site Is Found Within Designated Critical Habitat for Listed Species

Some, but not all, listed species have designated critical habitat. Exact locations of such habitat is provided in the Service regulations at 50 CFR Parts 17 and 226. To determine if their construction site occurs within designated critical habitat, applicants should either:

- Contact the nearest Fish and Wildlife Service (FWS) and National Marine Fisheries Service (NMFS) Office. A list of FWS and NMFS offices is found in Section II of this Addendum; or
- Contact the State or Tribal Natural Heritage Centers. These centers compile and disseminate information on Federally listed and other protected species. They frequently have the most current information on listed species and critical habitat. A list of these centers is provided in Section III of this Addendum; or
- Review those regulations (which can be found in many larger libraries).

If the construction site is not located in designated critical habitat, then the applicant does not need to consider impacts to critical habitat when following Steps Two through Six below. If the site is located within critical habitat, then the applicant must look at impacts to critical habitat when following Steps Two through Six. Note that many but not all measures imposed to protect listed species under these steps will also protect critical habitat. Thus, meeting the eligibility requirements of this permit may require measures to protect critical habitat that are separate from those to protect listed species.

Step Two: Determine if Listed Species Are Located in the County(ies) Where the Construction Activity Will Occur

Section IV of the Addendum contains a county-by-county list of listed endangered and threatened species ("listed species"), and proposed endangered and threatened species ("proposed species"). Since the list was current as of September 1, 1997, applicants must also check with other sources for updated species and county information. These sources include: Sections II and III of this Addendum; EPA's Office of Wastewater Management's web page at "http://www.epa.gov/owm" where updates of the county-by-county list will be posted on a periodic basis; **Federal Register** Notices; State wildlife protection offices; a biologist or similar professional in the environmental field; or any other method which can be reasonably expected to provide this information. Applicants with construction projects located in EPA Region 2 and Region 6 can call the Storm Water General Permits Hotline at (800) 245–6510 for further assistance, while applicants with projects located in EPA Regions 1, 3, 7, 8, 9 and 10 may contact the appropriate EPA Regional Office.

Where a facility is located in more than one county, the lists for all counties should be reviewed. Where a facility discharges into a water body which serves as a border between counties or which crosses a county line which is in the immediate vicinity of the point of discharge, applicants should also review the species list for the county which lies immediately downstream or is across the water body from the point of discharge.

After a review of the available information from the sources mentioned above, if no listed species are located in a facility's county or if a facility's county is not listed, and the construction site is not located in critical habitat as described under Step One, an applicant is eligible for CGP coverage without further inquiry into the presence of, or effect to, listed species. The applicant must check the appropriate certification item on the revised NOI form (Part I.B.3.e.(2)(a)).

Once the applicant has determined which listed species are located in his or her facility's county, the applicant must follow Step Three.

Step Three: Determine if any Federally Listed Endangered and Threatened Species May Be Present in the Project Area

The project area consists of:

- The areas on the construction site where storm water discharges originate and flow toward the point of discharge into the receiving waters (including areas where excavation, site development, or other ground disturbance activities occur) and the immediate vicinity.

Example(s)

1. Where bald eagles nest in a tree that is on or bordering a construction site and could be disturbed by the construction activity.
2. Where grading causes storm water to flow into a small wetland or other habitat that is on the site which contains listed species.

- The areas where storm water discharges flow from the construction site to the point of discharge into receiving waters.

Example(s)

1. Where storm water flows into a ditch, swale, or gully which leads to receiving waters and where listed species (such as amphibians) are found in the ditch, swale, or gully.

- The areas where storm water from construction activities discharge into receiving waters and the areas in the immediate vicinity of the point of discharge.

Example(s)

1. Where storm water from construction activities discharges into a stream segment that is known to harbor listed aquatic species.

• The areas where storm water BMPs will be constructed and operated, including any areas where storm water flows to and from BMPs.

Example(s)

1. Where a storm water retention pond would be built.

The project area will vary with the size and structure of the construction activity, the nature and quantity of the storm water discharges, the storm water discharge-related activities and the type of receiving water. Given the number of construction activities potentially covered by the CGP, no specific method to determine whether listed species may be located in the project area is required for coverage under the CGP. Instead, applicants should use the method which allows them to determine, to the best of their knowledge, whether listed species are located in their project area. These methods may include:

• Conducting visual Inspections: This method may be particularly suitable for construction sites that are smaller in size or located in non-natural settings such as highly urbanized areas or industrial parks where there is little or no natural habitat, or for construction activities that discharge directly into municipal storm water collection systems.

• Contacting the nearest State or Tribal wildlife agency, the Fish and Wildlife Service (FWS), or the National Marine Fisheries Service (NMFS). Many endangered and threatened species are found in well-defined areas or habitats. Such information is frequently known to State, Tribal, or Federal wildlife agencies. A list of FWS and NMFS offices is provided in Section II of this Addendum below.

• Contacting local/regional conservation groups or the State or Tribal Natural Heritage Centers (see Section III of this Addendum). State and local conservation groups may have location specific listed species information. The Natural Heritage Centers inventory species and their locations and maintain lists of sightings and habitats.

• Submitting a data request to a Natural Heritage Center. Many of these centers will provide site specific information on the presence of listed species in a project area. Some of these centers will charge a fee for researching data requests.

• Conducting a formal biological survey. Larger construction sites with extensive storm water discharges may choose to conduct biological surveys as the most effective way to assess whether species are located in the project area and whether there are likely adverse effects. Biological surveys are frequently performed by environmental consulting firms. A biological survey can be used to follow Steps Four through Six of these instructions.

• Conducting an environmental assessment under the National Environmental Policy Act (NEPA). Some construction activities may require environmental assessments under NEPA. Such assessments may indicate if listed species are in the project area. Coverage under the CGP does not trigger such an assessment because the permit does not regulate any dischargers subject to New Source Performance Standards under Section 306 of the Clean Water Act, and is thus statutorily exempted from NEPA. See CWA § 511(c). However, some construction activities might require review under NEPA because of Federal funding or other Federal involvement in the project.

If no species are found in the project area, an applicant is eligible for CGP coverage. Applicants must provide the necessary certification on the revised NOI form. If listed species are found in the project area, applicants must indicate the location and nature of this presence in the storm water pollution prevention plan and follow Step Four.

Step Four: Determine if Listed Species or Critical Habitat Are Likely To Be Adversely Affected by the Construction Activity's Storm Water Discharges or Storm Water Discharge-Related Activities

To receive CGP coverage, applicants must assess whether their storm water discharges or storm water discharge-related activities are likely to adversely affect listed species or critical habitat. "Storm water discharge-related activities" include:

• Activities which cause, contribute to, or result in point source storm water pollutant discharges, including but not limited to excavation, site development, grading, and other surface disturbance activities; and

• Measures to control storm water discharges including the siting, construction, operation of best management practices (BMPs) to control, reduce or prevent storm water pollution.

Potential adverse effects from storm water discharges and storm water discharge-related activities include:

• *Hydrological.* Storm water discharges may cause siltation, sedimentation or induce other changes in receiving waters such as temperature, salinity or pH. These effects will vary with the amount of storm water discharged and the volume and condition of the receiving water. Where a storm water discharge constitutes a minute portion of the total volume of the receiving water, adverse hydrological effects are less likely. Construction activity itself may also alter drainage patterns on a site where construction occurs which can impact listed species or critical habitat.

• *Habitat.* Excavation, site development, grading, and other surface disturbance activities from construction activities, including the installation or placement of storm water BMPs, may adversely affect listed species or their habitat. Storm water may drain or inundate listed species habitat.

• *Toxicity.* In some cases, pollutants in storm water may have toxic effects on listed species.

The scope of effects to consider will vary with each site. If the applicant is having difficulty in determining whether his or her project is likely to adversely Affect a listed species or critical habitat, then the appropriate office of the FWS, NMFS or Natural Heritage Center listed in Sections II and III of this Addendum should be contacted for assistance. If adverse effects are not likely, then the applicant should make the appropriate certification on the revised NOI form and apply for coverage under the permit. If adverse effects are likely, applicants must follow Step Five.

Step Five: Determine if Measures Can Be Implemented To Avoid Any Adverse Effects

If an applicant makes a preliminary determination that adverse effects are likely, it can still receive coverage under Part I.B.3.e.(2)(a) of the CGP if appropriate measures are undertaken to avoid or eliminate the likelihood of adverse effects prior to applying for permit coverage. These measures may involve relatively simple changes to construction activities such as re-routing a storm water discharge to bypass an area where species are located, relocating BMPs, or by changing the "footprint" of the construction activity. Applicants may wish to contact the FWS and/or NMFS to see what appropriate measures might be suitable to avoid or eliminate the likelihood of adverse impacts to listed species and/or critical habitat. (See 50 CFR 402.13(b).) This can entail the initiation of informal consultation with the FWS and/or NMFS which is described in more detail in Step Six.

If applicants adopt measures to avoid or eliminate adverse effects, they must continue to abide by those measures during the course of permit coverage. These measures must be described in the storm water pollution prevention plan and may be enforceable as permit conditions. If appropriate measures to avoid the likelihood of adverse effects are not available to the applicant, the applicant must follow Step Six.

Step Six: Determine if the Eligibility Requirements of Part I.B.3.e.(2)(b)–(d) Can Be Met

Where adverse effects are likely, the applicant must contact the EPA and FWS/NMFS. Applicants may still be eligible for CGP coverage if any likely adverse effects can be addressed through meeting the criteria of Part I.B.3.e.(2)(b)–(d) of the permit. These criteria are as follows:

1. An ESA Section 7 Consultation Is Performed for the Applicant's Activity (See Part I.B.3.e.(2)(b)

Formal or informal ESA § 7 consultation is performed with the FWS and/or NMFS which addresses the effects of the applicant's storm water discharges and storm water discharge-related activities on listed species and critical habitat. The formal consultation must result in either a "no jeopardy opinion" or a "jeopardy opinion" that identifies reasonable and prudent alternatives to avoid jeopardy which are to be implemented by the applicant. The informal consultation must result in a written concurrence by the Service(s) on a finding that the applicant's storm water discharge(s) and storm water discharge-related activities are not likely to adversely affect listed species or critical habitat (for informal consultation, see 50 CFR 402.13).

Most consultations are accomplished through informal consultation. By the terms of this permit, EPA has automatically designated applicants as non-Federal representatives for the purpose of conducting informal consultations. *See* Part I.B.3.e.(5) and 50 CFR 402.08 and 402.13. When conducting informal ESA § 7 consultation as a non-Federal representative, applicants must follow the procedures found in 50 CFR 402 of the ESA regulations.

Applicants must also notify EPA and the Services of their intention and agreement to conduct consultation as a non-Federal representative. Consultation may occur in the context of another Federal action at the construction site (e.g., where ESA § 7 consultation was performed for issuance of a wetlands dredge and fill permit for the project or where a NEPA review is performed for the project which incorporates a section 7 consultation). Any terms and conditions developed through consultations to protect listed species and critical habitat must be incorporated into the SWPPP. As noted above, applicants may, if they wish, initiate consultation with the Services at Step Five.

Whether ESA § 7 consultation must be performed with either the FWS, NMFS or both Services depends on the listed species which may be affected by the applicant's activity. In general, NMFS has jurisdiction over marine, estuarine, and anadromous species. Applicants should also be aware that while formal § 7 consultation provides protection from incidental takings liability, informal consultation does not.

2. An Incidental Taking Permit Under Section 10 of the ESA Is Issued for the Applicants Activity (See Part I.B.3.e.(2)(c))

The applicant's construction activities are authorized through the issuance of a permit under § 10 of the ESA and that authorization addresses the effects of the applicant's storm water discharge(s) and storm water discharge-related activities on listed species and critical habitat. Applicants must follow FWS and/or NMFS procedures when applying for an ESA Section 10 permit (see 50 CFR § 17.22(b)(1) (FWS) and § 222.22 (NMFS)). Application instructions for Section 10 permits for NMFS species can be obtained by (1) accessing the "Office of Protected Resources" sector of the NMFS Home Page at "http://www.nmfs.gov" or by contacting the National Marine Fisheries Service, Office of Protected Resources, Endangered Species Division, F/PR3, 1315 East-West Highway, Silver Spring, Maryland 20910; telephone (301) 713–1401, fax (301) 713–0376.

3. The Applicant Is Covered Under the Eligibility Certification of Another Operator for the Project Area (See Part I.B.3.e.(2)(d))

The applicant's storm water discharges and storm water discharge-related activities were already addressed in another operator's certification of eligibility under Part I.B.3.e.(2)(b), or (c) which also included the applicant's project area. By certifying eligibility under Part I.B.3.e.(2)(d), the applicant agrees to comply with any measures or controls upon which the other operator's certification under Part I.B.3.e.(2)(a), (b) or (c) was based. Certification under Part I.B.3.e.(2)(d) is discussed in more detail in Section I.A. of this addendum.

The applicant must comply with any terms and conditions imposed under the eligibility requirements of paragraphs I.B.3.e(2)(a), (b), (c), (d) to ensure that its storm water discharges and storm water discharge-related activities are protective of listed species and/or critical habitat. Such terms and conditions must be incorporated in the project's SWPPP. If the eligibility requirements of Part I.B.3.e.(2)(a)-(d) cannot be met, then the applicant may not receive coverage under the CGP. Applicants should then consider applying to EPA for an individual permit.

II. List of Fish and Wildlife Service and National Marine Fisheries Service Offices

A. U.S. Fish and Wildlife Service Offices

National Website for Endangered Species Information

Endangered Species Home page: http://www.fws.gov/r9endspp/endspp.html

Regional, State, Field and Project Offices

USFWS Region Two

Regional Office

Division Chief, Endangered Species, U.S. Fish and Wildlife Service, ARD Ecological Services, P.O. Box 1306, Albuquerque, NM 87103

State, Field, and Project Offices (Region Two)

Field Supervisor, U.S. Fish and Wildlife Service, Corpus Christi Field Office, 6300 Ocean Dr., Campus Box 338, Corpus Christi, TX 78412

Field Supervisor, U.S. Fish and Wildlife Service, Arlington Field Office, 711 Stadium Dr., East, Suite 252, Arlington, TX 76011

Field Supervisor, U.S. Fish and Wildlife Service, Clear Lake Field Office, 17629 El Camino Real, Suite 211, Houston, TX 77058

Field Supervisor, U.S. Fish and Wildlife Service, Oklahoma Field Office, 222 S. Houston, Suite a, Tulsa, OK 74127

Field Supervisor, U.S. Fish and Wildlife Service, New Mexico Field Office, 2105 Osuna, NE, Albuquerque, NM 87113

Field Supervisor, U.S. Fish and Wildlife Service, Austin Ecological Serv. Field Office, 10711 Burnet Road, Suite 200, Austin, TX 78758

Field Supervisor, U.S. Fish and Wildlife Service, Arizona State Office, 2321 W. Royal Palm Road, Suite 103, Phoenix, AZ 85021–4951

USFWS Region Four

Regional Office

Division Chief, Endangered Species, U.S. Fish and Wildlife Service, ARD—Ecological Services, 1875 Century Blvd., Suite 200, Atlanta, GA 30345

State, Field, and Project Offices (Region Four)

Field Supervisor, U.S. Fish and Wildlife Service, Panama City Field Office, 1612 June Avenue, Panama City, FL 32405–3721

Field Supervisor, U.S. Fish and Wildlife Service, South Florida Ecosystem Field Office, 1360 U.S. Hwy 1, #5; P.O. Box 2676, Vero Beach, FL 32961–2676

Field Supervisor, U.S. Fish and Wildlife Service, Caribbean Field Office, P.O. Box 491, Boqueron, PR 00622

Field Supervisor, U.S. Fish and Wildlife Service, Puerto Rican Parrot Field Office, P.O. Box 1600, Rio Grande, PR 00745

Field Supervisor, U.S. Fish and Wildlife Service, Brunswick Field Office, 4270 Norwich Street, Brunswick, GA 31520–2523

Field Supervisor, U.S. Fish and Wildlife Service, Jacksonville Field Office, 6620 Southpoint Drive S., Suite 310, Jacksonville, FL 32216–0912

Field Supervisor, U.S. Fish and Wildlife Service, Charleston Field Office, 217 Ft. Johnson Road, P.O. Box 12559, Charleston, SC 29422–2559

Field Supervisor, U.S. Fish and Wildlife Service, Clemson F.O., Dept. of Forest Resources, 261 Lehotsky Hall, Box 341003, Clemson, SC 29634–1003

Field Supervisor, U.S. Fish and Wildlife Service, Raleigh Field Office, P.O. Box 33726, Raleigh, NC 27636–3726

Field Supervisor, U.S. Fish and Wildlife Service, Cookeville Field Office, 446 Neal Street, Cookeville, TN 38501

Field Supervisor, U.S. Fish and Wildlife Service, Asheville Field Office, 160 Zillicoa Street, Asheville, NC 28801

Field Supervisor, U.S. Fish and Wildlife Service, Daphne Field Office, P.O. Drawer 1190, Daphne, AL 36526

Field Supervisor, U.S. Fish and Wildlife Service, Vicksburg Field Office, 2524 S. Frontage Road, Suite B, Vicksburg, MS 39180–5269

Field Supervisor, U.S. Fish and Wildlife Svc., Lafayette Field Office, Brandywine II, Suite 102, 825 Kaliste Saloom Road, Lafayette, LA 70508

Field Supervisor, U.S. Fish and Wildlife Service, Jackson Field Office, 6578 Dogwood View Pkwy Suite A, Jackson, MS 39213

B. National Marine Fisheries Service Offices

The National Marine Fisheries Service is developing a database to provide county and territorial water (up to three miles offshore) information on the presence of endangered and threatened species and critical habitat. The database is projected to be available to the public sometime in December 1997. The database should be found at the "Office of Protected Resources" site on the NMFS Homepage at "http://www.nmfs.gov".

Regional and Field Office

Southeast Region

Protective Species Management Branch, National Marine Fisheries Service, Southeast Region, 9721 Executive Center Drive, St. Petersburg, Florida 33702–2432

III. Natural Heritage Centers

The Natural Heritage Network comprises 85 biodiversity data centers throughout the Western Hemisphere. These centers collect, organize, and share data relating to endangered and threatened species and habitat. The network was developed to inform land-use decisions for developers,

corporations, conservationists, and government agencies and is also consulted for research and educational purposes. The centers maintain a Natural Heritage Network Control Server Website (http://www.heritage.tnc.org) which provides website and other access to a large number of specific biodiversity centers. Some of these centers are listed below:

Oklahoma Natural Heritage Inventory

Oklahoma Biological Survey, 111 East Chesapeake Street, University of Oklahoma, Norman, OK 73019–0575, 405/325–1985 Fax: 405/325–7702. Web site: http://obssun02.uoknor.edu/biosurvey/onhi/home.html

Louisiana Natural Heritage Program

Department of Wildlife & Fisheries, P.O. Box 98000, Baton Rouge, LA 70898–9000, 504/765–2821 Fax: 504/765–2607

Navajo Natural Heritage Program

P.O. Box 1480, Window Rock, Navajo Nation, AZ 86515, (520) 871–7603, (520) 871–7069 (FAX)

Texas Biological and Conservation Data System

3000 South IH–35, Suite 100, Austin, TX 78704, 512/912–7011 Fax: 512/912–7058

IV. County List of Endangered and Threatened Species

Please see February 17, 1998, **Federal Register** Vol. 63 no. 31 for county by county listing or contact EPA Region 6 Storm Water Hotline (1–800–245–6510). EPA's Office of Wastewater Management's web page at "http://www.epa.gov/owm" will post periodic updates of the county-by-county list. You may also check the list of endangered and threatened species published by the Fish and Wildlife Service on the Endangered Species Home Page (http://www.fws.gov/~r9endspp/enddspp.htm) which is also attached to the FWS Home Page in the "Nationwide Activities Category". List of species under NMFS jurisdiction can be found on the NMFS Homepage (http:www.nmfs.gov) under the "Protected Resources Program." Lists and maps of critical habitat can be found in the Code of Federal Regulations (CFRs) at 50 CFR parts 17 and 226.

Addendum B—Historic Properties (Reserved)

Instructions related to historic preservation have not been included in the permit at this time. EPA may modify the permit to include such provisions at a later date. This does not relieve applicants or permittees of their responsibility to comply with applicable State, Tribal or local laws for the protection of historic properties.

Addendum C—Revised Notice of Intent Form

The Notice of Intent form (EPA3510–9) replaces the Notice of Intent form (EPA 3510–6 (8–98)). The revised form is contained in this Addendum. According to the provisions in Part II.B.1 of this permit, applicants are reminded they must certify that they meet all eligibility requirements of Part I.B. of this permit and are informing the Director of their intent to be covered by, and comply with, those terms and conditions. These conditions include certifications that the applicant's storm water discharges and storm water-related discharge activities will not adversely affect listed endangered or threatened species, or their critical habitat. EPA may modify this permit to include provisions relating to historic preservation.

BILLING CODE 6560–50–P

THIS FORM REPLACES PREVIOUS FORM 3510-6 (8-98)
See Reverse for Instructions

Form Approved. OMB No. 2040-0188

NPDES FORM

EPA

United States Environmental Protection Agency
Washington, DC 20460

Notice of Intent (NOI) for Storm Water Discharges Associated with CONSTRUCTION ACTIVITY Under a NPDES General Permit

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form intends to be authorized by a NPDES permit issued for storm water discharges associated with construction activity in the State/Indian Country Land identified in Section II of this form. Submission of this Notice of Intent also constitutes notice that the party identified in Section I of this form meets the eligibility requirements in Part I.B. of the general permit (including those related to protection of endangered species determined through the procedures in Addendum A of the general permit), understands that continued authorization to discharge is contingent on maintaining permit eligibility, and that implementation of the Storm Water Pollution Prevention Plan required under Part IV of the general permit will begin at the time the permittee commences work on the construction project identified in Secion II below. IN ORDER TO OBTAIN AUTHORIZATION, ALL INFORMATION REQUESTED MUST BE INCLUDED ON THIS FORM. SEE INSTRUCTIONS ON BACK OF FORM.

I. Owner/Operator (Applicant) Information

Name: Phone:

Address: Status of Owner/Operator: ☐

City: State: Zip Code:

II. Project/Site Information

Is the facility located on Indian Country Lands? Yes ☐ No ☐

Project Name:

Project Address/Location:

City: State: Zip Code:

Latitude: Longitude: County:

Has the Storm Water Pollution Prevention Plan (SWPPP) been prepared? Yes ☐ No ☐

Optional: Address of location of SWPPP for viewing ☐ Address in Section I above ☐ Address in Section II above ☐ Other address (if known) below:

SWPPP Address: Phone:

City: State: Zip Code:

Name of Receiving Water:

Month Day Year — Estimated Construction Start Date

Month Day Year — Estimated Completion Date

Estimate of area to be disturbed (to nearest acre):

Estimate of Likelihood of Discharge (choose only one):

1. ☐ Unlikely
2. ☐ Once per month
3. ☐ Once per week
4. ☐ Once per day
5. ☐ Continual

Based on instruction provided in Addendum A of the permit, are there any listed endangered or threatened species, or designated critical habitat in the project area?

Yes ☐ No ☐

I have satisfied permit eligibility with regard to protection of endangered species through the indicated section of Part I.B.3.e.(2) of the permit (check one or more boxes):

(a) ☐ (b) ☐ (c) ☐ (d) ☐

III. 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 assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this 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 thsre are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name: Date:

Signature: _____

EPA Form 3510-9 replaced 3510-6 (8-98)

EPA

Instructions – EPA Form 3510-9

Form Approved. OMB No. 2040-0188

Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activity to be Covered Under a NPDES Permit

Who Must File a Notice of Intent Form

Under the provisions of the Clean Water Act, as amended, (33 U.S.C. 1251 et.seq.; the Act), except as provided by Part I.B.3 the permit, Federal law prohibits discharges of pollutants in storm water from construction activities without a National Pollutant Discharge Elimination System Permit. Operator(s) of construction sites where 5 or more acres are disturbed, smaller sites that are part of a larger common plan of development or sale where there is a cumulative disturbance of at least 5 acres, or any site designated by the Director, must submit an NOI to obtain coverage under an NPDES Storm Water Construction General Permit. If you have questions about whether you need a permit under the NPDES Storm Water program, or if you need information as to whether a particular program is administered by EPA or a State agency, write to or telephone the Notice of Intent Processing Center at (703) 931-3230.

Where to File NOI Form

NOIs must be sent to the following address:

Storm Water Notice of Intent (4203)
USEPA
401 M. Street, SW
Washington, D.C. 20460

Do not send Storm Water Pollution Prevention Plans (SWPPPs) to the above address. For overnight/express delivery of NOIs, please include the room number 2104 Northeast Mall and phone number (202) 260-9541 in the address.

When to File

This form must be filed at least 48 hours before construction begins.

Completing the Form

OBTAIN AND READ A COPY OF THE APPROPRIATE EPA STORM WATER CONSTRUCTION GENERAL PERMIT FOR YOUR AREA. To complete this form, type or print, using uppercase letters, in the appropriate areas only. Please place each character between the marks (abbreviate if necessary to stay within the number of characters allowed for each item). Use one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response. If you have any questions on this form, call the Notice of Intent Processing Center at (703) 931-3230.

Section I. Facility Owner/Operator (Applicant) Information

Provide the legal name, mailing address, and telephone number of the person, firm, public organization, or any other entity that meet either of the following two criteria: (1) they have operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications; or (2) they have the day-to-day operational control of those activities at the project necessary to ensure compliance with SWPPP requirements or other permit conditions. Each person that meets either of these criteria must file this form. Do not use a colloquial name. Correspondence for the permit will be sent to this address.

Enter the appropriate letter to indicate the legal status of the owner/operator of the project: F = Federal; S = State; M = Public (other than federal or state); P = Private.

Section II. Project/Site Information

Enter the official or legal name and complete street address, including city, county, state, zip code, and phone number of the project or site. If it lacks a street address, indicate with a general statement the location of the site (e.g., Intersection of State Highways 61 and 34). Complete site information must be provided for permit coverage to be granted.

The applicant must also provide the latitude and longitude of the facility in degrees, minutes, and seconds to the nearest 15 seconds. The latitude and longitude of your facility can be located on USGS quadrangle maps. Quadrangle maps can be obtained by calling 1-800 USA MAPS. Longitude and latitude may also be obtained at the Census Bureau Internet site: http://www.census.gov/cgi-bin/gazetteer.

Latitude and longitude for a facility in decimal form must be converted to degrees, minutes and seconds for proper entry on the NOI form. To convert decimal latitude or longitude to degrees, minutes, and seconds, follow the steps in the following example.

Convert decimal latitude 45.1234567 to degrees, minutes, and seconds.

1) The numbers to the left of the decimal point are degrees.
2) To obtain minutes, multiply the first four numbers to the right of the decimal point by 0.006. 1234 x .006 = 7.404.
3) The numbers to the left of the decimal point in the result obtained in step 2 are the minutes: 7'.
4) To obtain seconds, multiply the remaining three numbers to the right of the decimal from the result in step 2 by 0.06: 404 x 0.06 = 24.24. Since the numbers to the right of the decimal point are not used, the result is 24".
5) The conversion for 45.1234 = 45° 7' 24".

Indicate whether the project is on Indian Country Lands.

Indicate if the Storm Water Pollution Prevention Plan (SWPPP) has been developed. Refer to Part IV of the general permit for information on SWPPPs. To be eligible for coverage, a SWPPP must have been prepared.

Optional: Provide the address and phone number where the SWPPP can be viewed if different from addresses previously given. Check appropriate box.

Enter the name of the closest water body which receives the project's construction storm water discharge.

Enter the estimated construction start and completion dates using four digits for the year (i.e. 05/27/1998).

Enter the estimated area to be disturbed including but not limited to: grubbing, excavation, grading, and utilities and infrastructure installation. Indicate to the nearest acre; if less than 1 acre, enter "1." Note: 1 acre = 43,560 sq. ft.

Indicate your best estimate of the likelihood of storm water discharges from the project. EPA recognizes that actual discharges may differ from this estimate due to unforeseen or chance circumstances.

Indicate if there are any listed endangered or threatened species, or designated critical habitat in the project area.

Indicate which Part of the permit that the applicant is eligible with regard to protection of endangered or threatened species, or designated critical habitat.

Section III. Certification

Federal Statutes provide for severa penalties for submitting false information on this application form. Federal regulations require this application to be signed as follows:

For a corporation: by a responsible corporate officer, which means: (i) president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions, or (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

For a partnership or sole proprietorship: by a general partner of the proprietor, or

For a municipality, state, federal, or other public facility: by either a principal executive or ranking elected official. An unsigned or undated NOI form will not be granted permit coverage.

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 3.7 hours. This estimate includes time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form, including any suggestions which may increase or reduce this burden to: Director, OPPE Regulatory Information Division (2137), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, D.C. 20460. Include the OMB control number on any correspondence. Do not send the completed form to this address.

Addendum D—Notice of Termination Form

From the effective date of this permit, permittees are to use the existing Notice of Termination form (EPA Form 3510–7) contained in this Addendum until they are instructed by the Director (EPA) to use a revised version. Permittees are to complete, sign and submit the form in accordance with Part VIII of the permit when terminating permit coverage at a construction project when one or more or the conditions contained in Part I.D.2 have been met.

THIS FORM REPLACES PREVIOUS FORM 3510-7 (8-92)
Please See Instructions Before Completing This Form

Form Approved. OMB No. 2040-0086
Approval expires: 8-31-98

NPDES FORM

EPA

United States Environmental Protection Agency
Washington, DC 20460

Notice of Termination (NOT) of Coverage Under a NPDES General Permit for Storm Water Discharges Associated with Industrial Activity

Submission of this Notice of Termination constitutes notice that the party identified in Section II of this form is no longer authorized to discharge storm water associated with industrial activity under the NPDES program. ALL NECESSARY INFORMATION MUST BE PROVIDED ON THIS FORM.

I. Permit Information

NPDES Storm Water General Permit Number: _____

Check Here If You are No Longer the Operator of the Facility: ☐

Check Here If the Storm Water Discharge is Being Terminated: ☐

II. Facility Operator Information

Name: _____ Phone: _____

Address: _____

City: _____ State: _____ ZIP Code: _____

III. Facility/Site Location Information

Name: _____

Address: _____

City: _____ State: _____ ZIP Code: _____

Latitude: _____ Longitude: _____ Quarter: _____ Section: _____ Township: _____ Range: _____

IV. Certification: I certify under penalty of law that all storm water discharges associated with industrial activity from the identified facility that are authorized by a NPDES general permit have been eliminated or that I am no longer the operator of the facility or construction site. I understand that by submitting this Notice of Termination, I am no longer authorized to discharge storm water associated with industrial activity under this general permit, and that discharging pollutants in storm water associated with industrial activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this Notice of Termination does not release an operator from liability for any violations of this permit or the Clean Water Act.

Print Name: _____ Date: _____

Signature: _____

Instructions for Completing Notice of Termination (NOT) Form

Who May File a Notice of Termination (NOT) Form

Permittees who are presently covered under an EPA-issued National Pollutant Discharge Elimination System (NPDES) General Permit (including the 1995 Multi-Sector Permit) for Storm Water Discharges Associated with Industrial Activity may submit a Notice of Termination (NOT) form when their facilities no longer have any storm water discharges associated with industrial activity as defined in the storm water regulations at 40 CFR 122.26(b)(14), or when they are no longer the operator of the facilities.

For construction activities, elimination of all storm water discharges associated with industrial activity occurs when disturbed soils at the construction site have been finally stabilized and temporary erosion and sediment control measures have been removed or will be removed at an appropriate time, or that all storm water discharges associated with industrial activity from the construction site that are authorized by a NPDES general permit have otherwise been eliminated. Final stabilization means that all soil-disturbing activities at the site have been completed, and that a uniform perennial vegetative cover with a density of 70% of the cover for unpaved areas and areas not covered by permanent structures has been established, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.

Where to File NOT Form

Send this form to the the following address:

Storm Water Notice of Termination (4203)
401 M Street, S.W.
Washington, DC 20460

Completing the Form

Type or print, using upper-case letters, in the appropriate areas only. Please place each character between the marks. Abbreviate if necessary to stay within the number of characters allowed for each item. Use only one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response. If you have any questions about this form, telephone or write the Notice of Intent Processing Center at (703) 931-3230.

EPA Form 3510-7 (8-96)

Instructions - EPA Form 3510-7
Notice of Termination (NOT) of Coverage Under The NPDES General Permit for Storm Water Discharges Associated With Industrial Activity

Section I Permit Information

Enter the existing NPDES Storm Water General Permit number assigned to the facility or site identified in Section III. If you do not know the permit number, telephone or write your EPA Regional storm water contact person.

Indicate your reason for submitting this Notice of Termination by checking the appropriate box:

If there has been a change of operator and you are no longer the operator of the facility or site identified in Section III, check the corresponding box.

If all storm water discharges at the facility or site identified in Section III have been terminated, check the corresponding box.

Section II Facility Operator Information

Give the legal name of the person, firm, public organization, or any other entity that operates the facility or site described in this application. The name of the operator may or may not be the same name as the facility. The operator of the facility is the legal entity which controls the facility's operation, rather than the plant or site manager. Do not use a colloquial name. Enter the complete address and telephone number of the operator.

Section III Facility/Site Location Information

Enter the facility's or site's official or legal name and complete address, including city, state and ZIP code. If the facility lacks a street address, indicate the state, the latitude and longitude of the facility to the nearest 15 seconds, or the quarter, section, township, and range (to the nearest quarter section) of the approximate center of the site.

Section IV Certification

Federal statutes provide for severe penalties for submitting false information on this application form. Federal regulations require this application to be signed as follows:

For a corporation: by a responsible corporate officer, which means: (i) president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions, or (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

For a partnership or sole proprietorship: by a general partner or the proprietor; or

For a municipality, State, Federal, or other public facility: by either a principal executive officer or ranking elected official.

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 0.5 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, an other aspect of the collection of information, or suggestions for improving this form, including any suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, 2136, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

[FR Doc. 98–17521 Filed 7–2–98; 8:45 am]
BILLING CODE 6560–50–C

EPA PUBLIC HEARING

Coalition of Tx Cities 3-4-98

Jim Mathews — 47 cities have joined
watershed / WQ approach
State Control

Peggy Glass — focus should be on solving WQ problems
numeric limits are not practical
don't have wet weather standards

Joe Freeland — don't dictate local planning controls
no general permit has been proposed
" tool box has been proposed
Unfunded mandate

Bill Lindsey — Denison Council Member (& Coalition Member)
Population limit too arbitrary
Munic runoff has little affect on WQ
Regs will encourage development outside cities
Regs will limit / unduly control zoning & land use.
Unfunded mandate - violates Act re same name (Unfunded Mandates Reform Act)

John Promise COG/APWA — need cooperation focus
not "individual" approach focus.

Taku River; Stikine River; and Iskut River.

Other proposals include the initiation of studies on transboundary water demand and supply, water quality, transboundary air quality, and core environmental data requirements, as well as reports on the transboundary environment.

IJC was created by the United States and Canada in 1909 to assist the two governments in finding solutions to problems involving transboundary waters.

For more information, call Frank Bevacqua or Jill Eynon, IJC, at 1-202-736-9000, or visit the IJC Web site at http://www.ijc.org.

*— **Kris Christen, W3TB***

EPA Plans to Eliminate the Base Line General Permit for Industrial Stormwater

The U.S. Environmental Protection Agency (EPA) is proposing to terminate the National Pollutant Discharge Elimination System (NPDES) base line general permit for industrial stormwater (62 *FR* 37448, July 11). Facilities currently covered under this permit would be transferred to the multisector general stormwater permit. If the change occurs, the multisector permit would cover virtually all industrial dischargers in nondelegated states and tribal areas (see box, p. 21).

Although the comment period ended in August, "we're still going over the comments ... for appropriate responses and possible permit modifications," says Bryan Rittenhouse, an environmental scientist in the permit division of EPA's Office of Wastewater Management. The process has been slow because EPA's priority is finalizing the construction general permit. Afterward, the agency will look at NPDES-related comments more carefully, he says.

Steve Hensley, environmental specialist at the American Trucking Associations, says his organization would prefer EPA not eliminate the base line permit. "Our industry is used to the base line general [permit] and has been complying with it now for several years," he says. "It's not a horrendously difficult permit to comply with. We were hoping EPA would consider keeping the base line general [permit], at least as an option, and those who wanted to switch over to the multisector general stormwater permit could, but that it would not be forced."

Hensley says permit changes can be extremely complicated in the trucking industry because many companies operate in multiple states. The changeover would cost the industry a significant amount of time, money, and staff effort, he notes.

Rittenhouse says EPA always planned to discard the base line permit in favor of a more "specific" permit as more information about stormwater discharges became available. The Clean Water Act mandates 5-year permit limits so EPA can make permit changes when appropriate. The multisector general permit is the "next level" above the base line general permit,

Proposed Multisector General Permit Additions

- Medicinal chemicals and botanical products
- Pharmaceutical preparations
- *In vitro* and *in vivo* diagnostic substances
- Biological products, except diagnostic substances
- Petroleum refining
- Boot and shoe cut stock and findings (leather soles, inner soles, other boot, and finished wood heels)
- House slippers
- Men's and women's dress, street, and work shoes
- Footwear, except rubber, including athletic shoes
- Leather gloves and mittens
- Luggage and cases
- Women's handbags and purses, leather
- Personal leather goods not elsewhere classified (for example, saddlery, belts, holsters, leather aprons)
- Glass products, made of purchased glass
- Vitreous china plumbing fixtures and china earthenware fitting and bathroom accessories
- Lime, agricultural-building lime, dolomite, lime plaster
- Cut stone and stone products, benches, blackboards, table tops, pedestals, etc.
- Abrasive products
- Asbestos products, tiles, building materials, except paper, insulating pipe coverings
- Mineral wool, insulation
- Nonmetallic mineral products not elsewhere classified, plaster of Paris and papier-maché, etc.
- Warehousing facilities without trucking services
- Open dumps

TOWN OF ADDISON

PUBLIC WORKS DEPARTMENT (972) 450-2871

Post Office Box 144 Addison, Texas 75001 16801 Westgrove

April 7, 1998

ATTN: Storm Water Proposed Rule Comment Clerk-W-97-12
Water Docket, Mail Code 4101
EPA
401 M Street, SW
Washington, D.C. 20460

Re: Comments on the NPDES Proposed Regulations Addressing Storm Water Discharges

To Whom It May Concern:

The Town of Addison, Dallas County, Texas wishes to file the following comments on the above-proposed regulations that appeared in the Federal Register Friday, January 9, 1998:

Proposed Rules § 122.26

The Town opposes the use of EPA's National Pollutant Discharge Elimination System (NPDES) permit program as the sole means of implementing the Phase II storm water program. Where municipalities have direct control of the quality of the effluent, such as Publicly Owned Treatment Works (POTW) discharges, NPDES permits are appropriate. The Town believes that NPDES permits should only be required in cases where storm water discharges are a documented cause of impairment of water quality standards. Such documentation would be the responsibility of the permitting agency.

Proposed Rules § 122.34 (5)

The Town believes the use of NPDES permits is inappropriate to regulate traditional municipal governmental functions such as land use planning, and building/development control. The use of this type of an approach to regulate local government will not further cooperation between municipalities and federal and state governments and between municipalities and its citizens.

Preamble, Page 1595, 1. Water Quality Standards

The Town supports the development and use of a watershed and water-quality based approach to addressing the discharge of polluted runoff from all sources (point and nonpoint sources). Through such an approach, federal, state and local governments can collaborate to find innovative techniques to restore and sustain the health of watersheds locally and throughout Texas. Such an approach is the key to setting priorities and taking action to clean up rivers, lakes, and coastal waters and would be consistent with EPA and Texas' emphasis on watershed based approaches, and the renewed effort in developing Total Maximum Daily Loads (TMDLs).

Preamble, Page 1546, H. Watershed-based Approach for Water Quality Programs

The Town supports the use of State Storm Water Management Programs to address polluted storm water runoff. The States are poised to implement such programs with the continued development of TMDLs and the increased emphasis on watershed based approaches such as the "TMDLs in 10" and the Clean Rivers Programs in Texas. Using such an approach, Texas will be able to fairly and equitably allocate the burdens associated with improving water quality among the various sources of polluted runoff.

§122.26 (I) Construction Activities

The Town supports the need to control runoff from construction sites of one acre or more. However, the Town opposes the redundant regulation of construction sites. The proposal subjects construction sites to regulation both by the permitting authority and by municipalities. Permits should be issued for construction sites as is now done in the Phase 1 program (General NPDES Permits) so that only one regulatory authority is involved in construction activities.

Preamble, Page 1595, a. Permitting Policy

The Town opposes the use of numeric discharge limits for municipal wet weather storm water discharges because insufficient information exists to develop numeric wet weather limits for storm water discharges. Moreover, any numeric discharge limits that are developed would have be developed to account for the highly variable nature of storm water discharges.

Preamble, Page 1577 & 1578, v. Post-Construction Storm Water Management in New Development and Redevelopment, and, §122.34 (b) (5)

The Town opposes language that requires that "post development conditions should not be different from pre-development conditions in a way that adversely affects water quality." The Town would support language that says "construction activities shall be controlled such that post development conditions should not be different from pre-development conditions to the extent practicable." The Town also objects to the use of non-structural Best Management Practices (BMP's) that "include requirements to limit growth to identified areas". The Town does this through its zoning ordinance.

§ 122.34 (b) Minimum Control Measures

Assuming construction activities would be regulated as above, the Town could support a General Permit that included only the following minimum control measures: (1) Public Education and Outreach; (2) Public Involvement/participation; (3) Illicit discharge detection and elimination; and (4) Pollution prevention/good housekeeping for municipal operations.

Very truly yours,

Town of Addison

James C. Pierce, Jr., P.E., DEE
Assistant City Engineer

cc: John Baumgartner, Director of Public Works

EPA REGION 6
United States Environmental Protection Agency
Arkansas Louisiana New Mexico Oklahoma Texas

Compliance Assurance and Enforcement Division
Water Enforcement Branch

Region 6 Home
EPA Home
Index
What's New
Comments
Search
Enforcement Division
Water Enforcement
Clean Water Act
Safe Drinking Water Act
Definitions
Forms Documents
Storm Water
Feedlots (CAFOs)
Sanitary Sewer Overflows
24 Hour Reporting
Hot Links
Citizen Suits
Storm Water Background

Storm Water

Region 6 NPDES General Permit for Storm Water Discharge from Construction Activity

PERMIT ACTION:

EPA Region 6 reissued the General Permit for Storm Water Discharge from Construction Activity. The permit was signed by Region 6 on Wednesday, June 24, 1998, and published in the Federal Register on July 6, 1997 [63 Fed. Reg. 36489-36519]. You may obtain the new permit in the Forms/Documents web page in Adobe Acrobat format or you may phone the Office of Water Resource Center at (202)260-7786 to have a copy mailed to you.

For those ongoing construction projects (i.e., a construction project which started prior to the effective date of this permit), a complete revised Notice of Intent Form (NOI) (EPA Form 3510-9) must be submitted within 90 days from the effective date of the permit in order to obtain coverage. However, applicants who have previously submitted an NOI for permit coverage prior to the effective date of this permit will not be required to complete the endangered species certification process as explained below.

PERMIT REQUIREMENTS:

A NOI form must be submitted to obtain coverage under the permit

The permits authorizes the discharge storm water associated with construction activity from:

- the States of New Mexico and Texas;
- Indian Country lands in Louisiana, Oklahoma, Texas and New Mexico (except Navajo Reservation Lands and Ute Mountain Reservation Lands); and
- oil and gas construction in the State of Oklahoma.

The permit covers storm water associated with construction activity which:

- disturbs at least five acres, or
- disturbs less than five acres, but is part of a larger common

Storm Water Documents
Storm Water Database
Storm Water Hot Topics
Storm Water Construction
Storm Water Multi-Sector
Storm Water Definition

plan of development or sale with the potential to cumulatively disturb five or more acres

The most significant changes from the 1992 permits include:

• Permit applicants which start construction after the effective date of the permit and any facility identified by EPA as having an impact on endangered species will now be required to certify that their discharge will not affect listed endangered species and their habitats. The permit provides a six step process to assist applicants in pursuing certification:

Step One: Determine if the Construction Site Is Found Within Designated Critical Habitat for Listed Species

Step Two: Determine if Listed Species are Located in the County(ies) Where the Construction Activity Will Occur.

Step Three: Determine if any Federally Listed Endangered and Threatened Species May Be Present in the Project Area

Step Four: Determine if Listed Species or Critical Habitat are likely to be Adversely Affected by the Construction Activity's Storm Water Discharges or Storm Water Discharge-related Activities.

Step Five: Determine if Measures Can Be Implemented To Avoid any Adverse Effects

Step Six: If a determination has been made that construction activity will affect endangered species, then the applicant must receive clearance from Fish and Wildlife Services and/or the National Marine Fisheries Service to a obtain permit coverage.

• Allows those construction sites under five acres which designated as causing an impact to surrounding waterways to obtain coverage under the General permit rather than having to apply for an individual permit.

• A requirement to post at the construction site the permit number or copy of the NOI if a permit number has not been assigned; along with a brief description of the project; and

• Storm water pollution prevention plan performance objectives have been added.

BACKGROUND:

The 1987 Congressional Amendments to the Clean Water Act require EPA to control pollution from storm water discharges. Regulations were finalized by EPA in 1990, and storm water permits for construction sites disturbing five or more acres were required starting in September 1992.

The EPA's storm water program, in effect since 1990, has significantly improved the nation's surface waters by reducing polluted runoff from urban storm sewers and numerous industrial activities, including construction sites larger than 5 acres. In 1992, roughly 46% of water quality impairments were attributed to urban storm water runoff. Urban storm water can be polluted by sediments, illegal toxic discharges, oil and grease and other pollutants. This untreated storm water goes through storm sewers and into waterways.

EPA uses a general permit to provide coverage for construction operations disturbing 5 or more acres. EPA Region 6 receives more than 450 new permit requests a month and handles about 63% of the nation's EPA-regulated construction storm water permit requests.

Region 6 issues storm water permits in Texas and New Mexico. In the other Region 6 states (Arkansas, Oklahoma, and Louisiana), the state conducts the storm water permitting program.

All storm water construction permits expired in September 1997.

ADDITIONAL INFORMATION:

For further information on the NPDES Construction General Permits, call the EPA Region 6 Storm Water Hotline at 1-800-245-6510.

[Region 6 Home] [EPA Home] [Index] [What's New] [Comments] [Search]

URL: http://www.epa.gov/earth1r6/6en/w/sw/const.htm
Last updated: July 6, 1998
Please direct comments or questions to: Program Webmaster
WEB(6EN-W) Metadata Record