



*Over 85 Years of Service*

**MEMORANDUM**

**TO:** Board of Supervisors

**FROM:** Michael A. Dillon

**SUBJECT:** Manager of Operations' Report for the period September 9, 2011 through October 12, 2011

**DATE:** October 12, 2011

**ADMINISTRATIVE:**

1. Received \$7,500.00 from Palm Beach County for quarterly maintenance of county roads.
2. Meetings and phone conversations with landowners regarding various road and drainage issues.
3. Meetings with Terra Tech, the District's aquatic weed spraying contractor, regarding canal maintenance.
4. The District received 25 hours of community service at the work center.
5. Attended Staff meeting.
6. Terra Tech is willing to renew their annual canal maintenance contract through September 2012 at the same price.
7. Attended Loxahatchee River Preservation Initiative meeting.
8. Attended Loxahatchee River Management Coordinating Council meeting.
9. Received \$2,300.00 for monthly rental on the Verizon tower.

MEMORANDUM

To: Board of Supervisors

October 12, 2011

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10. George McGarry completed the District's annual inventory.
11. Meeting with Chief Wells of Palm Beach County Fire & Rescue regarding partial clearing of the Canal 9 right of way for traffic and safety issues.

**WATER CONTROL:**

1. Mowers and backhoes continue routine maintenance services on roadside swales and berms throughout the District.
2. Received 4.53 inches of rain at the District work center this reporting period.
3. District crews continue to replace inoperable culverts and install rip-rap bags at various locations throughout the District.
4. Prepared swale for one driveway culvert followed by inspection.
5. Terra Tech continues canal spraying for aquatic weed control.

**ROAD MAINTENANCE:**

1. Bess Trucking hauled 558 cubic yards of road material to District yard.
2. Graders and mowers are continuing maintenance on roadways throughout the District. Roads are being re-contoured to provide maximum run-off during rain events.
3. Hubbard Construction has completed work on the 16<sup>th</sup> Plan of Improvements O.G.E.M. road project in Jupiter Farms and Palm Beach Country Estates.

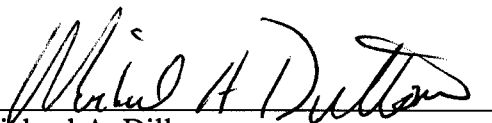
MEMORANDUM

To: Board of Supervisors

October 12, 2011

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4. Lynch Paving continues to work towards completion of the 16<sup>th</sup> Plan of Improvements asphalt road project in Palm Beach Country Estates.

  
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Michael A. Dillon  
Manager of Operations

MAD/hr



**DICK GRUENWALD  
ASSOCIATES, LLC**

Oct. 14, 2011

**TO:** Board of Supervisors, SOUTH INDIAN RIVER WATER CONTROL DISTRICT  
**FROM:** Dick Gruenwald Associates, DISTRICT PUBLIC INFORMATION SPECIALISTS  
**SUBJECT:** Monthly Report October 2011

News releases were sent out to local newspapers and community publications:

- ❖ October Monthly Meeting (Oct. 19) release
- ❖ Board of Supervisors Election results (Sept. 15) release

The following items were uploaded to the website:

- ❖ Board of Supervisors Election results (Sept. 15) release
- ❖ Annual Landowners meeting minutes (Sept. 16, 2010)
- ❖ 2011-2012 Monthly Meeting Dates
- ❖ October Staff monthly reports– Manager of Operations, Treasurer, Engineer, Public Information


We are working on the next edition of the SIRWCD newsletter including the annual reports from the Manager of Operations and District Engineer, election results, updates on EPA nutrient criteria standards, Roadway Improvement projects update, and NPDES information.

We continue to work on the overall re-design and update for the SIRWCD website to include a new look, better visibility and functionality, new information, NPDES educational aspects and more.

We continue to work with Mr. Rice and the Manager of Operations on a regular basis, as well as supplying supervisors and members of the staff newspaper clippings on SIRWCD related stories, articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally.



## Memorandum

To	South Indian River Water Control District Board of Supervisors	Page 6
CC		
Subject	Engineer's Report for October 2011	
From	Lennart J. Lindahl, PE, District Engineer 	
Board Meeting Date	October 19, 2011	

The following is a summary of activities and communications that were of significance during the month of October 2011:

### I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

A. The District received petitions from landowners to apply asphalt on certain roadways within Palm Beach Country Estates. The roads met the requirements to distribute a referendum to all benefited landowners. Pursuant to Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

- 72<sup>nd</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 165<sup>th</sup> Street N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
- 72<sup>nd</sup> Drive N. between 155<sup>th</sup> Drive N. and 159<sup>th</sup> Court N.
- 167<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 78<sup>th</sup> Drive N.
- 84<sup>th</sup> Avenue N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 140<sup>th</sup> Lane N. between 64<sup>th</sup> Drive N. and 69<sup>th</sup> Drive N.
- 75<sup>th</sup> Way N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 67<sup>th</sup> Avenue N. between 141<sup>st</sup> Lane N. and Donald Ross Road
- 71<sup>st</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 151<sup>st</sup> Court N. between 69<sup>th</sup> Drive N. and 69<sup>th</sup> Trail N.
- 154<sup>th</sup> Road N. between 69<sup>th</sup> Drive N. and 75<sup>th</sup> Ave. N. (Results received November 23, 2010)

At the August 12, 2010 meeting, the Board of Supervisors directed staff to move ahead with the proposed plan of improvements. Two public hearings have been held. The South Florida Water Management District has approved the plan of

improvements, and the surveying and the design of the proposed improvements have been completed.

On March 13, 2011, an invitation to bid was published in the local newspaper with the request that bidders obtain bid packages on March 16, 2011 and return their proposals by April 12, 2011. Staff received contractors' proposals and reviewed the completeness of each proposal. On May 5, 2011, the Board of Supervisors awarded the contract to Lynch Paving and Construction Company Inc. Staff negotiated the agreement with the contractor and a notice to proceed was issued on July 14, 2011. Construction began on July 25, 2011 and is continuing to progress. In accordance with the Board of Supervisors direction, staff has negotiated a change order for additional services related to Palm Beach Country Estates Park (Twisty Pines Park).

- B. The District received petitions from landowners to apply an Open Graded Emulsion Mix (OGEM) surface on certain roadways within the District. The following roadways met the requirements to distribute a referendum to all benefited landowners. Pursuant to the Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

- 98<sup>th</sup> Trail N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Road N.
- 151<sup>st</sup> Lane N. between 133<sup>rd</sup> Terrace N. and Canal 13
- 92<sup>nd</sup> Way N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Road N.
- 80<sup>th</sup> Drive N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 187<sup>th</sup> Place N. between 126<sup>th</sup> Terrace N. and 129<sup>th</sup> Terrace N. and 129<sup>th</sup> Terrace N. between 186<sup>th</sup> Court N. and 187<sup>th</sup> Place N.

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- C. The District has received petitions from landowners to apply both OGEM and Asphalt on certain roadways within the District. The following roadways are petitioning to distribute a referendum for OGEM:

- 151<sup>st</sup> Lane N. between 133<sup>rd</sup> Terrace N. and Canal 12
- 127<sup>th</sup> Drive N. between 187<sup>th</sup> Place N. and Old Indiantown Grade
- 126<sup>th</sup> Terrace N. between 165<sup>th</sup> Road N. and 169<sup>th</sup> Court N.

In addition to these roads, the following roadways are petitioning to distribute a referendum for asphalt in Palm Beach Country Estates:

- 73<sup>rd</sup> Terrace N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 79<sup>th</sup> Terrace N. between 155<sup>th</sup> Place N. and 162<sup>nd</sup> Court N.

Staff is prepared to discuss these requests at this month's Board of Supervisor's meeting.

## II. OPERATION AND MAINTENANCE

- A. A National Pollutant Discharge Elimination System (NPDES) Steering Committee Meeting was held on September 21, 2011. The major focus of the meeting was an update and discussion of Total Maximum Daily Loads (TMDLs) for our area that have been either adopted by the Florida Department of Environmental Protection (FDEP) or established by the Environmental Protection Agency (EPA) and the implementation process required to be in compliance with our NPDES Permit. A draft Fertilizer Ordinance for municipalities was also presented and discussed. Templates for the Standard Operating Procedures as required by our Third Term Permit are available for customization on the NPDES website. The next Steering Committee meeting is scheduled for November 17, 2011 at which Eric Livingston from FDEP will present updates and the co-permittees will have an opportunity to ask questions.
- B. On January 24, 2008, staff met with Palm Beach County to discuss their plans for the Hatcher/Indiantown Joint Venture Property. Palm Beach County is in the planning and permitting stages of a proposed project to improve the natural areas of the property while expanding the water features. Since the January 2008 meeting, staff has participated in many meetings with Palm Beach county to evaluate the project. On February 10, 2011, a Board of Supervisors workshop was held to update the Board and public on the project.

In accordance with Board direction, staff submitted a letter of conceptual approval to Palm Beach County subject to satisfying the items that were discussed at the Board of Supervisors meeting. SFWMD issued a permit for the project on July 5, 2011 and staff continues to coordinate with Palm Beach County on this project.

- C. In accordance with the direction provided at the December Board of Supervisors meeting, staff prepared a Minor and Insubstantial Plan Amendment to the 13<sup>th</sup> Plan of Improvements for the Board's consideration to allow for maintenance of the park in Palm Beach Country Estates. The Amendment was approved at the February Board of Supervisors meeting. Staff is currently reviewing information that was provided by the Twisty Pines Playground Foundation and is coordinating the timing of the operation and maintenance activities for the park. In addition, staff has negotiated a

change order with Lynch Paving and Construction Company, Inc. (the contractor for the 16<sup>th</sup> Plan of Improvements) to assist with the initial maintenance activities for the park.

- D. The Federal Emergency Management Agency (FEMA) is currently in the process of updating Palm Beach County's floodplain mapping. Staff has been contacted by FEMA representatives to provide any modeling information concerning the area. Staff will continue to coordinate with FEMA staff.

In addition, staff has researched the process for revising a FEMA floodplain map in the Palm Beach Country Estates area. At the May, 2010 Board of Supervisors meeting, the Board directed staff to send a letter to the affected landowners and determine if the landowners would like SIRWCD to pursue changing the floodplain map. A letter of interest was sent to the landowners.

At the August 12, 2010 Board of Supervisors' Meeting, the Board directed staff to submit a more detailed letter of interest to the landowners. Staff provided more detailed information in the fall newsletter and prepared a revised letter of interest that was mailed to the landowners. Responses were returned by February 28, 2011.

A total of 457 notices were mailed to lots within the FEMA floodzone designation area. A total of 79 landowners responded with 64 landowners responding as "Yes, I am interested in SIRWCD applying for a LOMR-F for my structure(s)." The notice stated to landowners that, "Depending on the number of participating landowners, the District estimates that this process will likely cost approximately \$200-\$500 per landowner."

Surveying began on May 3, 2011 for the preparation of the application for the LOMR-F and was completed May 20, 2011. Staff submitted the application to FEMA on July 11, 2011. On July 29, 2011, a notice was received from FEMA acknowledging receipt of the application and on August 24, 2011, FEMA sent a request for additional information. Staff responded to FEMA's request on September 22, 2011.

- E. SFWMD continues to operate the G-160 structure to maintain flood protection and is committed to coordinating with, and monitoring water levels at the perimeter of some of the communities adjacent to and east of the Loxahatchee Slough to determine if there are impacts to the communities resulting from the increased water levels. The monitoring wells installed in April 2010 in SIRWCD's perimeter levee for Palm Beach Country Estates are measuring surface and groundwater water levels in conjunction with the operation of the G-160 structure. There has not been a G-160 meeting since our last report.

Per the direction of the Board of Supervisors, staff obtained the services of a geotechnical firm to analyze the existing levee conditions with the new water level elevations that may occur as the G-160 becomes fully operational. A workshop was held on February 10, 2011 to discuss the findings of this report. The Board directed staff to coordinate some minor construction work on the levee in accordance with the findings on the geotechnical report. Construction began on June 6, 2011 and was completed on September 19, 2011.

- F. The North Palm Beach County - Part 1 Comprehensive Everglades Restoration Plan (CERP) Project has been renamed the Loxahatchee River Watershed Restoration Plan. The overall purposes of this project are to increase water supplies to the Grassy Waters Preserve and Loxahatchee Slough, improve flow to enhance hydro-periods in the Loxahatchee Slough, increase base flows to the Northwest Fork of the Loxahatchee River, and reduce high discharges to the Lake Worth Lagoon. Concerns with the project that were developed by the Project Delivery Team include:

- 1) the cost effective benefit analysis for the L-8 reservoir
- 2) connate seepage water management costs
- 3) the project's purpose
- 4) habitat units

In order to resolve concerns, the Army Corp of Engineers and SFWMD developed an additional modeling scope. The last schedule included Agency Technical Review in August 2011, a revised Alternative Formulation Briefing to Corps management in February 2012, and completion of an Alternative Formulation Briefing report in April 2012. However, that schedule is now anticipated to be pushed back at least 6 months. Staff will continue to monitor future developments.

- G. The date for promulgation of numeric nutrient criteria (total nitrogen and total phosphorus) for lakes and flowing waters (fresh waters) is October 15, 2011; however, the date for South Florida waters, including canals, has been extended to coincide with the revised date for promulgation of numeric nutrient criteria for estuaries and coastal waters. The first notice of rulemaking for estuaries and coastal waters is expected to be November 14, 2011 with final promulgation expected on August 15, 2012.

Staff attended a meeting conducted by the Florida Department of Environmental Protection (FDEP) on their determination of numeric nutrient criteria for the estuaries and coastal systems on August 26, 2010 and on November 17, 2010. On November 14, 2010, Environmental Protection Agency (EPA) approved the numeric nutrient criteria for fresh water and lakes. On September 29, 2011, FDEP published a draft Florida Administrative Code (F.A.C.) Chapter 62-302 regarding nutrient standards. Staff is reviewing these standards as they effect the District. Staff has attended various workshops concerning the development of the numeric nutrient criteria and will continue to monitor the development of these criteria.

- H. Staff has continued to coordinate a water quality monitoring program with the Loxahatchee River District and has HBEL, Inc. under contract for water quality sampling services to meet SIRWCD needs.
- I. Our office continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.



- J. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- K. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.



*Over 85 Years of Service*

**MEMORANDUM**

**TO:** Board of Supervisors

**FROM:** Michael A. Dillon

**SUBJECT:** Manager of Operations' Report for the period October 13, 2011 through November 2, 2011

**DATE:** November 2, 2011

**ADMINISTRATIVE:**

1. Received \$7,500.00 from Palm Beach County for quarterly maintenance of county roads.
2. Received \$9,048.00 for maintenance fees from Section 33 P.O.A. - Cypress Trails.
3. Received \$2,300.00 for monthly rental on Verizon tower.
4. Received \$22,205.04 from the School District of Palm Beach County for drainage assessments.
5. Working with AECOM staff regarding the annual National Pollutant Discharge Elimination System report.
6. Renewed Terra-Tech's aquatic spray contract through September 2012.
7. Two individuals performed a total of 65 hours of community service at the District's work center.
8. Attended the Florida Association of Special Districts' General Membership Meeting.
9. Conversations with homeowners regarding various road and drainage issues.
10. Control Communications began work to convert radios to narrowband.

MEMORANDUM

To: Board of Supervisors

November 2, 2011

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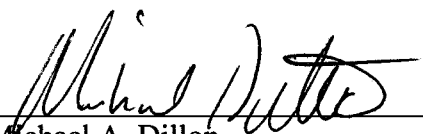
11. Expedited check signing for Palm Beach Country Estates Community Park permit.
12. Meetings with insurance broker for employee medical and dental insurance. Policy changes will reduce the premium for 2012 by 10%.

**WATER CONTROL:**

1. Mowers and backhoes continue routine maintenance services on roadside swales and berms throughout the District.
2. Received 8.01 inches of rain at the District work center this reporting period.
3. District crews continue to replace inoperable culverts and install rip-rap bags at various locations throughout the District.
4. Prepared swale for two driveway culverts followed by inspection.
5. Terra Tech continues canal spraying for aquatic weed control.

**ROAD MAINTENANCE:**

1. Bess Trucking hauled 54 cubic yards of road material to District yard.
2. Graders and mowers are continuing maintenance on roadways throughout the District. Roads are being re-contoured to provide maximum run-off during rain events.
3. Lynch Paving continues to work toward completion of the 16<sup>th</sup> Plan of Improvements asphalt road project in Palm Beach Country Estates.

  
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Michael A. Dillon  
Manager of Operations

MAD/hr





**DICK GRUENWALD  
ASSOCIATES, LLC**

Nov. 9, 2011

**TO: Board of Supervisors, SOUTH INDIAN RIVER WATER CONTROL DISTRICT**  
**FROM: Dick Gruenwald Associates, DISTRICT PUBLIC INFORMATION SPECIALISTS**  
**SUBJECT: Monthly Report November 2011**

News releases were sent out to local newspapers and community publications:

- ❖ November Monthly Meeting (Nov. 9) release
- ❖ October Monthly meeting results (Oct. 19) release

The following items were uploaded to the website:

- ❖ October Monthly meeting results (Oct. 19) release
- ❖ Monthly Meeting (Nov. 9) change to date
- ❖ November Staff monthly reports- Manager of Operations, Treasurer, Engineer, Public Information

We continue working on the next edition of the SIRWCD newsletter that will include the annual reports from the Manager of Operations and District Engineer, election results, updates on EPA nutrient criteria standards, Roadway Improvement projects update, and NPDES information.

We are in the process of updating the photo gallery of the board of supervisors and staff.

We continue to work on the overall re-design and update for the SIRWCD website to include a new look, better visibility and functionality, new information, NPDES educational aspects and more.

We continue to work with Mr. Rice and the Manager of Operations on a regular basis, as well as supplying supervisors and members of the staff newspaper clippings on SIRWCD related stories, articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally.

## Memorandum

To South Indian River Water Control District  
Board of Supervisors Page 5


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CC

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Subject Engineer's Report for November 2011

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From Lennart J. Lindahl, PE, District Engineer 

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Board Meeting  
Date November 9, 2011

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The following is a summary of activities and communications that were of significance during the month of November 2011:

### I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

A. The District received petitions from landowners to apply asphalt on certain roadways within Palm Beach Country Estates. The roads met the requirements to distribute a referendum to all benefited landowners. Pursuant to Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

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- 151<sup>st</sup> Court N. between 69<sup>th</sup> Drive N. and 69<sup>th</sup> Trail N.
- 154<sup>th</sup> Road N. between 69<sup>th</sup> Drive N. and 75<sup>th</sup> Ave. N. (Results received November 23, 2010)

At the August 12, 2010 meeting, the Board of Supervisors directed staff to move ahead with the proposed plan of improvements. Two public hearings have been held. The South Florida Water Management District has approved the plan of improvements, and the surveying and the design of the proposed improvements have been completed.

On March 13, 2011, an invitation to bid was published in the local newspaper with the request that bidders obtain bid packages on March 16, 2011 and return their proposals by April 12, 2011. Staff received contractors' proposals and reviewed the completeness of each proposal. On May 5, 2011, the Board of Supervisors awarded the contract to Lynch Paving and Construction Company Inc. Staff negotiated the agreement with the contractor and a notice to proceed was issued on July 14, 2011. Construction began on July 25, 2011 and is continuing to progress. In accordance with the Board of Supervisors direction, staff has negotiated a change order for additional services related to Palm Beach Country Estates Park (Twisty Pines Park).

- B. The District received petitions from landowners to apply an Open Graded Emulsion Mix (OGEM) surface on certain roadways within the District. The following roadways met the requirements to distribute a referendum to all benefited landowners. Pursuant to the Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

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- C. The District has received petitions from landowners to apply both OGEM and Asphalt on certain roadways within the District. The following roadways are petitioning to distribute a referendum for OGEM (approximately 1.2 miles):

- 151<sup>st</sup> Lane N. between 133<sup>rd</sup> Terrace N. and Canal 12
- 127<sup>th</sup> Drive N. between 187<sup>th</sup> Place N. and Old Indiantown Grade
- 126<sup>th</sup> Terrace N. between 165<sup>th</sup> Road N. and 169<sup>th</sup> Court N.

In addition to these roads, the following roadways are petitioning to distribute a referendum for asphalt in Palm Beach Country Estates (approximately 1.3 miles):

- 73<sup>rd</sup> Terrace N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 79<sup>th</sup> Terrace N. between 155<sup>th</sup> Place N. and 162<sup>nd</sup> Court N.
- 75<sup>th</sup> Way N between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.

The deadline for landowners to submit roadway petitions for this pending plan of improvement is December 31, 2011. Staff is prepared to discuss these requests at this month's Board of Supervisor's meeting.

## II. OPERATION AND MAINTENANCE

- A. The meeting for the National Pollutant Discharge Elimination System (NPDES) Steering Committee Meeting on September 21, 2011 was cancelled. Staff is currently preparing the draft first year Annual Report of the Third Term Permit for FY 2010-2011. The next Steering Committee meeting is scheduled for November 17, 2011. Eric Livingston from the Florida Department of Environmental Protection plans to present updates on the permit and co-permittees will have an opportunity to ask questions.
- B. On January 24, 2008, staff met with Palm Beach County to discuss their plans for the Hatcher/Indiantown Joint Venture Property. Palm Beach County is in the planning and permitting stages of a proposed project to improve the natural areas of the property while expanding the water features. Since the January 2008 meeting, staff has participated in many meetings with Palm Beach County to evaluate the project. On February 10, 2011, a Board of Supervisors workshop was held to update the Board and public on the project.

In accordance with Board direction, staff submitted a letter of conceptual approval to Palm Beach County subject to satisfying the items that were discussed at the Board of Supervisors meeting. SFWMD issued a permit for the project on July 5, 2011. Staff recently met with Palm Beach County on November 3, 2011 to discuss the status of the project and operation of the facilities. Staff continues to coordinate with Palm Beach County on this project.

- C. In accordance with the direction provided at the December Board of Supervisors meeting, staff prepared a Minor and Insubstantial Plan Amendment to the 13<sup>th</sup> Plan of Improvements for the Board's consideration to allow for maintenance of the park in Palm Beach Country Estates. The Amendment was approved at the February Board of Supervisors meeting. Staff is currently reviewing information that was provided by the Twisty Pines Playground Foundation and is coordinating the timing of the operation and maintenance activities for the park. In addition, staff has negotiated a change order with Lynch Paving and Construction Company, Inc. (the contractor for the 16<sup>th</sup> Plan of Improvements) to assist with the initial maintenance activities for the park. Staff has recently filed for a building permit with Palm Beach County for the construction of the facilities and is awaiting approval.

- D. The Federal Emergency Management Agency (FEMA) is currently in the process of updating Palm Beach County's floodplain mapping. Staff has been contacted by FEMA representatives to provide any modeling information concerning the area. Staff will continue to coordinate with FEMA staff.

In addition, staff has researched the process for revising a FEMA floodplain map in the Palm Beach Country Estates area. At the May, 2010 Board of Supervisors meeting, the Board directed staff to send a letter to the affected landowners and determine if the landowners would like SIRWCD to pursue changing the floodplain map. A letter of interest was sent to the landowners.

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A total of 457 notices were mailed to lots within the FEMA floodzone designation area. A total of 79 landowners responded with 64 landowners responding as "Yes, I am interested in SIRWCD applying for a LOMR-F for my structure(s)." The notice stated to landowners that, "Depending on the number of participating landowners, the District estimates that this process will likely cost approximately \$200-\$500 per landowner."

Surveying began on May 3, 2011 for the preparation of the application for the LOMR-F and was completed May 20, 2011. Staff submitted the application to FEMA on July 11, 2011. On July 29, 2011, a notice was received from FEMA acknowledging receipt of the application and on August 24, 2011, FEMA sent a request for additional information. Staff responded to FEMA's request on September 22, 2011. On November 1, 2011, staff received the permit from FEMA. Staff is currently reviewing the permit and will update the Board at this month's meeting.

- E. SFWMD continues to operate the G-160 structure to maintain flood protection and is committed to coordinating with, and monitoring water levels at the perimeter of some of the communities adjacent to and east of the Loxahatchee Slough to determine if there are impacts to the communities resulting from the increased water levels. The monitoring wells installed in April 2010 in SIRWCD's perimeter levee for Palm Beach Country Estates are measuring surface and groundwater water levels in conjunction with the operation of the G-160 structure. There has not been a G-160 meeting since our last report.
- F. The North Palm Beach County - Part 1 Comprehensive Everglades Restoration Plan (CERP) Project has been renamed the Loxahatchee River Watershed Restoration Plan. The overall purposes of this project are to increase water supplies to the Grassy Waters Preserve and Loxahatchee Slough, improve flow to enhance hydro-periods in the Loxahatchee Slough, increase base flows to the Northwest Fork of the Loxahatchee River, and reduce high discharges to the Lake Worth Lagoon. Concerns with the project that were developed by the Project Delivery Team include:

- 1) the cost effective benefit analysis for the L-8 reservoir
- 2) connate seepage water management costs
- 3) the project's purpose
- 4) habitat units

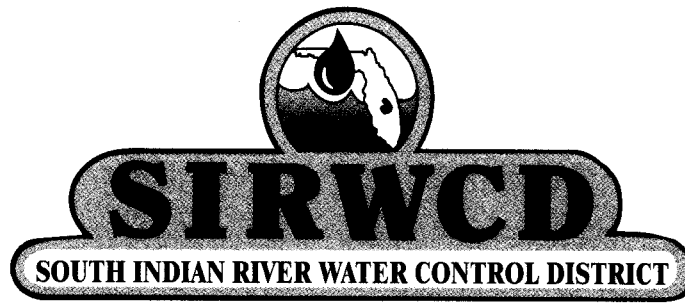
In order to resolve concerns, the Army Corp of Engineers and SFWMD developed an additional modeling scope. The last schedule included Agency Technical Review in August 2011, a revised Alternative Formulation Briefing to Corps management in February 2012, and completion of an Alternative Formulation Briefing report in April 2012. However, that schedule is now anticipated to be pushed back at least 6 months. Staff will continue to monitor future developments.

- G. The date for promulgation of numeric nutrient criteria (total nitrogen and total phosphorus) for lakes and flowing waters (fresh waters) is October 15, 2011; however, the date for South Florida waters, including canals, has been extended to coincide with the revised date for promulgation of numeric nutrient criteria for estuaries and coastal waters. The first notice of rulemaking for estuaries and coastal waters is expected to be November 14, 2011 with final promulgation expected on August 15, 2012.

Staff attended a meeting conducted by the Florida Department of Environmental Protection (FDEP) on their determination of numeric nutrient criteria for the estuaries and coastal systems on August 26, 2010 and on November 17, 2010. On November 14, 2010, Environmental Protection Agency (EPA) approved the numeric nutrient criteria for fresh water and lakes. On September 29, 2011, FDEP published a draft Florida Administrative Code (F.A.C.) Chapter 62-302 regarding nutrient standards. Staff is reviewing these standards as they effect the District. Staff has attended various workshops concerning the development of the numeric nutrient criteria and will continue to monitor the development of these criteria.

- H. Staff has continued to coordinate a water quality monitoring program with the Loxahatchee River District and has HBEL, Inc. under contract for water quality sampling services to meet SIRWCD needs.
- I. Our office continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- J. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- K. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.



*Over 85 Years of Service*

**MEMORANDUM**

TO: Board of Supervisors

FROM: Manager of Operations

SUBJECT: Manager's Report for the period November 3 through December 8, 2011

DATE: December 8, 2011

**ADMINISTRATIVE:**

1. Meeting with District Engineer and Martin County Officials to discuss vegetation removal from the District's Canal 11 right-of-way.
2. Meeting with Palm Beach County D.E.R.M. regarding Canal 2, Hatcher project.
3. Received \$2,300.00 from Verizon for monthly lease.
4. Received \$30,759.96 from the Palm Beach County Tax Collector for excess fees for the fiscal year ending September 30, 2011.
5. One person performed 50 hours of community service at the District's work center.
6. Meeting with representatives from The Florida Trails Association regarding trails along the Canal 7 right-of-way.
7. Control Communications performed narrowband filing on all District two-way radios to conform with new F.C.C. regulations.
8. Attended Safety Council of Palm Beach County annual holiday seminar and luncheon with several District employees.
9. District board and employees participated in the annual Jupiter Farms Christmas parade.

MEMORANDUM

To: Board of Supervisors

December 8, 2011

Page 2

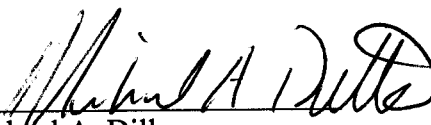
10. Conducted employee safety meeting at work center.
11. Equipment operator, Andy Billy, recently celebrated his tenth year with the District and was presented a plaque to commemorate the occasion.
12. Provided AECOM with required information to complete our five year NPDES permit renewal application.
13. Met with engineer and Roadway Management to inspect 2 newly surfaced OGEM roads.

**WATER CONTROL**

1. Mowers and backhoes continue routine maintenance services on roadside swales and berms throughout the District
2. Received 1.89 inches of rain this reporting period.
3. District crews continue to replace inoperable culverts and install rip-rap bags at various locations throughout the District.
4. Prepared swale for one driveway culvert followed by inspection.
5. Terra Tech continues canal spraying for aquatic weed control.

**ROAD MAINTENANCE:**

1. Bess Trucking hauled 270 cubic yards of road material to District yard.
2. Graders and mowers are continuing maintenance on roadways throughout the District. Roads are being re-contoured to provide maximum run-off during rainfall events.

  
Michael A. Dillon  
Manager of Operations





**DICK GRUENWALD  
ASSOCIATES, LLC**

Dec. 9, 2011

**TO: Board of Supervisors, SOUTH INDIAN RIVER WATER CONTROL DISTRICT**  
**FROM: Dick Gruenwald Associates, DISTRICT PUBLIC INFORMATION SPECIALISTS**  
**SUBJECT: Monthly Report December 2011**

The following items were uploaded to the website:

- ❖ Monthly Meeting (Dec. 15) cancel meeting
- ❖ December Staff monthly reports– Manager of Operations, Treasurer, Engineer, Public Information

The winter edition of the SIRWCD newsletter has been printed and will be mailed to landowners next week and includes the annual reports from the Manager of Operations and District Engineer, budget information, election results, updates on EPA nutrient criteria standards, FEMA LOMR-F, Roadway Improvement projects update, Palm Beach Country Estates Park, NPDES information and 21<sup>st</sup> Annual Landowner Day.

Donna attended the presentation of a 10-year plaque to Andy Billy and took pictures of Andy Billy with Tom Rice, Mike Dillon and staff for newsletter and website.

We are in the process of updating the photo gallery of the Board of Supervisors and staff.

We continue to work on the overall re-design and update for the SIRWCD website to include a new look, better visibility and functionality, new information, NPDES educational aspects and more.

We continue to work with Mr. Rice and the Manager of Operations on a regular basis, as well as supplying supervisors and members of the staff newspaper clippings on SIRWCD related stories, articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally.

## Memorandum

To South Indian River Water Control District  
Board of Supervisors Pages 5


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CC

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Subject Engineer's Report for December 2011

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From Lennart J. Lindahl, PE, District Engineer 

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Board Meeting  
Date December 15, 2011

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The following is a summary of activities and communications that were of significance during the month of December 2011:

### I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

- A. The District received petitions from landowners to apply asphalt on certain roadways within Palm Beach Country Estates. The roads met the requirements to distribute a referendum to all benefited landowners. Pursuant to Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

- 72<sup>nd</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 165<sup>th</sup> Street N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
- 72<sup>nd</sup> Drive N. between 155<sup>th</sup> Drive N. and 159<sup>th</sup> Court N.
- 167<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 78<sup>th</sup> Drive N.
- 84<sup>th</sup> Avenue N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 140<sup>th</sup> Lane N. between 64<sup>th</sup> Drive N. and 69<sup>th</sup> Drive N.
- 75<sup>th</sup> Way N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 67<sup>th</sup> Avenue N. between 141<sup>st</sup> Lane N. and Donald Ross Road
- 71<sup>st</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 151<sup>st</sup> Court N. between 69<sup>th</sup> Drive N. and 69<sup>th</sup> Trail N.
- 154<sup>th</sup> Road N. between 69<sup>th</sup> Drive N. and 75<sup>th</sup> Ave. N. (Results received November 23, 2010)

At the August 12, 2010 meeting, the Board of Supervisors directed staff to move ahead with the proposed plan of improvements. Two public hearings have been held. The South Florida Water Management District has approved the plan of improvements, and the surveying and the design of the proposed improvements have been completed.

On March 13, 2011, an invitation to bid was published in the local newspaper with the request that bidders obtain bid packages on March 16, 2011 and return their proposals by April 12, 2011. Staff received contractors' proposals and reviewed the completeness of each proposal. On May 5, 2011, the Board of Supervisors awarded the contract to Lynch Paving and Construction Company Inc. Staff negotiated the agreement with the contractor and a notice to proceed was issued on July 14, 2011. Construction began on July 25, 2011 and is continuing to progress. In accordance with the Board of Supervisors direction, staff has negotiated a change order for additional services related to Palm Beach Country Estates Park (Twisty Pines Park).

B. The District received petitions from landowners to apply an Open Graded Emulsion Mix (OGEM) surface on certain roadways within the District. The following roadways met the requirements to distribute a referendum to all benefited landowners. Pursuant to the Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

- 98<sup>th</sup> Trail N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Road N.
- 151<sup>st</sup> Lane N. between 133<sup>rd</sup> Terrace N. and Canal 13
- 92<sup>nd</sup> Way N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Road N.
- 80<sup>th</sup> Drive N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 187<sup>th</sup> Place N. between 126<sup>th</sup> Terrace N. and 129<sup>th</sup> Terrace N. and 129<sup>th</sup> Terrace N. between 186<sup>th</sup> Court N. and 187<sup>th</sup> Place N.

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C. The District has received petitions from landowners to apply both OGEM and Asphalt on certain roadways within the District. The following roadways are petitioning to distribute a referendum for OGEM (approximately 1.2 miles):

- 151<sup>st</sup> Lane N. between 133<sup>rd</sup> Terrace N. and Canal 12
- 127<sup>th</sup> Drive N. between 187<sup>th</sup> Place N. and Old Indiantown Grade
- 126<sup>th</sup> Terrace N. between 165<sup>th</sup> Road N. and 169<sup>th</sup> Court N.

In addition to these roads, the following roadways are petitioning to distribute a referendum for asphalt in Palm Beach Country Estates (approximately 1.3 miles):

- 73<sup>rd</sup> Terrace N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 79<sup>th</sup> Terrace N. between 155<sup>th</sup> Place N. and 162<sup>nd</sup> Court N.
- 75<sup>th</sup> Way N between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.

The deadline for landowners to submit roadway petitions for this pending plan of improvement is December 31, 2011.

## II. OPERATION AND MAINTENANCE

- A. National Pollutant Discharge Elimination System (NPDES) Steering Committee Meetings were held on November 17 and December 7, 2011. At the November meeting, Eric Livingston from the Florida Department of Environmental Protection responded to questions regarding the new permit and annual reporting requirements for Year 1 of the Third Term Permit. The December meeting included a discussion of the Total Maximum Daily Load (TMDL) Program and the process for prioritizing the TMDL list and developing monitoring and assessment plans. Staff is currently finalizing the draft first year Annual Report of the Third Term Permit for FY 2010-2011. The next Steering Committee meeting is scheduled for January 18, 2011.
- B. On January 24, 2008, staff met with Palm Beach County to discuss their plans for the Hatcher/Indiantown Joint Venture Property. Palm Beach County is in the planning and permitting stages of a proposed project to improve the natural areas of the property while expanding the water features. Since the January 2008 meeting, staff has participated in many meetings with Palm Beach County to evaluate the project. On February 10, 2011, a Board of Supervisors workshop was held to update the Board and public on the project.

In accordance with Board direction, staff submitted a letter of conceptual approval to Palm Beach County subject to satisfying the items that were discussed at the Board of Supervisors meeting. SFWMD issued a permit for the project on July 5, 2011. Staff recently met with Palm Beach County on November 3, 2011 to discuss the status of the project and operation of the facilities. Staff continues to coordinate with Palm Beach County on this project.

- C. In accordance with the direction provided at the December 2010 Board of Supervisors meeting, staff prepared a Minor and Insubstantial Plan Amendment to the 13<sup>th</sup> Plan of Improvements for the Board's consideration to allow for maintenance of the park in Palm Beach Country Estates. The Amendment was approved at the February Board of Supervisors meeting. Staff is currently reviewing information that was provided by the Twisty Pines Playground Foundation and is coordinating the timing of the operation and maintenance activities for the park. In addition, staff has negotiated a change order with Lynch Paving and Construction Company, Inc. (the contractor for the 16<sup>th</sup> Plan of Improvements) to assist with the initial maintenance activities for the park. Staff has recently filed for a building permit with Palm Beach County for the construction of the facilities and is awaiting approval.
- D. The Federal Emergency Management Agency (FEMA) is currently in the process of updating Palm Beach County's floodplain mapping. Staff has been contacted by FEMA representatives to provide any modeling information concerning the area. Staff will continue to coordinate with FEMA staff.

In addition, staff has researched the process for revising a FEMA floodplain map in the Palm Beach Country Estates area. At the May, 2010 Board of Supervisors meeting, the Board directed staff to send a letter to the affected landowners and determine if the landowners would like SIRWCD to pursue changing the floodplain map. A letter of interest was sent to the landowners.

At the August 12, 2010 Board of Supervisors' Meeting, the Board directed staff to submit a more detailed letter of interest to the landowners. Staff provided more detailed information in the fall newsletter and prepared a revised letter of interest that was mailed to the landowners. Responses were returned by February 28, 2011.

A total of 457 notices were mailed to lots within the FEMA floodzone designation area. A total of 79 landowners responded with 64 landowners responding as "Yes, I am interested in SIRWCD applying for a LOMR-F for my structure(s)." The notice stated to landowners that, "Depending on the number of participating landowners, the District estimates that this process will likely cost approximately \$200-\$500 per landowner."

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- E. SFWMD continues to operate the G-160 structure to maintain flood protection and is committed to coordinating with, and monitoring water levels at the perimeter of some of the communities adjacent to and east of the Loxahatchee Slough to determine if there are impacts to the communities resulting from the increased water levels. The monitoring wells installed in April 2010 in SIRWCD's perimeter levee for Palm Beach Country Estates are measuring surface and groundwater water levels in conjunction with the operation of the G-160 structure. There has not been a G-160 meeting since our last report.
- F. The North Palm Beach County - Part 1 Comprehensive Everglades Restoration Plan (CERP) Project has been renamed the Loxahatchee River Watershed Restoration Plan. The overall purposes of this project are to increase water supplies to the Grassy Waters Preserve and Loxahatchee Slough, improve flow to enhance hydro-periods in the Loxahatchee Slough, increase base flows to the Northwest Fork of the Loxahatchee River, and reduce high discharges to the Lake Worth Lagoon. Concerns with the project that were developed by the Project Delivery Team include:
  - 1) the cost effective benefit analysis for the L-8 reservoir
  - 2) connate seepage water management costs
  - 3) the project's purpose
  - 4) habitat units

In order to resolve concerns, the Army Corp of Engineers and SFWMD developed an additional modeling scope. The last schedule included Agency Technical Review in August 2011, a revised Alternative Formulation Briefing to Corps management in February 2012, and completion of an Alternative Formulation Briefing report in April 2012. However, that schedule is now anticipated to be pushed back at least 6 months. Staff will continue to monitor future developments.

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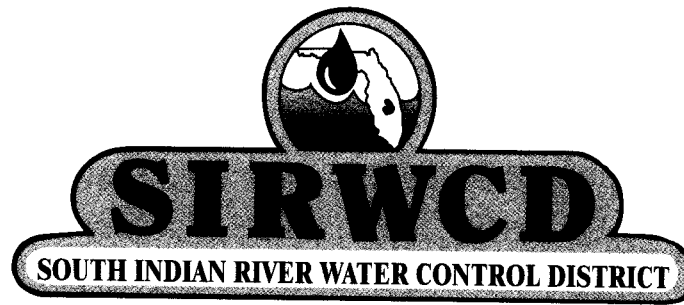
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- an amendment to provide that narrative criteria will continue to apply to ditches, canals and urban storm water conveyances
- an amendment intended to limit the ability of EPA to pick and choose which provisions of the Florida rules to accept or reject.

The rules still require ratification by the Florida Legislature and the EPA. Staff has attended various workshops concerning the development of the numeric nutrient criteria and will continue to monitor the development of these criteria.

- H. Our office continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- I. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- J. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.



*Over 85 Years of Service*

**BOARD OF SUPERVISORS MEETING**

January 19, 2012 – 7:30 p.m.  
Jupiter High School Guidance Suite  
500 N. Military Trail, Jupiter, FL 33458

**A G E N D A**

1. Invocation and Pledge of Allegiance
2. Consent Agenda
  - Approval of Minutes (October and November 2011)
  - Approval of Warrant List
3. Public Information report
4. Treasurer's report
5. Manager of Operations' report
6. Engineer's report
7. Attorney's Report
8. Old business
9. New business
10. Landowners' items
11. Adjourn



*Over 85 Years of Service*

**MEMORANDUM**

TO: Board of Supervisors

FROM: Manager of Operations

SUBJECT: Manager's Report for the period December 9, 2011 to January 12, 2012

DATE: January 12, 2012

**ADMINISTRATIVE:**

1. Received a \$638.00 refund from Preferred Governmental Insurance Trust for Worker's Compensation premium for the 2010/11 year.
2. Received \$2,300.00 from Verizon for monthly lease.
3. Meeting with H.D. Water Works regarding various erosion control products for drainage swales and canals.
4. East Coast Fire Equipment conducted their annual inspection of all fire extinguishers at the District work center.
5. Meetings with homeowners discussing road and swale maintenance issues.
6. Meeting with District Engineer and Hubbard Construction regarding the 16<sup>th</sup> Plan of Improvement OGEM road intersections in Section 18.
7. District crews continue to install "no motorized vehicles, others use at your own risk" signs along drainage canals within the District. We continue to work with Palm Beach County Sheriff's Wild Land Task Force who monitor A.T.V traffic and other unauthorized motor vehicles that travel along the canal right-of-ways.
8. South Florida Water Management begins work on removing Australian pines and other non-native vegetation west of the C-18
9. Attended the L.R.P.I. meeting



MEMORANDUM

To: Board of Supervisors

January 12, 2012

Page 2

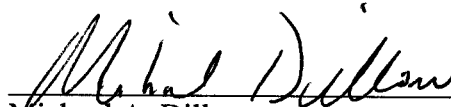
10. District Operator David Murrell won best decorated tractor in the Jupiter Farms Christmas Parade!

**WATER CONTROL**

1. Mowers and backhoes continue routine maintenance services on roadside swales and berms throughout the District
2. Received 1.1 inches of rain this reporting period.
3. District crews continue to replace inoperable culverts and install rip-rap bags at various locations throughout the District.
4. Prepared swales for 7 driveway culverts followed by inspections.
5. Terra Tech continues canal spraying for aquatic weed control.

**ROAD MAINTENANCE:**

1. Allied Trucking hauled 221 tons of shell rock to District yard.
2. Graders and mowers are continuing maintenance on roadways throughout the District. Roads are being re-contoured to provide maximum run-off during rainfall events.

  
\_\_\_\_\_  
Michael A. Dillon  
Manager of Operations



**DICK GRUENWALD  
ASSOCIATES, LLC**

Jan. 12, 2012

**TO: Board of Supervisors, SOUTH INDIAN RIVER WATER CONTROL DISTRICT**  
**FROM: Dick Gruenwald Associates, DISTRICT PUBLIC INFORMATION SPECIALISTS**  
**SUBJECT: Monthly Report January 2012**

The following items were uploaded to the website:

- ❖ Monthly Meeting (Jan. 19) meeting
- ❖ Updated Cut-off Date Set for New Landowner-Initiated Roadway Improvement Project
- ❖ January Staff monthly reports– Manager of Operations, Treasurer, Engineer, Public Information

The winter edition of the SIRWCD newsletter has been mailed to all landowners. This 12-page edition includes the annual reports from the Manager of Operations and District Engineer, budget information, election results, updates on EPA nutrient criteria standards, FEMA LOMR-F, Roadway Improvement projects update, Palm Beach Country Estates Park, NPDES information and 21<sup>st</sup> Annual Landowners Day.

We are working with the District Engineer regarding letters and invoices to be mailed to PBCE landowners who participated in the program to be removed from the FEMA flood maps. Upon completion a PDF of the FEMA LOMR-F documentation for PBCE landowners will be uploaded.

We are hard at work on the 21<sup>st</sup> Annual Landowners Day which is scheduled for March 17 from 11:30 am – 2:30 pm. We are in the process of confirming the food vendor, the band and the petting zoo. We have sent information on our event to community organizations.

We are in the process of updating the photo gallery of the Board of Supervisors and staff.

We continue to work on the overall re-design and update for the SIRWCD website to include a new look, better visibility and functionality, new information, NPDES educational aspects and more.

We continue to work with Mr. Rice and the Manager of Operations on a regular basis, as well as supplying supervisors and members of the staff newspaper clippings on SIRWCD related stories, articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally.



To: Board of Supervisors  
FROM: Charles F. Haas, Treasurer  
RE: Treasurer's Report - January, 2012  
CC: Staff  
Date: January 14, 2012

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### **Routine Business**

1. On December 22, 2011 the 2001 Egret Landing bonds were redeemed as scheduled. The redemption was funded by the application of the reserve account and the proceeds from the 2011 Regions Bank loan. The estimated savings over the remaining term of the refunding notes (the same term as the refunded bonds) is \$630,000 which will be realized by the landowners in lower assessments over this period. Additionally, one new feature of the new debt arrangement is we can allow individual landowners to prepay their pro-rata portion of the principal on the note and thus have their annual assessment for this project fulfilled. Should the Board wish to allow this option, we will prepare a schedule and a time frame for when these prepayments will be accepted.
2. We met with the Town of Jupiter's Utility staff in December to discuss changes in the draft of the Interlocal Extension Agreement. This week we received the revised draft, which our staff is reviewing. I expect that we will be presenting it to the Board for approval at the first regularly scheduled meeting after January.
3. We have begun work on updating the Road Renewal and Replacement model. This updated model will be used in the upcoming budget process.
4. We are working with the District's auditors, Grau & Company, on the audit for the fiscal year ending September 30, 2011.
5. The District continues to receive assessment distributions from the Palm Beach County Tax Collector. The collection rate is consistent with previous years. However, we are still in the process of posting these assessments to the individual

funds. Consequently this report does not include the financial statements. We expect that this process will be completed early next week, at which time we will forward the budget reports.

6. Following the Board's direction we will be sending our report to the District's Public Information Officer for uploading to the web-site.

### **Board Consideration**

1. The Board will be asked to approve the list of disbursements (sent under separate cover).

## Memorandum

To South Indian River Water Control District  
Board of Supervisors Pages 6

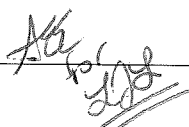
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Subject Engineer's Report for January 2012

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From Lennart J. Lindahl, PE, District Engineer 

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Board Meeting Date January 19, 2012

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The following is a summary of activities and communications that were of significance during the month of January 2012:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

A. The District received petitions from landowners to apply asphalt on certain roadways within Palm Beach Country Estates. The roads met the requirements to distribute a referendum to all benefited landowners. Pursuant to Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

- 72<sup>nd</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 165<sup>th</sup> Street N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
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At the August 12, 2010 meeting, the Board of Supervisors directed staff to move ahead with the proposed plan of improvements. Two public hearings have been held. The South Florida Water Management District has approved the plan of improvements, and the surveying and the design of the proposed improvements have been completed.

On March 13, 2011, an invitation to bid was published in the local newspaper with the request that bidders obtain bid packages on March 16, 2011 and return their proposals by April 12, 2011. Staff received contractors' proposals and reviewed the completeness of each proposal. On May 5, 2011, the Board of Supervisors awarded the contract to Lynch Paving and Construction Company Inc. Staff negotiated the agreement with the contractor and a notice to proceed was issued on July 14, 2011. Construction began on July 25, 2011 and is continuing to progress. In accordance with the Board of Supervisors direction, staff has negotiated a change order for additional services related to Palm Beach Country Estates Park (Twisty Pines Park). Contractor has been working on punch list items and should be finalizing the project this month.

- B. The District received petitions from landowners to apply an Open Graded Emulsion Mix (OGEM) surface on certain roadways within the District. The following roadways met the requirements to distribute a referendum to all benefited landowners. Pursuant to the Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

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- C. The District has received petitions from landowners to apply both OGEM and Asphalt on certain roadways within the District. The following roadways are petitioning to distribute a referendum for OGEM (approximately 1.4 miles):

- 151<sup>st</sup> Lane N. between 133<sup>rd</sup> Terrace N. and Canal 12
- 127<sup>th</sup> Drive N. between 187<sup>th</sup> Place N. and Old Indiantown Grade
- 126<sup>th</sup> Terrace N. between 165<sup>th</sup> Road N. and 169<sup>th</sup> Court N.
- 90<sup>th</sup> Trail N. between 165<sup>th</sup> Place N. and 166<sup>th</sup> Way N.

In addition to these roads, the following roadways are petitioning to distribute a referendum for asphalt in Palm Beach Country Estates (approximately 2.2 miles):

- 73<sup>rd</sup> Terrace N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 79<sup>th</sup> Terrace N. between 155<sup>th</sup> Place N. and 162<sup>nd</sup> Court N.
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- 77<sup>th</sup> Trail N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.

The deadline for landowners to submit roadway petitions for this pending plan of improvement was December 31, 2011.

## II. OPERATION AND MAINTENANCE

- A. There has not been a National Pollutant Discharge Elimination System (NPDES) Steering Committee Meeting since our last report. Staff is currently finalizing two draft Standard Operating Procedures to accompany the first year Annual Report of the Third Term Permit for FY 2010-2011. The next Steering Committee meeting is scheduled for January 18, 2011. Items on the agenda include additional discussion on TMDL Program responsibilities, budgets and the 2012 Program Schedule.
- B. On January 24, 2008, staff met with Palm Beach County to discuss their plans for the Hatcher/Indiantown Joint Venture Property. Palm Beach County is in the planning and permitting stages of a proposed project to improve the natural areas of the property while expanding the water features. Since the January 2008 meeting, staff has participated in many meetings with Palm Beach County to evaluate the project. On February 10, 2011, a Board of Supervisors workshop was held to update the Board and public on the project.

In accordance with Board direction, staff submitted a letter of conceptual approval to Palm Beach County subject to satisfying the items that were discussed at the Board of Supervisors meeting. SFWMD issued a permit for the project on July 5, 2011. Staff recently met with Palm Beach County on November 3, 2011 to discuss the status of the project and operation of the facilities. Staff continues to coordinate with Palm Beach County on this project.

- C. In accordance with the direction provided at the December, 2010 Board of Supervisors meeting, staff prepared a Minor and Insubstantial Plan Amendment to the 13<sup>th</sup> Plan of Improvements for the Board's consideration to allow for maintenance of the park in Palm Beach Country Estates. The Amendment was approved at the February, 2011 Board of Supervisors meeting. Staff is currently reviewing information that was provided by the Twisty Pines Playground Foundation and is coordinating the timing of the operation and maintenance activities for the park. In addition, staff has negotiated a change order with Lynch Paving and Construction Company, Inc. (the contractor for the 16<sup>th</sup> Plan of Improvements) to assist with the initial maintenance activities for the park. Staff has recently filed for a building permit with Palm Beach County for the construction of the facilities and is awaiting approval.

- D. The Federal Emergency Management Agency (FEMA) is currently in the process of updating Palm Beach County's floodplain mapping. Staff has been contacted by FEMA representatives to provide any modeling information concerning the area. Staff will continue to coordinate with FEMA staff.

In addition, staff has researched the process for revising a FEMA floodplain map in the Palm Beach Country Estates area. At the May, 2010 Board of Supervisors meeting, the Board directed staff to send a letter to the affected landowners and determine if the landowners would like SIRWCD to pursue changing the floodplain map. A letter of interest was sent to the landowners.

At the August 12, 2010 Board of Supervisors' Meeting, the Board directed staff to submit a more detailed letter of interest to the landowners. Staff provided more detailed information in the fall newsletter and prepared a revised letter of interest that was mailed to the landowners. Responses were received by February 28, 2011.

A total of 457 notices were mailed to lots within the FEMA floodzone designation area. A total of 79 landowners responded with 64 landowners responding as "Yes, I am interested in SIRWCD applying for a LOMR-F for my structure(s)." The notice stated to landowners that, "Depending on the number of participating landowners, the District estimates that this process will likely cost approximately \$200-\$500 per landowner."

Surveying began on May 3, 2011 for the preparation of the application for the LOMR-F and was completed May 20, 2011. Staff submitted the application to FEMA on July 11, 2011. On July 29, 2011, a notice was received from FEMA acknowledging receipt of the application and on August 24, 2011, FEMA sent a request for additional information. Staff responded to FEMA's request on September 22, 2011. On November 1, 2011, staff received the permit from FEMA. Staff has prepared and mailed a notice to the participating landowners to let them know the results. Currently, 7 out of the total 65 were unable to change their current flood designation due to the elevation adjacent to their structures was lower than the base flood elevation determined on the lot.

- E. SFWMD continues to operate the G-160 structure to maintain flood protection and is committed to coordinating with, and monitoring water levels at the perimeter of some of the communities adjacent to and east of the Loxahatchee Slough to determine if there are impacts to the communities resulting from the increased water levels. The monitoring wells installed in April, 2010 in SIRWCD's perimeter levee for Palm Beach Country Estates are measuring surface and groundwater water levels in conjunction with the operation of the G-160 structure. There has not been a G-160 meeting since our last report.
- F. The North Palm Beach County - Part 1 Comprehensive Everglades Restoration Plan (CERP) Project has been renamed the Loxahatchee River Watershed Restoration Plan. The overall purposes of this project are to increase water supplies to the Grassy Waters Preserve and Loxahatchee Slough, improve flow to enhance hydro-periods in the Loxahatchee Slough, increase base flows to the Northwest Fork of the Loxahatchee River, and reduce high discharges to the Lake Worth Lagoon. Concerns with the project that were developed by the Project Delivery Team include:



- 1) the cost benefit analysis for the L-8 reservoir
- 2) connate seepage water management costs
- 3) the project's purpose
- 4) habitat units

In order to resolve concerns, the Army Corp of Engineers and SFWMD developed an additional modeling scope. The last schedule included Agency Technical Review in August, 2011, a revised Alternative Formulation Briefing to Corps management in February, 2012, and completion of an Alternative Formulation Briefing report in April, 2012. However, that schedule is now anticipated to be pushed back at least 6 months. Staff will continue to monitor future developments.

- G. The date for promulgation of numeric nutrient criteria (total nitrogen and total phosphorus) for lakes and flowing waters (fresh waters) was October 15, 2011; however, the date for South Florida waters, including canals, has been extended to coincide with the revised date for promulgation of numeric nutrient criteria for estuaries and coastal waters. The first notice of rulemaking for estuaries and coastal waters was expected to be November 14, 2011 with final promulgation expected on August 15, 2012.

Staff attended a meeting conducted by the Florida Department of Environmental Protection (FDEP) on their determination of numeric nutrient criteria for the estuaries and coastal systems on August 26, 2010 and on November 17, 2010. On November 14, 2010, Environmental Protection Agency (EPA) approved the numeric nutrient criteria for fresh water and lakes. On September 29, 2011, FDEP published a draft Florida Administrative Code (F.A.C.) Chapter 62-302 regarding nutrient standards. Staff is reviewing these standards as they effect the District. The draft F.A.C. appeared before the Florida Environmental Regulation Commission (ERC). On December 8, 2011, the Florida Environmental Regulation Commission passed the Florida's numeric nutrient criteria, which include the following:

- an amendment to provide that narrative criteria will continue to apply to ditches, canals and urban storm water conveyances
- an amendment intended to limit the ability of EPA to pick and choose which provisions of the Florida rules to accept or reject.

An administrative challenge to the proposed rules has been filed by Earthjustice prior to their adoption on December 8, 2011. The challenge is scheduled to be heard in early February, 2012. The rules still require ratification by the Florida Legislature and the EPA.

The EPA has published notification that it is extending its March 6, 2012 deadline for implementation of the EPA's Numeric Nutrient Criteria regulations to June 4, 2012. This will allow the EPA to review the Florida ERC approved numeric nutrient criteria and wait for final action by the Florida Legislature as proposed by FDEP. Staff has attended various workshops concerning the development of the numeric nutrient criteria and will continue to monitor the development of these criteria.

- H. Our office continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.



- I. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- J. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.



*Over 85 Years of Service*

**MEMORANDUM**

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for the period January 13 through February 9, 2012  
DATE: February 9, 2012

**ADMINISTRATIVE:**

1. Received \$7,500.00 from Palm Beach County for first quarter 2011/12 mowing and grading.
2. Received \$2,300.00 from Verizon Wireless for monthly lease.
3. Meetings with homeowners to discuss road and swale maintenance issues.
4. Beltone Inc. conducted annual hearing test for employees.
5. Meetings with District Engineer and Lynch Paving regarding PBCE Park.
6. Met with Florida D.O.T. Turnpike representative to discuss access to the Turnpike's east borrow canal through Palm Beach Country Estates.
7. Received checks from several property owners in Palm Beach Country Estates for their share of costs for the FEMA flood plain revision.

**WATER CONTROL**

1. Mowers and backhoes continue routine maintenance services on roadside swales and berms throughout the District.
2. Received 6.33 inches of rain this reporting period.

MEMORANDUM

To: Board of Supervisors

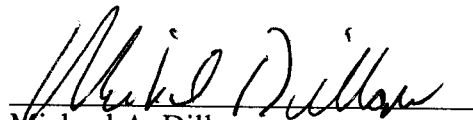
February 9, 2012

Page 2

3. District crews continue to replace inoperable culverts and install rip-rap bags at various locations throughout the District.
4. Prepared swales for 3 driveway culverts followed by inspections.
5. Terra Tech continues canal spraying for aquatic weed control.

**ROAD MAINTENANCE:**

1. Graders and mowers are continuing maintenance on roadways throughout the District. Roads are being re-contoured to provide maximum run-off during rainfall events.

  
\_\_\_\_\_  
Michael A. Dillon  
Manager of Operations



**DICK GRUENWALD  
ASSOCIATES, LLC**

Feb. 10, 2012

**TO: Board of Supervisors, SOUTH INDIAN RIVER WATER CONTROL DISTRICT**  
**FROM: Dick Gruenwald Associates, DISTRICT PUBLIC INFORMATION SPECIALISTS**  
**SUBJECT: Monthly Report February 2012**

The following items were uploaded to the website:

- ❖ Monthly Meeting (Feb. 16) no meeting
- ❖ Meeting Minutes (Oct. 19 and Nov. 9, 2011)
- ❖ FEMA LOMR-F documentation for PBCE landowners
- ❖ February Staff monthly reports– Manager of Operations, Treasurer, Engineer, Public Information

We are working on the next edition of the SIRWCD newsletter including the 21<sup>st</sup> Annual Landowners Day.


We continue to work on the 21<sup>st</sup> Annual Landowners Family Day which is scheduled for March 17 from 11:30 am – 2:30 pm. We have secured the Tom Jackson Band for entertainment, Cock-A-Doodle Doo, the bounce house and face painter and are in the process of getting quotes for the b-b-q. The following community organizations have submitted applications to attend: C.O.P. (Citizens on Patrol), Drowning Prevention Coalition of Palm Beach County, Florida Blood Bank, Florida Forest Service, Palm Beach County Fire Rescue and Palm Beach County Safety Council.

We are updating the photo gallery of the Board of Supervisors and staff and should have it mounted on the wall in the conference room at the District office before the Family Day event.

We continue to work on the overall re-design and update for the SIRWCD website to include a new look, better visibility and functionality, new information, NPDES educational aspects and more.

We continue to work with Mr. Rice and the Manager of Operations on a regular basis, as well as supplying supervisors and members of the staff newspaper clippings on SIRWCD related stories, articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally.

## Memorandum

To	South Indian River Water Control District Board of Supervisors	Pages 5
CC		
Subject	Engineer's Report for February 2012	
From	Lennart J. Lindahl, PE, District Engineer 	
Board Meeting Date	February 16, 2012	

The following is a summary of activities and communications that were of significance during the month of February 2012:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

- A. The District received petitions from landowners to apply asphalt on certain roadways within Palm Beach Country Estates. The roads met the requirements to distribute a referendum to all benefited landowners. Pursuant to Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

- 72<sup>nd</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 165<sup>th</sup> Street N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
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At the August 12, 2010 meeting, the Board of Supervisors directed staff to move ahead with the proposed plan of improvements. Two public hearings have been held. The South Florida Water Management District has approved the plan of improvements, and the surveying and the design of the proposed improvements have been completed.

On March 13, 2011, an invitation to bid was published in the local newspaper with the request that bidders obtain bid packages on March 16, 2011 and return their proposals by April 12, 2011. Staff received contractors' proposals and reviewed the completeness of each proposal. On May 5, 2011, the Board of Supervisors awarded the contract to Lynch Paving and Construction Company Inc. Staff negotiated the agreement with the contractor and a notice to proceed was issued on July 14, 2011. Construction began on July 25, 2011 and is continuing to progress. In accordance with the Board of Supervisors direction, staff has negotiated a change order for additional services related to Palm Beach Country Estates Park (Twisty Pines Park). Contractor has been working on punch list items and should be finalizing the project this month.

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- 77<sup>th</sup> Trail N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.

The deadline for landowners to submit roadway petitions for this pending plan of improvement was December 31, 2011.

At the January 19, 2012 meeting, the Board authorized the engineer to move forward with identifying the benefitted area and preparing the engineer's estimate of probable cost for the project. Staff is preparing this information for next month's meeting.

## II. OPERATION AND MAINTENANCE

- A. A National Pollutant Discharge Elimination System (NPDES) Steering Committee meeting was held on January 18, 2012. The Third Year Program budget was discussed and approved. The NPDES budget for FY 2012-2013 will be mailed to co-permittees. In addition, a discussion regarding Total Maximum Daily Load (TMDL) program responsibilities for the group and individual co-permittees. SIRWCD is not effected by any TMDL's approved prior to issuance of the Third Term Permit. The FY 2010-2011 NPDES Annual Report was submitted on January 20, 2012. The next Steering Committee Meeting is scheduled for February 15, 2012.
- B. On January 24, 2008, staff met with Palm Beach County to discuss their plans for the Hatcher/Indiantown Joint Venture Property. Palm Beach County is in the planning and permitting stages of a proposed project to improve the natural areas of the property while expanding the water features. Since the January 2008 meeting, staff has participated in many meetings with Palm Beach County to evaluate the project. On February 10, 2011, a Board of Supervisors workshop was held to update the Board and public on the project.

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- D. SFWMD continues to operate the G-160 structure to maintain flood protection and is committed to coordinating with, and monitoring water levels at the perimeter of some of the communities adjacent to and east of the Loxahatchee Slough to determine if there are impacts to the communities resulting from the increased water levels. The monitoring wells installed in April, 2010 in SIRWCD's perimeter levee for Palm Beach Country Estates are measuring surface and groundwater water levels in conjunction with the operation of the G-160 structure. There has not been a G-160 meeting since our last report.
- E. The North Palm Beach County - Part 1 Comprehensive Everglades Restoration Plan (CERP) Project has been renamed the Loxahatchee River Watershed Restoration Plan. The overall purposes of this project are to increase water supplies to the Grassy Waters Preserve and Loxahatchee Slough, improve flow to enhance hydro-periods in the Loxahatchee Slough, increase base flows to the Northwest Fork of the Loxahatchee River, and reduce high discharges to the Lake Worth Lagoon. Concerns with the project that were developed by the Project Delivery Team include:
  - 1) the cost benefit analysis for the L-8 reservoir
  - 2) connate seepage water management costs
  - 3) the project's purpose
  - 4) habitat units

In order to resolve concerns, the Army Corp of Engineers and SFWMD developed an additional modeling scope. The last schedule included Agency Technical Review in August, 2011, a revised Alternative Formulation Briefing to Corps management in February, 2012, and completion of an Alternative Formulation Briefing report in April, 2012. However, that schedule is now anticipated to be pushed back at least 6 months as the SFWMD's modeling was temporarily put on hold for a couple of months. Staff will continue to monitor future developments.

- F. The date for promulgation of numeric nutrient criteria (total nitrogen and total phosphorus) for lakes and flowing waters (fresh waters) was October 15, 2011; however, the date for South Florida waters, including canals, has been extended to coincide with the revised date for promulgation of numeric nutrient criteria for estuaries and coastal waters. The first notice of rulemaking for estuaries and coastal waters was expected to be November 14, 2011 with final promulgation expected on August 15, 2012.

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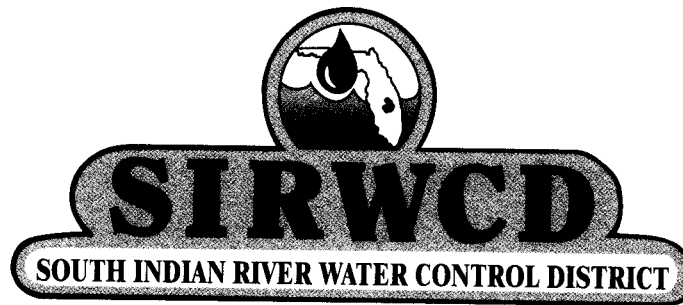
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*Over 85 Years of Service*

**BOARD OF SUPERVISORS MEETING**

March 15, 2012 – 7:30 p.m.  
Jupiter High School – Guidance Suite  
500 N. Military Trail, Jupiter, FL 33458

**A G E N D A**

1. Invocation and Pledge of Allegiance
2. Consent Agenda
  - Approval of Minutes (January 19 meeting)
  - Approval of Warrant List
3. Public Information report
4. Treasurer's report
5. Manager of Operations' report
6. Engineer's report
7. Attorney's Report
8. Old business
9. New business
10. Landowners' items
11. Adjourn



*Over 85 Years of Service*

**MEMORANDUM**

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for the period February 10, 2012 through March 8, 2012  
DATE: March 8, 2012

**ADMINISTRATIVE:**

1. Attended Staff meeting.
2. Received \$2,300.00 from Verizon for monthly lease.
3. Meetings with homeowners to discuss road and swale maintenance issues.
4. For the fourteenth year in a row, The District received awards in worker and vehicle safety at the Annual Safety Council of Palm Beach County Awards luncheon.
5. Lynch Paving began work on Palm Beach Country Estates Community Park.
6. Meeting with Terra-Tech, the District's aquatic weed spraying contractor, to review canal maintenance and schedule.
7. Conducted District safety meeting at work center.
8. District employees and staff began preparations for the Annual Landowners' Day Barbeque.
9. Attended Loxahatchee River Preservation Initiative meeting.
10. The District continues to receive payments from property owners in Palm Beach Country Estates for their share of costs for the FEMA flood plain revision.

MEMORANDUM

To: Board of Supervisors

March 8, 2012

Page 2

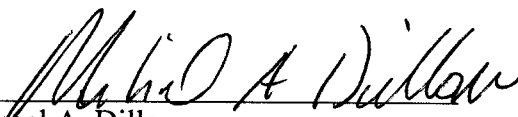
11. Meetings with District Engineer regarding various projects.
12. Received 12 hours of community service at the District work center.
13. Receiving bids for fog seal and micro-patch repair on existing O.G.E.M. roads as part of the District's road maintenance program.

**WATER CONTROL**

1. Mowers and backhoes continue routine maintenance services on roadside swales and berms throughout the District.
2. Received 1.29 inches of rain this reporting period.
3. District crews continue to replace inoperable culverts and install rip-rap bags at various locations throughout the District.
4. Prepared swale for one driveway culvert followed by inspection.
5. Terra Tech continues canal spraying for aquatic weed control.

**ROAD MAINTENANCE:**

1. Allied Trucking hauled 182 tons of shell rock to District yard.
2. D.S Eakins hauled 360 yards of road stabilizer to District yard.
3. Graders and mowers are continuing maintenance on roadways throughout the District. Roads are being re-contoured to provide maximum run-off during rainfall events.

  
\_\_\_\_\_  
Michael A. Dillon  
Manager of Operations

MAD/hr



**DICK GRUENWALD  
ASSOCIATES, LLC**

Mar. 9, 2012

**TO: Board of Supervisors, SOUTH INDIAN RIVER WATER CONTROL DISTRICT**  
**FROM: Dick Gruenwald Associates, DISTRICT PUBLIC INFORMATION SPECIALISTS**  
**SUBJECT: Monthly Report March 2012**

News releases were sent out to local newspapers and community publications:

- ❖ Monthly Meeting (Mar. 15) release

The following items were uploaded to the website:

- ❖ Monthly Meeting (Mar. 15)
- ❖ 21<sup>st</sup> Annual Landowners Family Day (Mar. 17)
- ❖ PBCE Park Improvements Begin
- ❖ March Newsletter
- ❖ March Staff monthly reports– Manager of Operations, Treasurer, Engineer, Public Information

The March issue of District Notes & News has been mailed to all landowners. The updated four-color newsletter includes information on the Landowners Petition for Roadway Improvement Projects, Jupiter Farms Christmas Parade, Andrew Billy Celebrates 10 Years with the District, New Horse Gate Installed in Jupiter Farms, NPDES information and the 21<sup>st</sup> Annual Landowners Day.

We continue to work on the 21<sup>st</sup> Annual Landowners Family Day which is scheduled for March 17 from 11:30 am – 2:30 pm. The Tom Jackson Band will be entertaining us while we enjoy Sonny's Bar-B-Q. The children will have fun at Cock-A-Doodle Doo's petting zoo, the bounce house and having their face's painted. The following community organizations have submitted applications to attend: C.O.P. (Citizens on Patrol), Drowning Prevention Coalition of Palm Beach County, Florida Blood Centers, Florida Forest Service, Jupiter Farmer, Jupiter Farms Residents, Loxahatchee Battlefield Preservationists, Palm Beach County Fire Rescue, Palm Beach County Parks & Recreation, Palm Beach County Safety Council, and Solid Waste Authority of Palm Beach County.

We have completed the photo gallery of the Board of Supervisors and staff and it is mounted on the wall in the conference room at the District office.

We continue to work on the overall re-design and update for the SIRWCD website to include a new look, better visibility and functionality, new information, NPDES educational aspects and more.

We continue to work with Mr. Rice and the Manager of Operations on a regular basis, as well as supplying supervisors and members of the staff newspaper clippings on SIRWCD related stories, articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally.



To: Board of Supervisors  
FROM: Charles F. Haas, Treasurer  
RE: Treasurer's Report for the month of February, 2012  
CC: Staff  
Date: March 9, 2012

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### **Routine Business**

1. The District has received a total of \$4,544,934 in assessment receipts through February 29, 2012 or 87% of the expected receipts for 2011/2012. This is consistent with collections for the same period in prior years.
2. We are continuing to work with the District's auditors, Grau & Company, on the audit for the fiscal year ending September 30, 2011 and we are in the process of closing the books and beginning the preparation of the financial statements.
3. Following the Board's direction we will be sending our report to the District's Public Information Officer for uploading to the web-site.

### **Board Consideration**

Included with this report is a memo describing the salient points on the proposed extension agreement with the Town of Jupiter to continue SIRWCD's and the Town's arrangement offering reduced connection fees to landowners in PBCE to hookup to the Town's water system.

The board will be asked to consider approval of this extension agreement.

# South Indian River Water Control District

## Statement of Revenues and Expenditures

100 - Special Revenue Funds

From 10/1/2011 Through 2/29/2012

(In Whole Numbers)

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Assessments - Net	1,816,172	1,808,608	(7,564)
Rents & Contracted Service Income	0	9,178	9,178
Investment Income	2,875	1,162	(1,713)
Other Income	12,000	0	(12,000)
Total Revenue:	<u>1,831,047</u>	<u>1,818,948</u>	<u>(12,099)</u>
Expenditures:			
Personal Services	88,537	320,462	(231,925)
Contracted Services	257,551	140,559	116,991
Operating Expense	624,000	58,917	565,083
Total Expenditures:	<u>970,088</u>	<u>519,938</u>	<u>450,149</u>
Excess (Deficit) Revenues over (under) Expenditures	<u>860,960</u>	<u>1,299,010</u>	<u>438,050</u>
Ending Fund Balance	<u>860,960</u>	<u>1,299,010</u>	<u>438,050</u>



# South Indian River Water Control District

## Statement of Revenues and Expenditures

200 - Debt Service Funds

From 10/1/2011 Through 2/29/2012

(In Whole Numbers)

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Assessments - Net	2,373,908	2,541,715	167,807
Investment Income	1,279	768	(511)
Other Income	0	49,430	49,430
Total Revenue:	<u>2,375,187</u>	<u>2,591,913</u>	<u>216,726</u>
Expenditures:			
Contracted Services	7,140	19,346	(12,206)
Operating Expense	0	15,391	(15,391)
Principal Repayments	460,000	460,000	0
Interest Paid	586,822	529,848	56,974
Other Debt Service	9,890	21,882	(11,992)
Total Expenditures:	<u>1,063,852</u>	<u>1,046,467</u>	<u>17,384</u>
Transfers, Financing & Capital Outlays			
Capital Outlay	5,000	0	5,000
Other Financing Sources-Uses	0	270,000	(270,000)
Total Transfers, Financing & Capital Outlays	<u>5,000</u>	<u>270,000</u>	<u>(265,000)</u>
Excess (Deficit) Revenues over (under) Expenditures	<u>1,306,336</u>	<u>1,275,446</u>	<u>(30,890)</u>
Ending Fund Balance	<u><u>1,306,336</u></u>	<u><u>1,275,446</u></u>	<u><u>(30,890)</u></u>

## South Indian River Water Control District

### Statement of Revenues and Expenditures

300 - Capital Projects Funds

From 10/1/2011 Through 2/29/2012

(In Whole Numbers)

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Investment Income	1,750	65	(1,685)
Total Revenue:	1,750	65	(1,685)
Expenditures:			
Capital Outlay	0	175,570	(175,570)
Total Expenditures:	0	175,570	(175,570)
Transfers, Financing & Capital Outlays			
Capital Outlay	27,250	0	27,250
Transfers	(154,000)	0	(154,000)
Total Transfers, Financing & Capital Outlays	(126,750)	0	(126,750)
Excess (Deficit) Revenues over (under) Expenditures	128,500	(175,505)	(304,005)
Ending Fund Balance	128,500	(175,505)	(304,005)

# South Indian River Water Control District

## Statement of Revenues and Expenditures

500 - Internal Service Fund

From 10/1/2011 Through 2/29/2012

(In Whole Numbers)

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Charges for Services	685,463	375,349	(310,114)
Rents & Contracted Service Income	10,000	26,630	16,630
Investment Income	0	(169)	(169)
Other Income	7,500	2,219	(5,281)
Total Revenue:	<u>702,963</u>	<u>404,029</u>	<u>(298,934)</u>
Expenditures:			
Personal Services	317,419	261,744	55,675
Contracted Services	81,993	40,085	41,908
Operating Expense	151,051	88,416	62,635
Office & Landowner Expense	11,669	8,601	3,068
Insurance	16,669	325	16,344
Total Expenditures:	<u>578,801</u>	<u>399,171</u>	<u>179,630</u>
Transfers, Financing & Capital Outlays			
Capital Outlay	162,625	0	162,625
Total Transfers, Financing & Capital Outlays	<u>162,625</u>	<u>0</u>	<u>162,625</u>
Excess (Deficit) Revenues over (under) Expenditures	<u>(38,463)</u>	<u>4,857</u>	<u>43,320</u>
Ending Fund Balance	<u>(38,463)</u>	<u>4,857</u>	<u>43,320</u>

## Memorandum

To South Indian River Water Control District  
Board of Supervisors Pages 5


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CC

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Subject Engineer's Report for March 2012

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From Lennart J. Lindahl, PE, District Engineer 

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Board Meeting  
Date March 15, 2012

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The following is a summary of activities and communications that were of significance during the month of March 2012:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

A. The District received petitions from landowners to apply asphalt on certain roadways within Palm Beach Country Estates. The roads met the requirements to distribute a referendum to all benefited landowners. Pursuant to Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

- 72<sup>nd</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 165<sup>th</sup> Street N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
- 72<sup>nd</sup> Drive N. between 155<sup>th</sup> Drive N. and 159<sup>th</sup> Court N.
- 167<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 78<sup>th</sup> Drive N.
- 84<sup>th</sup> Avenue N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 140<sup>th</sup> Lane N. between 64<sup>th</sup> Drive N. and 69<sup>th</sup> Drive N.
- 75<sup>th</sup> Way N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 67<sup>th</sup> Avenue N. between 141<sup>st</sup> Lane N. and Donald Ross Road
- 71<sup>st</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 151<sup>st</sup> Court N. between 69<sup>th</sup> Drive N. and 69<sup>th</sup> Trail N.
- 154<sup>th</sup> Road N. between 69<sup>th</sup> Drive N. and 75<sup>th</sup> Ave. N. (Results received November 23, 2010)

At the August 12, 2010 meeting, the Board of Supervisors directed staff to move ahead with the proposed plan of improvements. Two public hearings have been held. The South Florida Water Management District has approved the plan of improvements, and the surveying and the design of the proposed improvements have been completed.

On March 13, 2011, an invitation to bid was published in the local newspaper with the request that bidders obtain bid packages on March 16, 2011 and return their proposals by April 12, 2011. Staff received contractors' proposals and reviewed the completeness of each proposal. On May 5, 2011, the Board of Supervisors awarded the contract to Lynch Paving and Construction Company Inc. Staff negotiated the agreement with the contractor and a notice to proceed was issued on July 14, 2011. Construction began on July 25, 2011 and is continuing to progress. In accordance with the Board of Supervisors direction, staff has negotiated a change order for additional services related to Palm Beach Country Estates Park (Twisty Pines Park). Contractor has been working on punch list items and should be finalizing the project this month.

B. The District has received petitions from landowners to apply both OGEM and Asphalt on certain roadways within the District. The following roadways are petitioning to distribute a referendum for OGEM (approximately 2.3 miles):

- 151<sup>st</sup> Lane N. between 133<sup>rd</sup> Terrace N. and Canal 12
- 127<sup>th</sup> Drive N. between 187<sup>th</sup> Place N. and Old Indiantown Grade
- 126<sup>th</sup> Terrace N. between 165<sup>th</sup> Road N. and 169<sup>th</sup> Court N.
- 90<sup>th</sup> Trail N. between 165<sup>th</sup> Place N. and 166<sup>th</sup> Way N.
- 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N. (received after December 31, 2011)

In addition to these roads, the following roadways are petitioning to distribute a referendum for asphalt in Palm Beach Country Estates (approximately 2.2 miles):

- 73<sup>rd</sup> Terrace N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 79<sup>th</sup> Terrace N. between 155<sup>th</sup> Place N. and 162<sup>nd</sup> Court N.
- 75<sup>th</sup> Way N between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 67<sup>th</sup> Trail N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 77<sup>th</sup> Trail N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.

The deadline for landowners to submit roadway petitions for this pending plan of improvement was December 31, 2011.

At the January 19, 2012 meeting, the Board authorized the engineer to move forward with identifying the benefitted area and preparing the engineer's estimate of probable cost for the project. Staff is prepared to update the Board of Supervisors at this month's meeting.

## II. OPERATION AND MAINTENANCE

A. A National Pollutant Discharge Elimination System (NPDES) Steering Committee meeting was held on February 15, 2012. The 2<sup>nd</sup> year program responsibilities, such as a review of land development codes, was discussed. However, the responsibilities do not apply to special districts. An annual guide for completing permit requirements has been developed. The next Steering Committee Meeting is scheduled for March 21, 2012, and will include the viewing of training videos.

- B. On January 24, 2008, staff met with Palm Beach County to discuss their plans for the Hatcher/Indiantown Joint Venture Property. Palm Beach County is in the planning and permitting stages of a proposed project to improve the natural areas of the property while expanding the water features. Since the January 2008 meeting, staff has participated in many meetings with Palm Beach County to evaluate the project. On February 10, 2011, a Board of Supervisors workshop was held to update the Board and public on the project.

In accordance with Board direction, staff submitted a letter of conceptual approval to Palm Beach County subject to satisfying the items that were discussed at the Board of Supervisors meeting. South Florida Water Management District (SFWMD) issued a permit for the project on July 5, 2011. Staff recently met with Palm Beach County on November 3, 2011 to discuss the status of the project and operation of the facilities. On February 9, 2012, staff received a draft operation plan for the Hatcher Property. Staff is currently reviewing this plan. An operational agreement between Palm Beach County and SIRWCD is being proposed to operate the facilities. Staff continues to coordinate with Palm Beach County on this project.

- C. In accordance with the direction provided at the December, 2010 Board of Supervisors meeting, staff prepared a Minor and Insubstantial Plan Amendment to the 13<sup>th</sup> Plan of Improvements for the Board's consideration to allow for maintenance of the park in Palm Beach Country Estates. The Amendment was approved at the February, 2011 Board of Supervisors meeting. Staff is currently reviewing information that was provided by the Twisty Pines Playground Foundation and is coordinating the timing of the operation and maintenance activities for the park. In addition, staff has negotiated a change order with Lynch Paving and Construction Company, Inc. (the contractor for the 16<sup>th</sup> Plan of Improvements) to assist with the initial maintenance activities for the park. Staff has recently filed for a building permit with Palm Beach County for the construction of the facilities and has received approval. A kick off meeting on the construction of the facilities was held February 9, 2012 to coordinate the various elements of the project. Construction activities have commenced.
- D. SFWMD continues to operate the G-160 structure to maintain flood protection and is committed to coordinating with, and monitoring water levels at the perimeter of some of the communities adjacent to and east of the Loxahatchee Slough to determine if there are impacts to the communities resulting from the increased water levels. The monitoring wells installed in April, 2010 in SIRWCD's perimeter levee for Palm Beach Country Estates are measuring surface and groundwater water levels in conjunction with the operation of the G-160 structure. There has not been a G-160 meeting since our last report.
- E. The North Palm Beach County - Part 1 Comprehensive Everglades Restoration Plan (CERP) Project has been renamed the Loxahatchee River Watershed Restoration Plan. The overall purposes of this project are to increase water supplies to the Grassy Waters Preserve and Loxahatchee Slough, improve flow to enhance hydro-periods in the Loxahatchee Slough, increase base flows to the Northwest Fork of the Loxahatchee River, and reduce high discharges to the Lake Worth Lagoon. Concerns with the project that were developed by the Project Delivery Team include:

- 1) the cost benefit analysis for the L-8 reservoir

- 2) connate seepage water management costs
- 3) the project's purpose
- 4) habitat units

In order to resolve concerns, the Army Corp of Engineers and SFWMD developed an additional modeling scope. The last schedule included Agency Technical Review in August, 2011, a revised Alternative Formulation Briefing to Corps management in February, 2012, and completion of an Alternative Formulation Briefing report in April, 2012. However, that schedule is now anticipated to be pushed back at least 6 months as the SFWMD's modeling was temporarily put on hold for a couple of months. Staff will continue to monitor future developments.

- F. The date for promulgation of numeric nutrient criteria (total nitrogen and total phosphorus) for lakes and flowing waters (fresh waters) was October 15, 2011; however, the date for South Florida waters, including canals, has been extended to coincide with the revised date for promulgation of numeric nutrient criteria for estuaries and coastal waters. The first notice of rulemaking for estuaries and coastal waters was expected to be November 14, 2011 with final promulgation expected on August 15, 2012.

Staff attended a meeting conducted by the Florida Department of Environmental Protection (FDEP) on their determination of numeric nutrient criteria for the estuaries and coastal systems on August 26, 2010 and on November 17, 2010. On November 14, 2010, Environmental Protection Agency (EPA) approved the numeric nutrient criteria for fresh water and lakes. On September 29, 2011, FDEP published a draft Florida Administrative Code (F.A.C.) Chapter 62-302 regarding nutrient standards. Staff is reviewing these standards as they effect the District. The draft F.A.C. appeared before the Florida Environmental Regulation Commission (ERC). On December 8, 2011, the Florida Environmental Regulation Commission passed the Florida's numeric nutrient criteria, which include the following:

- an amendment to provide that narrative criteria will continue to apply to ditches, canals and urban storm water conveyances
- an amendment intended to limit the ability of EPA to pick and choose which provisions of the Florida rules to accept or reject.

An administrative challenge to the proposed rules has been filed by Earthjustice prior to their adoption on December 8, 2011. The challenge is scheduled to be heard in early February, 2012. The rules still require ratification by the Florida Legislature and the EPA. As of the date of this report, the Florida Legislature has passed the Florida numeric nutrient criteria and it has been forwarded to the Governor's office for signature.

The EPA has published notification that it is extending its March 6, 2012 deadline for implementation of the EPA's Numeric Nutrient Criteria regulations to June 6, 2012. This will allow the EPA to review the Florida ERC approved numeric nutrient criteria and wait for final action by the Florida Legislature as proposed by FDEP. Staff has attended various workshops concerning the development of the numeric nutrient criteria and will continue to monitor the development of these criteria.



- G. Our office continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- H. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- I. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.





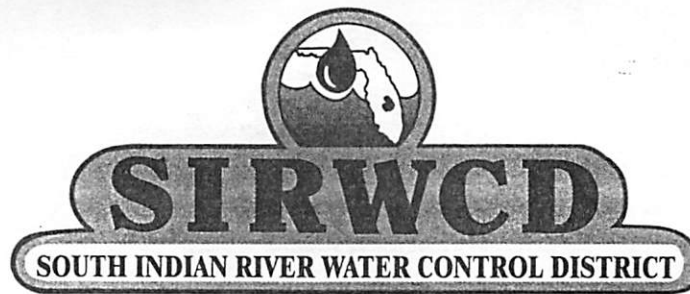
*Over 85 Years of Service*

**BOARD OF SUPERVISORS MEETING**

April 5, 2012 – 7:30 p.m.  
District's Work Center  
15600 Jupiter Farms Road, Jupiter, FL 33478

**A G E N D A**

1. Invocation and Pledge of Allegiance
2. Consent Agenda
  - Approval of Minutes (March 15 meeting)
3. Public Information report
4. Treasurer's report
5. Manager of Operations' report
6. Engineer's report
7. Attorney's Report
8. Old business
9. New business
10. Landowners' items
11. Adjourn



*Over 85 Years of Service*

**MEMORANDUM**

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for the period March 9, 2012 through March 30, 2012  
DATE: March 30, 2012

**ADMINISTRATIVE:**

1. Received \$2,300.00 from Verizon for monthly lease.
2. Meetings with homeowners discussing road and swale maintenance issues
3. Conference with the Florida Turnpike D.O.T regarding the installment of an access gate from Palm Beach Country Estates to the East Borrow Canal. The gate is part of an agreement made between the Turnpike and the District for the purpose of canal maintenance.
4. Control Communications services District radios as part of the annual contract.
5. Meeting with spray contractor, Terra-Tech, to review canal maintenance and schedule.
6. Attended Loxahatchee River Management Coordinating Council meeting.
7. The District is continuing to receive checks from property owners in Palm Beach Country Estates for their share of cost for the FEMA flood plain revision.
8. Meetings with District Engineer regarding various projects.
9. Receiving bids from John Deere and Rhino for a ten foot batwing mower to replace aging stock.

MEMORANDUM

To: Board of Supervisors

March 30, 2012

Page 2

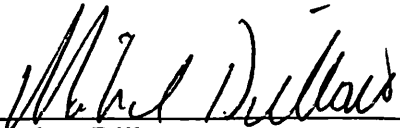
10. Presentation made at Family Day BBQ to Office Administrator, Greta Rayman, who is retiring with over 33 years of service at the District.

**WATER CONTROL**

1. Mowers and backhoes continue routine maintenance services on roadside swales and berms throughout the District.
2. Received 2.93 inches of rain this reporting period.
3. District crews continue to replace inoperable culverts and install rip-rap bags at various locations throughout the District.
4. Prepared swale for one driveway culvert followed by inspection.
5. Terra Tech continues canal spraying for aquatic weed control.

**ROAD MAINTENANCE:**

1. Allied Trucking hauled 360 tons of shell rock to District yard.
2. Graders and mowers are continuing maintenance on roadways throughout the District. Roads are being re-contoured to provide maximum run-off during rainfall events.

  
\_\_\_\_\_  
Michael A. Dillon  
Manager of Operations

MAD/hr



**DICK GRUENWALD  
ASSOCIATES, LLC**

Apr. 3, 2012

**TO: Board of Supervisors  
SOUTH INDIAN RIVER WATER CONTROL DISTRICT**

**FROM: Dick Gruenwald Associates  
DISTRICT PUBLIC INFORMATION SPECIALISTS**

**SUBJECT: Monthly Report April 2012**

News releases were sent out to local newspapers and community publications:

- ❖ Monthly Meeting (Apr. 5) release

The following items were uploaded to the website:

- ❖ Monthly Meeting (Apr. 5)
- ❖ April Staff monthly reports– Manager of Operations, Engineer, Public Information

The 21<sup>st</sup> Annual Landowners Family Day was held on March 17 and was a huge success. Attendance was up over 15% from the previous year. We had a lot of new landowners in attendance. The Tom Jackson Band entertained us while everyone enjoyed Sonny's Bar-B-Q. The children had fun at Cock-A-Doodle Doo's petting zoo, the bounce house and really enjoyed having their faces' painted.

We have begun the next District Notes & News newsletter which will include information on Family Day, Roadway Improvement projects, Greta's retirement and NPDES.

We continue to work on the overall re-design and update for the SIRWCD website to include a new look, better visibility and functionality, new information, NPDES educational aspects and more.

We continue to work with Mr. Rice and the Manager of Operations on a regular basis, as well as supplying supervisors and members of the staff newspaper clippings on SIRWCD related stories, articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally.

## Memorandum

To	South Indian River Water Control District Board of Supervisors	Pages 5
CC		
Subject	Engineer's Report for April 2012	
From	Lennart J. Lindahl, PE, District Engineer <i>ALL for JLL</i>	
Board Meeting Date	April 5, 2012	

The following is a summary of activities and communications that were of significance during the month of March and April 2012:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

A. The District received petitions from landowners to apply asphalt on certain roadways within Palm Beach Country Estates. The roads met the requirements to distribute a referendum to all benefited landowners. Pursuant to Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

- 72<sup>nd</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 165<sup>th</sup> Street N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
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- 167<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 78<sup>th</sup> Drive N.
- 84<sup>th</sup> Avenue N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 140<sup>th</sup> Lane N. between 64<sup>th</sup> Drive N. and 69<sup>th</sup> Drive N.
- 75<sup>th</sup> Way N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 67<sup>th</sup> Avenue N. between 141<sup>st</sup> Lane N. and Donald Ross Road
- 71<sup>st</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 151<sup>st</sup> Court N. between 69<sup>th</sup> Drive N. and 69<sup>th</sup> Trail N.
- 154<sup>th</sup> Road N. between 69<sup>th</sup> Drive N. and 75<sup>th</sup> Ave. N. (Results received November 23, 2010)

At the August 12, 2010 meeting, the Board of Supervisors directed staff to move ahead with the proposed plan of improvements. Two public hearings have been held. The South Florida Water Management District has approved the plan of improvements, and the surveying and the design of the proposed improvements have been completed.

On March 13, 2011, an invitation to bid was published in the local newspaper with the request that bidders obtain bid packages on March 16, 2011 and return their proposals by April 12, 2011. Staff received contractors' proposals and reviewed the completeness of each proposal. On May 5, 2011, the Board of Supervisors awarded the contract to Lynch Paving and Construction Company Inc. Staff negotiated the agreement with the contractor and a notice to proceed was issued on July 14, 2011. Construction began on July 25, 2011 and is continuing to progress. In accordance with the Board of Supervisors direction, staff has negotiated a change order for additional services related to Palm Beach Country Estates Park (Twisty Pines Park). Contractor has been working on punch list items and should be finalizing the project this month.

B. The District has received petitions from landowners to apply both OGEM and Asphalt on certain roadways within the District. The following roadways are petitioning to distribute a referendum for OGEM (approximately 2.3 miles):

- 151<sup>st</sup> Lane N. between 133<sup>rd</sup> Terrace N. and Canal 12
- 127<sup>th</sup> Drive N. between 187<sup>th</sup> Place N. and Old Indiantown Grade
- 126<sup>th</sup> Terrace N. between 165<sup>th</sup> Road N. and 169<sup>th</sup> Court N.
- 90<sup>th</sup> Trail N. between 165<sup>th</sup> Place N. and 166<sup>th</sup> Way N.
- 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N. (received after December 31, 2011)

In addition to these roads, the following roadways are petitioning to distribute a referendum for asphalt in Palm Beach Country Estates (approximately 2.2 miles):

- 73<sup>rd</sup> Terrace N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 79<sup>th</sup> Terrace N. between 155<sup>th</sup> Place N. and 162<sup>nd</sup> Court N.
- 75<sup>th</sup> Way N between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 67<sup>th</sup> Trail N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 77<sup>th</sup> Trail N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.

The deadline for landowners to submit roadway petitions for this pending plan of improvement was December 31, 2011.

At the January 19, 2012 meeting, the Board authorized the engineer to move forward with identifying the benefitted area and preparing the engineer's estimate of probable cost for the project and at the March 15, 2012 meeting, the Board authorized staff to begin the preparation of the referendum. Since the last board meeting, staff has received a petition for 82<sup>nd</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Place N. The petition requested the installation of asphalt paving and meets the requirements to be considered for referendum. This roadway is approximately 0.4 miles. Staff is prepared to update the Board of Supervisors at this month's meeting.

## II. OPERATION AND MAINTENANCE

A. A National Pollutant Discharge Elimination System (NPDES) Steering Committee meeting was held on March 21, 2012. The meeting served as training credit for co-permittees for watching a Municipal Prevention Pollution Training Video. The next

meeting is scheduled for May 16 & 17, 2012, and consists of the Florida Stormwater, Erosion, and Sedimentation Control Inspector Training Program for state certification.

- B. On January 24, 2008, staff met with Palm Beach County to discuss their plans for the Hatcher/Indiantown Joint Venture Property. Palm Beach County is in the planning and permitting stages of a proposed project to improve the natural areas of the property while expanding the water features. Since the January 2008 meeting, staff has participated in many meetings with Palm Beach County to evaluate the project. On February 10, 2011, a Board of Supervisors workshop was held to update the Board and public on the project.

In accordance with Board direction, staff submitted a letter of conceptual approval to Palm Beach County subject to satisfying the items that were discussed at the Board of Supervisors meeting. South Florida Water Management District (SFWMD) issued a permit for the project on July 5, 2011. Staff recently met with Palm Beach County on November 3, 2011 to discuss the status of the project and operation of the facilities. On February 9, 2012, staff received a draft operation plan for the Hatcher Property. Staff is currently reviewing this plan. An operational agreement between Palm Beach County and SIRWCD is being proposed to operate the facilities. Staff continues to coordinate with Palm Beach County on this project.

- C. In accordance with the direction provided at the December, 2010 Board of Supervisors meeting, staff prepared a Minor and Insubstantial Plan Amendment to the 13<sup>th</sup> Plan of Improvements for the Board's consideration to allow for maintenance of the park in Palm Beach Country Estates. The Amendment was approved at the February, 2011 Board of Supervisors meeting. Staff is currently reviewing information that was provided by the Twisty Pines Playground Foundation and is coordinating the timing of the operation and maintenance activities for the park. In addition, staff has negotiated a change order with Lynch Paving and Construction Company, Inc. (the contractor for the 16<sup>th</sup> Plan of Improvements) to assist with the initial maintenance activities for the park. Staff has recently filed for a building permit with Palm Beach County for the construction of the facilities and has received approval. A kick off meeting on the construction of the facilities was held February 9, 2012 to coordinate the various elements of the project. Construction activities have commenced.
- D. SFWMD continues to operate the G-160 structure to maintain flood protection and is committed to coordinating with, and monitoring water levels at the perimeter of some of the communities adjacent to and east of the Loxahatchee Slough to determine if there are impacts to the communities resulting from the increased water levels. The monitoring wells installed in April, 2010 in SIRWCD's perimeter levee for Palm Beach Country Estates are measuring surface and groundwater water levels in conjunction with the operation of the G-160 structure. There has not been a G-160 meeting since our last report.
- E. The North Palm Beach County - Part 1 Comprehensive Everglades Restoration Plan (CERP) Project has been renamed the Loxahatchee River Watershed Restoration Plan. The overall purposes of this project are to increase water supplies to the Grassy Waters Preserve and Loxahatchee Slough, improve flow to enhance hydro-periods in the Loxahatchee Slough, increase base flows to the Northwest Fork of the

Loxahatchee River, and reduce high discharges to the Lake Worth Lagoon. Concerns with the project that were developed by the Project Delivery Team include:

- 1) the cost benefit analysis for the L-8 reservoir
- 2) connate seepage water management costs
- 3) the project's purpose
- 4) habitat units

In order to resolve concerns, the Army Corp of Engineers and SFWMD developed an additional modeling scope. The last schedule included Agency Technical Review in August, 2011, a revised Alternative Formulation Briefing to Corps management in February, 2012, and completion of an Alternative Formulation Briefing report in April, 2012. However, that schedule is now anticipated to be pushed back at least 6 months as the SFWMD's modeling was temporarily put on hold for a couple of months. Staff will continue to monitor future developments.

- F. The date for promulgation of numeric nutrient criteria (total nitrogen and total phosphorus) for lakes and flowing waters (fresh waters) was October 15, 2011; however, the date for South Florida waters, including canals, has been extended to coincide with the revised date for promulgation of numeric nutrient criteria for estuaries and coastal waters. The first notice of rulemaking for estuaries and coastal waters was expected to be November 14, 2011 with final promulgation expected on August 15, 2012.

Staff attended a meeting conducted by the Florida Department of Environmental Protection (FDEP) on their determination of numeric nutrient criteria for the estuaries and coastal systems on August 26, 2010 and on November 17, 2010. On November 14, 2010, Environmental Protection Agency (EPA) approved the numeric nutrient criteria for fresh water and lakes. On September 29, 2011, FDEP published a draft Florida Administrative Code (F.A.C.) Chapter 62-302 regarding nutrient standards. Staff is reviewing these standards as they affect the District. The draft F.A.C. appeared before the Florida Environmental Regulation Commission (ERC). On December 8, 2011, the Florida Environmental Regulation Commission passed the Florida's numeric nutrient criteria, which include the following:

- an amendment to provide that narrative criteria will continue to apply to ditches, canals and urban storm water conveyances
- an amendment intended to limit the ability of EPA to pick and choose which provisions of the Florida rules to accept or reject.

An administrative challenge to the proposed rules has been filed by Earthjustice prior to their adoption on December 8, 2011. The challenge is scheduled to be heard in early February, 2012. The rules still require ratification by the Florida Legislature and the EPA. As of the date of this report, the Florida Legislature has passed the Florida numeric nutrient criteria and it has been forwarded to the Governor's office for signature.

The EPA has published notification that it is extending its March 6, 2012 deadline for implementation of the EPA's Numeric Nutrient Criteria regulations to June 6, 2012. This will allow the EPA to review the Florida ERC approved numeric nutrient criteria and wait for final action by the Florida Legislature as proposed by FDEP. Staff has





attended various workshops concerning the development of the numeric nutrient criteria and will continue to monitor the development of these criteria.

- G. Our office continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- H. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- I. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.



*Over 85 Years of Service*

**BOARD OF SUPERVISORS MEETING**

May 17, 2012 – 7:30 p.m.  
Jupiter High School – Guidance Suite  
500 N. Military Trail, Jupiter, FL 33458

**AGENDA**

1. Invocation and Pledge of Allegiance
2. Consent Agenda
  - Approval of Minutes (March 15 & April 5 meetings)
  - Approval of Warrant List
3. Public Information report
4. Treasurer's report
5. Manager of Operations' report
6. Engineer's report
7. Attorney's Report
8. Old business
9. New business
10. Landowners' items
11. Adjourn



*Over 85 Years of Service*

**MEMORANDUM**

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for the period March 31, 2012 through May11, 2012  
DATE: May11, 2012

**ADMINISTRATIVE:**

1. Office Administrator Greta Rayman retires after 33 years of dedicated service to the District. Holly Rigsby is promoted to Office Administrator.
2. Carol Wise is hired as Administrator Assistant.
3. Meetings with homeowners discussing road and swale maintenance issues.
4. Meeting with spray contractor, Terra-Tech, to review canal maintenance and schedule.
5. Received \$2300.00 from Verizon for monthly lease.
6. Received \$7,500.00 from Palm Beach County for quarterly maintenance.
7. Attended Staff conference.
8. The District is continuing to receive checks from property owners in Palm Beach Country Estates for their share of cost for the FEMA flood plain revision.
9. Meetings with District Engineer and landscaping contractor to review site plan for Palm Beach Country Estates Park.
10. Conference with District Engineer and Palm Beach County E.R.M. to discuss plans for the canal 2/Hatcher project.

MEMORANDUM

To: Board of Supervisors

May 11, 2012

Page 2

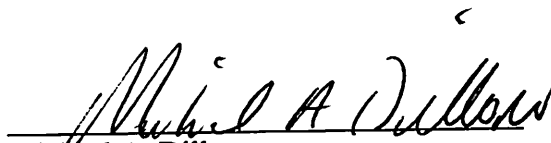
11. Hired Matt Wood as a level 2 backhoe operator.
12. Meeting with Palm Beach County and District Engineers to discuss the 3 easement through Riverbend Park.
13. Conference with B.C.I. Technologies to review the Districts telemetry system for the water control structures.
14. District purchased a John Deere CX-15 wing mower and traded in a Rhino FL-10 mower.

**WATER CONTROL**

1. Mowers and backhoes continue routine maintenance services on roadside swales and berms throughout the District.
2. Received 2.37 inches of rain this reporting period.
3. District crews continue to replace inoperable culverts and install rip-rap bags at various locations throughout the District.
4. Prepared swale for three driveway culvert followed by inspection.
5. Terra Tech continues canal spraying for aquatic weed control.

**ROAD MAINTENANCE:**

1. As part of the District's annual road maintenance program, North Florida Emulsion fog-sealed seven miles of existing O.G.E.M roads, and repaired .37 miles with micro-patch.

  
Michael A. Dillon  
Manager of Operations

MAD/cw



**DICK GRUENWALD  
ASSOCIATES, LLC**

May 11, 2012

**TO: Board of Supervisors  
SOUTH INDIAN RIVER WATER CONTROL DISTRICT**

**FROM: Dick Gruenwald Associates  
DISTRICT PUBLIC INFORMATION SPECIALISTS**

**SUBJECT: Monthly Report May 2012**

News releases were sent out to local newspapers and community publications:

- ❖ Monthly Meeting (May 17) release

The following items were uploaded to the website:

- ❖ May Staff monthly reports– Manager of Operations, Engineer, Public Information

We attended the Staff Luncheon on May 8<sup>th</sup>.

We are working with Mr. Rice on a landowner questionnaire. We plan to include it in the District's newsletter to save costs of a separate mailing.

We are working on the next District Notes & News newsletter which will include information on Family Day, Roadway Improvement projects, Greta's retirement, the Palm Beach Country Estates potable water hookup program continuation with the Town of Jupiter and NPDES.

The overall re-design and updating of the SIRWCD website continues and will include a new look, better visibility and functionality, new information, NPDES educational aspects and more.

We continue to work with Mr. Rice and the Manager of Operations on a regular basis, as well as supplying supervisors and members of the staff newspaper clippings on SIRWCD related stories, articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally.

**Memorandum**

To South Indian River Water Control District  
Board of Supervisors Pages 5


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Subject Engineer's Report for May 2012

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From Lennart J. Lindahl, PE, District Engineer 

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Board Meeting Date May 17, 2012

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The following is a summary of activities and communications that were of significance during the month of May 2012:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

A. The District received petitions from landowners to apply asphalt on certain roadways within Palm Beach Country Estates. The roads met the requirements to distribute a referendum to all benefited landowners. Pursuant to Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

- 72<sup>nd</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 165<sup>th</sup> Street N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
- 72<sup>nd</sup> Drive N. between 155<sup>th</sup> Drive N. and 159<sup>th</sup> Court N.
- 167<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 78<sup>th</sup> Drive N.
- 84<sup>th</sup> Avenue N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 140<sup>th</sup> Lane N. between 64<sup>th</sup> Drive N. and 69<sup>th</sup> Drive N.
- 75<sup>th</sup> Way N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 67<sup>th</sup> Avenue N. between 141<sup>st</sup> Lane N. and Donald Ross Road
- 71<sup>st</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 151<sup>st</sup> Court N. between 69<sup>th</sup> Drive N. and 69<sup>th</sup> Trail N.
- 154<sup>th</sup> Road N. between 69<sup>th</sup> Drive N. and 75<sup>th</sup> Ave. N. (Results received November 23, 2010)

At the August 12, 2010 meeting, the Board of Supervisors directed staff to move ahead with the proposed plan of improvements. Two public hearings have been held. The South Florida Water Management District has approved the plan of improvements, and the surveying and the design of the proposed improvements have been completed.

On March 13, 2011, an invitation to bid was published in the local newspaper with the request that bidders obtain bid packages on March 16, 2011 and return their proposals by April 12, 2011. Staff received contractors' proposals and reviewed the completeness of each proposal. On May 5, 2011, the Board of Supervisors awarded the contract to Lynch Paving and Construction Company Inc. Staff negotiated the agreement with the contractor and a notice to proceed was issued on July 14, 2011. Construction began on July 25, 2011 and is continuing to progress. In accordance with the Board of Supervisors direction, staff has negotiated a change order for additional services related to Palm Beach Country Estates Park (Twisty Pines Park). Contractor has been working on punch list items and is submitting the final pay request this month.

B. The District has received petitions from landowners to apply both OGEM and Asphalt on certain roadways within the District. The following roadways are petitioning to distribute a referendum for OGEM (approximately 2.3 miles):

- 151<sup>st</sup> Lane N. between 133<sup>rd</sup> Terrace N. and Canal 12
- 127<sup>th</sup> Drive N. between 187<sup>th</sup> Place N. and Old Indiantown Grade
- 126<sup>th</sup> Terrace N. between 165<sup>th</sup> Road N. and 169<sup>th</sup> Court N.
- 90<sup>th</sup> Trail N. between 165<sup>th</sup> Place N. and 166<sup>th</sup> Way N.
- 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N.

In addition to these roads, the following roadways are petitioning to distribute a referendum for asphalt in Palm Beach Country Estates (approximately 2.6 miles):

- 73<sup>rd</sup> Terrace N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 79<sup>th</sup> Terrace N. between 155<sup>th</sup> Place N. and 162<sup>nd</sup> Court N.
- 75<sup>th</sup> Way N between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 67<sup>th</sup> Trail N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 77<sup>th</sup> Trail N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 82<sup>nd</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Place N.

At the January 19, 2012 meeting, the Board authorized the engineer to move forward with identifying the benefitted area and preparing the engineer's estimate of probable cost for the project and at the March 15, 2012 meeting, the Board authorized staff to begin the preparation of the referendum for the roads referenced above except 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N. At the April 5, 2012 meeting, the direction of the Board of Supervisors was given to staff to include 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N. as well as 82<sup>nd</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Place N in the upcoming referendum.

## II. OPERATION AND MAINTENANCE

A. There has not been a National Pollutant Discharge Elimination System (NPDES) Steering Committee meeting since our last report. The next meeting is scheduled for May 16 & 17, 2012, and consists of the Florida Stormwater, Erosion, and Sedimentation Control Inspector Training Program for state certification.

- B. On January 24, 2008, staff met with Palm Beach County to discuss their plans for the Hatcher/Indiantown Joint Venture Property. Palm Beach County is in the planning and permitting stages of a proposed project to improve the natural areas of the property while expanding the water features. Since the January 2008 meeting, staff has participated in many meetings with Palm Beach County to evaluate the project. On February 10, 2011, a Board of Supervisors workshop was held to update the Board and public on the project.

In accordance with Board direction, staff submitted a letter of conceptual approval to Palm Beach County subject to satisfying the items that were discussed at the Board of Supervisors meeting. South Florida Water Management District (SFWMD) issued a permit for the project on July 5, 2011. Staff recently met with Palm Beach County on November 3, 2011 to discuss the status of the project and operation of the facilities. On February 9, 2012, staff received a draft operation plan for the Hatcher Property. Staff has reviewed the operation plan, but on May 10, 2012, Palm Beach County met with staff concerning a new proposal. Staff continues to coordinate with Palm Beach County on this project and is prepared to update the Board of Supervisors at this month's meeting.

- C. In accordance with the direction provided at the December, 2010 Board of Supervisors meeting, staff prepared a Minor and Insubstantial Plan Amendment to the 13<sup>th</sup> Plan of Improvements for the Board's consideration to allow for maintenance of the park in Palm Beach Country Estates. The Amendment was approved at the February, 2011 Board of Supervisors meeting. Staff is currently reviewing information that was provided by the Twisty Pines Playground Foundation and is coordinating the timing of the operation and maintenance activities for the park. In addition, staff has negotiated a change order with Lynch Paving and Construction Company, Inc. (the contractor for the 16<sup>th</sup> Plan of Improvements) to assist with the initial maintenance activities for the park. Staff has recently filed for a building permit with Palm Beach County for the construction of the facilities and has received approval. A kick off meeting on the construction of the facilities was held February 9, 2012 to coordinate the various elements of the project. Construction activities have commenced. As of May 11, 2012, construction activities on the park are near completion. The installation of the fence and other punch item are the last to remain.
- D. On May 1, 2021, staff met with Palm Beach County Parks and Recreation for Riverbend Park to discuss the extension of Canal 3 directly east into the park. Currently, Canal 3 goes east from Jupiter Farms Road and turns south along the District line into Riverbend Park. When it enters Riverbend Park, the canal continues through two 42-inch culverts in series before discharging into the ultimate discharge location. By extending the canal directly east instead of turning south, headloss can be reduced, which will provide better flood protection. Staff continues to cooperate with Palm Beach County on this project and is prepared to update the Board of Supervisors at this month's meeting.
- E. SFWMD continues to operate the G-160 structure to maintain flood protection and is committed to coordinating with, and monitoring water levels at the perimeter of some of the communities adjacent to and east of the Loxahatchee Slough to determine if there are impacts to the communities resulting from the increased water levels. The monitoring wells installed in April, 2010 in SIRWCD's perimeter levee for Palm Beach Country Estates are measuring surface and groundwater water levels in conjunction



with the operation of the G-160 structure. There has not been a G-160 meeting since our last report.

- F. The North Palm Beach County - Part 1 Comprehensive Everglades Restoration Plan (CERP) Project has been renamed the Loxahatchee River Watershed Restoration Plan. The overall purposes of this project are to increase water supplies to the Grassy Waters Preserve and Loxahatchee Slough, improve flow to enhance hydro-periods in the Loxahatchee Slough, increase base flows to the Northwest Fork of the Loxahatchee River, and reduce high discharges to the Lake Worth Lagoon. Concerns with the project that were developed by the Project Delivery Team include:

- 1) the cost benefit analysis for the L-8 reservoir
- 2) connate seepage water management costs
- 3) the project's purpose
- 4) habitat units

In order to resolve concerns, the Army Corp of Engineers and SFWMD developed an additional modeling scope. The last schedule included Agency Technical Review in August, 2011, a revised Alternative Formulation Briefing to Corps management in February, 2012, and completion of an Alternative Formulation Briefing report in April, 2012. However, that schedule is now anticipated to be pushed back at least 6 months as the SFWMD's modeling was temporarily put on hold for a couple of months. Staff will continue to monitor future developments.

- G. The date for promulgation of numeric nutrient criteria (total nitrogen and total phosphorus) for lakes and flowing waters (fresh waters) was October 15, 2011; however, the date for South Florida waters, including canals, has been extended to coincide with the revised date for promulgation of numeric nutrient criteria for estuaries and coastal waters. The first notice of rulemaking for estuaries and coastal waters was expected to be November 14, 2011 with final promulgation expected on August 15, 2012.

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early February, 2012. The rules still require ratification by the Florida Legislature and the EPA. As of the date of this report, the Florida Legislature has passed the Florida numeric nutrient criteria and it has been forwarded to the Governor's office for signature.

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- H. Our office continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- I. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- J. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.



*Over 85 Years of Service*

**BOARD OF SUPERVISORS MEETING**

June 21, 2012 – 7:30 p.m.  
Jupiter High School – Guidance Suite  
500 N. Military Trail, Jupiter, FL 33458

**A G E N D A**

1. Invocation and Pledge of Allegiance
2. Consent Agenda
  - Approval of Minutes (April 5 & May 17 meetings)
  - Approval of Warrant List
3. Public Information report
4. Treasurer's report
5. Manager of Operations' report
6. Engineer's report
7. Attorney's Report
8. Old business
9. New business
10. Landowners' items
11. Adjourn



*Over 85 Years of Service*

**MEMORANDUM**

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for the period May 11, 2012 through June 14, 2012  
DATE: June 14, 2012

**ADMINISTRATIVE:**

1. Attended F.A.S.D. annual conference.
2. Terra-Tech, the District's aquatic weed spraying contractor, agrees to renew the canal maintenance contract for 2012 – 2013 at the same price.
3. Meetings with homeowners to discuss road and swale maintenance issues.
4. Meeting with Terra-Tech to review canal maintenance and schedule.
5. Received \$2,300.00 from Verizon for the monthly lease.
6. Field foreman, Greg Gell, receives certificate for attending the Florida Stormwater Erosion and Sedimentation Control Inspector Training Program.
7. Attended Staff conference.
8. The District continues to receive payment from property owners in Palm Beach Country estates for their share of cost for the FEMA flood plain revision.
9. Meetings with District Engineer and Lynch Construction to review the installation of the security fence around the Palm Beach Country Estates Community Park.
10. Meeting with District Engineers regarding on-going projects.

MEMORANDUM

To: Board of Supervisors

Date: June 14, 2012

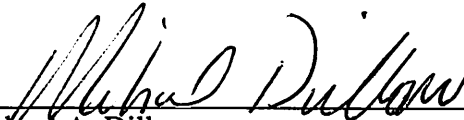
Page 2

**WATER CONTROL**

1. Mowers and backhoes continue routine maintenance services on roadside swales and berms throughout the District.
2. Received 7.19 inches of rain this reporting period.
3. District crews continue to replace inoperable culverts and install rip-rap bags at various locations throughout the District.
4. Prepared swale for seven driveway culverts followed by inspection.
5. Terra Tech continues canal spraying for aquatic weed control.

**ROAD MAINTENANCE:**

1. Roads continue to be re-contoured to provide maximum run-off during rain storm events.
2. Lake Pointe Restoration hauled 460 tons of shell rock to the District yard.
3. D.S. Eakins hauled 360 yards of asphalt stabilizer to the District yard.

  
\_\_\_\_\_  
Michael A. Dillon  
Manager of Operations

MAD/hr



**DICK GRUENWALD  
ASSOCIATES, LLC**

June 15, 2012

**TO: Board of Supervisors  
SOUTH INDIAN RIVER WATER CONTROL DISTRICT**

**FROM: Dick Gruenwald Associates  
DISTRICT PUBLIC INFORMATION SPECIALISTS**

**SUBJECT: Monthly Report June 2012**

News releases were sent out to local newspapers and community publications:

- ❖ Monthly Meeting (June 21) release

The following items were uploaded to the website:

- ❖ June Staff monthly reports– Manager of Operations, Engineer, Public Information
- ❖ March 15 meeting minutes
- ❖ Notice of time period to request name to appear on official ballot for Supervisor Election

We attended the Staff Luncheon on June 14<sup>th</sup>.

We are finalizing the next District Notes & News newsletter which will include information on Family Day, Roadway Improvement projects, Greta's retirement, the Palm Beach Country Estates potable water hookup program continuation with the Town of Jupiter and NPDES. We will include the landowner questionnaire in this edition.

The overall re-design and updating of the SIRWCD website continues and will include a new look, better visibility and functionality, new information, NPDES educational aspects and more.

We continue to work with Mr. Rice and the Manager of Operations on a regular basis, as well as supplying supervisors and members of the staff newspaper clippings on SIRWCD related stories, articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally.



To: Board of Supervisors  
FROM: Charles F. Haas, Treasurer  
RE: Treasurer's Report for the month of May, 2012  
CC: Staff  
Date: June 15, 2012

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### **Routine Business**

1. The District has received a total of \$5,074,851 in assessment receipts through May 31, 2012 or 97% of the expected receipts for 2011/2012. This is ahead of collections for the same period in prior year.
2. We are continuing to work with the District's auditors, Grau & Company, on the audit for the fiscal year ending September 30, 2011. We expect that the report will be sent to the Board shortly before the next meeting.
3. The Town of Jupiter has begun processing applications for hookup under our new agreement. They are offering terms of 5.5% annual interest with a 20 year amortization. We have obtained a check list to assist the residents of the Palm Beach County Estate in their Hookup to the Town of Jupiter Water System and in the financing of the connection fees and will be putting it on the web site to assist landowners who wish to take advantage of this arrangement.
4. We will be forwarding to the Proposed Budget for the fiscal year 2012-13 to the Board under separate cover. No dramatic differences are anticipated with the exception of some parcels in the Jupiter Commerce Park who will see significant reductions in assessment because of the final maturity of some of the infrastructure financing notes.
5. Following the Board's direction we will be sending our report to the District's Public Information Officer for uploading to the web-site.

### **Board Consideration**

1. The Board will be asked to approve the list of disbursements. (sent under separate cover)
2. The Board will be asked to schedule a public hearing and/or workshop on the proposed budget.

# South Indian River Water Control District

## Statement of Revenues and Expenditures

100 - Special Revenue Funds

From 10/1/2011 Through 5/31/2012

(In Whole Numbers)

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Assessments - Net	2,054,119	1,993,158	(60,960)
Rents & Contracted Service Income	0	9,178	9,178
Investment Income	4,600	2,577	(2,023)
Other Income	12,000	18,000	6,000
Total Revenue:	<u>2,070,719</u>	<u>2,022,914</u>	<u>(47,805)</u>
Expenditures:			
Personal Services	141,664	534,840	(393,176)
Contracted Services	408,799	331,864	76,935
Operating Expense	998,400	99,394	899,006
Total Expenditures:	<u>1,548,863</u>	<u>966,098</u>	<u>582,765</u>
Excess (Deficit) Revenues over (under) Expenditures	<u>521,856</u>	<u>1,056,816</u>	<u>534,960</u>
Ending Fund Balance	<u>521,856</u>	<u>1,056,816</u>	<u>534,960</u>



# South Indian River Water Control District

## Statement of Revenues and Expenditures

200 - Debt Service Funds

From 10/1/2011 Through 5/31/2012

(In Whole Numbers)

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Assessments - Net	2,684,926	2,604,664	(80,262)
Investment Income	2,038	1,833	(205)
Other Income	0	49,430	49,430
Total Revenue:	<u>2,686,964</u>	<u>2,655,927</u>	<u>(31,037)</u>
Expenditures:			
Contracted Services	7,140	21,625	(14,485)
Operating Expense	0	15,391	(15,391)
Principal Repayments	704,200	704,200	(0)
Interest Paid	742,980	593,147	149,833
Other Debt Service	15,830	25,568	(9,738)
Total Expenditures:	<u>1,470,150</u>	<u>1,359,930</u>	<u>110,219</u>
Transfers, Financing & Capital Outlays			
Capital Outlay	7,500	0	7,500
Other Financing Sources-Uses	0	270,000	(270,000)
Total Transfers, Financing & Capital Outlays	<u>7,500</u>	<u>270,000</u>	<u>(262,500)</u>
Excess (Deficit) Revenues over (under) Expenditures	<u>1,209,315</u>	<u>1,025,996</u>	<u>(183,318)</u>
Ending Fund Balance	<u>1,209,315</u>	<u>1,025,996</u>	<u>(183,318)</u>

# South Indian River Water Control District

## Statement of Revenues and Expenditures

300 - Capital Projects Funds

From 10/1/2011 Through 5/31/2012

(In Whole Numbers)

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Investment Income	2,800	199	(2,601)
Total Revenue:	2,800	199	(2,601)
Expenditures:			
Capital Outlay	0	211,090	(211,090)
Total Expenditures:	0	211,090	(211,090)
Transfers, Financing & Capital Outlays			
Capital Outlay	27,250	0	27,250
Transfers	(231,000)	0	(231,000)
Total Transfers, Financing & Capital Outlays	(203,750)	0	(203,750)
Excess (Deficit) Revenues over (under) Expenditures	206,550	(210,891)	(417,441)
Ending Fund Balance	206,550	(210,891)	(417,441)

# South Indian River Water Control District

## Statement of Revenues and Expenditures

500 - Internal Service Fund

From 10/1/2011 Through 5/31/2012

(In Whole Numbers)

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Charges for Services	1,096,736	629,505	(467,231)
Rents & Contracted Service Income	16,000	38,730	22,730
Investment Income	0	(187)	(187)
Other Income	15,000	2,356	(12,644)
Total Revenue:	<u>1,127,736</u>	<u>670,405</u>	<u>(457,331)</u>
Expenditures:			
Personal Services	507,868	452,468	55,400
Contracted Services	131,196	95,666	35,531
Operating Expense	226,672	161,029	65,643
Office & Landowner Expense	18,668	11,570	7,098
Insurance	26,668	1,671	24,997
Total Expenditures:	<u>911,072</u>	<u>722,404</u>	<u>188,668</u>
Transfers, Financing & Capital Outlays			
Capital Outlay	230,313	39,095	191,218
Total Transfers, Financing & Capital Outlays	<u>230,313</u>	<u>39,095</u>	<u>191,218</u>
Excess (Deficit) Revenues over (under) Expenditures	<u>(13,649)</u>	<u>(91,094)</u>	<u>(77,446)</u>
Ending Fund Balance	<u>(13,649)</u>	<u>(91,094)</u>	<u>(77,446)</u>

## Memorandum

To South Indian River Water Control District  
Board of Supervisors Pages 5


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CC

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Subject Engineer's Report for June 2012

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From Lennart J. Lindahl, PE, District Engineer 

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Board Meeting Date June 21, 2012

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The following is a summary of activities and communications that were of significance during the month of June 2012:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

A. The District received petitions from landowners to apply asphalt on certain roadways within Palm Beach Country Estates. The roads met the requirements to distribute a referendum to all benefited landowners. Pursuant to Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

- 72<sup>nd</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 165<sup>th</sup> Street N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
- 72<sup>nd</sup> Drive N. between 155<sup>th</sup> Drive N. and 159<sup>th</sup> Court N.
- 167<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 78<sup>th</sup> Drive N.
- 84<sup>th</sup> Avenue N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 140<sup>th</sup> Lane N. between 64<sup>th</sup> Drive N. and 69<sup>th</sup> Drive N.
- 75<sup>th</sup> Way N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 67<sup>th</sup> Avenue N. between 141<sup>st</sup> Lane N. and Donald Ross Road
- 71<sup>st</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 151<sup>st</sup> Court N. between 69<sup>th</sup> Drive N. and 69<sup>th</sup> Trail N.
- 154<sup>th</sup> Road N. between 69<sup>th</sup> Drive N. and 75<sup>th</sup> Ave. N. (Results received November 23, 2010)

At the August 12, 2010 meeting, the Board of Supervisors directed staff to move ahead with the proposed plan of improvements. Two public hearings have been held. The South Florida Water Management District has approved the plan of improvements, and the surveying and the design of the proposed improvements have been completed.

On March 13, 2011, an invitation to bid was published in the local newspaper with the request that bidders obtain bid packages on March 16, 2011 and return their proposals by April 12, 2011. Staff received contractors' proposals and reviewed the completeness of each proposal. On May 5, 2011, the Board of Supervisors awarded the contract to Lynch Paving and Construction Company Inc. Staff negotiated the agreement with the contractor and a notice to proceed was issued on July 14, 2011. Construction began on July 25, 2011 and is continuing to progress. In accordance with the Board of Supervisors direction, staff has negotiated a change order for additional services related to Palm Beach Country Estates Park (Twisty Pines Park). Contractor has been working on punch list items and is submitting the final pay request this month.

B. The District has received petitions from landowners to apply both OGEM and Asphalt on certain roadways within the District. The following roadways are petitioning to distribute a referendum for OGEM (approximately 2.3 miles):

- 151<sup>st</sup> Lane N. between 133<sup>rd</sup> Terrace N. and Canal 12
- 127<sup>th</sup> Drive N. between 187<sup>th</sup> Place N. and Old Indiantown Grade
- 126<sup>th</sup> Terrace N. between 165<sup>th</sup> Road N. and 169<sup>th</sup> Court N.
- 90<sup>th</sup> Trail N. between 165<sup>th</sup> Place N. and 166<sup>th</sup> Way N.
- 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N.

In addition to these roads, the following roadways are petitioning to distribute a referendum for asphalt in Palm Beach Country Estates (approximately 2.6 miles):

- 73<sup>rd</sup> Terrace N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 79<sup>th</sup> Terrace N. between 155<sup>th</sup> Place N. and 162<sup>nd</sup> Court N.
- 75<sup>th</sup> Way N between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 67<sup>th</sup> Trail N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 77<sup>th</sup> Trail N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 82<sup>nd</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Place N.

At the January 19, 2012 meeting, the Board authorized the engineer to move forward with identifying the benefitted area and preparing the engineer's estimate of probable cost for the project and at the March 15, 2012 meeting, the Board authorized staff to begin the preparation of the referendum for the roads referenced above except 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N. At the April 5, 2012 meeting, the direction of the Board of Supervisors was given to staff to include 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N. as well as 82<sup>nd</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Place N in the upcoming referendum.

## II. OPERATION AND MAINTENANCE

A. On May 16 & 17, 2012, the National Pollutant Discharge Elimination System (NPDES) Steering Committee meeting consisted of a training session by the Florida Stormwater, Erosion, and Sedimentation Control Inspector Training Program for state certification. The next scheduled NPDES Steering Committee meeting is planned for June 20, 2012.

- B. On January 24, 2008, staff met with Palm Beach County to discuss their plans for the Hatcher/Indiantown Joint Venture Property. Palm Beach County is in the planning and permitting stages of a proposed project to improve the natural areas of the property while expanding the water features. Since the January 2008 meeting, staff has participated in many meetings with Palm Beach County to evaluate the project. On February 10, 2011, a Board of Supervisors workshop was held to update the Board and public on the project.

In accordance with Board direction, staff submitted a letter of conceptual approval to Palm Beach County subject to satisfying the items that were discussed at the Board of Supervisors meeting. South Florida Water Management District (SFWMD) issued a permit for the project on July 5, 2011. Staff recently met with Palm Beach County on November 3, 2011 to discuss the status of the project and operation of the facilities. On February 9, 2012, staff received a draft operation plan for the Hatcher Property. Staff has reviewed the operation plan, but on May 10, 2012, Palm Beach County met with staff concerning a new proposal. At the May 17, 2012 Board Meeting, Palm Beach County presented their new proposal to the Board and staff. Staff continues to coordinate with Palm Beach County on this project and is prepared to update the Board of Supervisors at this month's meeting.

- C. In accordance with the direction provided at the December, 2010 Board of Supervisors meeting, staff prepared a Minor and Insubstantial Plan Amendment to the 13<sup>th</sup> Plan of Improvements for the Board's consideration to allow for maintenance of the park in Palm Beach Country Estates. The Amendment was approved at the February, 2011 Board of Supervisors meeting. Staff is currently reviewing information that was provided by the Twisty Pines Playground Foundation and is coordinating the timing of the operation and maintenance activities for the park. In addition, staff has negotiated a change order with Lynch Paving and Construction Company, Inc. (the contractor for the 16<sup>th</sup> Plan of Improvements) to assist with the initial maintenance activities for the park. Staff has recently filed for a building permit with Palm Beach County for the construction of the facilities and has received approval. A kick off meeting on the construction of the facilities was held February 9, 2012 to coordinate the various elements of the project. Construction activities are near completion, and the installation of the fence and an Engineer's certification are the remaining items.
- D. On May 1, 2021, staff met with Palm Beach County Parks and Recreation for Riverbend Park to discuss the extension of Canal 3 directly east into the park. Currently, Canal 3 goes east from Jupiter Farms Road and turns south along the District line into Riverbend Park. When it enters Riverbend Park, the canal continues through two 42-inch culverts in series before discharging into the ultimate discharge location. By extending the canal directly east instead of turning south, headloss can be reduced, which will provide better flood protection.

Survey has been obtained at the project site and staff is preparing engineering drawings for the purpose of obtaining the necessary permits for the construction of the project. Staff continues to cooperate with Palm Beach County on this project and is prepared to update the Board of Supervisors at this month's meeting.

- E. SFWMD continues to operate the G-160 structure to maintain flood protection and is committed to coordinating with, and monitoring water levels at the perimeter of some of the communities adjacent to and east of the Loxahatchee Slough to determine if there are impacts to the communities resulting from the increased water levels. The monitoring wells installed in April, 2010 in SIRWCD's perimeter levee for Palm Beach Country Estates are measuring surface and groundwater water levels in conjunction with the operation of the G-160 structure. There has not been a G-160 meeting since our last report.
- F. The North Palm Beach County - Part 1 Comprehensive Everglades Restoration Plan (CERP) Project has been renamed the Loxahatchee River Watershed Restoration Plan. The overall purposes of this project are to increase water supplies to the Grassy Waters Preserve and Loxahatchee Slough, improve flow to enhance hydro-periods in the Loxahatchee Slough, increase base flows to the Northwest Fork of the Loxahatchee River, and reduce high discharges to the Lake Worth Lagoon. Concerns with the project that were developed by the Project Delivery Team include:
- 1) the cost benefit analysis for the L-8 reservoir
  - 2) connate seepage water management costs
  - 3) the project's purpose
  - 4) habitat units

In order to resolve concerns, the Army Corp of Engineers and SFWMD developed an additional modeling scope. The last schedule included Agency Technical Review in August, 2011, a revised Alternative Formulation Briefing to Corps management in February, 2012, and completion of an Alternative Formulation Briefing report in April, 2012. However, that schedule is now anticipated to be pushed back at least 6 months as the SFWMD's modeling was temporarily put on hold for a couple of months. Staff will continue to monitor future developments.

- G. The date for promulgation of numeric nutrient criteria (total nitrogen and total phosphorus) for lakes and flowing waters (fresh waters) was October 15, 2011; however, the date for South Florida waters, including canals, has been extended to coincide with the revised date for promulgation of numeric nutrient criteria for estuaries and coastal waters. The first notice of rulemaking for estuaries and coastal waters was expected to be November 14, 2011 with final promulgation expected on August 15, 2012.

Staff attended a meeting conducted by the Florida Department of Environmental Protection (FDEP) on their determination of numeric nutrient criteria for the estuaries and coastal systems on August 26, 2010 and on November 17, 2010. On November 14, 2010, Environmental Protection Agency (EPA) approved the numeric nutrient criteria for fresh water and lakes. On September 29, 2011, FDEP published a draft Florida Administrative Code (F.A.C.) Chapter 62-302 regarding nutrient standards. Staff is reviewing these standards as they affect the District. The draft F.A.C. appeared before the Florida Environmental Regulation Commission (ERC). On December 8, 2011, the Florida Environmental Regulation Commission passed the Florida's numeric nutrient criteria, which include the following:

- an amendment to provide that narrative criteria will continue to apply to ditches, canals and urban storm water conveyances
- an amendment intended to limit the ability of EPA to pick and choose which provisions of the Florida rules to accept or reject.

An administrative challenge to the proposed rules has been filed by Earthjustice prior to their adoption on December 8, 2011. On June 7, 2012, an administrative law judge upheld the state's proposed new water quality rules. The rules were required ratification by the Florida Legislature, but Governor Rick Scott signed HB 7051 waiving legislative ratification of the proposed rules. After FDEP notifies the EPA of the judge's decision, EPA will have 60 days to approve the state rules and then would have to withdraw the federal rule for the state rules to take effect.

On May 31, 2012, a federal judge granted the EPA a nearly six-month extension to the June 6, 2012 deadline, which is now November 30, 2012. This will allow the EPA to review the Florida ERC approved numeric nutrient criteria. Staff has attended various workshops concerning the development of the numeric nutrient criteria and will continue to monitor the development of these criteria.

On May 15, 2012, staff attended a public workshop on Triennial Review of State Surface Water Quality Standards. This review is required by the Federal Clean Water Act to publically review, and update as necessary, Florida's water quality standards. Pursuant to federal regulations, this review is expected to happen every three years. The topics that were reviewed were Human Health-Based Criteria and Dissolved Oxygen Criteria.

- H. Our office continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- I. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- J. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.





*Over 85 Years of Service*

**MEMORANDUM**

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for the period June 15, 2012 through July 13, 2012  
DATE: July 13, 2012

**ADMINISTRATIVE:**

1. Attended Loxahatchee River Management Coordinating Council meeting.
2. Conducted employee safety meeting at District Work Center.
3. Meetings with homeowners discussing road and swale maintenance issues.
4. Met with aquatic weed spraying contractor, Terra Tech, to review canal maintenance and schedule.
5. Received \$2,300.00 from Verizon for monthly lease.
6. On-site meetings with Palm Beach County Environmental Resource Management to discuss possible improvements to the District's Canal 12 north of Indiantown Road.
7. Meetings with District Engineer and Project Managers for the Seventh Day Church to discuss restoring a portion of 103<sup>rd</sup> Terrace (OGEM Road) due to heavy construction traffic.
8. On-site meeting with North Palm Beach Heights Water Control District Engineer to discuss removal of vegetation along SIRWCD's easement in Egret Landing.
9. Meetings with District Engineer and Lynch Construction to review the installation of the security fence around the Park in Palm Beach Country Estates.

MEMORANDUM

To: Board of Supervisors  
Date: July 13, 2012  
Page 2

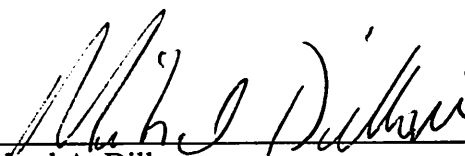
10. Meeting with District Engineer and South Florida Water Management to discuss plans for the Canal 3 extension to River Bend Park.
11. Meeting with District Engineers regarding various on-going projects.

**WATER CONTROL**

1. Mowers and backhoes continue routine maintenance services on roadside swales and berms throughout the District.
2. Received 4.78 inches of rain this reporting period.
3. District crews continue to replace inoperable culverts and install rip-rap bags at various locations throughout the District.
4. Prepared swale for one driveway culvert followed by inspection.
5. Terra Tech continues canal spraying for aquatic weed control.
6. DCR Engineering Services replaced the communication circuit and power supply for the Canal 3 water control structure. The failed circuit was discovered during a routine maintenance check.

**ROAD MAINTENANCE**

1. Roads continue to be re-contoured to provide maximum run-off during rain storm events.

  
\_\_\_\_\_  
Michael A. Dillon  
Manager of Operations

MAD/hr



**DICK GRUENWALD  
ASSOCIATES, LLC**

July 13, 2012

**TO: Board of Supervisors  
SOUTH INDIAN RIVER WATER CONTROL DISTRICT**

**FROM: Dick Gruenwald Associates  
DISTRICT PUBLIC INFORMATION SPECIALISTS**

**SUBJECT: Monthly Report July 2012**

News releases were sent out to local newspapers and community publications:

- ❖ Monthly Meeting (July 19-cancelled) release
- ❖ Monthly Meetings (Aug. 16 & Sept. 13) release

The following items were uploaded to the website:

- ❖ July Staff monthly reports– Manager of Operations, Engineer, Public Information
- ❖ Apr. 5 & May17 meeting minutes
- ❖ Palm Beach Country Estates potable water update
- ❖ Budget information for 2012-2013

The District Notes & News newsletter will be sent to the printer as soon as the referenda date has been finalized and will be mailed out immediately after. It will include information on Family Day, Roadway Improvement projects, Greta's retirement, the Palm Beach Country Estates potable water hookup program continuation with the Town of Jupiter and NPDES. A landowner questionnaire is included in this edition.

The overall re-design and updating of the SIRWCD website continues and will include a new look, better visibility and functionality, new information, NPDES educational aspects and more.

We continue to work with Mr. Rice and the Manager of Operations on a regular basis, as well as supplying supervisors and members of the staff newspaper clippings on SIRWCD related stories, articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally.

## Memorandum

To South Indian River Water Control District  
Board of Supervisors Pages 6


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Subject Engineer's Report for July 2012

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From Lennart J. Lindahl, PE, District Engineer 

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Board Meeting  
Date July 19, 2012 (Cancelled)

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The following is a summary of activities and communications that were of significance during the month of July 2012:

### I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

A. The District received petitions from landowners to apply asphalt on certain roadways within Palm Beach Country Estates. The roads met the requirements to distribute a referendum to all benefited landowners. Pursuant to Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

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- 151<sup>st</sup> Court N. between 69<sup>th</sup> Drive N. and 69<sup>th</sup> Trail N.
- 154<sup>th</sup> Road N. between 69<sup>th</sup> Drive N. and 75<sup>th</sup> Ave. N. (Results received November 23, 2010)

At the August 12, 2010 meeting, the Board of Supervisors directed staff to move ahead with the proposed plan of improvements. Two public hearings have been held. The South Florida Water Management District has approved the plan of improvements, and the surveying and the design of the proposed improvements have been completed.

On March 13, 2011, an invitation to bid was published in the local newspaper with the request that bidders obtain bid packages on March 16, 2011 and return their proposals by April 12, 2011. Staff received contractors' proposals and reviewed the completeness of each proposal. On May 5, 2011, the Board of Supervisors awarded the contract to Lynch Paving and Construction Company Inc. Staff negotiated the agreement with the contractor and a notice to proceed was issued on July 14, 2011. Construction began on July 25, 2011 and is continuing to progress. In accordance with the Board of Supervisors direction, staff has negotiated a change order for additional services related to Palm Beach Country Estates Park (Twisty Pines Park). Staff is working on the final documents and will be requesting the final pay request.

B. The District has received petitions from landowners to apply both OGEM and Asphalt on certain roadways within the District. The following roadways are petitioning to distribute a referendum for OGEM (approximately 2.3 miles):

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- 127<sup>th</sup> Drive N. between 187<sup>th</sup> Place N. and Old Indiantown Grade
- 126<sup>th</sup> Terrace N. between 165<sup>th</sup> Road N. and 169<sup>th</sup> Court N.
- 90<sup>th</sup> Trail N. between 165<sup>th</sup> Place N. and 166<sup>th</sup> Way N.
- 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N.

In addition to these roads, the following roadways are petitioning to distribute a referendum for asphalt in Palm Beach Country Estates (approximately 2.6 miles):

- 73<sup>rd</sup> Terrace N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 79<sup>th</sup> Terrace N. between 155<sup>th</sup> Place N. and 162<sup>nd</sup> Court N.
- 75<sup>th</sup> Way N between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 67<sup>th</sup> Trail N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 77<sup>th</sup> Trail N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 82<sup>nd</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Place N.

At the January 19, 2012 meeting, the Board authorized the engineer to move forward with identifying the benefitted area and preparing the engineer's estimate of probable cost for the project and at the March 15, 2012 meeting, the Board authorized staff to begin the preparation of the referendum for the roads referenced above except 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N. At the April 5, 2012 meeting, the direction of the Board of Supervisors was given to staff to include 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N. as well as 82<sup>nd</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Place N in the upcoming referendum.

## II. OPERATION AND MAINTENANCE

A. A National Pollutant Discharge Elimination System (NPDES) Steering Committee meeting was held on June 20, 2012. Eric Livingston, the Florida Department of Environmental Protection's (FDEP) Municipal NPDES Program Administrator, gave an annual presentation on the current NPDES program and permitting and answered questions prepared by the Palm Beach County co-permittees. The next Steering

Committee Meeting is scheduled for September 19, 2012 and the agenda includes public education.

- B. On January 24, 2008, staff met with Palm Beach County to discuss their plans for the Hatcher/Indiantown Joint Venture Property. Palm Beach County is in the planning and permitting stages of a proposed project to improve the natural areas of the property while expanding the water features. Since the January 2008 meeting, staff has participated in many meetings with Palm Beach County to evaluate the project. On February 10, 2011, a Board of Supervisors workshop was held to update the Board and public on the project.

In accordance with Board direction, staff submitted a letter of conceptual approval to Palm Beach County subject to satisfying the items that were discussed at the Board of Supervisors meeting. South Florida Water Management District (SFWMD) issued a permit for the project on July 5, 2011. Staff recently met with Palm Beach County on November 3, 2011 to discuss the status of the project and operation of the facilities. On February 9, 2012, staff received a draft operation plan for the Hatcher Property. Staff has reviewed the operation plan, but on May 10, 2012, Palm Beach County met with staff concerning a new proposal. At the May 17, 2012 Board Meeting, Palm Beach County presented their new proposal to the Board and staff. Staff continues to coordinate with Palm Beach County on this project.

- C. In accordance with the direction provided at the December, 2010 Board of Supervisors meeting, staff prepared a Minor and Insubstantial Plan Amendment to the 13<sup>th</sup> Plan of Improvements for the Board's consideration to allow for maintenance of the park in Palm Beach Country Estates. The Amendment was approved at the February, 2011 Board of Supervisors meeting. Staff is currently reviewing information that was provided by the Twisty Pines Playground Foundation and is coordinating the timing of the operation and maintenance activities for the park. In addition, staff has negotiated a change order with Lynch Paving and Construction Company, Inc. (the contractor for the 16<sup>th</sup> Plan of Improvements) to assist with the initial maintenance activities for the park. Staff has recently filed for a building permit with Palm Beach County for the construction of the facilities and has received approval. A kick off meeting on the construction of the facilities was held February 9, 2012 to coordinate the various elements of the project. Construction activities are near completion.
- D. On May 1, 2012, staff met with Palm Beach County Parks and Recreation for Riverbend Park to discuss the extension of Canal 3 directly east into the park. Currently, Canal 3 goes east from Jupiter Farms Road and turns south along the District line into Riverbend Park. When it enters Riverbend Park, the canal continues through two 42-inch culverts in series before discharging into the ultimate discharge location. By extending the canal directly east instead of turning south, headloss can be reduced, which will provide better flood protection.

Survey information has been obtained at the project site and staff has prepared engineering drawings for the purpose of obtaining cost estimates.

Staff met with South Florida Water Management District for a pre-application meeting on July 10, 2012 to discuss any concerns that they may have with the project. Staff continues to cooperate with Palm Beach County on this project.



- E. SFWMD continues to operate the G-160 structure to maintain flood protection and is committed to coordinating with, and monitoring water levels at the perimeter of some of the communities adjacent to and east of the Loxahatchee Slough to determine if there are impacts to the communities resulting from the increased water levels. The monitoring wells installed in April, 2010 in SIRWCD's perimeter levee for Palm Beach Country Estates are measuring surface and groundwater water levels in conjunction with the operation of the G-160 structure. There has not been a G-160 meeting since our last report.
- F. The North Palm Beach County - Part 1 Comprehensive Everglades Restoration Plan (CERP) Project has been renamed the Loxahatchee River Watershed Restoration Plan. The overall purposes of this project are to increase water supplies to the Grassy Waters Preserve and Loxahatchee Slough, improve flow to enhance hydro-periods in the Loxahatchee Slough, increase base flows to the Northwest Fork of the Loxahatchee River, and reduce high discharges to the Lake Worth Lagoon. Concerns with the project that were developed by the Project Delivery Team include:
- 1) the cost benefit analysis for the L-8 reservoir
  - 2) connate seepage water management costs
  - 3) the project's purpose
  - 4) habitat units

In order to resolve concerns, the Army Corp of Engineers and SFWMD developed an additional modeling scope. The last schedule included Agency Technical Review in August, 2011, a revised Alternative Formulation Briefing to Corps management in February, 2012, and completion of an Alternative Formulation Briefing report in April, 2012. However, that schedule is now anticipated to be pushed back at least 6 months as the SFWMD's modeling was temporarily put on hold. Staff will continue to monitor future developments.

On June 4, 2012, Melissa Meeker, the SFWMD Executive Director, gave a presentation to the SFWMD Governing Board entitled "Everglades Restoration Strategies". This is a program that has been developed in order to address water quality-based effluent limits for Stormwater Treatment Areas to meet NPDES permitting requirements by EPA. As part of the program's Technical Plan, both STA expansions and Flow Equalization Basins (FEB) upstream of STAs are proposed. The plan includes designation of the L-8 Reservoir as a 45,000 ac-ft FEB for STAs 1W and 1E. As a "replacement feature", the plan proposes to acquire and construct replacement storage to capture flows from the western C-18 Basin in the Mecca vicinity and discharge those flows down via "Flow-way 2" (C-18 West Canal through C-18 and Loxahatchee Slough) to the Northwest Fork of the Loxahatchee River to meet Minimum Flows and Levels.

The presentation by Melissa Meeker was the first time the public was informed of this Technical Plan or restoration strategy. AECOM will continue to follow future developments and how they may impact the District.

- G. The date for promulgation of numeric nutrient criteria (total nitrogen and total phosphorus) for lakes and flowing waters (fresh waters) was October 15, 2011;

however, the date for South Florida waters, including canals, has been extended to coincide with the revised date for promulgation of numeric nutrient criteria for estuaries and coastal waters. The first notice of rulemaking for estuaries and coastal waters was expected to be November 14, 2011 with final promulgation expected on August 15, 2012.

Staff attended a meeting conducted by the Florida Department of Environmental Protection (FDEP) on their determination of numeric nutrient criteria for the estuaries and coastal systems on August 26, 2010 and on November 17, 2010. On November 14, 2010, Environmental Protection Agency (EPA) approved the numeric nutrient criteria for fresh water and lakes. On September 29, 2011, FDEP published a draft Florida Administrative Code (F.A.C.) Chapter 62-302 regarding nutrient standards. Staff is reviewing these standards as they affect the District. The draft F.A.C. appeared before the Florida Environmental Regulation Commission (ERC). On December 8, 2011, the Florida Environmental Regulation Commission passed the Florida's numeric nutrient criteria, which include the following:

- an amendment to provide that narrative criteria will continue to apply to ditches, canals and urban storm water conveyances
- an amendment intended to limit the ability of EPA to pick and choose which provisions of the Florida rules to accept or reject.

An administrative challenge to the proposed rules has been filed by Earthjustice prior to their adoption on December 8, 2011. On June 7, 2012, an administrative law judge upheld the state's proposed new water quality rules. The rules were required ratification by the Florida Legislature, but Governor Rick Scott signed HB 7051 waiving legislative ratification of the proposed rules. After FDEP notifies the EPA of the judge's decision, EPA will have 60 days to approve the state rules and then would have to withdraw the federal rule for the state rules to take effect.

A notice was filed in the Federal Register stating that the EPA is finalizing an extension of the July 6, 2012, effective date of the EPA NNC for six months to January 6, 2012. This will allow the EPA to review the Florida ERC approved numeric nutrient criteria. Staff has attended various workshops concerning the development of the numeric nutrient criteria and will continue to monitor the development of these criteria.

On May 15, 2012, staff attended a public workshop on Triennial Review of State Surface Water Quality Standards. This review is required by the Federal Clean Water Act to publically review, and update as necessary, Florida's water quality standards. Pursuant to federal regulations, this review is expected to happen every three years. The topics that were reviewed were Human Health-Based Criteria and Dissolved Oxygen Criteria.

- H. On June 29, 2012, the EPA published a public notice of availability on the proposed Total Maximum Daily Loads (TMDLs) for waters and pollutants in the State of Florida. This notice included the proposed TMDL on the Southwest Fork of the Loxahatchee River and the C-18 Canal. The TMDL is for nutrients and dissolved oxygen and affects Palm Beach Country Estates, Jupiter Park of Commerce, and Egret Landing. Written comments are requested within 60 days of the notice. Staff is currently reviewing the proposed TMDL.

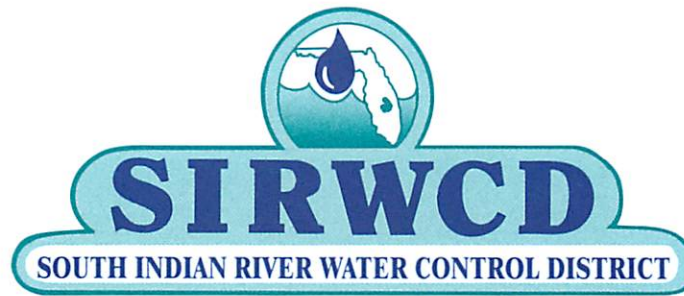




In addition, on July 6, 2012, FDEP announced a draft statewide TMDL for mercury and has published the document for review. Written comments will be accepted through August 27<sup>th</sup>, 2012 for the review of this document. Staff is currently reviewing this TMDL.

- I. Our office continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- J. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- K. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.



*Over 85 Years of Service*

**BOARD OF SUPERVISORS MEETING**

August 16, 2012 at 7:30 p.m.  
Jupiter Community High School – Guidance Suite

**A G E N D A**

1. Invocation and Pledge of Allegiance
2. Public Hearing on the Budget
3. Consent Agenda
  - Approval of Minutes (June 21 meeting)
  - Approval of Warrant List
4. Public Information report
5. Treasurer's report
  - Consideration of budget
  - Consideration of Intention to Elect the Uniform Method of Collection of Non Ad Valorem assessments for the fiscal year 2012-2013.
6. Manager of Operation's report
7. Engineer's report
8. Attorney's report
9. New business.
10. Landowners' items
11. Adjourn



*Over 85 Years of Service*

**MEMORANDUM**

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for the period July 14, 2012 through August 10, 2012  
DATE: August 10, 2012

**ADMINISTRATIVE:**

1. Attended Loxahatchee River Preservation Initiative meeting.
2. Fence installation at the Palm Beach Country Estates Community Park is complete!!
3. Meetings with homeowners to discuss road and swale maintenance issues.
4. Met with aquatic weed spraying contractor, Terra Tech, to review canal maintenance and schedule.
5. Received \$2,300.00 from Verizon for monthly lease.
6. On-site meeting with District Engineer and Hubbard Construction to review OGEM roads from the 16<sup>th</sup> Plan of Improvements for maintenance.
7. Received \$7,500.00 from Palm Beach County for quarterly maintenance.
8. Attended North County Land Managers Meeting at Jonathan Dickinson State Park.
9. Phone conversations with District Engineer regarding National Pollutant Discharge Elimination System reports and inspections.
10. On-site meeting with South Florida Water Management Right-of-Way Inspector to review damage caused by unauthorized motor vehicles along the C-18 Berm near 159th in Palm Beach Country Estates.

MEMORANDUM

To: Board of Supervisors

Date: July 13, 2012

Page 2

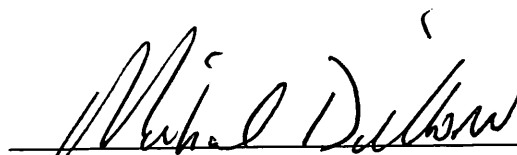
11. Attended Staff meeting.

**WATER CONTROL:**

1. Mowers and backhoes continue routine maintenance services on roadside swales and berms throughout the District.
2. Received 7.71 inches of rain this reporting period.
3. District crews continue to replace inoperable culverts and install rip-rap bags at various locations throughout the District.
4. Prepared swale for six driveway culverts followed by inspection.
5. Terra Tech continues canal spraying for aquatic weed control.
6. Canal 6 maintenance continues with sediment removal and bank restoration.

**ROAD MAINTENANCE:**

1. Roads continue to be re-contoured to provide maximum run-off during rain storm events.
2. Hauled 255 sq/yards of material to various roads within the District.
3. D.S. Eakins hauled 512 sq/yards of road stabilizer to District yard.

  
\_\_\_\_\_  
Michael A. Dillon  
Manager of Operations

MAD/hr



**DICK GRUENWALD  
ASSOCIATES, LLC**

Aug. 13, 2012

**TO: Board of Supervisors  
SOUTH INDIAN RIVER WATER CONTROL DISTRICT**

**FROM: Dick Gruenwald Associates  
DISTRICT PUBLIC INFORMATION SPECIALISTS**

**SUBJECT: Monthly Report August 2012**

News releases were sent out to local newspapers and community publications:

- ❖ Monthly Meeting and Budget workshop and hearing (Aug. 16) release
- ❖ Landowners Roadway Improvement ballot release
- ❖ Palm Beach Country Estates potable water release

The following items were uploaded to the website:

- ❖ August Staff monthly reports– Manager of Operations, Engineer, Public Information
- ❖ Palm Beach Country Estates potable water update and documentation
- ❖ Road Improvement ballot update

The District Notes & News newsletter is being mailed out to all landowners. It includes information on Family Day, Roadway Improvement projects, Greta Rayman's retirement, the Palm Beach Country Estates potable water hookup program continuation with the Town of Jupiter and NPDES. A landowner questionnaire was also included in this edition.

The overall re-design and updating of the SIRWCD website continues and will include a new look, better visibility and functionality, new information, NPDES educational aspects and more.

We continue to work with Mr. Rice and the Manager of Operations on a regular basis, as well as supplying supervisors and members of the staff newspaper clippings on SIRWCD related stories, articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally.



To: Board of Supervisors  
FROM: Charles F. Haas, Treasurer  
RE: Treasurer's Report for the month of July, 2012  
CC: Staff  
Date: August 10, 2012

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### **Routine Business**

1. The District has received a total of \$5,223,370 in assessment receipts through July 31, 2012 which exceeds the expected receipts for 2011/2012. This is ahead of collections for the same period in prior year.
2. On August 1, 2012 we received an updated property listing from the Property Appraisers office as of July 31, 2012. The mailing list was compiled from that roll and will be furnished to The Bureau for the annual election mail out. We are hopeful that using a more current roll will significantly reduce the out-of-date address issue.
3. We received approximately \$375,000 from the Town of Jupiter as called for in the extension agreement. These funds will be used to call a portion of the PBCE water distribution bonds.
4. A public hearing on the 2012/13 budget has been scheduled to take place during the Board meeting.
5. Following the Board's direction we will be sending our report to the District's Public Information Officer for uploading to the web-site.

### **Board Consideration**

1. The Board will be asked to approve the list of disbursements. (sent under separate cover).
2. After the public hearing on the budget, the Board will be asked to consider the fiscal 2012/13 budget and establish the assessment rates for the next fiscal year.

## South Indian River Water Control District

### Statement of Revenue and Expenditures

#### All Governmental Funds

From 10/1/2011 Through 7/31/2012

(In Whole Numbers)

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Assessments - Net	4,981,100	5,022,727	41,627
Rents & Contracted Service Income	-	9,178	9,178
Investment Income	11,794	11,457	(337)
Other Income	17,000	477,527	460,527
Total Revenue:	5,009,894	5,520,889	510,995
<b>Expenditures:</b>			
Contracted Services	563,303	492,860	31,276
Operating Expense	1,525,082	861,639	523,436
Capital Outlay	27,250	211,246	(211,246)
Principal Repayments	1,278,548	901,972	376,576
Interest Paid	1,245,552	601,867	619,561
Other Debt Service	27,206	36,542	(10,434)
Total Expenditures:	4,666,941	3,106,126	1,329,169
<b>Transfers, Financing &amp; Capital Outlays</b>			
Other Financing Sources-Uses	-	270,000	270,000
Transfers	308,000	308,000	-
Total Transfers, Financing & Capital Outlays	308,000	578,000	270,000
Excess (Deficit) Revenues over (under) Expenditures	650,953	2,992,763	
Beginning Fund Balance		3,668,460	
Ending Fund Balance		2,992,763	

South Indian River Water Control District  
Statement of Revenues and Expenditures  
From 10/1/2011 Through 7/31/2012

**South Indian River Water Control District**

Statement of Revenue and Expenditures

100-Special Revenue Funds

From 10/1/2011 Through 7/31/2012

(In Whole Numbers)

	<u>YTD Budget</u>	<u>Year to Date Actual</u>	<u>Budget Variance</u>
<b>Revenue:</b>			
Assessments - Net	2,075,750	2,105,241	29,491
Rents & Contracted Service Income	-	9,178	9,178
Investment Income	5,750	5,289	(461)
Other Income	<u>12,000</u>	<u>19,200</u>	<u>7,200</u>
Total Revenue:	<u>2,093,500</u>	<u>2,138,908</u>	<u>45,408</u>
<b>Expenditures:</b>			
Contracted Services	520,556	469,512	51,043
Operating Expense	<u>1,425,082</u>	<u>846,248</u>	<u>578,834</u>
Total Expenditures:	<u>1,945,638</u>	<u>1,315,760</u>	<u>629,878</u>
Excess (Deficit) Revenues over (under) Expenditures	<u>147,863</u>	<u>823,148</u>	<u>675,286</u>
Beginning Fund Balance	-	<u>1,562,874</u>	
Ending Fund Balance		<u><u>2,386,022</u></u>	



## South Indian River Water Control District

### Statement of Revenue and Expenditures

#### 200-Debt Service Funds

From 10/1/2011 Through 7/31/2012

(In Whole Numbers)

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Assessments - Net	2,713,200	2,705,959	(7,241)
Investment Income	2,544	5,062	2,518
Other Income	-	458,327	458,327
Total Revenue:	2,715,744	3,169,348	453,604
<b>Expenditures:</b>			
Contracted Services	21,420	23,348	(1,928)
Operating Expense	100,000	15,391	84,609
Principal Repayments	1,185,398	901,972	283,426
Interest Paid	1,169,240	601,867	567,373
Other Debt Service	26,790	36,542	(9,752)
Total Expenditures:	2,502,848	1,579,120	923,728
<b>Transfers, Financing &amp; Capital Outlays</b>			
Capital Outlay	10,000	-	10,000
Other Financing Sources-Uses	-	270,000	(270,000)
Total Transfers, Financing & Capital Outlays	10,000	270,000	(260,000)
Excess (Deficit) Revenues over (under)	202,896	1,320,228	1,117,332
Beginning Fund Balance		2,124,476	
Ending Fund Balance		3,444,704	

## South Indian River Water Control District

### Statement of Revenue and Expenditures

#### 300-Capital Project Funds

From 10/1/2011 Through 7/31/2012

(In Whole Numbers)

	<u>YTD Budget</u>	<u>Year to Date Actual</u>	<u>Budget Variance</u>
Revenue:			
Investment Income	<u>3,500</u>	<u>289</u>	<u>(3,211)</u>
Total Revenue:	<u>3,500</u>	<u>289</u>	<u>(3,211)</u>
Expenditures:			
Capital Outlay	<u>27,250</u>	<u>211,246</u>	<u>(211,246)</u>
Transfers	<u>308,000</u>	<u>308,000</u>	<u>-</u>
Total Transfers, Financing & Capital Outlays	<u>(280,750)</u>	<u>(96,754)</u>	<u>(211,246)</u>
Excess (Deficit) Revenues over (under) Expenditures	<u>284,250</u>	<u>97,043</u>	<u>208,035</u>
Beginning Fund Balance	-	(18,890)	
Ending Fund Balance		<u><u>78,153</u></u>	

## South Indian River Water Control District

### Statement of Revenue and Expenditures

#### 500-Internal Service Fund

From 10/1/2011 Through 7/31/2012

(In Whole Numbers)

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Charges for Services	1,370,918	828,723	(542,195)
Rents & Contracted Service Income	20,000	53,130	33,130
Investment Income	-	(204)	(204)
Other Income	22,500	2,813	(19,687)
Total Revenue:	1,413,418	884,463	(528,955)
<b>Expenditures:</b>			
Personal Services	634,834	564,832	70,002
Contracted Services	163,998	117,545	46,454
Operating Expense	277,086	216,599	60,487
Office & Landowner Expense	23,334	13,879	9,455
Insurance	33,334	1,771	31,563
Total Expenditures:	1,132,586	914,626	217,960
<b>Transfers, Financing &amp; Capital Outlays</b>			
Capital Outlay	298,000	49,976	248,024
Total Transfers, Financing & Capital Outlays	298,000	49,976	248,024
Excess (Deficit) Revenues over (under)	(17,168)	(80,138)	(62,970)
Beginning Fund Balance	-	550,151	550,151
Ending Fund Balance	(17,168)	470,013	487,181

Memorandum

To South Indian River Water Control District Board of Supervisors Pages 6


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CC

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Subject Engineer's Report for August 2012

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From Lennart J. Lindahl, PE, District Engineer 

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Board Meeting Date August 16, 2012

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The following is a summary of activities and communications that were of significance during the month of August 2012:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

A. The District received petitions from landowners to apply asphalt on certain roadways within Palm Beach Country Estates. The roads met the requirements to distribute a referendum to all benefited landowners. Pursuant to Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

- 72<sup>nd</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 165<sup>th</sup> Street N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
- 72<sup>nd</sup> Drive N. between 155<sup>th</sup> Drive N. and 159<sup>th</sup> Court N.
- 167<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 78<sup>th</sup> Drive N.
- 84<sup>th</sup> Avenue N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 140<sup>th</sup> Lane N. between 64<sup>th</sup> Drive N. and 69<sup>th</sup> Drive N.
- 75<sup>th</sup> Way N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 67<sup>th</sup> Avenue N. between 141<sup>st</sup> Lane N. and Donald Ross Road
- 71<sup>st</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 151<sup>st</sup> Court N. between 69<sup>th</sup> Drive N. and 69<sup>th</sup> Trail N.
- 154<sup>th</sup> Road N. between 69<sup>th</sup> Drive N. and 75<sup>th</sup> Ave. N. (Results received November 23, 2010)

At the August 12, 2010 meeting, the Board of Supervisors directed staff to move ahead with the proposed plan of improvements. Two public hearings have been held. The South Florida Water Management District has approved the plan of improvements, and the surveying and the design of the proposed improvements have been completed.

On March 13, 2011, an invitation to bid was published in the local newspaper with the request that bidders obtain bid packages on March 16, 2011 and return their proposals by April 12, 2011. Staff received contractors' proposals and reviewed the completeness of each proposal. On May 5, 2011, the Board of Supervisors awarded the contract to Lynch Paving and Construction Company Inc. Staff negotiated the agreement with the contractor and a notice to proceed was issued on July 14, 2011. Construction began on July 25, 2011 and is continuing to progress. In accordance with the Board of Supervisors direction, staff has negotiated a change order for additional services related to Palm Beach Country Estates Park (Twisty Pines Park). Construction has been completed as of July 26, 2012. Staff is working on the final documents and will be requesting the final pay request.

B. The District has received petitions from landowners to apply both OGEM and Asphalt on certain roadways within the District. The following roadways are petitioning to distribute a referendum for OGEM (approximately 2.3 miles):

- 151<sup>st</sup> Lane N. between 133<sup>rd</sup> Terrace N. and Canal 12
- 127<sup>th</sup> Drive N. between 187<sup>th</sup> Place N. and Old Indiantown Grade
- 126<sup>th</sup> Terrace N. between 165<sup>th</sup> Road N. and 169<sup>th</sup> Court N.
- 90<sup>th</sup> Trail N. between 165<sup>th</sup> Place N. and 166<sup>th</sup> Way N.
- 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N.

In addition to these roads, the following roadways are petitioning to distribute a referendum for asphalt in Palm Beach Country Estates (approximately 2.6 miles):

- 73<sup>rd</sup> Terrace N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 79<sup>th</sup> Terrace N. between 155<sup>th</sup> Place N. and 162<sup>nd</sup> Court N.
- 75<sup>th</sup> Way N between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 67<sup>th</sup> Trail N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 77<sup>th</sup> Trail N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 82<sup>nd</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Place N.

At the January 19, 2012 meeting, the Board authorized the engineer to move forward with identifying the benefitted area and preparing the engineer's estimate of probable cost for the project and at the March 15, 2012 meeting, the Board authorized staff to begin the preparation of the referendum for the roads referenced above except 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N. At the April 5, 2012 meeting, the direction of the Board of Supervisors was given to staff to include 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N. as well as 82<sup>nd</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Place N in the referendum.

On August 3, 2012, the referendums were mailed to the benefitted landowners for the above referenced roadway segments. The ballots are to be returned to the District office by September 5, 2012.

**II. OPERATION AND MAINTENANCE**

- A. There has not been a National Pollutant Discharge Elimination System (NPDES) Steering Committee meeting since our last report. Staff has drafted Standard Operating Procedures (SOP's) for NPDES Program elements including Litter Control, Pesticide and Herbicides, Maintenance/Equipment Yard Practices, Pipes/Culverts and Inlets/Manholes, Conveyance (Canal) System, and Control Structures/Major Outfalls. The SOP's are part of our current third-term permit requirements. The next Steering Committee Meeting is scheduled for September 19, 2012 and the agenda includes public education.
- B. On January 24, 2008, staff met with Palm Beach County to discuss their plans for the Hatcher/Indiantown Joint Venture Property. Palm Beach County is in the planning and permitting stages of a proposed project to improve the natural areas of the property while expanding the water features. Since the January 2008 meeting, staff has participated in many meetings with Palm Beach County to evaluate the project. On February 10, 2011, a Board of Supervisors workshop was held to update the Board and public on the project.

In accordance with Board direction, staff submitted a letter of conceptual approval to Palm Beach County subject to satisfying the items that were discussed at the Board of Supervisors meeting. South Florida Water Management District (SFWMD) issued a permit for the project on July 5, 2011. Staff recently met with Palm Beach County on November 3, 2011 to discuss the status of the project and operation of the facilities. On February 9, 2012, staff received a draft operation plan for the Hatcher Property. Staff has reviewed the operation plan, but on May 10, 2012, Palm Beach County met with staff concerning a new proposal. At the May 17, 2012 Board Meeting, Palm Beach County presented their new proposal to the Board and staff. Staff continues to coordinate with Palm Beach County on this project.

- C. In accordance with the direction provided at the December, 2010 Board of Supervisors meeting, staff prepared a Minor and Insubstantial Plan Amendment to the 13<sup>th</sup> Plan of Improvements for the Board's consideration to allow for maintenance of the park in Palm Beach Country Estates. The Amendment was approved at the February, 2011 Board of Supervisors meeting. Staff is currently reviewing information that was provided by the Twisty Pines Playground Foundation and is coordinating the timing of the operation and maintenance activities for the park. In addition, staff has negotiated a change order with Lynch Paving and Construction Company, Inc. (the contractor for the 16<sup>th</sup> Plan of Improvements) to assist with the initial maintenance activities for the park. Staff has recently filed for a building permit with Palm Beach County for the construction of the facilities and has received approval. A kick off meeting on the construction of the facilities was held February 9, 2012 to coordinate the various elements of the project. Construction activities were completed on July 26, 2012, and staff is working on the final documents and will be requesting the final pay request.
- D. On May 1, 2012, staff met with Palm Beach County Parks and Recreation for Riverbend Park to discuss the extension of Canal 3 directly east into the park. Currently, Canal 3 goes east from Jupiter Farms Road and turns south along the District line into Riverbend Park. When it enters Riverbend Park, the canal continues through two 42-inch culverts in series before discharging into the ultimate discharge

location. By extending the canal directly east instead of turning south, headloss can be reduced, which will provide better flood protection.

Survey information has been obtained at the project site and staff has prepared engineering drawings for the purpose of obtaining cost estimates. Staff has obtained an estimate and is prepared to discuss this with the Board at this month's meeting.

Staff met with South Florida Water Management District for a pre-application meeting on July 10, 2012 to discuss any concerns that they may have with the project. Staff continues to cooperate with Palm Beach County on this project.

- E. SFWMD continues to operate the G-160 structure to maintain flood protection and is committed to coordinating with, and monitoring water levels at the perimeter of some of the communities adjacent to and east of the Loxahatchee Slough to determine if there are impacts to the communities resulting from the increased water levels. The monitoring wells installed in April 2010 in SIRWCD's perimeter levee for Palm Beach Country Estates are measuring surface and groundwater water levels in conjunction with the operation of the G-160 structure. There has not been a G-160 meeting since our last report.
- F. The North Palm Beach County - Part 1 Comprehensive Everglades Restoration Plan (CEERP) Project has been renamed the Loxahatchee River Watershed Restoration Plan. The overall purposes of this project are to increase water supplies to the Grassy Waters Preserve and Loxahatchee Slough, improve flow to enhance hydro-periods in the Loxahatchee Slough, increase base flows to the Northwest Fork of the Loxahatchee River, and reduce high discharges to the Lake Worth Lagoon. Concerns with the project that were developed by the Project Delivery Team include:
  - 1) the cost benefit analysis for the L-8 reservoir
  - 2) connate seepage water management costs
  - 3) the project's purpose
  - 4) habitat units

In order to resolve concerns, the Army Corp of Engineers and SFWMD developed an additional modeling scope. The last schedule included Agency Technical Review in August, 2011, a revised Alternative Formulation Briefing to Corps management in February, 2012, and completion of an Alternative Formulation Briefing report in April, 2012. However, that schedule has now been pushed back indefinitely due to SFWMD's new program described below.

SFWMD's "Everglades Restoration Strategies" is a program that has been developed in order to address water quality-based effluent limits for Stormwater Treatment Areas to meet NPDES permitting requirements by EPA. As part of the program's Technical Plan, both STA expansions and Flow Equalization Basins (FEB) upstream of STAs are proposed. The plan includes designation of the L-8 Reservoir as a 45,000 ac-ft FEB for STAs 1W and 1E. As a "replacement feature", the plan proposes to acquire and construct replacement storage to capture flows from the western C-18 Basin in the Mecca vicinity and discharge those flows via "Flow-way 2" (C-18 West Canal through C-18 and Loxahatchee Slough) to the Northwest Fork of the Loxahatchee River to meet Minimum Flows and Levels.

Staff will continue to follow future developments and how they may impact the District.

- G. The date for promulgation of numeric nutrient criteria (total nitrogen and total phosphorus) for lakes and flowing waters (fresh waters) was October 15, 2011; however, the date for South Florida waters, including canals, has been extended to coincide with the revised date for promulgation of numeric nutrient criteria for estuaries and coastal waters. The first notice of rulemaking for estuaries and coastal waters was expected to be November 14, 2011 with final promulgation expected on August 15, 2012.

Staff attended a meeting conducted by the Florida Department of Environmental Protection (FDEP) on their determination of numeric nutrient criteria for the estuaries and coastal systems on August 26, 2010 and on November 17, 2010. On November 14, 2010, Environmental Protection Agency (EPA) approved the numeric nutrient criteria for fresh water and lakes. On September 29, 2011, FDEP published a draft Florida Administrative Code (F.A.C.) Chapter 62-302 regarding nutrient standards. Staff is reviewing these standards as they affect the District. The draft F.A.C. appeared before the Florida Environmental Regulation Commission (ERC). On December 8, 2011, the Florida Environmental Regulation Commission passed the Florida's numeric nutrient criteria, which include the following:

- an amendment to provide that narrative criteria will continue to apply to ditches, canals and urban storm water conveyances
- an amendment intended to limit the ability of EPA to pick and choose which provisions of the Florida rules to accept or reject.

An administrative challenge to the proposed rules has been filed by Earthjustice prior to their adoption on December 8, 2011. On June 7, 2012, an administrative law judge upheld the state's proposed new water quality rules. The rules were required ratification by the Florida Legislature, but Governor Rick Scott signed HB 7051 waiving legislative ratification of the proposed rules. After FDEP notifies the EPA of the judges decision, EPA will have 60 days to approve the state rules and then would have to withdraw the Federal rule for the state rules to take effect.

A notice was filed in the Federal Register stating that the EPA is finalizing an extension of the July 6, 2012, effective date of the EPA NNC for six months to January 6, 2012. This will allow the EPA to review the Florida ERC approved numeric nutrient criteria. Staff has attended various workshops concerning the development of the numeric nutrient criteria and will continue to monitor the development of these criteria.

On May 15, 2012, staff attended a public workshop on Triennial Review of State Surface Water Quality Standards. This review is required by the Federal Clean Water Act to publically review, and update as necessary, Florida's water quality standards. Pursuant to federal regulations, this review is expected to happen every three years. The topics that were reviewed were Human Health-Based Criteria and Dissolved Oxygen Criteria.





- H. On June 29, 2012, the EPA published a public notice of availability on the proposed Total Maximum Daily Loads (TMDLs) for waters and pollutants in the State of Florida. This notice included the proposed TMDL on the Southwest Fork of the Loxahatchee River and the C-18 Canal. The TMDL is for nutrients and dissolved oxygen and affects Palm Beach Country Estates, Jupiter Park of Commerce, and Egret Landing. Written comments are requested within 60 days of the notice. Staff is currently reviewing the proposed TMDL.

In addition, on July 6, 2012, FDEP announced a draft statewide TMDL for mercury and has published the document for review. Written comments will be accepted through August 27<sup>th</sup>, 2012 for the review of this document. Staff is currently reviewing this TMDL.

- I. The existing water quality monitoring contract with HBEL, Inc has an option of renewing the contract every year for the next three years. Staff is requesting renewal of this contract.
- J. Our office continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- K. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- L. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.



*Over 85 Years of Service*

**BOARD OF SUPERVISORS AND ANNUAL LANDOWNERS MEETING**

September 20, 2012 - 7:30 p.m.

JUPITER HIGH SCHOOL CAFETERIA

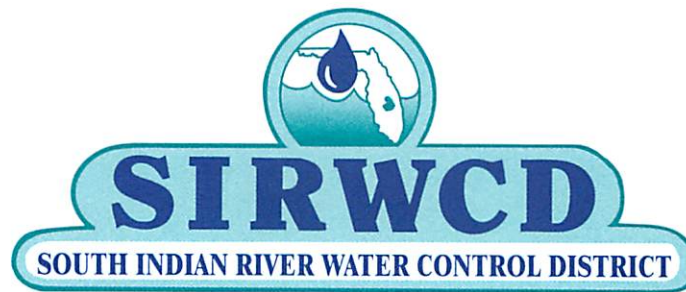
**A G E N D A**

**BOARD OF SUPERVISORS MONTHLY MEETING**

1. Call to order
2. Invocation and Pledge of Allegiance
3. Treasurer's Report
  - a) Authorization of monthly expenditures
4. Adjourn

**ANNUAL LANDOWNERS MEETING**

1. Call to order
2. Election of officers for the meeting
  - a) Chairman
  - b) Secretary
3. Reading and approval of minutes of 2011 annual meeting.
4. Election of supervisors
  - a) Nominations
  - b) Motion to close nominations
  - c) Voting for candidates and collection of ballots by Supervisor of Elections
5. Annual Reports
  - a) Engineer's Report
  - b) Manager of Operations Report
6. Compensation of Supervisors
7. General discussion
8. Adjourn



*Over 85 Years of Service*

**MEMORANDUM**

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for the period August 11, 2012 through September 13, 2012  
DATE: September 13, 2012

**ADMINISTRATIVE:**

1. Attended SFWMD flood mitigation workshop with Office Administrator, Holly Rigsby.
2. Attended numerous conference calls with SFWMD and Palm Beach County Emergency Operations Center regarding Tropical Storm Isaac.
3. Meeting with District Engineer to review drainage in the East Borrow canal.
4. Meeting with aquatic weed spraying contractor, Terra-Tech, to review canal maintenance and schedule.
5. Received \$2,300.00 from Verizon for monthly lease.
6. Received a total of 9.83 inches from Tropical Storm Isaac at the District work center with higher amounts in the western sections of the District.
7. Post storm review of the District with Engineer.
8. DCR Engineering repaired the water sensor unit on the canal 5 structure.
9. Phone conversations with District Engineer regarding National Pollutant Discharge Elimination System reports and inspections.
10. Hired Dustin Brown as a part-time level 2 operator.
11. Attended Staff meeting.

MEMORANDUM

To: Board of Supervisors

Date: September 13, 2012

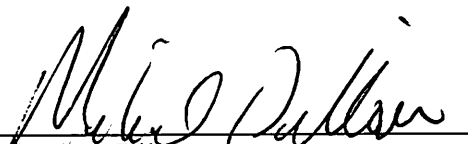
Page 2

**WATER CONTROL:**

1. Mowers and backhoes continue routine maintenance services on roadside swales and berms throughout the District.
2. Received 12.9 inches of rain this reporting period.
3. District crews continue to replace inoperable culverts and install rip-rap bags at various locations throughout the District.
4. Prepared swales for four driveway culverts followed by inspections.
5. Terra Tech continues canal spraying for aquatic weed control.
6. Canal 6 maintenance continues with sediment removal and bank restoration.

**ROAD MAINTENANCE:**

1. Roads continue to be re-contoured to provide maximum run-off during rain storm events.
2. D.S Eakins hauled 1,314 yards of road stabilizer to District yard.
3. Lake Pointe Restoration hauled 490 tons of shell rock to District yard.

  
\_\_\_\_\_  
Michael A. Dillon  
Manager of Operations

MAD/cw



**DICK GRUENWALD  
ASSOCIATES, LLC**

Sept. 13, 2012

**TO: Board of Supervisors  
SOUTH INDIAN RIVER WATER CONTROL DISTRICT**

**FROM: Dick Gruenwald Associates  
DISTRICT PUBLIC INFORMATION SPECIALISTS**

**SUBJECT: Monthly Report September 2012**

News releases were sent out to local newspapers and community publications:

- ❖ Annual Landowners Meeting (Sept. 20) release

The following items were uploaded to the website:

- ❖ September Staff monthly reports– Manager of Operations, Engineer, Public Information
- ❖ Meeting minutes (6/21)
- ❖ Road project update
- ❖ Annual Landowners Meeting notice

Attended Staff Luncheon (9/13).

We discussed survey questionnaire results and election and roadway ballot information with the District Office.

The overall re-design and updating of the SIRWCD website continues and will include a new look, better visibility and functionality, new information, NPDES educational aspects and more.

We continue to work with Mr. Rice and the Manager of Operations on a regular basis, as well as supplying supervisors and members of the staff newspaper clippings on SIRWCD related stories, articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally.



**PRINCIPAL OFFICIALS**

**Thomas H. Powell**  
President

**Thomas Rice, Sr.**  
Vice President

**David J. Beane**  
Member

**Michael I. Danchuk**  
Member

**Michael Ryan**  
Member

**Michael A. Dillon**  
Manager of Operations

\*\*\*\*\*

**District Engineer**  
Lennart J. Lindahl  
AECOM

**District Counsel**  
Terry E. Lewis  
William G. Capko  
Lewis, Longman & Walker, P.A.

**District Treasurer**  
Charles F. Haas  
Charles F. Haas CPA PA  
Certified Public Accountant

The information presented has been derived from the General Purpose Financial Statements and information provided by the District. It is not intended to be a financial report under generally accepted accounting principles.

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**SOUTH INDIAN  
RIVER  
WATER CONTROL  
DISTRICT**

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***ANNUAL  
TREASURER'S  
REPORT***

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**For the Year Ended  
September 30, 2011**



### ◆ ALL GOVERNMENTAL FUND TYPES

In accordance with Chapter 298.17, Florida Statutes, the following illustrations represent funds received and expended during the year, and fund balance on hand at the beginning and end of the fiscal year ended September 30, 2011. The information presented has been derived from the General Purpose Financial Statements. It is not intended to be a financial report under generally accepted accounting principles.

#### SOUTH INDIAN RIVER WATER CONTROL DISTRICT

2010/2011

Governmental Funds

Combined Statement of Revenues, Expenditures and Changes in Fund Balance

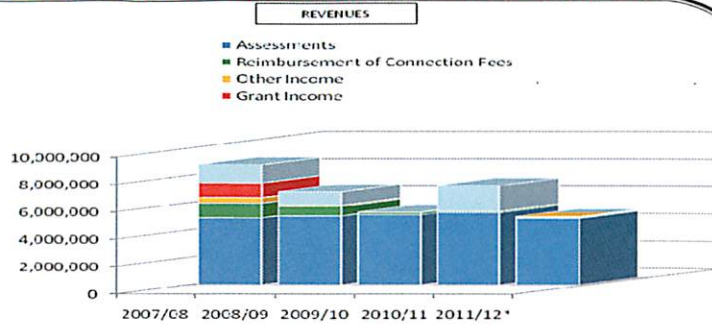
Revenues:		
Assessments	\$	5,272,959
Reimbursement of connections fees		83,836
Investment income		18,274
<b>Total revenues</b>		<b>5,375,069</b>
Expenditures:		
Current:		
Water control		1,080,217
Road maintenance		1,103,371
Park maintenance		18,656
Capital outlay		1,528,563
Debt service:		
Principal retirement		1,424,444
Interest		1,300,703
Other debt service		231,972
<b>Total expenditures</b>		<b>6,687,926</b>
Excess (deficiency) of revenues over (under) expenditures		(1,312,857)
Other financing sources (uses):		
Debt proceeds		1,875,000
Transfers (net)		198,000
<b>Total other financing sources</b>		<b>2,073,000</b>
Excess (deficiency) of revenues and other financing sources over (under) expenditures and other financing uses		760,143
Fund balances, beginning of year		4,764,661
<b>Fund balances, September 30, 2011</b>	<b>\$</b>	<b>5,524,804</b>

◆ The aggregated fund balances as of September 30, 2011, for the above funds totaled \$5,524,804; of that amount, \$1,544,218 is assigned fund balance.

◆ For the current fiscal year ending September 30, 2012, we anticipate total revenues to be approximately \$4,982,535 Expenditures are expected to be approximately \$5,595,640.

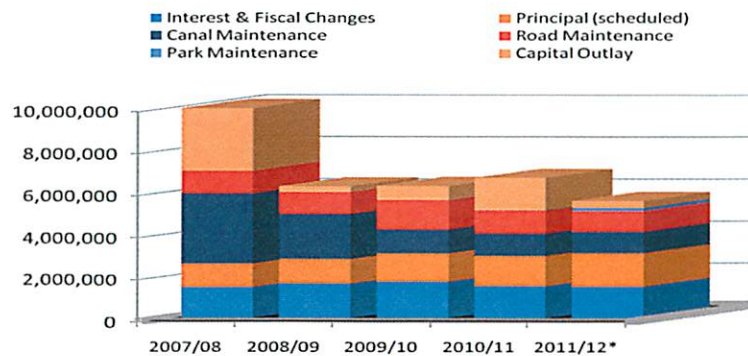
ALL GOVERNMENTAL FUND TYPES (EXCLUDING CAPITAL PROJECTS FUNDS) CONTINUED

### ◆ REVENUES AND EXPENDITURES – FIVE (5) YEAR TREND



Revenues for the Year Ended,	2007/08	2008/09	2009/10	2010/11	2011/12*
Assessments	4,884,677	5,026,959	5,114,827	5,272,959	4,866,655
Reimbursement of Connection Fees	1,062,202	687,117	145,203	83,836	52,430
Grant Income	1,076,809	-	-	-	-
Other Income	418,452	83,730	48,248	18,274	63,450
Capital Debt Proceeds	1,342,000	978,000	-	1,875,000	-

#### EXPENDITURES



EXPENDITURES FOR YR ENDED	2007/08	2008/09	2009/10	2010/11	2011/12*
Canal Maintenance	3,350,099	2,151,171	1,143,614	1,080,217	1,030,925
Road Maintenance	1,076,140	1,041,197	1,407,979	1,103,371	982,575
Park Maintenance	-	-	-	18,656	155,730
Capital Outlay	3,695,976	273,074	669,529	1,528,563	331,309
Principal (scheduled)	1,106,257	1,165,160	1,339,796	1,424,444	1,584,458
Interest & Fiscal Changes	1,476,865	1,640,655	1,738,764	1,532,675	1,510,553

### ◆ CAPITAL PROJECTS FUNDS

Capital projects funds are used to account for improvements to the District's infrastructure.

<b>Fund balances, October 1, 2010</b>	<b>\$ 1,300,491</b>
<b>Revenues &amp; other financing sources:</b>	
Investment income	1,182
<b>Total revenue &amp; other financing sources</b>	<b>1,182</b>
<b>Total funds available for construction</b>	<b>1,301,673</b>
Capital outlay	1,528,563
<b>Total expenditures</b>	<b>1,528,563</b>
Excess of revenue over expenditures	(226,890)
Other financing sources	
Transfer in (out)	2,083,000
<b>Fund balances, September 30, 2011</b>	<b>\$ 1,856,110</b>


◆ On October 1, 2010, the beginning fund balance reported in the capital projects funds totaled \$1,300,491.

◆ Capital outlay for the capital projects funds at September 30, 2011 totaled \$1,528,563.

◆ The ending fund balance for the Capital Projects fund at September 30, 2011 was \$1,856,110.



## Memorandum

To	South Indian River Water Control District Board of Supervisors	Pages 6
CC		
Subject	Engineer's Report for September 2012	
From	Lennart J. Lindahl, PE, District Engineer 	
Board Meeting Date	September 20, 2012	

The following is a summary of activities and communications that were of significance during the month of September 2012:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

A. The District received petitions from landowners to apply asphalt on certain roadways within Palm Beach Country Estates. The roads met the requirements to distribute a referendum to all benefited landowners. Pursuant to Board direction, staff prepared a referendum for the landowner proposed projects that was mailed June 9, 2010 with the request that the landowner submit their response to the Palm Beach County Supervisor of Elections by July 14, 2010. The majority of the landowners who voted on the following roadways were "in favor" of the proposed projects.

- 72<sup>nd</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 165<sup>th</sup> Street N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
- 72<sup>nd</sup> Drive N. between 155<sup>th</sup> Drive N. and 159<sup>th</sup> Court N.
- 167<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 78<sup>th</sup> Drive N.
- 84<sup>th</sup> Avenue N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 140<sup>th</sup> Lane N. between 64<sup>th</sup> Drive N. and 69<sup>th</sup> Drive N.
- 75<sup>th</sup> Way N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 67<sup>th</sup> Avenue N. between 141<sup>st</sup> Lane N. and Donald Ross Road
- 71<sup>st</sup> Drive N. between 150<sup>th</sup> Place N. and 154<sup>th</sup> Road N.
- 151<sup>st</sup> Court N. between 69<sup>th</sup> Drive N. and 69<sup>th</sup> Trail N.
- 154<sup>th</sup> Road N. between 69<sup>th</sup> Drive N. and 75<sup>th</sup> Ave. N. (Results received November 23, 2010)

At the August 12, 2010 meeting, the Board of Supervisors directed staff to move ahead with the proposed plan of improvements. Two public hearings have been held. The South Florida Water Management District has approved the plan of improvements, and the surveying and the design of the proposed improvements have been completed.



On March 13, 2011, an invitation to bid was published in the local newspaper with the request that bidders obtain bid packages on March 16, 2011 and return their proposals by April 12, 2011. Staff received contractors' proposals and reviewed the completeness of each proposal. On May 5, 2011, the Board of Supervisors awarded the contract to Lynch Paving and Construction Company Inc. Staff negotiated the agreement with the contractor and a notice to proceed was issued on July 14, 2011. Construction began on July 25, 2011 and is continuing to progress. In accordance with the Board of Supervisors direction, staff has negotiated a change order for additional services related to Palm Beach Country Estates Park (Twisty Pines Park). Construction has been completed as of July 26, 2012. Staff has worked on the final documents and has processed the final pay request.

B. The District has received petitions from landowners to apply both OGEM and Asphalt on certain roadways within the District. The following roadways are petitioning to distribute a referendum for OGEM (approximately 2.3 miles):

- 151<sup>st</sup> Lane N. between 133<sup>rd</sup> Terrace N. and Canal 12
- 127<sup>th</sup> Drive N. between 187<sup>th</sup> Place N. and Old Indiantown Grade
- 126<sup>th</sup> Terrace N. between 165<sup>th</sup> Road N. and 169<sup>th</sup> Court N.
- 90<sup>th</sup> Trail N. between 165<sup>th</sup> Place N. and 166<sup>th</sup> Way N.
- 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N.

In addition to these roads, the following roadways are petitioning to distribute a referendum for asphalt in Palm Beach Country Estates (approximately 2.6 miles):

- 73<sup>rd</sup> Terrace N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 79<sup>th</sup> Terrace N. between 155<sup>th</sup> Place N. and 162<sup>nd</sup> Court N.
- 75<sup>th</sup> Way N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 67<sup>th</sup> Trail N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
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At the January 19, 2012 meeting, the Board authorized the engineer to move forward with identifying the benefitted area and preparing the engineer's estimate of probable cost for the project and at the March 15, 2012 meeting, the Board authorized staff to begin the preparation of the referendum for the roads referenced above except 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N. At the April 5, 2012 meeting, the direction of the Board of Supervisors was given to staff to include 175<sup>th</sup> Road N. and Winterhawk Trail between Indiantown Road and 112<sup>th</sup> Drive N. as well as 82<sup>nd</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Place N. in the referendum.

On August 3, 2012, the referendums were mailed to the benefitted landowners for the above referenced roadway segments. The ballots were returned to the District office by September 5, 2012. On September 11, 2012, staff received the certification from the Supervisor of Elections on the results of the referendum.

## II. OPERATION AND MAINTENANCE

- A. There has not been a National Pollutant Discharge Elimination System (NPDES) Steering Committee meeting since our last report. The next Steering Committee Meeting is scheduled for September 19, 2012 and the agenda includes public education.
- B. On January 24, 2008, staff met with Palm Beach County to discuss their plans for the Hatcher/Indiantown Joint Venture Property. Palm Beach County is in the planning and permitting stages of a proposed project to improve the natural areas of the property while expanding the water features. Since the January 2008 meeting, staff has participated in many meetings with Palm Beach County to evaluate the project. On February 10, 2011, a Board of Supervisors workshop was held to update the Board and public on the project.

In accordance with Board direction, staff submitted a letter of conceptual approval to Palm Beach County subject to satisfying the items that were discussed at the Board of Supervisors meeting. South Florida Water Management District (SFWMD) issued a permit for the project on July 5, 2011. Staff recently met with Palm Beach County on November 3, 2011 to discuss the status of the project and operation of the facilities. On February 9, 2012, staff received a draft operation plan for the Hatcher Property. Staff has reviewed the operation plan, but on May 10, 2012, Palm Beach County met with staff concerning a new proposal. At the May 17, 2012 Board Meeting, Palm Beach County presented their new proposal to the Board and staff. Staff continues to coordinate with Palm Beach County on this project.

- C. In accordance with the direction provided at the December, 2010 Board of Supervisors meeting, staff prepared a Minor and Insubstantial Plan Amendment to the 13<sup>th</sup> Plan of Improvements for the Board's consideration to allow for maintenance of the park in Palm Beach Country Estates. The Amendment was approved at the February, 2011 Board of Supervisors meeting. Staff is currently reviewing information that was provided by the Twisty Pines Playground Foundation and is coordinating the timing of the operation and maintenance activities for the park. In addition, staff has negotiated a change order with Lynch Paving and Construction Company, Inc. (the contractor for the 16<sup>th</sup> Plan of Improvements) to assist with the initial maintenance activities for the park. Staff has recently filed for a building permit with Palm Beach County for the construction of the facilities and has received approval. A kick off meeting on the construction of the facilities was held February 9, 2012 to coordinate the various elements of the project. Construction activities were completed on July 26, 2012, and staff has worked on the final documents and has processed the final pay request.
- D. On May 1, 2012, staff met with Palm Beach County Parks and Recreation for Riverbend Park to discuss the extension of Canal 3 directly east into the park. Currently, Canal 3 goes east from Jupiter Farms Road and turns south along the District line into Riverbend Park. When it enters Riverbend Park, the canal continues through two 42-inch culverts in series before discharging into the ultimate discharge location. By extending the canal directly east instead of turning south, headloss can be reduced, which will provide better flood protection.

Survey information has been obtained at the project site and staff has prepared engineering drawings for the purpose of obtaining cost estimates. Staff has obtained an estimate and is prepared to discuss this with the Board at this month's meeting.

Staff met with South Florida Water Management District for a pre-application meeting on July 10, 2012 to discuss any concerns that they may have with the project. Staff continues to cooperate with Palm Beach County on this project.

- E. SFWMD continues to operate the G-160 structure to maintain flood protection and is committed to coordinating with, and monitoring water levels at the perimeter of some of the communities adjacent to and east of the Loxahatchee Slough to determine if there are impacts to the communities resulting from the increased water levels. The monitoring wells installed in April 2010 in SIRWCD's perimeter levee for Palm Beach Country Estates are measuring surface and groundwater water levels in conjunction with the operation of the G-160 structure. Well data will be collected through the end of September and an interim report is under preparation. SFWMD has requested stakeholder input with respect to the scope of work for analysis of the data for a final report, as well as QA/QC of the data for inclusion into the DBHydro data base. A stakeholder meeting has been scheduled for October 16, 2012.
- F. The North Palm Beach County - Part 1 Comprehensive Everglades Restoration Plan (CERP) Project has been renamed the Loxahatchee River Watershed Restoration Plan. The overall purposes of this project are to increase water supplies to the Grassy Waters Preserve and Loxahatchee Slough, improve flow to enhance hydro-periods in the Loxahatchee Slough, increase base flows to the Northwest Fork of the Loxahatchee River, and reduce high discharges to the Lake Worth Lagoon. Concerns with the project that were developed by the Project Delivery Team include:
  - 1) the cost benefit analysis for the L-8 reservoir
  - 2) connate seepage water management costs
  - 3) the project's purpose
  - 4) habitat units

In order to resolve concerns, the Army Corp of Engineers and SFWMD developed an additional modeling scope. The last schedule included Agency Technical Review in August, 2011, a revised Alternative Formulation Briefing to Corps management in February, 2012, and completion of an Alternative Formulation Briefing report in April, 2012. However, that schedule has now been pushed back indefinitely due to SFWMD's new program described below.

SFWMD's "Everglades Restoration Strategies" is a program that has been developed in order to address water quality-based effluent limits for Stormwater Treatment Areas to meet NPDES permitting requirements by EPA. As part of the program's Technical Plan, both STA expansions and Flow Equalization Basins (FEB) upstream of STAs are proposed. The plan includes designation of the L-8 Reservoir as a 45,000 ac-ft FEB for STAs 1W and 1E. As a "replacement feature", the plan proposes to acquire and construct replacement storage to capture flows from the western C-18 Basin in the Mecca vicinity and discharge those flows via "Flow-way 2" (C-18 West Canal through C-18 and Loxahatchee Slough) to the Northwest Fork of the Loxahatchee River to meet Minimum Flows and Levels.

Staff will continue to follow future developments and how they may impact the District.

- G. The date for promulgation of numeric nutrient criteria (total nitrogen and total phosphorus) for lakes and flowing waters (fresh waters) was October 15, 2011; however, the date for South Florida waters, including canals, has been extended to coincide with the revised date for promulgation of numeric nutrient criteria for estuaries and coastal waters. The first notice of rulemaking for estuaries and coastal waters was expected to be November 14, 2011 with final promulgation expected on August 15, 2012.

Staff attended a meeting conducted by the Florida Department of Environmental Protection (FDEP) on their determination of numeric nutrient criteria for the estuaries and coastal systems on August 26, 2010 and on November 17, 2010. On November 14, 2010, Environmental Protection Agency (EPA) approved the numeric nutrient criteria for fresh water and lakes. On September 29, 2011, FDEP published a draft Florida Administrative Code (F.A.C.) Chapter 62-302 regarding nutrient standards. Staff is reviewing these standards as they affect the District. The draft F.A.C. appeared before the Florida Environmental Regulation Commission (ERC). On December 8, 2011, the Florida Environmental Regulation Commission passed the Florida's numeric nutrient criteria, which include the following:

- an amendment to provide that narrative criteria will continue to apply to ditches, canals and urban storm water conveyances
- an amendment intended to limit the ability of EPA to pick and choose which provisions of the Florida rules to accept or reject.

An administrative challenge to the proposed rules has been filed by Earthjustice prior to their adoption on December 8, 2011. On June 7, 2012, an administrative law judge upheld the state's proposed new water quality rules. The rules were required ratification by the Florida Legislature, but Governor Rick Scott signed HB 7051 waiving legislative ratification of the proposed rules. After FDEP notifies the EPA of the judges decision, EPA will have 60 days to approve the state rules and then would have to withdraw the Federal rule for the state rules to take effect.

A notice was filed in the Federal Register stating that the EPA is finalizing an extension of the July 6, 2012, effective date of the EPA NNC for six months to January 6, 2012. This will allow the EPA to review the Florida ERC approved numeric nutrient criteria. Staff has attended various workshops concerning the development of the numeric nutrient criteria and will continue to monitor the development of these criteria.

On May 15, 2012, staff attended a public workshop on Triennial Review of State Surface Water Quality Standards. This review is required by the Federal Clean Water Act to publically review, and update as necessary, Florida's water quality standards. Pursuant to federal regulations, this review is expected to happen every three years. The topics that were reviewed were Human Health-Based Criteria and Dissolved Oxygen Criteria.

- H. On June 29, 2012, the EPA published a public notice of availability on the proposed Total Maximum Daily Loads (TMDLs) for waters and pollutants in the State of Florida. This notice included the proposed TMDL on the Southwest Fork of the Loxahatchee River and the C-18 Canal. The TMDL is for nutrients and dissolved oxygen and effects Palm Beach Country Estates, Jupiter Park of Commerce, and Egret Landing. Written comments are requested within 60 days of the notice. Staff is currently reviewing the proposed TMDL.

In addition, on July 6, 2012, FDEP announced a draft statewide TMDL for mercury and has published the document for review. Written comments will be accepted through August 27<sup>th</sup>, 2012 for the review of this document. Staff is currently reviewing this TMDL.

- I. The existing water quality monitoring contract with HBEL, Inc has an option of renewing the contract every year for the next three years. Staff is requesting renewal of this contract.
- J. Our office continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- K. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- L. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.