

Alan Wertepny, P.E.
Vice President, Water Resources
Mock Roos
5720 Corporate Way
West Palm Beach, FL 33407

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Subject:

RAI Response for the Village of Tequesta's NPDES 2012 Annual Report Form

WATER RESOURCES

Dear Mr. Alan Wertepny,

Date:

September 17, 2013

The RAI letter sent from the Florida Department of Environmental Protection dated August 6, 2013 has been reviewed by our office on behalf of the Village of Tequesta. There were four items that the Village needs to address and those have been listed below with a schedule for completion.

Contact:

Samantha Ciminello, E.I.

Phone:

561-697-7007

Email:

Samantha.ciminello@arcad-us.com

Our ref:

RF005106.0000

1. Landscape Ordinance of the Florida-Friendly Fertilizer Ordinance does not contain all fertilizer ordinance elements. – A representative from the FDEP has been contacted and provided the additional information that needs to be included in the Tequesta ordinances. This information will be compiled and put before the Village Council for their next available meeting, which will be either October 10, 2013 or November 14, 2013.
2. The Evaluation of Effectiveness (Section VIII of the Annual Report) was submitted on the incorrect form. - The correct form has been used and enclosed as an attachment.
3. The Street Sweeping Program for TN and TP reduction did not utilize the FSA Load Reduction Tool. – The load reduction tool has been used and the calculations sheet has been enclosed as an attachment.
4. The Illicit Discharge Training or Spill Prevention and Response Training were not completed. – The training video shall be picked up from the Mock Roos office and training will be completed as soon as possible.

Florida License Numbers

Engineering
EB00007917

Geology
GB564

Surveying
LB7062

If there is any additional information that is required to be provided or if there is something that needs further discussion, please don't hesitate to contact our office.

Sincerely,

ARCADIS U.S., Inc.



Samantha Ciminello, E.I.
Water Resources Engineer I

Enclosed:

Evaluation of Effectiveness (Section VIII of the Annual Report)
Calculation Results of FSA Load Reduction Tool for TN and TP

Copies:

File (1)

Thomas C. Jensen, ARCADIS US, Inc.
Michael Couzzo, Village Manager

Calculated Nutrient Load Reductions from MS4 Maintenance Practices

FSA 2012

TOTAL PHOSPHORUS

Street Sweepings - Dry Mass Collected (Kg)

Input and Output

34,313
12
0
0
0
0

Amount of TP Removed (Kilograms)

Catch Basins - Dry Mass Collected

Amount of TP Removed (Kilograms)

BMP - Dry Mass Collected

Amount of TP Removed (Kilograms)

Subtotal TP Removed (Kilograms)

12

0

0

GRAND TOTAL TP REMOVED (KILOGRAMS) =

GRAND TOTAL TP REMOVED (POUNDS) =

12

27

TOTAL NITROGEN

Street Sweepings - Dry Mass Collected (Kg)

Input and Output

34,313
19
0
0
0
0

Amount of TN Removed (Kilograms)

Catch Basins - Dry Mass Collected

Amount of TN Removed (Kilograms)

BMP - Dry Mass Collected

Amount of TN Removed (Kilograms)

Subtotal TN Removed (Kilograms)

19

0

0

GRAND TOTAL TN REMOVED (KILOGRAMS) =

GRAND TOTAL TN REMOVED (POUNDS) =

19

43

SECTION VIII. EVALUATION OF THE STORMWATER MANAGEMENT PROGRAM (SWMP)

Permit Citation/ SWMP Element	SWMP EVALUATION
Part II.A.1 Structural control inspection and maintenance	Strengths: Provides a consistent standard to follow for all inspections in the Village of stormwater structures.
	Weaknesses: None
	SWMP Revisions to address deficiencies: No revisions recommended at this time.
Part II.A.2 Significant redevelopment	Strengths: Provides a clear outline of the appropriate land development and landscaping designs that should be implemented to ensure good stormwater management practices.
	Weaknesses: None
	SWMP Revisions to address deficiencies: No revisions recommended at this time.
Part II.A.3 Roadways	Strengths: Outlines all activity to improve roadways, including litter control and street sweeping.
	Weaknesses: None
	SWMP Revisions to address deficiencies: No revisions recommended at this time.
Part II.A.4 Flood control	Strengths: N/A
	Weaknesses: N/A
	SWMP Revisions to address deficiencies: N/A
Part II.A.5 Waste TSD Facilities	Strengths: N/A
	Weaknesses: N/A
	SWMP Revisions to address deficiencies: N/A, Loxahatchee River District is responsible for this.
Part II.A.6 Pesticide, herbicide, fertilizer application	Strengths: Clearly outlines appropriate herbicides and pesticides that have been approved for safe usage and all applicators have been properly trained.
	Weaknesses: None
	SWMP Revisions to address deficiencies: No revisions are recommended at this time.
Part II.A.7 Illicit Discharge Detection and Elimination	Strengths: Proactive routine inspection is required to be performed in order to attempt to reduce illicit discharges seen in the Village.
	Weaknesses: N/A

A.

SECTION VIII. EVALUATION OF THE STORMWATER MANAGEMENT PROGRAM (SWMP)

	SWMP Revisions to address deficiencies: No revisions recommended at this time.
Part II.A.8 High Risk Industry Runoff	Strengths: N/A
	Weaknesses: N/A
	SWMP Revisions to address deficiencies: N/A, no high risk industry in the Village
Part II.A.9 Construction Site Runoff	Strengths: regulations are set in place so appropriate measures are taken to ensure erosion and sediment control to prevent unnecessary runoff into MS4 waterways.
	Weaknesses: None
	SWMP Revisions to address deficiencies: No revisions recommended at this time.