

**APPROVED  
MEETING SUMMARY  
Industrial Advisory Committee  
Southwest Florida Water Management District  
October 20, 2009**

The Industrial Advisory Committee (IAC) of the Southwest Florida Water Management District convened for its regular meeting at 9:12 a.m., October 20, 2009, at the District's Tampa Service Office, 7601 Highway 301 North, Tampa, Florida.

**Committee Members Present**

Fred Crabill, VC, SE Solutions, Inc.  
Jeff Stewart, Mosaic Fertilizer LLC  
Doug Yowell, Progress Energy  
Marc Hurst, Standard Sand & Silica  
Terry Eastley, Tampa Electric Company  
Denver Phares, U.S. Agri-Chemicals Corp.

**Committee Members Absent**

Stefan Kataras, CF Industries  
Denise Corrales, CEMEX  
Robert Yarbrough, Seminole Electric Coop.

**Governing Board Member Present**

Jennifer Closshey

**Guest Speakers**

Jeff Spence, Polk County Parks & Natural Resources  
Mike Coates, PR/MRWSA Water Resources Division

**Staff Members Present**

Lou Kavouras  
Eric DeHaven  
Clark Hull  
Will Miller  
Miki Renner  
Lois Sorensen

**Recording Secretary**

Joanne McClellan

Approved summaries from previous meetings can be found on the District's Web site ([www.WaterMatters.org](http://www.WaterMatters.org))

*The numbers preceding the items below correspond with the published agenda.*

**1. Call to Order and Introductions**

Vice Chair Fred Crabill called the meeting to order at 9:12 a.m. He welcomed members, staff, and interested persons and requested member introductions.

**2. Additions and Deletions to the Agenda**

Lou Kavouras, Deputy Executive Director, stated there were no additions or deletions to the Agenda.

**3. Approval of the July 14, 2009 Meeting Summary**

Following consideration, a motion was made and passed unanimously to approve the July 14, 2009 meeting summary as presented.

**4. Rulemaking Update**

Lou Kavouras provided the following rulemaking update: 1) The Upper Peace River Lake Hancock Reservation is a component of the Lake Hancock project, where the level of the lake will be raised then flows released during the dry times to help meet minimum flows in the Peace River. In order for the District to claim those flows, rulemaking was initiated and is moving forward to set those quantities aside for minimum flows. 2) A number of public meetings have been scheduled to discuss amendments to Phase II of Northern Tampa Bay Minimum Flows and Levels (MFLs) Recovery Strategy. The Partnership Plan is a recovery strategy to help bring ground water levels back up and that rule is set to expire in 2010. In that rule a quantity of 90 mgd was set as a maximum withdrawal from the Tampa Bay Water Consolidated Wellfield. With the expiration of that rule in 2010, the District has an opportunity to amend these rules and set the 90 mgd for another period of time to provide staff with adequate time to test whether 90 mgd is the appropriate number to use. This rulemaking is going forward with a series of public meetings and should be brought back to the Governing Board for their consideration at their December meeting. 3) The Enhanced Water Conservation Requirements were approved by the Governing Board in September and will be effective in December 2009. 4) Minimum Flows and Levels for

the Lower Peace River will be presented to the Governing Board at the October 2009 meeting. Final action to be requested later this calendar year. 5) The Year-round Water Conservation Measures were presented to the Governing Board in September and rulemaking is moving forward. This is a consistency effort to address those times when we're not in a water shortage condition. We are looking for consistency between St. Johns River and South Florida Water Management Districts, at least in areas where there are shared boundaries. 6) The Xeriscape Incentive Program is being repealed due to the passage of Senate Bill 2080 that renames Xeriscape to Florida-friendly and negates the need for the Xeriscape rule.

In response to a question about whether the Alafia River MFL has been approved, Lou Kavouras explained that the MFLs to the middle, freshwater segment of the river was done in 2006; the rulemaking for the estuary part of the river is in a final wrap-up stage and should be concluding shortly; and the north and south prongs of the river are scheduled for completion in 2012.

#### **5. Hydrologic Conditions/Drought Update and Water Shortage Restrictions**

Lois Sorensen, Demand Management Coordinator, explained that in September the Governing Board approved the initiation of rulemaking to update the District's Water Shortage Plan. A focus group is being formed and Fred Crabill was asked to be the Industrial Advisory Committee representative. This particular rulemaking effort is on an aggressive timeframe. The focus group is to meet twice--the first meeting scheduled is November 5 and the second meeting will be sometime in early to mid December. There is a public workshop to be planned, then staff is to have rule language available for Governing Board consideration by March 2010.

Regarding hydrologic conditions, rainfall remains at a deficit; ground water has not yet recovered; and surface water levels are declining. Rivers are an indicator that is closely watched, especially those that are sources for public supply. Although most rivers did get back into the normal range, they are now declining. The water storage in reservoirs has improved over the summer months.

Lois described the decision making process for water shortage orders—staff monitors and analyzes drought indicators and other factors, a recommendation is made to the Governing Board for their consideration and the Board then makes the final decision as to the declaration of a water shortage. Lois then described the Modified Phase II and Modified Phase III orders. The Modified Phase III orders affective in the southern counties are due to expire at the end of October, unless the Governing Board takes action at its October meeting. For industry, with the exception of lawn watering on your property, the actual industrial operation is subject to Phase II restrictions, which under a permit is essentially to stay in full compliance with your permit. Operations without a permit are required to follow a more prescriptive list of best management practices.

#### **6. Net Improvement Policy for Stormwater**

Clark Hull, ERP Program Director, stated that storm water discharges to receiving waters not meeting water quality standards are required to cause net improvement of the receiving water body for those parameters that do not meeting standards. If water quality standards are not met and the system will contribute to the existing condition, mitigation for water quality impacts can consist of water quality enhancement. Projects considered to contribute to an existing violation are generally those which are located in the same sub-basin and drain to the impaired water. This can be rebutted by specific information that the project does not discharge the problem pollutant to the affected water body. Mitigation measures must be implemented that will cause net improvement of the water quality in the receiving water for those parameters which are not meeting standards. Criteria for achieving net improvement were discussed. It was stated that a treatment train can be used to achieve net improvement.

#### **7. Lake Hancock Outfall Treatment**

Eric DeHaven, Resource Data & Restoration Director, provided an overview of the Lake Hancock Outfall Treatment project and discussed the historical significance of this large water quality improvement project. Lake Hancock is the headwaters of the Peace River and it drains down to the Charlotte Harbor watershed. Lake Hancock is a significant contributor to the poor water quality in the Peace River and to Charlotte Harbor. In a District report, *Lake Hancock Nutrient Budget and Water Quality Improvement Plan*, it was determined that to treat water quality in the lake was limited and that it would be better to treat water coming out of the lake. There was discussion to remove sediments from the lake; however, the lake will still exist in a eutrophic or hypereutrophic condition. It was determined that the best, cost-effective way to treat the water coming out of the lake was to construct a standard wetland treatment system. Mr. De Haven explained the operation of this project is using a proven technology. The wetlands will be planted with plants and other natural vegetation on former clay settling areas located south of Lake Hancock that have a project goal to achieve 27% Annual Nitrogen Load Reduction with a predicted Water Quality Index shift in the Upper Peace River from poor to fair. Other benefits of the project are improved natural systems, water storage, and recreation. The project is moving forward through the permitting process with construction to begin in 2010.

**8. Dredging Project at Lake Hancock**

Jeff Spence, Polk County Parks and Natural Resources Director, discussed a proposal for the dredging of Lake Hancock. Mr. Spence stated that this is the largest lake in the Peace River Basin at 4,500 acres; it is a shallow lake with poor water quality (hypereutrophic); it has a muck bottom; and, it contains an estimated 26 million cubic yards of muck. Lake Hancock is listed by FDEP as impaired for nutrient and dissolved oxygen and the TMDLs proposed for the lake require a 70% reduction in nutrient load. A sediment study was done to evaluate the impacts on Lake Hancock's water quality and found that internal loads from re-mineralization and re-suspension of bottom sediments are a significant and continuing source of nitrogen and phosphorus. The results suggest that sediment removal activities could reduce in-lake phosphorus values to levels close to potential "thresholds" that allow blue-green algae to dominate. Polk County was approached by a Lakeland engineer who offered a plan to dredge Lake Hancock and process the muck sediments into a soil amendment/fertilizer and the Board of County Commissioners endorsed the concept. The District and Polk County entered into an agreement where the County could utilize 40 acres of SWFWMD property adjacent to Lake Hancock for third-party use and Polk County then entered into a third-party agreement to dredge and process dredge material from the lake. This process will take approximately 10 years and the permitting process has begun. Jennifer Closshey asked if there was anything that could be done to expedite permits for this project. Mr. Spence stated that permitting is going through FDEP and the County would appreciate any help the District can give in this process. Ms. Closshey asked if it would be helpful if the Governing Board discussed this and issued a letter requesting that the permit be expedited? With an affirmative response from Mr. Spence, Ms. Closshey asked that this go to the Governing Board because time is of the essence with this project. Mr. Spence stated that in six months he would like to come back to the IAC to illustrate the operation being tested. Mr. Crabill concurred.

**9. Get Outside! Campaign**

Will Miller, Land Use & Protection Manager, informed the committee about the ongoing campaign that started in September. The purpose is to build support for District land programs by getting the public onto the lands. The campaign is multi-media that includes press kits, presentations, interviews and special public events to improve the knowledge of the District. The goal of the campaign is to promote the value of eco-system preservation/conservation through the recreational experience. The campaign also seeks to increase diversity in the use of the lands. Mr. Miller discussed the new Recreation Guide and each committee member received a guide. He then demonstrated the updated, interactive website for the Recreation Guide. Lou Kavouras stated that this is more than a campaign, but rather this is an initiative important to the water management district. She further explained that there is a perception in the public that the District

buys acres of land and does not allow public access. Part of this initiative is to dispel that perception and increase access where appropriate. There is a special event scheduled at the Starkey wilderness Preserve—Serenova Tract on November 7. Will Miller stated that an absence of signage on co-owned properties has been an issue, but this is being corrected to show cooperative signage indicating land ownership by the District.

**10. Peace River/Manasota Regional Water Supply Authority Facilities Overview**

Mike Coates, PR/MRWSA Water Resources Division Director, provided an overview of the Water Supply Authority, their service area, and the production facility on the Peace River—river intake, Reservoirs 1 and 2, the ASR Wellfields 1 and 2, and the water treatment facility. Storage being a critical element in their operation to meet future demand, the Authority went through a series of expansion projects to create storage capacity. Mr. Coates described the process used for water treatment and the facility operations during the wet season when water is harvested and stored versus the dry season when stored supplies are the main source of water.

**11. Next IAC Meeting**

A Joint Meeting of the Industrial Advisory Committee (IAC) and the Public Supply Advisory Committee (PSAC) is scheduled for January 12, 2009 at 9 a.m. in the District's Tampa Service Office.

**12. Remaining FY2010 Meeting Dates**

The remaining FY2010 IAC meetings are scheduled for April 20, 2010 and July 20, 2010. Meetings will begin at 9 a.m. in the District's Tampa Service Office.

**13. Development of Agenda Topics for the January 12, 2010 IAC/PSAC Joint Meeting**

- Water Shortage Rule Update – Lois Sorensen
- FEMA Map Modernization – Gordon McClung
- Update of TECO Facility in Polk County – Alison Ramoy
- Legislative Overview – David Rathke

**14. Announcements and Other Business**

Fred Crabill stated that this has been another informative, interesting meeting. He thanked staff for the presentations that are brought to every committee meeting. He offered compliments for meetings running smoothly and that this would not be so if staff didn't take the time to prepare for each meeting. He stated it is apparent that staff goes to a lot of effort so that the committee is totally informed between meetings as well.

**15. Adjournment**

There being no further discussion the meeting was adjourned at 11:17 a.m.