

**GENERAL PERMIT  
FOR STORMWATER MANAGEMENT AND SEDIMENT REDUCTION  
AT THE UNITED STATES ARMY TRAINING CENTER AND FORT JACKSON  
FORT JACKSON, SOUTH CAROLINA**

THIS CERTIFIES THAT **The United States Army Training Center and Fort Jackson**, Fort Jackson, South Carolina, has been granted the authority to administer the stormwater management and sediment control plan review and approval/disapproval, and the inspections during construction and maintenance inspections components of the South Carolina Stormwater Management and Sediment Reduction Program. This permit is issued in accordance with the provisions of the Stormwater Management and Sediment Reduction Act of South Carolina (S.C. Code Sections 48-14-10 et seq., 1976) and with the United States Clean Water Act (P.L. 92-500), as amended, 33 U.S.C. Section 1251 et seq.

The delegated program elements shall be administered in accordance with the Memorandum of Instruction (MOI) attached hereto. This permit may be suspended or revoked for failure to comply with the Stormwater Management and Sediment Reduction Act of South Carolina or the conditions of this permit. Upon suspension or revocation, The United States Army Training Center and Fort Jackson has the right to file an appeal within 30 days of the notification of the suspension or revocation in accordance with South Carolina Regulation 72-313.

**"ORIGINAL SIGNED" by:**

Rick Nuzum, Manager  
Storm Water and Agricultural Permitting Sections  
Industrial, Agricultural & Storm Water Permitting Division  
Bureau of Water  
South Carolina Department of Health and Environmental Control

Issued: February 22, 2000 Expires: February 28, 2003

Effective March 1, 2000

## MEMORANDUM OF INSTRUCTION

SUBJECT: Land Disturbing Activities on Fort Jackson

1. The Stormwater Management and Sediment Reduction Act of South Carolina requires a stormwater management and sediment reduction plan before any person can conduct any "land disturbing activity." A "land disturbing activity" is defined as any use of the land by any person that results in a change in the natural cover or topography that may cause erosion and contribute to sediment and alter the quality and quantity of stormwater runoff.

2. The South Carolina Department of Health and Environmental Control (SCDHEC) has issued a General Permit to Fort Jackson authorizing land disturbing activities on Fort Jackson in accordance with this Memorandum of Instruction (MOI). No land disturbing activity shall be conducted on Fort Jackson except as authorized by this MOI, except for the activities described in R.72-302.A (1) and (2), in Enclosure 1. All other activities described in R.72-302.A are subject to the requirements of this regulation. **The use of this general permit does not relinquish a land disturbing activity from requirements of the South Carolina Stormwater Management and Sediment Reduction regulations.**

3. This MOI summarizes the Fort Jackson procedure for compliance with the General Permit and identifies the minimum standards and design specifications for land disturbing activities.

4. Activities Requiring Written Approval: All land disturbing activities, except routine activities described in Enclosure 2, require written approval of the Fort Jackson Directorate of Logistics and Engineering, Public Safety and Environmental Services Division (DLE, PSESD). In addition, land disturbances of five (5) acres or greater also require coverage under the Clean Water Act National Pollutant Discharge Elimination System (NPDES).

5. The approval procedure is as follows:

a. For activities involving two (2) acres or less of actual land disturbance and which are not part of a larger common plan of development, a simplified stormwater management and sediment control plan meeting the requirements of R.72-307H in Enclosure 1, and the application form found in Enclosure 4 shall be submitted to PSESD. This plan does require approval by PSESD, but does not require preparation or certification by a registered engineer, landscape architect, or Tier B land surveyor. Both PSESD and SCDHEC staff have the authority to conduct site inspections on these projects to insure compliance with the submitted plans. Recurring land disturbance activities described in Enclosure 2 do not require the submission of a management and control plan if the activity is conducted in accordance with the requirements and conditions listed in Enclosures 2 and 5.

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b. For activities involving more than two (2) acres and less than five (5) acres of actual land disturbance which are not part of a larger common plan of development, the simplified permitting approval process meeting the requirements of R.72-307I in Enclosure 1 shall be used. All requests shall be submitted to PSESD. Plans and specifications for these activities will be prepared by professional engineers, landscape architects, Tier B land surveyors, or by employees of the federal government within the scope of their employment. No activity shall begin before a request for approval is granted and written approval issued. All contractors and subcontractors whose activities may impact storm water discharges shall sign the appropriate Co-Permittee Agreement found in Enclosure 6.

c. For activities involving more than five (5) acres of actual land disturbance, the requirements of R.72-305 and R.72-307 in Enclosure 1, and the requirements of the National Pollutant Discharge Elimination System (NPDES) General Permit #SCR100000, Enclosure 3, are applicable. All requests shall be submitted to PSESD. Plans and specifications for these activities will be prepared by professional engineers, landscape architects, Tier B land surveyors, or by employees of the federal government within the scope of their employment. No activity shall begin before a request for approval is granted and written approval issued. All contractors and subcontractors whose activities may impact storm water discharges shall sign the appropriate Co-Permittee Agreement found in Enclosure 6.

d. Waiver and Variance Procedure. A waiver from stormwater management requirements may be granted for the following reasons:

(1) The disturbed area is returned to a pre-development runoff condition and pre-development landuse is unchanged.

(2) There will be no impacts on the receiving natural waterway or downstream properties.

(3) Stormwater control requirements would aggravate downstream flooding.

(4) Implementing these regulations will cause unnecessary hardship and not fulfill the intent of the regulations.

To be eligible for a waiver, the proponent must submit a written request with descriptions, drawings, and any other information necessary to evaluate the proposal. (See paragraphs 72-302-B and C of the SC Stormwater Management and Sediment Reduction Regulations found in Enclosure 1.)

6. Application Forms and Checklists. Enclosure 4 includes all the necessary application forms and checklists to use in a stormwater management and sediment reduction permit submittal

package. Reproduction of the forms is authorized.

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7. Plan Submittal and Approval. The applicant should do a preliminary analysis to determine which of the different categories a project would fall under and then submit the appropriate application form and information required on the checklist. The initial submittal package should include only one (1) paper copy of the stormwater management and sediment reduction plans and corresponding calculations. TR-55, Rational, HEC-1, HEC-HMS, SITES, TR-20, or Chapter 2 of the Natural Resources Conservation Service Engineering Field Manual (EFM2) will be used to calculate stormwater runoff. Any other hydrology program must be approved by the installation Civil Engineer. After the plans have been reviewed to determine compliance with this MOI, the PSESD plan reviewer will contact the proponent and request necessary changes or notify the individual that the plans are in compliance. When the plans have been determined to be in compliance, the plan reviewer will specify the number of copies to be submitted for approval. As a guide, the proponent shall send four (4) additional paper copies for stamp approval. One copy of the plans is for the engineer, one is for the organization, one is for the contractor and must be available onsite at all times, and one is for the PSESD inspector. Each copy will be stamped and signed to signify approval.

8. NPDES General Permit.

a. Any construction project disturbing five (5) acres or greater must obtain either NPDES General Permit coverage or an individual NPDES permit. NPDES General Permit coverage under SCR100000 can be obtained by preparing an application form DHEC 2612 (2/97) Stormwater Notice of Intent (NOI)(enclosure 4). The completed and signed NOI should be submitted to SCDHEC along with payment of a \$125.00 administration fee (see paragraph 12). PSESD will not issue a permit until a copy of the NOI and payment documentation is submitted to PSESD. After the construction project is completed and all disturbed areas are stabilized, submit a Notice of Termination (NOT) (enclosure 4) to PSESD. PSESD will then forward the NOT to SCDHEC.

b. If a project has a disturbed acreage of five (5) acres or more and is exempt from the requirements of the Stormwater Management and Sediment Reduction Act of South Carolina (see R.72-302 in Enclosure 1, but not exempt from the requirements of SCR100000 pursuant to South Carolina Regulation 61-9, then a completed and signed NOI must still be submitted to DHEC along with payment of a \$125.00 administration fee (see paragraph 12). Submit a copy of the NOI and payment documentation to PSESD.

9. Co-permittee Agreement. All construction contractors and subcontractors involved in land disturbing activities shall sign the applicable co-permittee agreement found in Enclosure 6.

10. Notification of Initiation of Land Disturbance Activity and Final Inspection. The

organization/contractor shall notify the PSESD inspector of the date for commencement of the ATZJ-GC Land Disturbing Activities on Fort Jackson

activity and the name of the contact person prior to commencement. Notification of completion of the stormwater management system will also be provided. These notices can be sent by FAX (803-751-6821) or by e-mail message (allend@jackson.army.mil).

11. Final Regulations. Enclosure 1 is the official regulation concerning stormwater management and sediment reduction.. This regulation contains the specific requirements for developing stormwater management and sediment reduction plans.

12. Fees. There are no fees in conjunction with applications filed with or approvals issued by PSESD. However, there is a \$125 administration fee for the NPDES NOI for land disturbing activities greater than 5 acres. This fee is payable to DHEC, ATTN: Mr. Harvey Daniel, Bureau of Water, 2600 Bull Street, Columbia, SC, 29201.

13. Inspections, Violations, and Compliance. PSESD staff will conduct periodic site inspections on all land disturbing activities to accomplish the following items:

a. Ensure that the approved stormwater management and sediment control plans are on the project site and are in compliance.

b. Ensure that every active site is inspected for compliance with the approved plan on a regular basis.

c. Prepare a written report after every inspection. The inspection form is located at Enclosure 7.

d. Notify the organization/contracting officer in writing when violations are observed, describing the nature of the violation, required corrective action, and the time period for correction of the violation.

e. If the proponent does not take necessary corrective action, then the proponent will be notified in writing, first by the Director of Logistics of Engineering (DLE). If corrective action is not completed within the specified time frame, the proponent will be notified in writing by the Garrison Commander. If corrective action is still not completed, either the proponent will be notified in writing by the Commanding General of Fort Jackson or the matter will be turned over to DHEC.

f. Inspections may also be conducted by SCDHEC staff at their discretion or as the result of a complaint. (See Sections 72-308D-3, 72-312(E), (F), (I), and (J) of the SC Stormwater Management and Sediment Reduction Regulations found in Enclosure 1.

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14. Complaint Procedure. Any person, including any adjacent landowner or governmental body, may direct any complaint or allegation of a violation of this MOI, in writing, to Commander, USATC & Fort Jackson, ATTN: ATZJ-DLE-PS, Fort Jackson, South Carolina, 29207, with a copy to Commander, USATC & Fort Jackson, ATTN: ATZJ-SJA-ILS, Fort Jackson, South Carolina, 29207. The PSESD shall investigate the complaint and respond to the complainant within 48 hours of receipt of the complaint. If a solution cannot be reached, the person may forward the complaint to SCDHEC for review. (See sections 72-308 and 72-314 of the SC Stormwater Management and Sediment Reduction Regulations found in the handbook at Enclosure 1, Appendix A.)

15. Any other federal, state, or local permits shall be obtained as required. These may include, but are not limited to: Federal Emergency Management Agency, SCDHEC – Dams and Reservoir Safety Section, SCDHEC – Water Quality Division for 401 Certification, U.S. Army Corps of Engineers – Section 404 Permits. These requirements will be issued by PSESD in the Memorandum of Environmental Approval (MOEA).

FOR THE COMMANDER:

7 Enclosures

“ORIGINAL SIGNED BY:”  
LARRY M. KEETON  
COL, SC  
Garrison Commander

## LIST OF ENCLOSURES

1. South Carolina Stormwater Management and Sediment Control Regulations
2. Description of Routine activities with specific requirements e.g. foxholes, fighting positions, projectile impact, range maintenance, etc.
3. NPDES General Permit and Summary Guidance
4. Application forms and checklists
5. Fort Jackson Minimal Best Management Practices (BMP)
6. Co-Permittee Agreements
7. Inspection Form

ENCLOSURE 1  
South Carolina Stormwater Management and Sediment Control Regulations

72-300

<http://www.lpittr.state.sc.us/coderegs/c072.htm#72-300>

ENCLOSURE 2

ROUTINE ACTIVITIES NOT REQUIRING APPROVAL

## ENCLOSURE 2

### ROUTINE ACTIVITIES NOT REQUIRING APPROVAL

The following land disturbing activities may be undertaken without prior approval from PSES, provided the activity is conducted in accordance with the best management practices (BMP) outlined in Enclosure 5 and any additional requirements described below, and less than two (2) acres of land is disturbed.

| <u>ACTIVITY</u>                   | <u>ADDITIONAL REQUIREMENTS</u>      |
|-----------------------------------|-------------------------------------|
| Foxholes/Fighting Positions       | FJ Range Reg 350-14, Section 7-2.u  |
| Range/Grounds Maintenance         | FJ Minimal BMPs, Enclosure 5 of MOI |
| Projectile Impact*                |                                     |
| Utility/communication line repair | FJ Minimal BMPs, Enclosure 5 of MOI |

\*Remedial actions are not required. There is no evidence projectile impact results in any erosion problem that has a negative impact to water quality or quantity or run off velocity. Furthermore, safety considerations severely limit remedial actions.

ENCLOSURE 3  
NPDES General Permit  
<http://www.scdhec.net/eqc/water/pubs/gr100000.pdf>

NPDES Guidance  
Storm Water Management For Construction Activities – Developing Pollution Prevention Plans  
and Best Management Practices

[http://cfpub.epa.gov/npdes/docs.cfm?program\\_id=6&view=allprog&sort=name](http://cfpub.epa.gov/npdes/docs.cfm?program_id=6&view=allprog&sort=name)

Scroll down to:  
“Storm Water Management For Construction Activities – Developing Pollution Prevention Plans  
and Best Management Practices” to open or download Adobe Acrobat Files

ENCLOSURE 4  
Application Form and Checklist for  
Land Disturbing Activities  
Fort Jackson, South Carolina

1. Fort Jackson Application Form
2. Fort Jackson Stormwater Permitting Checklist
3. NPDES Notice of Intent (NOI) <http://www.scdhec.net/eqc/>
  - a. On left side of screen, scroll down to “Forms”
  - b. Scroll down to Storm Water
  - c. Select: “Storm Water Notice of Intent - For Coverage Under the Storm Water NPDES General Permit for Discharges Associated with Construction Activity. DHEC Form 2612 (04/1998) - 43K
4. NPDES Notice of Termination (NOT) <http://www.scdhec.net/eqc/>
  - a. On left side of screen, scroll down to “Forms”
  - b. Scroll down to Storm Water
  - c. Select: Storm Water Notice of Termination - For Terminating Coverage Under the Storm Water NPDES General Permit for Discharges Associated with Construction Activity. DHEC Form 2610 (04/1998) - 70K



**United States Army Training Center  
Fort Jackson, South Carolina**

POC in DLE, PSESD is:  
Doyle Allen  
(803)751-7232  
allend@jackson.army.mil

**APPLICATION FORM FOR  
LAND DISTURBING ACTIVITIES  
FORT JACKSON, SOUTH CAROLINA**

DA, HQ, USATC & Fort Jackson  
ATZJ-DLE-ENRD (Doyle Allen)  
2563 Essayons Way  
Fort Jackson, SC 29207-5670

PROJECT NAME \_\_\_\_\_ DATE: \_\_\_\_\_

APPLICANT (organization requesting the project) \_\_\_\_\_  
POC \_\_\_\_\_ TELEPHONE \_\_\_\_\_ Email: \_\_\_\_\_

LOCATION (also show on a location map) \_\_\_\_\_

ORGANIZATION RESPONSIBLE FOR IMPLEMENTING STORMWATER/EROSION CONTROL PLAN (this could be Roads and Grounds, Corps of Engineers, National Guard Engineering unit, private contractor, etc. - whoever will be constructing stormwater and erosion control measures)

ORGANIZATION \_\_\_\_\_  
POC \_\_\_\_\_ TELEPHONE \_\_\_\_\_ Email: \_\_\_\_\_

WHO WILL BE RESPONSIBLE FOR SITE INSPECTION? (this should be the field person the PSES inspector can call if there is a problem - the person directing the day to day activities of the project; this might be a Corps of Engineers project manager, a Job Order Contract (JOC) inspector, or someone from Roads and Grounds)

POC \_\_\_\_\_ TELEPHONE \_\_\_\_\_ E-mail \_\_\_\_\_

CONTRACTOR OR OPERATOR (if known) \_\_\_\_\_

POC \_\_\_\_\_ TELEPHONE \_\_\_\_\_ E-mail: \_\_\_\_\_

TOTAL ACRES OF LAND DISTURBANCE \_\_\_\_\_

FEES FOR LAND DISTURBANCES OF 5 ACRES OR GREATER, A \$125 NPDES ADMINISTRATION FEE IS REQUIRED (payable to South Carolina Department of Health and Environmental Control (DHEC), ATTN: Harvey Daniel, 2600 Bull Street, Columbia, SC 29201

ANTICIPATED: START DATE \_\_\_\_\_ COMPLETION DATE \_\_\_\_\_

Attach Stormwater Management and Sediment Reduction Plan\Pollution Prevention Plan

**(HIGHLIGHTED AREAS TO BE FILLED IN BY PSESD STAFF)**

**Record of Environmental Consideration (REC) Number** \_\_\_\_\_

**NEAREST RECEIVING WATERBODY** \_\_\_\_\_

**DISTANCE TO NEAREST RECEIVING WATERBODY** \_\_\_\_\_

**LATTITUDE** \_\_\_\_\_ **LONGITUDE** \_\_\_\_\_ **SIC CODE** \_\_\_\_\_

**Any wetlands on the project site?** \_\_\_\_\_ **If so, delineate on a map.** **USGS Topo** \_\_\_\_\_

**I hereby certify that all land disturbing construction and associated activity pertaining to this site shall be accomplished pursuant to and in keeping with the terms and conditions of the approved plans. I also certify that a responsible person will be assigned to the project for day to day control. 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***

*(To be signed by a person who is financially responsible and/or who has the authority to ensure that the stormwater/erosion control plan is implemented. Design engineers may not sign here. Contractors should sign a Co-permittee Agreement)*

\_\_\_\_\_  
**PRINTED NAME**

\_\_\_\_\_  
**SIGNATURE**

**DESIGNER CERTIFICATION (as applicable) – One copy of the plans, all specifications and supporting calculations, forms, and reports are herewith submitted and made a part of this application. I have placed my signature and seal on the design documents submitted signifying that I accept responsibility for the design of the system. Further, I certify to the best of my knowledge and belief that the design is consistent with the requirements of Title 48, Chapter 14 of the Code of Laws of SC, 1976 as amended, and pursuant regulation 72-300.**

\_\_\_\_\_  
**SIGNATURE**

\_\_\_\_\_  
**PRINTED NAME**

\_\_\_\_\_  
**SC REGISTRATION NUMBER**

*Engineer* \_\_\_ *Tier b land surveyor* \_\_\_ *Landscape architect* \_\_\_ *Federal government employee* \_\_\_

**FOR INTERNAL USE ONLY**

I hereby certify that I have thoroughly reviewed the application, plans and supporting documents and found them to be in compliance with the letter and the intent of the law. This stamp of approval on the plans is solely an acknowledgement of satisfactory compliance with the requirements of these regulations. The approval stamp does not constitute a representation or warranty to the applicant or any other person concerning the safety, appropriateness of effectiveness of any provisions, or omission from the stormwater and sediment plan.

\_\_\_\_\_  
**FJ PLAN REVIEWER**

\_\_\_\_\_  
**FJ HYDROLOGY REVIEWER**

**FORT JACKSON  
STORMWATER PERMITTING CHECKLIST FOR ENGINEERS**

The applicant must include the following items, **as specified by the plan reviewer**, as part of the submittal package for a stormwater management permit:

1. **COMPLETED APPLICATION FORM**
2. **ONLY ONE SET OF COMPLETED SITE PLANS FOR INITIAL REVIEW**
  - Once the initial plans have been approved, the plan reviewer will specify how many sets of plans will be required for a stamp of approval.
3. **FEES**
  - \$125 for NPDES coverage.
4. **LOCATION MAP**
  - Include North arrow and scale.
5. **PROJECT NARRATIVE**
  - Brief description of pre- and post- development site conditions
  - If there are current flooding problems in the surrounding areas, please address
6. **USGS TOPO MAP** – outline the following:
  - Project location
  - Route of runoff from site to nearest receiving waterbody
  - Critical areas downstream of site
7. **DRAINAGE AREA MAPS**
  - Existing and proposed drainage areas and discharge points
8. **FLOODWAY MAPS/ FEMA FLOOD INSURANCE MAPS** (if applicable)
9. **PREDOMINATE SOIL TYPES**
  - Specify the soil type and the hydrological soil group
10. **WETLANDS AND/OR WATERS OF THE STATE**
  - Delineate on plans
  - A 20 foot minimum buffer between a sediment trap/pond and wetlands is recommended
  - If wetlands and/or waters of the state are to be impacted, work cannot be performed in these designated areas until all necessary permits have been acquired

## STORMWATER PERMITTING CHECKLIST FOR ENGINEERS (cont.)

### 11. INLET PROTECTION

- Hay bales are not recommended
- An inlet should not have more than 1 acre draining to it

### 12. ENERGY DISSIPATORS / OUTLET PROTECTORS

- All outlets should be stabilized
- Riprap aprons should be sized accordingly (see Appendix I in handbook)
- Provide riprap detail with apron dimensions and stone sizes
- Filter fabric should be used under riprap

### 13. DISCHARGE POINTS

- Provide the pre- and post- developed 2 and 10 year peak flows at each outfall
- Provide the 10 year post developed velocities
- Storm drainage or pond outfalls must be carried to an existing drainage outfall such as a pipe, ditch, etc.
- No point discharge onto adjacent property where there was not a point discharge previously unless you have the owner's permission in writing

### 14. FILL SLOPES AND/OR EMBANKMENTS

- All slopes must be stabilized
- A minimum buffer of 20 feet from the property line is recommended
- Measures in addition to grassing or hydroseeding may include synthetic or vegetative matting, diversion berms, temporary slope drains, etc.

### 15. DETENTION POND CALCULATIONS

- A pond routing is required using a volume-based hydrograph for the SCS 24-hour rainfall event
- TR-55 does not perform a full pond routing and the rational method cannot be used
- Drain-Edge, Pond-2, HEC-1, SEDCAD, HYDRAFLOW, etc. perform full pond routings
- Provide a summary table of the peak inflows, peak outflows, and maximum water surface elevations for the 2, 10, and (100 is recommended) year storms of the pond
- Provide the stage-storage-discharge relationship for the outlet structure of the pond and include the data and equations used to rate the outlet structure
- Dry ponds should drain completely within a 24 to 72 hour time period
- Provide a horse-shoe riprap berm in front of any low level outlets during construction and include on detail
- Provide detail with the outlet structure and cross-section of the dam, including elevations that correspond to the calculations
- It is recommended that the emergency spillway be designed for the 50 year storm
- 0.5 feet of freeboard is recommended between the 10 year storm and the earthen spillway

## **STORMWATER PERMITTING CHECKLIST FOR ENGINEERS (cont.)**

- 0.5 feet of freeboard between the 50 year storm and top of the dike is recommended
- Emergency spillway should not be built on fill slopes if possible

### **16. STABLE CHANNEL CALCULATIONS**

- Must be able to handle the peak capacity of the 10 year storm without eroding

### **17. SEDIMENTOLOGY**

- Sediment basins are required when 10 or more disturbed acres drain to a single outlet
- Basin should provide 80% trapping efficiency – provide calculations
- Temporary sediment traps should only be sized for 5 acres or less draining to them and should provide at least 1800 cubic feet of storage/acre draining to them
- Hay bales are not recommended to be used alone
- Silt fence should not be specified in areas of concentrated flow

### **18. SITE PLANS CHECKLIST**

- North arrow and scale
- Property lines, adjacent landowners, and land-use conditions
- Legend
- Registered engineer's stamp
- Certification of Approval (COA) stamp
- Existing and proposed contours
- Limits of disturbed areas
- Delineation of wetlands and/or waters of the state
- Easements
- Road profiles with existing and proposed ground levels
- Construction sequence (include implementation of all sediment and stormwater controls)
- Locations of all temporary and permanent control measures
- Details of all temporary and permanent control measures
- Grassing and stabilization specifications
- Maintenance requirements (for the temporary and permanent controls, grassing, etc.)
- Construction entrance/exit
- Standard notes
- Location map

## **STORMWATER PERMITTING CHECKLIST FOR ENGINEERS (cont.)**

### **19. STANDARD NOTES**

- If necessary, slopes which exceed eight (8) vertical feet should be stabilized with synthetic or vegetative mats, in addition to hydroseeding. It may be necessary to install temporary slope drains during construction. Temporary berms may be needed daily until the slope is brought to grade
- 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 fourteen (14) days after work has ceased, unless activity in that portion of the site will resume within twenty-one (21) days.
- All sediment and erosion control devices shall be inspected every seven (7) days or after each rainfall occurrence that exceeds one-half (0.5) inch. Damaged or ineffective devices shall be repaired or replaced, as necessary
- Provide silt fence and/or other control devices, as may be required, to control soil erosion during utility construction. All disturbed areas shall be cleaned, graded, and stabilized with grassing immediately after the utility installation
- All erosion control devices shall be properly maintained during all phases of construction until the completion of all construction activities and all disturbed areas have been stabilized. Additional control devices may be required during construction in order to control erosion and /or offsite sedimentation. All temporary control devices shall be removed once construction is complete and the site is stabilized.
- The contractor must take necessary action to minimize the tracking of mud onto the paved roadway from construction areas. The contractor shall daily remove mud/soil from pavement, as may be required.



**STORMWATER  
NOTICE OF INTENT (NOI)**  
FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES  
THAT ARE CLASSIFIED AS "ASSOCIATED WITH INDUSTRIAL ACTIVITY"  
NPDES GENERAL PERMIT #SCR100000

SEE REVERSE FOR INSTRUCTIONS

Submission of this Notice of Intent constitutes notice that the party identified in Section I intends to be authorized by a NPDES permit issued for storm water discharges associated with construction activity in a location identified in Section II. Becoming a permittee obligates such a discharge to comply with the terms and conditions of the permit. ALL NECESSARY INFORMATION MUST BE PROVIDED ON THIS FORM. **A FEE OF \$125 IS REQUIRED FOR COVERAGE UNDER THIS PERMIT.**

**I. Facility Owner Information**

Name: \_\_\_\_\_ Phone: (\_\_\_\_) \_\_\_\_\_  
 Address: \_\_\_\_\_ Ownership Status: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_-\_\_\_\_\_

**II. Facility/Site Location Information**

Name: \_\_\_\_\_ Is the Facility located on Indian Lands?   
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_-\_\_\_\_\_  
 Latitude: \_\_\_\_\_° \_\_\_\_\_' \_\_\_\_\_" Longitude: \_\_\_\_\_° \_\_\_\_\_' \_\_\_\_\_" County: \_\_\_\_\_  
 USGS Map Quadrant Name: \_\_\_\_\_

**III. Site Activity Information**

MS4 Operator Name: \_\_\_\_\_  
 Receiving Water Body: \_\_\_\_\_  
 Storm Water Permit No.: SCR000000 Are there existing quantitative data? (Y/N)  Is the Facility required to submit monitoring data? (1,2, or 3)   
 SIC or Activity Code: Primary: \_\_\_\_\_ 2nd: \_\_\_\_\_ 3rd: \_\_\_\_\_ 4th: \_\_\_\_\_  
 Basin #: \_\_\_\_\_  
(for internal use only)  
 Other NPDES Numbers: \_\_\_\_\_

**IV. Additional Site Activity Information**

|                     |                  |  |  |
|---------------------|------------------|--|--|
| Project Start date: | Completion date: | Estimated area to be disturbed: (in acres) | Is the Stormwater Pollution Prevention Plan in compliance with State and/or Local Sediment and Erosion Plans? (Y or N) |
| _____               | _____            | _____                                      | <input type="checkbox"/>   |

**IV. 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 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 that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Print Name: \_\_\_\_\_ Title: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## INSTRUCTIONS

### Notice Of Intent (NOI) For Storm Water Discharges Associated With Industrial Activity To Be Covered Under the NPDES General Permit

#### Who Must File A Notice of Intent (NOI) Form

Federal law at 40 CFR Part 122 prohibits point source discharges of storm water associated with industrial activity to a water body(ies) of the U.S. without a National Pollutant Discharge Elimination System (NPDES) permit. The operator of an industrial activity that has such a storm water discharge must submit a NOI to obtain coverage under the NPDES Storm Water General Permit. If you have question 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, contact S.C. DHEC at (803) 734-5300.

#### Where To File NOI Form

NOIs must be sent to the following address:  
SC Dept. of Health & Env. Control  
Stormwater & Agricultural Permitting Section  
2600 Bull Street  
Columbia, SC 29201-1708

#### Completing The Form

You must 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 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 S.C. DHEC at (803) 734-5300.

#### Fees:

An NPDES administration fee of \$125 is required. Make check payable to S.C. DHEC and attach to NOI.

#### Section I: 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. Enter the appropriate letter to indicate the legal status of the operator of the facility.

F=Federal                      M=Public (other than federal or state)  
S=State                        P=Private

#### Section II: 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, enter the nearest county road number. Also include the latitude and longitude of the facility to the nearest 15 seconds of the approximate center of the site.

#### Section III: Site Activity Information

If the storm water discharges to a municipal separate storm sewer system (MS4), enter the name of the operator of the MS4 (e.g., municipality name, county name) and the receiving water of the discharge from the MS4. (A MS4 is defined as a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) that is owned or operated by a state, city, town, borough, county, parish, district, association, or other public body which is designed or used for collecting or conveying storm water.)

If the facility discharges storm water directly to receiving water(s), enter the name of the receiving water.

If you are filing as a co-permittee and a storm water general permit number has been issued, enter that number in the space provided.

Indicate whether or not the owner or operator of the facility has existing quantitative data that represent the characteristics and concentration of pollutants in storm water discharges.

Indicate whether the facility is required to submit monitoring data by entering one of the following:

- 1 = Not required to submit monitoring data;
- 2 = Required to submit monitoring data;
- 3 = Not required to submit monitoring data; submitting certification for monitoring exclusion

Those facilities that must submit monitoring data (e.g., choice 2) are: Section 313 EPCRA facilities: primary metal industries; land disposal units/incinerators/BIFs: wood treatment facilities; facilities with coal pile runoff; and, battery reclaimers.

List, in descending order of significance, up to four 4-digit standard industrial classification (SIC) codes that best describe the principal products or services provided at the facility or site identified in Section II of this application.

For industrial activities defined in 40 CFR 122.26(b)(14)(i)-(xi) that do not have SIC codes that accurately describe the principal products produced or services provided, the following 2-character codes are to be used:

HZ = Hazardous waste treatment, storage, or disposal facilities, including those that are operating under interim status or a permit under subtitle C of RCRA {40 CFR 122.26(b)(14)(iv)};

LF = Landfills, land application sites, and open dumps that receive or have received any industrial wastes, including those that are subject to regulation under subtitle D of RCRA {40 CFR 122.26(b)(14)(v)};

SE = Steam electric power generating facilities, including coal handling sites {40 CFR 122.26(b)(14)(vii)};

TW = Treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system, used in the storage, treatment, recycling, and reclamation of municipal or domestic sewage {40 CFR 122.26(b)(14)(ix)}; or,

If the facility listed in Section II has participated in Part 1 of an approved storm water group application and a group number has been assigned, enter the group application number in the space provided.

Basin number designates one of the five major watersheds in South Carolina in which the facility is located. This information will be entered by the Department.

If there are other NPDES permits presently issued for the facility or site listed in Section II, list the permit numbers. If an application for the facility has been submitted but no permit number has been assigned, enter the application number.

#### Section IV: Additional Site Activity Information

Enter the project start date and the estimated completion date for the entire development; plan.

Provide an estimate of the total number of acres of the site on which soil will be disturbed (round to the nearest acre).

Indicate whether the storm water pollution prevention plan for the site is in compliance with approved state and/or local sediment and erosion plans, permits, or storm water management plans.

#### Section V: 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), 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 elective 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, 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: Manager, Storm Water & Agricultural Permitting Section, Bureau of Water, S.C. Dept. of Health & Environmental Control, 2600 Bull Street, Columbia, SC 29201-1708.



## Instructions for Completing Notice of Termination (NOT) Form

### Who May File a Notice of Termination (NOT) Form

Permittees who are presently covered under the EPA issued National Pollutant Discharge Elimination System (NPDES) General 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 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 following address:

SC Dept. of Health & Env. Control  
Stormwater & Agricultural Permitting Section  
2600 Bull Street  
Columbia, SC 29201-1708

### Completing The Form

You must 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 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 S.C. DHEC at (803) 734-5300.

### Section I: Permit Information

Enter the existing NPDES Storm Water General Permit number assigned to 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.

Enter the appropriate letter to indicate the legal status of the operator of the facility.

F=Federal

M=Public (other than federal or state)

S=State

P=Private

### 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), 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

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**ENCLOSURE 5**

**Fort Jackson Minimal Best Management Practices (BMPs)**

## ENCLOSURE 5

### Fort Jackson Minimal Best Management Practices (BMPs)

#### 1. Establishment of Permanent Vegetation

The establishment of permanent vegetation is essential in most erosion control applications. To be successful in establishing vegetation on the sandy soils at Fort Jackson, always apply lime and fertilizer. Lime raises the pH of the acidic sandy soils; fertilizer adds nutrients to the soil for adequate plant growth. Without lime to adjust the pH, fertilizer has little effect. Once lime and fertilizer are incorporated, seed should be planted using conventional, broadcast, or hydroseeding methods. Conventional or broadcast methods are preferred because seed is placed into and in contact with the soil thus providing a better opportunity for seed germination. Straw mulch is important to protect the bare soil from raindrop impact and help to hold in moisture for seed germination.

##### a. Planting Specifications

- 1.5 tons of agricultural lime per acre (70 #/1000 square feet)
- if hydroseeding, 2 gallons liquid lime per acre in addition to agricultural lime
- 700 # 10-10-10 fertilizer ,or equivalent, per acre (16# per 1000 square feet)
- Incorporate lime and fertilizer
- Plant seed using conventional planting, broadcast, or hydroseeding methods
- Mulch with 1 ½ tons per acre wheat straw
- Crimp straw into soil or use a tackifier to hold straw in place

##### b. Suggested Seeding Mixtures

#### **Tall Grass Mixture for Spring/Summer Seeding in Unmowed Areas (Optimum Date to Plant is 1 March to 15 June)**

| Seed  | Pounds per Acre | Ounces per 1000 Sq Ft | Minimum % Purity | Minimum % Germination | Foot-notes |
|---|-----------------|-----------------------|------------------|-----------------------|------------|
| *Oats                                       | 10              | 4oz                   | 98               | 85                    |            |
| Browntop Millet                             | 10              | 4 oz                  | 98               | 85                    |            |
| Bahiagrass                                  | 25              | 8 oz                  | 65               | 70                    |            |
| Appalow sericea<br>Lespedeza<br>(scarified) | 20              | 8 0z                  | 98               | 85                    | (1)<br>(2) |
| Weeping lovegrass                           | 2               | 1 oz                  | 95               | 80                    |            |
| Kobe lespedeza                              | 5               | 2 oz                  | 97               | 85                    | (1)<br>(2) |
| Switchgrass                                 | 2 PLS (3)       | 1 oz                  |                  |                       |            |

\* Oats should be added to mixture if seeding date is prior to April 15.

**Turf Mixture for Spring/Summer Seeding in Mowed and Maintained Areas  
(Optimum Date to Plant is 1 March to 15 July)**

| Seed                               | Pounds per Acre | Ounces per 1000 Sq Ft | Minimum % Purity | Minimum % Germination | Foot-notes |
|------------------------------------|-----------------|-----------------------|------------------|-----------------------|------------|
| Browntop Millet                    | 10              | 4 oz                  | 98               | 85                    |            |
| Bahiagrass                         | 30              | 11 oz                 | 65               | 70                    |            |
| Common Bermudagrass (without hull) | 6-8             | 3-4                   | 97               | 85                    |            |

**Tall Grass Mixture for Fall/Winter Seeding in Unmowed Areas  
(Optimum Date to Plant is 1 September to 15 November)**

| Seed                                    | Pounds per Acre | Ounces per 1000 Sq Ft | Minimum % Purity | Minimum % Germination | Foot-notes |
|---|-----------------|-----------------------|------------------|-----------------------|------------|
| Rye (Grain)                             | 56              | 21 oz                 | 97               | 85                    |            |
| Bahiagrass                              | 40              | 15 oz                 | 65               | 70                    |            |
| Appalow sericea Lespedeza (unscarified) | 60              | 22 oz                 | 98               | 85                    | (1)<br>(2) |
| Switchgrass                             | 2 PLS           | 1 oz                  |                  |                       | (3)        |
| Crimson Clover                          | 5               | 2                     |                  |                       |            |

**Turf Mixture for Fall Seeding in Mowed/Maintained Areas  
(Optimum Date to Plant is 1 September to 15 November) \***

| Seed                             | Pounds per Acre | Ounces per 1000 Sq Ft | Minimum % Purity | Minimum % Germination | Foot-notes |
|----------------------------------|-----------------|-----------------------|------------------|-----------------------|------------|
| Rye (Grain)                      | 56              | 21 oz                 | 97               | 85                    |            |
| Bahiagrass                       | 40              | 15 oz                 | 65               | 70                    |            |
| Common Bermudagrass (with hulls) | 8               | 4                     | 97               | 85                    |            |

\*Common bermudagrass with hulls can also be planted from 10 January - 20 March)

**\*Footnotes:**

(1) Includes hard seed.

(2) Seeds of appalow sericea lespedeza, Kobe lespedeza, and Crimson Clover shall be inoculated with an appropriate culture of nitrogen-fixing bacteria. The inoculate shall be applied in accordance with the manufacturer's directions. (If hydroseeding, use 4 times the recommended rate or inoculant).

(3) Pure live seed: Seed germination shall not be less than 50%.

c. Maintenance Fertilizer. In the nutrient-poor soils of Fort Jackson, all seeded areas should have a follow-up application of fertilizer at the beginning of the second growing season at a rate of approximately 500 pounds of 10-10-10 or equivalent (11# per 1000 square feet).

## 2. Storm Drain Inlet Protection

Many times, land disturbing activities - even small ones - take place adjacent to storm drains. Sediment can easily enter these drains and be deposited in ponds, streams, wetlands, and/or off the installation. To prevent this, storm drain inlets should be protected using silt fence, or stone (see BMP Attachment 1).

## 3. Storm Drain Outlet Protection

Once stormwater runoff enters a storm drain system, resistance in the pipe is minimal and the drop in elevation can be significant. The result is stormwater exiting the outlet pipe at significantly increased velocities causing soil erosion. All outlets should be protected with rip rap to decrease water velocity and protect the soil. The outlet should be excavated and the rip rap placed so that water flows over the rock rather than through the rock. Geotextile filter fabric should always be placed underneath the rip rap. (See BMP Attachment 2)

## 4. Silt Fence

Silt fence should be placed below disturbed areas where the size of the area is no more than  $\frac{1}{4}$  acre per 100 feet of silt fence length, the maximum slope length behind the fence is 100 feet and the maximum gradient behind the fence is 25 percent. (See BMP Attachment 3)

## 5. Tracking

Many times slopes are disturbed for maintenance or various construction activities. Before the slope is seeded, run a bulldozer up and down the slope. The tracks make grooves in the soil. Broadcast seed and rainwater runoff collects in these grooves providing a moist environment for seed germination. After straw mulching is completed, run the bulldozer up and down the slope again to tack the straw into the soil. (See BMP Attachment 4)

**ENCLOSURE 6**

**CO-PERMITTEE AGREEMENT  
FOR LAND DISTURBANCES OF 5 ACRES OR GREATER**

**NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM  
CONSTRUCTION ACTIVITIES THAT ARE CLASSIFIED AS “ASSOCIATED WITH  
INDUSTRIAL ACTIVITY” BY EPA REGULATION (PERMIT NO.: SCR100000)**

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**CO-PERMITTEE AGREEMENT  
FOR LAND DISTURBANCES **LESS THAN** 5 ACRES  
(Not Covered Under NPDES)**

CO-PERMITTEE AGREEMENT  
**LAND DISTURBING ACTIVITIES LESS THAN 5 ACRES**  
(for activities not covered under NPDES)

All contractors and subcontractors of the owner/operator whose activities at a construction site on Fort Jackson, South Carolina, of less than 5 acres involve land disturbing activities at the construction site, shall sign a copy of the certification given below:

I certify by my signature below that I accept the terms and conditions of the stormwater management and sediment control plan (SMSCP) as required by the South Carolina Stormwater Management and Sediment Reduction Act of 1991 (SMSRA) which has been submitted and approved (if more than 2 acres) for the construction activity for which I have been contracted to perform construction related professional services. Further, by my signature below, I understand that I am becoming a co-permittee with the owner/operator and other contractors that have become co-permittees to the SMSRA permit issued for the project for which I have been contracted to perform professional construction services. I understand that I, and my company, as the case may be, are legally accountable to the United States Training Center and Fort Jackson (Fort Jackson), and the South Carolina Department of Health and Environmental Control (DHEC), to ensure compliance with the terms and conditions of the SMSCP. I also understand that Fort Jackson and DHEC enforcement actions may be taken against any specific co-permittee or combination of co-permittees if the terms and conditions of the SMSCP are not met. Therefore, having understood the above information, I am signing this certification and am receiving co-permittee status to the aforementioned SMSRA permit.

\_\_\_\_\_ Dated \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Title or Position)

\_\_\_\_\_  
(Name of contractor/subcontractor)

\_\_\_\_\_  
(Address)

**ENCLOSURE 7**

**Fort Jackson Stormwater Management and Sediment Control Field Inspection Report**

**Fort Jackson Stormwater Management and Sediment Control Field Inspection Report**

PROJECT: \_\_\_\_\_ INSPECTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

Is there a set of the approved plans on site? \_\_\_\_Yes \_\_\_\_No

Has an adequate inspection record been kept on file? \_\_\_\_Yes \_\_\_\_No

**CONDITION                      CORRECTIVE ACTION**

| <i>Detention/Retention Structures (detention ponds, sediment basins, etc.)</i> |  |  | <i>site map area</i> |
|--|--|--|----------------------|
| Vegetation   |  |  |                      |
| Spillways  |  |  |                      |
| Embankments  |  |  |                      |
| Reservoir Areas  |  |  |                      |
| Outlet Channels  |  |  |                      |
| Underground Drainage   |  |  |                      |
| Sediment Load  |  |  |                      |
| Other  |  |  |                      |
| <b><i>Other Best Management Practices</i></b>                                  |  |  |                      |
| Silt Fence   |  |  |                      |
| Inlet Protection   |  |  |                      |
| Construction Exit  |  |  |                      |
| Waterway   |  |  |                      |
| Vegetation   |  |  |                      |
| Other  |  |  |                      |
| Other  |  |  |                      |

**These deficiencies must be corrected within \_\_\_\_\_ working days. A subsequent inspection will be made to ensure these deficiencies have been corrected. If corrective measures have not been made, appropriate action will be taken. (See paragraph 13 (e) of the MOI.**