

## MEMORANDUM

TO: Governing Board

FROM: Glenn Horvath, Technical Project Manager

THRU: David Still, Executive Director *DS*  
Kirk B. Webster, Deputy Executive Director *KBW*

DATE: October 22, 2009

RE: Memorandum of Agreement (MOA) with the Florida Department of Agriculture and Consumer Services

### RECOMMENDATION

Staff recommends authorization for the Executive Director to renew the existing Memorandum of Agreement for a period of one additional year with the Florida Department of Agriculture and Consumer Services (DACs) for the District to provide DACs up to \$86,400 for conservation technician services.

### BACKGROUND

The Department of Environmental Protection (DEP) and DACs, in cooperation with the Suwannee River Partnership, have been working together for approximately six years to provide funds to the Suwannee County Soil and Water Conservation District and the Lafayette County Soil & Water Conservation District to provide conservation technician services. Each Conservation District has hired a technician to provide assistance to producers in planning and implementing best management practices (BMPs). Approximately three years ago, a conservation technician was hired by the Gilchrist County Soil & Water Conservation District to work in the Santa Fe River Basin and Lower Suwannee River Basin. The contracts associated with each position are for an amount not to exceed \$60,000 per position.

Listed below are some of the duties the technicians are being requested to perform during the next year:

- Assist and instruct the producers with BMP operation and maintenance,
- Assist dairy, poultry and crop producers with BMP implementation,
- Follow-up with farmers when quality assurance issues are identified,
- Help resolve complaints from the public,

- Assist Natural Resources Conservation Services (NRCS), SRWMD, DACS, and others related to producer plans,
- Assist with field days and other Partnership events, and
- Provide Partnership related information to producers and seek producer input on related issues.

Since FY 2007/2008, DEP is no longer providing funding for any of these positions. In FY 2008-2009, NRCS provided funds for these three technicians. In FY 2009-2010, NRCS is only funding one of the positions due to funding constraints.

In FY 2009-2010, DACS has requested the District to fund half of the cost for two of the technicians and a third of the cost for the third position. In addition to the contribution, DACS has requested an overhead of 8%. The table below provides a summary of the costs associated with the technicians.

<b>Position</b>	<b>Counties Covered</b>	<b>DACS Funding</b>	<b>NRCS Funding</b>	<b>SRWMD Funding</b>
Gilchrist County Technician	Levy, Gilchrist, Dixie, Bradford, Alachua, Union and Columbia	\$30,000		\$30,000
Lafayette County Technician	Lafayette and Taylor	\$30,000		\$30,000
Suwannee County Technician	Suwannee	\$20,000	\$20,000	\$20,000
Subtotal		\$80,000	\$20,000	\$80,000
DACS Overhead				\$6,400
Total - District Contract				\$86,400

These funds are associated with the Watershed Management Project.

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## MEMORANDUM

TO: Governing Board

FROM: Carlos Herd, Senior Hydrogeologist *CH*

THRU: David Still, Executive Director *DS*  
Charlie Houser, Deputy Executive Director  
Kirk Webster, Deputy Executive Director *KBW*

DATE: October 21, 2009

RE: Evaluation of Potential Impacts of Tarmac America, LLC – King Road Mine, Levy County, Florida, on the Water Resources of the Suwannee River Water Management District

### BACKGROUND

Suwannee River Water Management District (SRWMD) staff was asked to review available information on the proposed Tarmac America, LLC, King Road Mine located in Levy County, Florida. The proposed mine is located within the boundaries of the Southwest Florida Water Management District (SWFWMD) near the boundary of the SRWMD. The concerns with the proposed mine are potential impacts of any proposed groundwater withdrawals to the water resources within the SRWMD.

The mine will effectively be consuming approximately 0.12 million gallons per day (MGD) (120,000 gallons per day), which is the amount of water entrained in the product leaving the mine. Water from the dewatering process will be returned to the aquifer through infiltration basins and trenches designed to maintain the water table for wetland and aquifer protection. The Groundwater Monitoring Plan submitted and currently under review by the SWFWMD regulation staff, as a part of the water use permit (WUP) application for the proposed mine, will provide stringent monitoring of wetland systems and Floridan aquifer water levels. The WUP application is not yet complete and the third Request for Additional Information (RAI) was sent to the applicant on July 23, 2009.

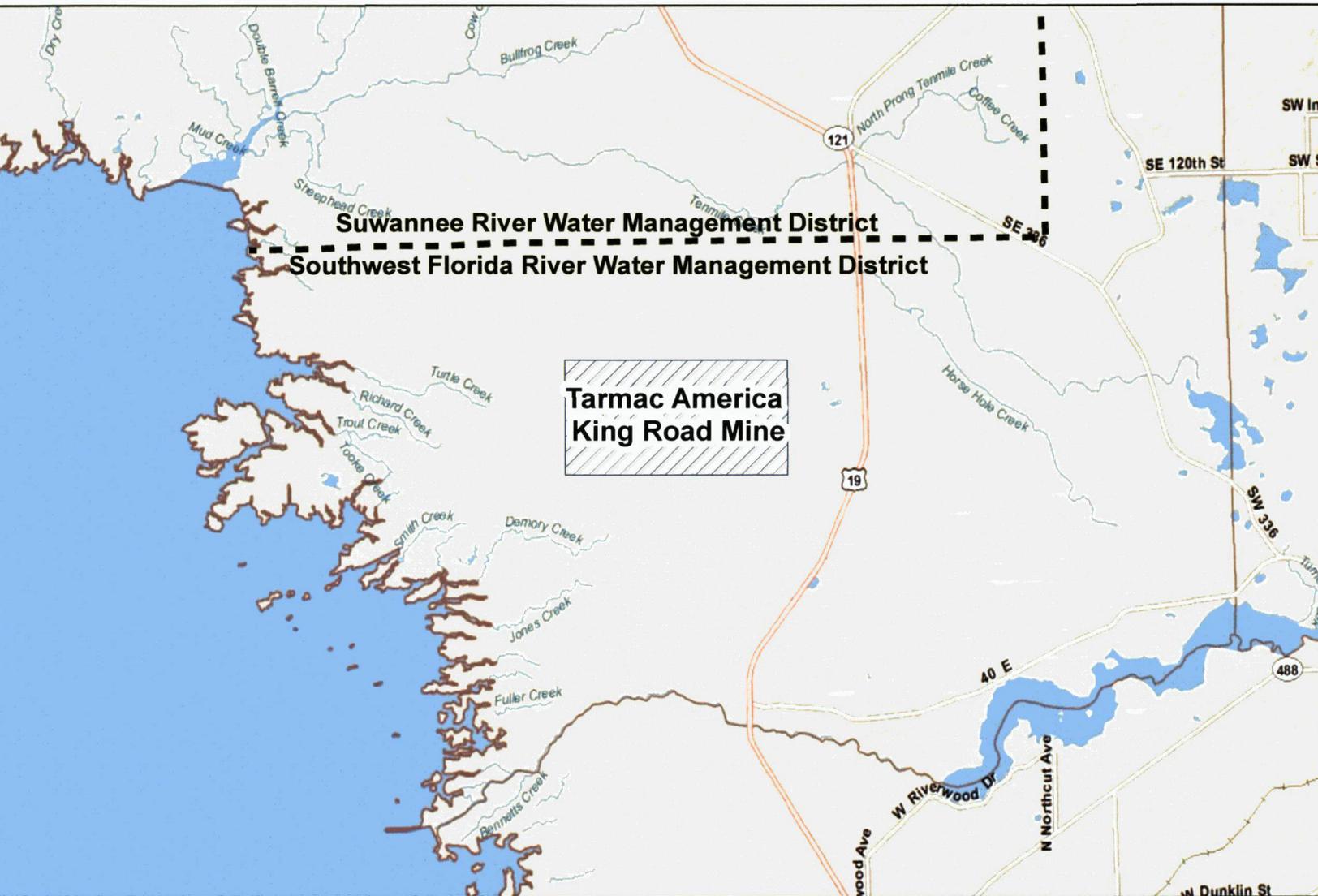
### CONCLUSION

Following conversations with SWFWMD regulatory staff and a review of available information concerning the proposed Tarmac America, LLC King Road Mine, SRWMD staff does not anticipate any adverse impacts to the water resources within the SRWMD.

## SUMMARY OF INFORMATION REVIEWED

- The Florida Department of Environmental Protection (DEP) submitted a Notice of Draft Permit on October 16, 2009, for Tarmac to construct and operate a 13 MGD industrial wastewater treatment facility which includes a 13 MGD average design re-circulating flow limestone mine.
- The draft DEP industrial wastewater permit also states that an estimated 0.12 MGD will be lost with the product leaving the facility.
- Staff contacted the SWFWMD regulation department concerning the King Road Mine and discovered that the Tarmac America LLC King Road Mine has a WUP application in-house.
- There is currently an outstanding RAI from the SWFWMD to Tarmac America LLC concerning the WUP application dated July 23, 2009. The RAI requests that the permittee provide additional information on the following items:
  - Demonstration that there is a complete Environmental Resource Permit (ERP) application.
  - Calculations used to determine the open mine pit acreage and a discussion on the calculations used.
  - Information and calculations included in the ERP application to determine rainfall runoff.
  - Provide a CD containing the groundwater modeling files used to calculate the post-reclamation potentiometric surface.
  - There were three questions concerning water quality, specifically sulfate, calcium and magnesium concentrations, and how these will not affect nearby supply wells.
  - A revised Groundwater Monitoring Plan including a location map, timeline for installation and a monitoring schedule for the staff gauges/piezometers that will be placed in the preserved wetlands location within 500 feet of the active mine cut and tailings disposal area.
  - Additional monitor wells were requested to be installed to monitor the potential degradation of wetlands, streams and the Floridan aquifer.
  - Information that demonstrates that any surface water bodies and/or wetlands will not be significantly impacted, as well as demonstrating that the potentiometric surface of the Floridan aquifer, adjacent Floridan aquifer wells and mitigation/impacted areas will not be significantly impacted by the water use.

/dd



**Tarmac America LLC**  
 King Road Mine  
 Levy County, Florida



Note: This map was created by the Suwannee River Water Management District (SRWMD) to be used for informational purposes only. SRWMD shall not be held liable for any injury or damage caused by the use of this map. SRWMD does not guarantee the accuracy of this application. SRWMD does not guarantee the suitability for any use of these data, and no warranty is expressed or implied. For more information, contact the SRWMD at 386-362-1001. Map Created on 10/21/2009

## MEMORANDUM

TO: Governing Board  
FROM: Kirk B. Webster, Deputy Executive Director *KBW*  
THRU: David Still, Executive Director *DS*  
DATE: October, 22 2009  
RE: Activity Report, Department of Water Resources

### Water Supply Assessment:

- Consultant has provided draft water supply projections and is modeling the impact of the projections through 2030 to determine if there is adequate water.
- Staff is working with the consultant on methods to address conservation.

### Upper Santa Fe River Basin (USFRB) Water Supply Plan:

- Staff is meeting regularly with St. Johns River Water Management District (SJRWMD) via conference calls to coordinate activities in the water supply planning process.
- Listed below are joint meetings that were held with SJRWMD:
  - September 30, 2009 – Modeling Subgroup – Palatka
  - October 1, 2009 – Water Conservation Subgroup – Palatka
  - October 15, 2009 – Water Supply Planning Group – Starke
- The following meetings are taking place in the next month.
  - October 22, 2009 – Modeling Subgroup – Palatka
  - November 10, 2009 – Alternative Water Supply Subgroup - Palatka
  - November 17, 2009 – Modeling Subgroup – Palatka

### Springs:

- Staff continues to meet with individuals and groups to discuss and solicit support for The Ichetucknee Partnership (TIP).

### Spring Protection, Surfacewater, Groundwater and Biological Monitoring:

- Staff continues to monitor water chemistry monthly at 42 surfacewater stations.
- Staff measured levels of 181 wells, 21 lakes, and 46 river stations.
- Rainfall was recorded at 51 sites.

Water Use:

- Staff continues the installation of water use monitoring units on selected agriculture operations.
- Staff continues the assessment of water use permits that use between 100,000 and 500,000 gallons per day in the Upper Santa Fe Basin.

Minimum Flows and Levels (MFLs):

- Staff continues to work on reviewing the Upper and Lower Santa Fe River MFL technical documents.
- Efforts continue in the development of an MFL for Lake Sampson in Bradford County.

Suwannee River Partnership (SRP) Activities:

- Staff continues to work with farmers and other partners in the Suwannee and Santa Fe River basins by providing technical assistance to participating farmers in nutrient and irrigation management.
- Staff participated in a DEP sponsored field trip with Florida Legislative Representatives and aides.

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