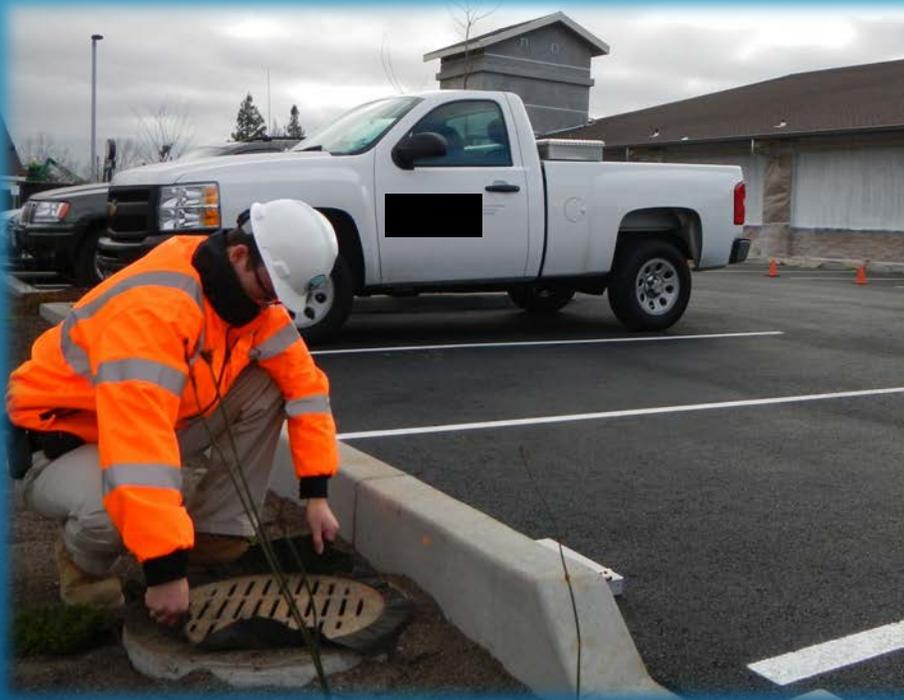


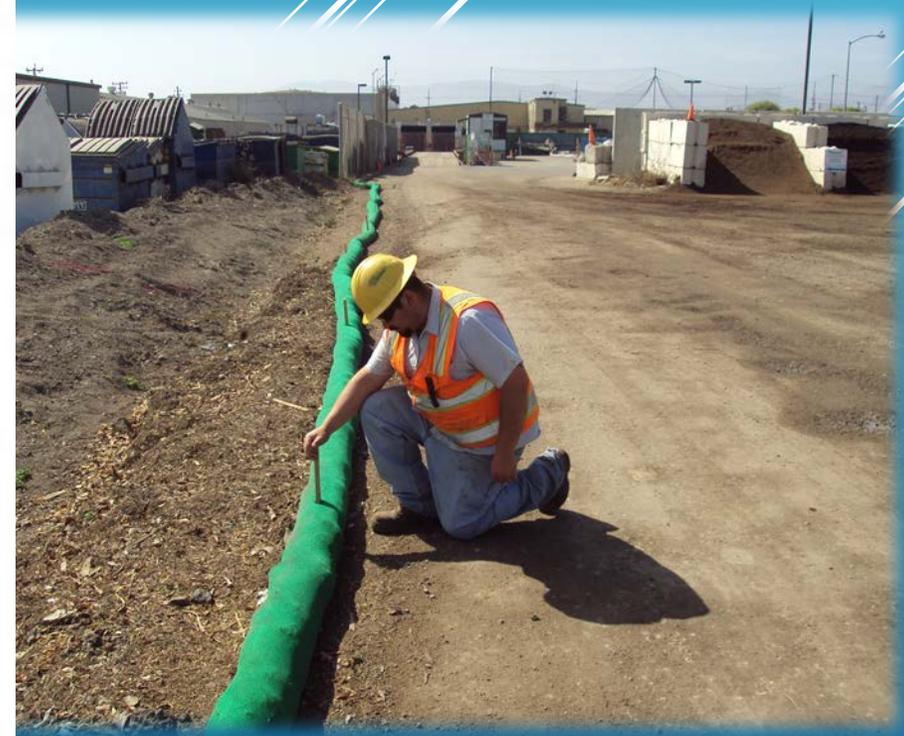
YOUR BMP INSPECTOR: BFF OR MORTAL ENEMY?

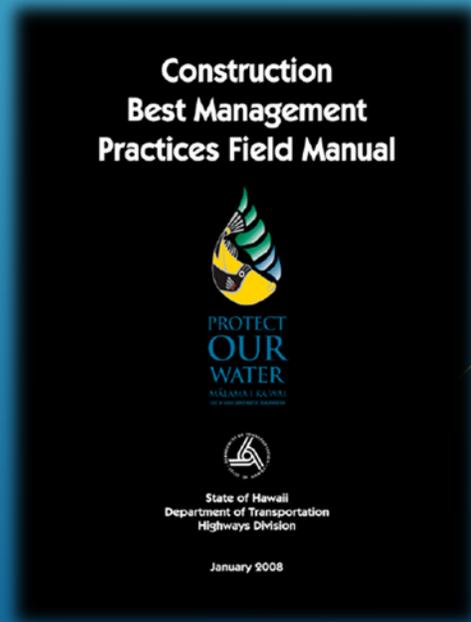
How to utilize the information from your site inspections for maximum effect on erosion and sediment control



Arizona Department of Environmental Quality
CONSTRUCTION GENERAL PERMIT (AGC001) SET
FIELD INSPECTION REPORT

PROJECT		T	B	NS	
Baffle location on site:					
Erosion BMPs:					
Silt traps (SDPs):					
All aspects of discharge (e.g. 1) location, 2) timing, 3) volume)					
Municipal separate storm sewer system (MS4)					
Source of the MS4:					
MUNICIPAL SEWER DISTRICT:					
Federal Discharge License No.:					
City name: _____ Regulatory Number: _____					
Regulated or Discharging Activity Name (EPA 40 CFR 401.15, 402-11-001.02) (if any)					
Regulatory authority (jurisdiction) (after other activities project)					
Total Maximum Daily Load (TMDL): _____					
Discharge is controlled and recorded as BOD5 on line					
Monitoring and record keeping (report BOD5 / DBO5)					
Special monitoring and record keeping (report TSS / pH)					
BMP PERFORMANCE		Passes	T	B	NS
Erosion prevention:					
Sediment control (SDCs):					
Silt traps (SDPs) (see note 1)					
Permeable pavement (PAP) (see note 1)					
Stormwater detention:					
Retention time (min) (15 days) (Retention time report)					
Sediment control:					
Wood Mulching - less than 100%					
Lined and reinforced concrete - within steel and					
Soil practices, measures, and controls (erosion, cutting, channels...)					
BMP compliance: _____ (see note 1) - (DPL)					
BMP maintenance required (all BMPs): _____					





Inspector Misconceptions:

- They are out to get you
- They only see mistakes
- They don't understand construction
- They don't like you





Inspector
Misconceptions:

They are out to get you

Inspector
Misconceptions:

They only see mistakes



Inspector
Misconceptions:

They don't understand
construction





Inspector
Misconceptions:

They don't like you

Inspector Duties:

- Determine permits/documents acquired/posted
- Determine SWPPP matches site BMPs
- Determine BMPs installed correctly and functional
- Determine sediment & turbidity are managed



SOUTH FLORIDA WATER MANAGEMENT DISTRICT
SURFACE WATER MANAGEMENT
PERMIT MODIFICATION NO. 48-00714-S-02

DATE ISSUED: SEPTEMBER 10, 1998

PERMITTEE: LBY COMMITTEES, INC.
 5000 S.W. 11TH AVENUE, SUITE 1000 (100E)
 MIAMI OFFICE BOX 10170
 LAKE BUENA VISTA, FL 32830-0170

ORIGINAL PERMIT ISSUED: SEPTEMBER 16, 1992

ORIGINAL PROJECT DESCRIPTION: CONSTRUCTION FOR A SURFACE WATER MANAGEMENT SYSTEM SERVING 27 ONE ACRES OF UNIMPROVED COMMERCIAL LAND WHICH DISCHARGES TO BENT CREEK AND CONCEPTUAL APPROVAL FOR THE 8500 ACRE WALKER RANCH AS MITIGATION FOR PROPOSED WETLAND IMPACTS.

APPROVED MODIFICATION: AUTHORIZATION FOR CONSTRUCTION AND OPERATION OF A SURFACE WATER MANAGEMENT SYSTEM TO PROVIDE A 100-1-ACRE COMMERCIAL DEVELOPMENT DISCHARGING TO BENT CREEK VIA EXISTING WETLANDS.

PROJECT LOCATION: ORANGE COUNTY SECTION 33.04 TWP 24S RGE 27E

PERMIT DURATION: Five years from the date issued to complete construction of the surface water management system as authorized herein. See sections Rule 62-21.02, Florida Administrative Code.

This Permit Modification is approved pursuant to Application No. 88047-3, dated April 23, 1998. Permittee agrees to hold and save the South Florida Water Management District and its successors harmless from any and all claims, damages or liabilities which may arise by reason of the construction, operation, maintenance or use of any activities authorized by this Permit. This Permit is issued under the provisions of Subsections 373.41(1)(1)-(14), Florida Statutes (F.S.), and the Operating Agreement Concerning Regulation Road Part IV, Chapter 373 F.S. between South Florida Water Management District and the Department of Environmental Protection. Issuance of this Permit constitutes certification of compliance with state water quality standards where necessary pursuant to Section 401, Public Law 92-193, 33 USC Section 401, unless this Permit is issued pursuant to the non-applicable provisions of Subsections 373.41(1)(3), F.S., or an otherwise stated basis.

This Permit Modification may be renewed, suspended, or modified at any time pursuant to the appropriate provisions of Chapter 373, F.S., and Sections 402.01(1), (2), and (4), Florida Administrative Code (F.A.C.). This Permit Modification may be transferred pursuant to the appropriate provisions of Chapter 373, F.S., and Sections 401.01(7)(1) and (2), and 402.01(1), (2), and (4), F.A.C.

All specifications and special and loading/general conditions attached to the original permit, unless specifically amended by this or previous modifications, remain in effect.

This Permit Modification shall be subject to the General Conditions set forth in Rule 62-21.02, F.A.C., unless waived or modified by the governing board. The application, and Surface Water Management Staff Review Summary of the application, including all conditions, and all plans and specifications incorporated by reference, are a part of this Permit Modification. All activities authorized by this Permit Modification shall be implemented as set forth in the plans, specifications, and performance criteria as set forth and incorporated in the Surface Water Management Staff Review Summary, within 30 days and certification by a registered professional engineer or other appropriate individual, pursuant to the appropriate provisions of Chapter 373, F.S., and Sections 402.01(1) and 402.01(2), F.A.C.

On the event the property is sold or otherwise conveyed, the permittee will remain liable for compliance with this Permit until transfer is approved by the District pursuant to Rule 62-21.02, F.A.C.

SPECIAL AND LIMITING CONDITIONS ARE AS FOLLOWS:
 SEE PAGES 2-3 OF 4 (IF SPECIAL CONDITIONS).
 SEE PAGES 2-3 OF 4 (IF LIMITING CONDITIONS).

PERMIT MODIFICATION APPROVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT

FILED WITH THE CLERK OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT

BY: [Signature] ASSISTANT SECRETARY

[Signature] DEPUTY CLERK

PAGE 1 OF 5

Florida Department of Environmental Protection

NOTICE OF INTENT TO USE NPDES GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (RULE 62-621.300(4), F.A.C.)

You must submit this completed Notice of Intent (NOI) form to the Department to get coverage under the Generic Permit for Stormwater Discharge from Large and Small Construction Activities provided in subsection 62-621.300(4), F.A.C. The Generic Permit document [DWP Document 62-621.300(4)(a)] tells you what construction activity qualifies for coverage, how you obtain and terminate coverage, what you must do to minimize pollution from your construction site, and what conditions apply to your project to use the generic permit. You must submit the appropriate generic permit fee, as specified in paragraph 62-4.050(4)(d), F.A.C., with this NOI Form to obtain permit coverage. You must read and understand the requirements of the generic permit document and the attached instructions before completing this NOI form. Please print or type information in the appropriate areas below.

For construction activities also requiring an Individual Environmental Resource Permit (ERP), under Chapter 62-330, F.A.C.: If your construction activities are already authorized by a valid Individual ERP issued by the Department, Water Management District or a Delegated Local Government, you may also elect to use this NOI form to provide the required notice of commencement of construction, in lieu of Form 62-330.350(1) ("Construction Commencement Notice").

Do you wish to also provide notice of commencement of construction activities authorized under an Individual ERP permit through the use of this form? Yes No

I. IDENTIFICATION NUMBER:
 A. Facility ID (if renewing coverage): _____
 B. ERP Permit Number* (if applicable): _____
 C. ERP Permitting Agency (if applicable): _____
 *If the ERP permit authorizes phased construction, please also indicate which phase.

II. STORMWATER POLLUTION PREVENTION PLAN (SWPPP) DEVELOPED AND READY TO BE IMPLEMENTED: Yes No
 *If No, you may not submit your NOI at this time.

III. APPLICANT INFORMATION:

A. Operator Name: * ERP Permittee Name (if different than "Operator"), if applicable:		B. Operator Status:	
C. Address:			
D. City:	E. State:	F. Zip Code:	
G. Responsible Authority:			

DWP Form 62-621.300(4)(b)
 Effective Date: 02-2015

Page 1 of 6



Inspector Duties:

Determine permits/documents acquired/posted

Inspector Duties:

Determine SWPPP matches site BMPs





- Perimeter Controls
- Entrances/Tracking
- Slopes/Drainage
- Inlets



- Perimeter Controls
- Entrances/Tracking
- Slopes/Drainage
- Inlets



Inspector Duties:

Determine sediment & turbidity are managed



How can inspectors help contractors?

- Document compliance
- Document response to issues
- Document other sub-contractor compliance
- Document BMP performance





Inspectors are your eyes and ears on how well your site controls erosion, sediment, and turbidity impacts

How to better utilize inspectors?

- Good communication is the key to success
- Follow-up quickly on issues to keep problems small
- Listen to suggestions for improving a BMP issue



CONSTRUCTION BMPs:
INLET PROTECTION



How to better utilize inspectors?

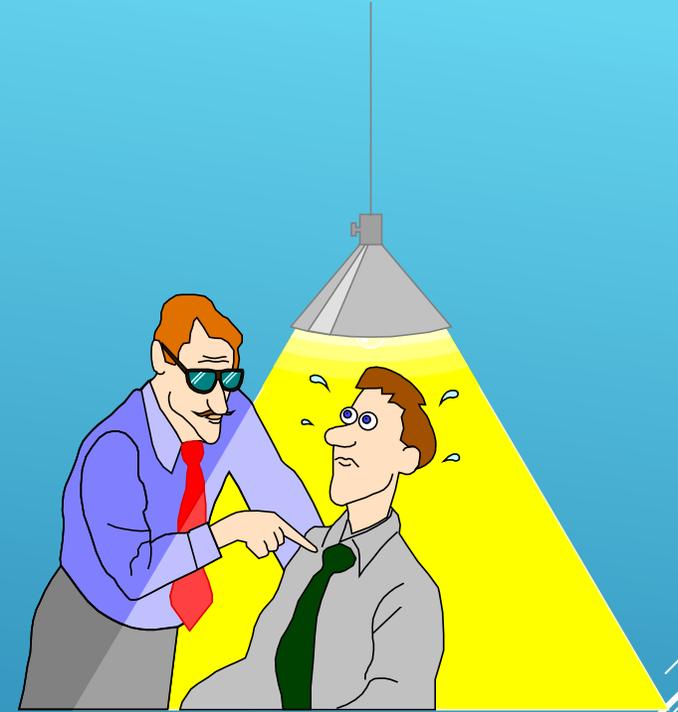
- Inspectors are trying to save you money
- Inspectors are trying to keep you from having a compliance issue
- They really care about their job too



SITE INSPECTION

Causes of Noncompliance

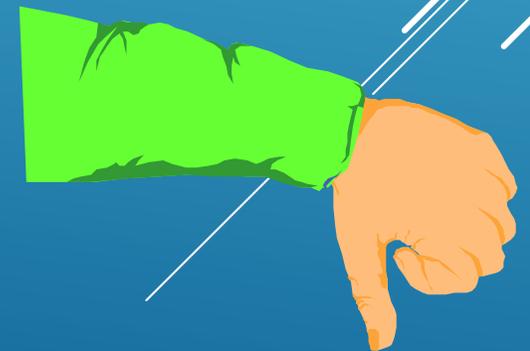
- ▶ Little or no effort to comply
- ▶ Inadequate design or changes in site conditions
- ▶ Faulty installation and/or poor maintenance



CAUSES OF NONCOMPLIANCE

Little or no effort to comply

- ▶ Not submitting a plan or applying for a permit
- ▶ Failure to follow approved plan





Little or No Effort to Comply

CAUSES OF NONCOMPLIANCE

Inadequate design or changes in site conditions

- ▶ Structural BMPs ineffective
- ▶ Ground covers failing due to slope or excessive runoff velocity and/or volume
- ▶ Contributing areas changed, additional BMPs required
- ▶ Maintenance overload





**Inadequate Design or
Changes in Site Conditions**

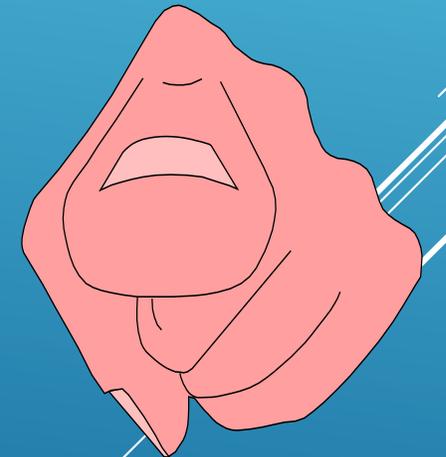


**Inadequate Design or
Changes in Site Conditions**

CAUSES OF NONCOMPLIANCE

Faulty installation and/or poor maintenance

- ▶ This is the **MOST COMMON REASON**
- ▶ This is the reason why **YOU ARE HERE**



Poor Maintenance



Faulty
Installation



INSPECTOR MAY KNOW A BETTER BMP





Education and Training



Learn to Use the
Proper BMPs



Keep Problems Small



Keep Problems Small



Keep Problems Small

Work Together For Success!



Contact information:

Applied Polymer Systems, Inc.

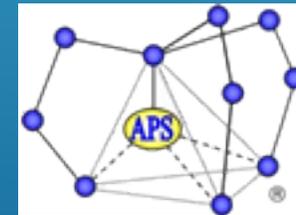
info@siltstop.com

678-494-5998

Eddie Snell

Eddie.Snell@siltstop.com

404-915-9165



Applied Polymer Systems, Inc

Established 1997