

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS**

BOARD APPOINTMENT SUMMARY

Meeting Date: November 18, 2014
Department: Environmental Resources Management
Advisory Board: Groundwater and Natural Resources Protection Board

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: an appointment of one at-large member to the Groundwater and Natural Resources Protection Board (GNRPB) for a term of three (3) years beginning November 18, 2014 through November 17, 2017.

Appoint:

Nominee	Representing	Seat No.	Nominated By
James L. Andersen	Citizen possessing expertise and experience in managing a business	7	Commissioner Valeche

OR

Myles L. Schack	Citizen possessing expertise and experience in managing a business	7	Commissioner Burdick
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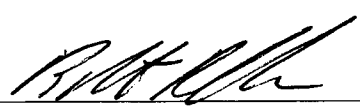
Summary: Ordinance 92-20, as amended and Article 2.G.3.F.3 of the Unified Land Development Code (ULDC) provide for a seven (7) member GNRPB. The membership consists of one (1) professional engineer, one (1) attorney, one (1) hydrologist or hydrogeologist, one (1) citizen possessing expertise and experience in managing a business, one (1) biologist or chemist, one (1) citizen of PBC, and one (1) member of an environmental organization. Ordinance 92-20 and Article 2.G.3.F.3. of the ULDC requires Seat No. 7 be filled by a citizen with expertise and experience in managing a business.


Mr. James L. Andersen has disclosed that he has an ownership position in JLA Geosciences, Inc. that contracts with the County for Utility Hydrogeologic Engineering Consulting Services. The Groundwater and Natural Resources Protection Board provides no regulation, oversight, management, or policy-setting recommendations regarding the subject contract. Disclosure of this contractual relationship at a duly noticed public meeting is being provided in accordance with the provisions of Sec. 2-443, of the Palm Beach County Code of Ethics. Countywide (SF)

Background and Justification: The GNRPB has the powers and duties to hold hearings as necessary to enforce ULDC Article 14, Environmental Standards, and to issue any orders necessary to achieve compliance. James L. Andersen and Myles L. Schack as concerned citizens possessing expertise and experience in managing a business meet the requirement. The new term will expire November 17, 2017. The diversity breakdown of the Board is six (6) Caucasian males and one (1) African-American male.

Attachments:

1. Board Appointment Information Form for James L. Andersen and Myles L. Schack
2. Nominee Resume for James L. Andersen and Myles L. Schack
3. GNRPB Composition, Function, and Current Membership
4. Current GNRPB Attendance Record

Recommended by:  Department Director 10/14/14 Date

Legal Sufficiency:  Assistant County Attorney 10/15/14 Date

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
BOARDS/COMMITTEES APPLICATION**

The information provided on this form will be used in considering your nomination. Please **COMPLETE SECTION II IN FULL**. Answer "none" or "not applicable" where appropriate. Please attach a biography or résumé to this form.

Section I (Department): (Please Print)

Board Name: Groundwater and Natural Resources Protection Board Advisory Not Advisory
 At Large Appointment or District Appointment /District #: _____
Term of Appointment: 3 Years. From: 11/18/2014 To: 11/17/2017
Seat Requirement: Concerned citizen with expertise in managing a business Seat #: 7
 *Reappointment or New Appointment
or to complete the term of _____ Due to: resignation other
Completion of term to expire on: _____

*When a person is being considered for reappointment, the number of previous disclosed voting conflicts during the previous term shall be considered by the Board of County Commissioners: _____

Section II (Applicant): (Please Print)

APPLICANT, UNLESS EXEMPTED, MUST BE A COUNTY RESIDENT

Name: Andersen James L
Last First Middle
Occupation/Affiliation: President
Owner Employee Officer
Business Name: JLA Geosciences, Inc.
Business Address: 1931 Commerce Lane, Suite 3
City & State Jupiter, FL Zip Code: 33458
Residence Address: 5307 Pennock Point Road
City & State Jupiter, FL Zip Code: 33458
Home Phone: (561) 746-0879 Business Phone: (561) 746-0228 Ext. 102
Cell Phone: (561) 758-2475 Fax: (561) 746-0119
Email Address: jandersen@jlageosciences.com

Mailing Address Preference: Business Residence

Have you ever been convicted of a felony: Yes _____ No X

If Yes, state the court, nature of offense, disposition of case and date: _____

Minority Identification Code: Male Female
 Native-American Hispanic-American Asian-American African-American Caucasian

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
BOARDS/COMMITTEES APPLICATION**

The information provided on this form will be used in considering your nomination. Please COMPLETE SECTION II IN FULL. Answer "none" or "not applicable" where appropriate. Please attach a biography or résumé to this form.

Section I (Department): (Please Print)

Board Name: Groundwater and Natural Resources Protection Board Advisory Not Advisory

At Large Appointment or District Appointment /District #: _____

Term of Appointment: 3 Years. From: 11/01/2014 To: 10/31/2017

Seat Requirement: Concerned citizen with expertise in managing a business Seat #: 7

*Reappointment or New Appointment

or to complete the term of _____ Due to: resignation other

Completion of term to expire on: _____

***When a person is being considered for reappointment, the number of previous disclosed voting conflicts during the previous term shall be considered by the Board of County Commissioners: _____**

Section II (Applicant): (Please Print)

APPLICANT. UNLESS EXEMPTED, MUST BE A COUNTY RESIDENT

Name: Schack Myles LESTER
Last First Middle

Occupation/Affiliation: Retired

Owner Employee Officer

Business Name: _____

Business Address: _____

City & State _____ Zip Code: _____

Residence Address: 7205 CRYSTAL LAKE DR

City & State WEST PALM BEACH FL Zip Code: 33411

Home Phone: 561 712-9735 Business Phone: () Ext.

Cell Phone: 561 345-5284 Fax: ()

Email Address: MUS537@COMCAST.NET

Mailing Address Preference: Business Residence

Have you ever been convicted of a felony: Yes _____ No
If Yes, state the court, nature of offense, disposition of case and date: _____

Minority Identification Code: Male Female
 Native-American Hispanic-American Asian-American African-American Caucasian

Section II Continued:

CONTRACTUAL RELATIONSHIPS: Pursuant to Article XIII, Sec. 2-443 of the Palm Beach County Code of Ethics, advisory board members are prohibited from entering into any contract or other transaction for goods or services with Palm Beach County. Exceptions to this prohibition include awards made under sealed competitive bids, certain emergency and sole source purchases, and transactions that do not exceed \$500 per year in aggregate. These exemptions are described in the Code. This prohibition does not apply when the advisory board member's board provides no regulation, oversight, management, or policy-setting recommendations regarding the subject contract or transaction and the contract or transaction is disclosed at a public meeting of the Board of County Commissioners. **To determine compliance with this provision, it is necessary that you, as a board member applicant, identify all contractual relationships between Palm Beach County government and you as an individual, directly or indirectly, or your employer or business.** This information should be provided in the space below. If there are no contracts or transactions to report, please verify that none exist. Staff will review this information and determine if you are eligible to serve or if you may be eligible for an exception or waiver pursuant to the code.

<u>Contract/Transaction No.</u>	<u>Department/Division</u>	<u>Description of Services</u>	<u>Term</u>
<u>Example: (R#XX-XX/PO XX)</u>	<u>Parks & Recreation</u>	<u>General Maintenance</u>	<u>10/01/00-09/30/2100</u>

(Attach Additional Sheet(s), if necessary)
OR

NONE



NOT APPLICABLE/
(Governmental Entity)



ETHICS TRAINING: All board members are required to read and complete training on Article XIII, the Palm Beach County Code of Ethics, and read the State Guide to the Sunshine Amendment, Article XIII, and the training requirement can be found on the web at: <http://www.palmbeachcountyethics.com/training.htm>. Ethics training is on-going, and pursuant to PPM CW-P-80 is required before appointment, and upon reappointment.

By signing below I acknowledge that I have read, understand, and agree to abide by Article XIII, the Palm Beach County Code of Ethics, and I have received the required Ethics training (in the manner checked below):

By watching the training program on the Web, DVD or VHS on MAY 20 14
 By attending a live presentation given on _____, 20____

AND

By signing below I acknowledge that I have read, understand and agree to abide by the Guide to the Sunshine Amendment & State of Florida Code of Ethics:

*Applicant's Signature: Myles L Schach Printed Name: Myles L Schach Date: 10-22-2014

Any questions and/or concerns regarding Article XIII, the Palm Beach County Code of Ethics, please visit the Commission on Ethics website www.palmbeachcountyethics.com or contact us via email at ethics@palmbeachcountyethics.com or (561) 233-0724.

Return this FORM to:
Bonnie Finneran, Environmental Director
Resources Protection Division
Environmental Resources Management
 2300 North Jog Road, 4th Floor, West Palm Beach, FL 33411

Section III (Commissioner, if applicable):

Appointment to be made at BCC Meeting on:

Commissioner's Signature: AnnClette Burdick Date: 9/24/14

Pursuant to Florida's Public Records Law, this document may be reviewed and photocopied by members of the public

Revised 01/14/2014

CURRICULUM VITAE

JAMES L. ANDERSEN, P.G.

Principal Hydrogeologist, JLA Geosciences, Inc.

QUALIFICATIONS AND EXPERIENCE President of JLA Geosciences, Inc., Jupiter, Florida and is responsible for company operations, project management, technical oversight, well design and construction phase services team leader. Mr. Andersen is going on his 30th year of working experience in hydrogeology, groundwater water resource investigations, wellfield design, construction, evaluations and rehabilitation. He has extensive experience in project and personnel management related to water resource planning, design, bidding and construction phase services. Mr. Andersen has successfully completed over 250 supply wells at 50 different wellfields. He has been responsible for more than 80 Upper Floridan Aquifer wells at 18 different wellfields throughout the state of Florida. He has an extensive background in nanofiltration (NF) and reverse osmosis (RO) raw water supply investigations, wellfield contamination investigations, collection and analysis of water quality data; rehabilitation of old wells, and supervising various types of drilling. Mr. Andersen has served as a short course instructor and speaker for various agencies and organizations including FDEP, Florida Chamber of Commerce, AWRA and American Groundwater Trust (AGT), Southeastern Desalting Association (SEDA) and American Membrane Technology Association (AMTA) on topics such as membrane treatment water supply, Aquifer Storage and Recovery (ASR), well design, rehabilitation, permitting, well construction and contamination cleanup.

PROJECT EXPERIENCE

Principal Hydrogeologist/Project Hydrogeologist, FPL West County Energy Center Upper Floridan Aquifer Wellfield, Loxahatchee, Palm Beach County, FL. (2009) Project included design, construction and testing of four (4) new 24-inch diameter FRP Upper Floridan aquifer wells. Project included an APT. The wells have capacities of 3,500 gpm, 4,700 gpm, 7,000 gpm, and 3,500 gpm and produce 20 MGD of brackish water for power plant cooling. Designed and implemented of acid treatment program for two (2) wells resulting in a specific capacity percent gain of 43% and 121%. Performed a comprehensive 72-hour Upper Floridan Aquifer APT with the pumping well producing 6,000 gpm. Additionally, the project also included the design, well construction and development of one (1) potable Surficial Aquifer well.

Principal Hydrogeologist/Project Hydrogeologist, ASR Permitting, Testing Services, The City of West Palm Beach, West Palm Beach, Florida. (2009-2013, ongoing) Project scope of services included assisting the City in obtaining funding opportunities with cycle testing activities through various entities, assistance with obtaining FDEP Underground Injection control (UIC) permit modification, UIC monitor well design, permitting, construction and bidding phase services, exploration of Limited Aquifer Exemption assistance through FDEP, ASR Cycle Testing assistance, and evaluation of the City's recovery discharge alternatives.

Andersen, J.

Principal Hydrogeologist/Project Manager/Project Hydrogeologist, Lake Region Water Treatment Plant, Upper Floridan Aquifer Wellfield SFWMD Permitting Assistance, and Well Construction and Testing Services Palm Beach County Water Utilities Department, Belle Glade, Florida (2012-2013). The Project included the well design, well installation construction observation and testing associated with the construction of one (1) new 14-inch diameter Upper Floridan aquifer well for the Lake Region WTP (2012). The Project included the development of a constant-density MODFLOW model with variable-density SEWAT code to obtain a SFWMD letter modification which predicted that additional UFA wells with increase spacing will reduce the rate of raw water salinity trends and decrease the rate of saline water upconing (approved).

Principal Hydrogeologist/Project Hydrogeologist, Class V Reverse Osmosis Concentrate Injection Well Permitting and Design Services, La Gorce Country Club, Miami Beach, Florida. (2011-2012, ongoing) Project scope of services included all phases of injection well permitting and construction, including preparation of the FDEP injection well construction and testing permit (approved), well design and contractor bidding services, in addition to observation and testing during construction, mechanical integrity testing and well summary report preparation.

Principal Hydrogeologist/ Project Hydrogeologist, Environmental Site Assessments, Well Siting and Water Quality Exploratory and Monitor Well Construction, City of West Palm Beach, West Palm Beach, Florida (2011) Project included Phase I Environmental Site Assessment reporting in accordance with Federal Register and ASTM Standard E 1527-05; well siting including site review of multiple City sites, review of vicinity history data, federal, state, and local regulatory agency files, interviews with knowledgeable persons regarding site activities, and site inspections. The project also included the preparation of technical specifications and construction oversight for the construction and testing of a 4-inch diameter water quality exploratory well to evaluate potential contaminations.

Principal Hydrogeologist/ Project Hydrogeologist, Palm Beach County Water Utilities Department System 9 Wellfield Construction of 6 Production Wells, Boca Raton, Florida (2011) Project included well design, well installation construction observation and testing associated with the construction of six (6), 16-inch diameter screened Surficial Aquifer production wells for Palm Beach County Water Utilities Department, System 9 Water Treatment Plant. The comprehensive development plan produced higher than anticipated well capacity and water quality which meet or exceed RO criteria at the maximum design pumping rate of 1,200 gpm.

Principal Hydrogeologist/Project Hydrogeologist, Town of Manalapan Reverse Osmosis Upper Floridan Aquifer Well 16, Manalapan, FL. (2008) design, construction observation and testing of one 14-inch diameter Floridan Aquifer production well including well design, construction observation, lithologic and water quality sampling, geophysical logging observation and analysis, well development observation and testing, and pump testing. The completed well met the design pumping rate of 1,500 gallons per minute with excellent water quality, meeting and exceeding reverse osmosis treatment parameters.

Andersen, J.

Principal Hydrogeologist/Project Hydrogeologist, Upper Floridan Aquifer Reverse Osmosis Production Well, Private Residence, Jupiter Island, Florida. (2009). hydrogeologic consulting services associated with the construction of one 8.5-inch diameter production well for reverse osmosis including design, field construction observation, logging, sampling, measurement and testing services; interpreting the hydrogeologic, water quality and geophysical data; and making recommendations as to the depths of boreholes, well casings, and completion intervals for the water supply well. Sand test results were less than 0.1 ppm and SDI values were less than 1.0 at the design flow rate.

Principal Hydrogeologist/Project Hydrogeologist, FMPA/FPUA Treasure Coast Energy Center Floridan Aquifer Wellfield Construction, Fort Pierce, St Lucie County, FL. (2007) Project construction and testing of three (3) new 2,500 gpm, 17.4-inch diameter PVC Upper Floridan aquifer wells.

Principal Hydrogeologist/Project Hydrogeologist, City of Lake Worth Reverse Osmosis Upper Floridan Aquifer Wellfield, Palm Beach County, FL. (2006) Project design, construction and testing of one (1) test production well and (2) production wells for Reverse Osmosis. A new jetting development program was implemented at this project and as a result the wells have SDI results below 0.5 at design flow.

Principal Hydrogeologist/Project Manager/Project Hydrogeologist, Palm Beach Par 3, Upper Florida Aquifer Well, Palm Beach, FL (2009). Project included well design, well installation construction observation and testing associated with the construction of one (1) new 10-inch diameter Upper Floridan aquifer well for the Town's Palm Beach Par 3 golf course. Furthermore, JLA designed and implemented an aggressive acid treatment program which doubled specific capacity of the well.

Principal Hydrogeologist/Project Hydrogeologist, Town of Lantana Surficial Aquifer Public Water Supply Wells 11 and 12 (2009, 2010). As part of a project team working for the Town, designed and oversaw construction of two (2), 250 feet depth, 24 inch by 17.4 inch diameter public water supply construction wells and associated test wells. The wells are screen (16 inch diameter) and gravel pack type construction utilizing large slot stainless steel screens (0.090-0.100 inch slot openings) to maximize well efficiency and long term performance. Water quality of the aquifer was evaluated using test well program that helped identify the best intervals to complete the wells and obtain superior raw water quality.

Principal Hydrogeologist/Project Hydrogeologist, Bio-solids Processing Facility Industrial Wastewater Force Main Construction Dewatering Permit, New England Fertilizer Company (NEFCO)/Solid Waste Authority (SWA), West Palm Beach, Florida. (2012) Project scope of services included preparation of a dewatering plan, including analytical modeling, to South Florida Water Management District for the construction of a new Industrial Wastewater Force Main for SWA Biosolids Processing Facility.

Principal Hydrogeologist/Project Manager/Project Hydrogeologist, Town of Jupiter Upper Floridan Aquifer Wellfield Expansion Projects, Jupiter FL. (1995/1997/2004/2006) Project

Andersen, J.

design, construction and testing of Upper Floridan aquifer wells RO-11, 12 and 13 (2004), RO-8, 9 and 10 (1997), RO-5, 6, 7 and a dual zone FAS monitor well (1995), RO-1 abandonment (2006). Performed 2 Upper Floridan aquifer APTs for the Town. The Floridan Aquifer wells mentioned brought Town's raw water capacity to its reverse osmosis plant to 23 MGD.

Principal Hydrogeologist/Project Hydrogeologist, South Martin Regional Utility, Floridan Aquifer Well Construction, Hobe Sound, Martin County, FL (2001) - Project included design and construction of two (2), 2.5 MGD Upper Floridan aquifer wells for the Utility's new reverse osmosis water treatment plant. A unique feature of this project was that the wells were sited at locations above 50 feet above mean sea level to prevent flowing condition during construction and reducing maintenance costs. Project included an APT. After two years in operation, RO plant micron prefilters need only be changed semi annually. The prefilters have never experienced a significant pressure drop resulting from the raw water quality, even after startup.

Principal Hydrogeologist/Project Manager/Project Hydrogeologist, Town of Jupiter Upper Floridan Aquifer Wellfield Improvement Project, Jupiter FL (1996) Project included investigation of poor yielding Upper Floridan aquifer wells, design, drilling to deepen and testing of existing Floridan wells RO-2 and RO-3. The project increased design capacity of the wells by 50 percent and increased the specific capacity of the wells by over 400%.

Principal Hydrogeologist/Project Hydrogeologist, Martin County Utilities, Tropical Farms Upper Floridan Aquifer Wellfield Construction for Reverse Osmosis, Stuart, FL (2003) - Upper Floridan aquifer wellfield included design, construction, acid treatment and testing of five (5) new Floridan aquifer wells to provide raw water to a new reverse osmosis plant for Martin County Utilities. Project included an Aquifer Performance Test (APT) to evaluate permeability in the Upper Floridan aquifer. The wells met the design yield criteria of 2.3 to 2.5 MGD per well and raw water quality in each of the wells exceeded design with SDI values of 1 or less.

Principal Hydrogeologist/Project Hydrogeologist, St. Lucie West Services District Upper Floridan Aquifer Wellfield, St. Lucie County, FL. (2004) Project design, construction, acid treatment and testing of one (1) test production well and (2) production wells. Specific capacities of the wells were between 150 and 300 gallons per minute per foot of drawdown at the per-well design flow of 2 MGD. SDI results were 1.0 or less.

Principal Hydrogeologist/Project Hydrogeologist, Martin County Utilities, North Plant, Upper Floridan Aquifer Wellfield Expansion, Jensen Beach, FL (2000) - Upper Floridan aquifer wellfield included design, construction and testing of two new Floridan Aquifer wells (RO-3 and RO-4) for Martin County Utilities to expand the existing reverse osmosis plant for Martin County Utilities.

Principal Hydrogeologist/Project Hydrogeologist, Upper Floridan Aquifer Reverse Osmosis Well F-2, Modification, La Gorce Country Club, Miami Beach, Florida. (2010). Evaluated produced water from the existing well through step drawdown testing, water quality testing, and geophysical logging, and worked with a contractor to modify the well with a shallower completion

Andersen, J.

interval which produced lower total dissolved solids which enabled raw water which was more typical of low pressure RO systems, at a lower pumping rate.

Principal Hydrogeologist/Project Hydrogeologist, FPL Turkey Point Upper Floridan Aquifer Wellfield Expansion, Homestead, Dade County, FL. (2006) Project design, construction and testing of three (3) new 4,500 gpm, 24-inch diameter FRP Upper Floridan aquifer wells. Designed and implemented an aggressive acid treatment program so that all wells met or exceeded design flow requirements of 6.5 MGD each. Project included an APT. The well testing approach implemented for construction enabled the wells to produce water quality with a fraction of the TDS anticipated for the project.

Principal Hydrogeologist/Project Manager/Project Hydrogeologist, Seacoast Utility Authority Upper Floridan Aquifer Wellfield Projects, Palm Beach Gardens, FL (2007/2008/2009) Project included design, construction and testing of two Upper Floridan aquifer wells F-2, and F-3 (2008, 2009), and consulting assistance with the Floridan aquifer test well F-1 (2007). Project included a four well aquifer performance test (APT). The three Floridan Aquifer wells will provide 6.7 MGD of raw water capacity to a planned brackish LPRO water treatment plant to be built by 2013.

Principal Hydrogeologist/Project Hydrogeologist, Town of Jupiter Surficial Aquifer Wellfield Rehabilitation, Jupiter, Palm Beach County, FL. (2007) Managed and oversaw the rehabilitation and improvement of Surficial Aquifer wells 6, 7, 15, 16, 18, 27, 28, 32, 33, 34, 35, 36, 37, 38 and 67 for the Town of Jupiter. Designed and implemented the rehabilitation program that has increased well capacities and reduced sand production resulting in reduced operations costs and improved efficiency. Well improvements have included well acidation, conversion of screened wells to open hole wells, jetting, air lifting and pump development to "mine out" sand, dynamic well videos to identify sand sources, new pump installations, and water quality field testing. Overall JLAG has overseen the improvement on 15 Surficial Aquifer wells utilizing approximately 69% of the total project budget. This equates to \$22,500 per well as opposed to the cost of approximately \$115,000 for a new Surficial Aquifer production well.

Principal Hydrogeologist/Project Hydrogeologist, Town of Jupiter Surficial Aquifer Wellfield Expansion (2004) - including two phases in the Indian Creek and Abacoa developments. Included design, construction and testing of screened and open hole wells.

Principal Hydrogeologist/Project Hydrogeologist, Martin County Tropical Farms Surficial Aquifer Wellfield (2003). - investigation to determine the cause of poor and rapidly declining well yields in a surficial aquifer wellfield. Prepared specifications to rehabilitate wells and implemented a wellfield wide successful reconstruction program which increased well performance and improved water quality.

Principal Hydrogeologist/Project Hydrogeologist, Martin County Utilities, North Plant, Upper Floridan Aquifer Wellfield Rehabilitation, Jensen Beach, FL (2001) - Project included design and implementation of an Upper Floridan aquifer wellfield acid treatment and development program to restore well capacities. Low pumping levels were contributing to

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slime problems in the wells. The project achieved the stated goals in restoring pumping water levels to mitigate the source of the slime.

Principal Hydrogeologist/Project Hydrogeologist, Fort Pierce Utilities Authority Upper Floridan Aquifer Well Acidification, Fort Pierce, St Lucie County, FL. (1999) Project included designing, bidding and implementing an acid treatment program to improve an existing older Upper Floridan aquifer well.

Project hydrogeologist for Palm Beach County, FL Water Utilities Division, System 3 Upper Floridan Aquifer Storage and Recovery Pilot Program, Boynton Beach, FL. (1997) - Project included permitting, design and construction of an Upper Floridan aquifer ASR well and a dual zone (upper and mid) Floridan aquifer monitor well.

Principal Hydrogeologist/Project Hydrogeologist, South Martin County Regional Utility, Hobe Sound FL Consulting - monitoring and remediation design of saline water intrusion into the south wellfield, permitting of surficial and Upper Floridan aquifer withdrawal, Utilities hydrogeologist.

Principal Hydrogeologist/Project Hydrogeologist, Town of Jupiter Island Aquifer Resource Investigation - Fresh groundwater resource investigation and location of saline water interface in the shallow aquifer system on Jupiter Island. A "Geoprobe" system was used to profile the water quality in the unlithified and poorly lithified sediments beneath the island and test borings were performed to determine geologic units.

Principal Hydrogeologist/Project Hydrogeologist, City of Cape May, New Jersey Water Supply Study - Technical team member investigating the raw water supply for the City. The study included reviewing the current hydrogeologic conditions; efficiency and continued feasibility of the City's existing Aquifer Storage and Recovery (ASR) program in the Cohansee Aquifer; existing well operating condition; and future groundwater availability for supply. The City operates wells completed in the Cohansee and Atlantic City 800-foot Sand Aquifers.

Principal Hydrogeologist/Project Hydrogeologist, City of Franklin Virginia Hunterdale Replacement Well Construction - Water quality in the Lower Potomac Aquifer was profiled to determine construction of a replacement 20 inch by 12 inch screen and gravel pack production well for the City. Profile testing included the installation of a 4-inch diameter test well to a maximum depth of 740 feet and sampling dissolved fluoride and chloride concentrations at various depths. A 1,500-gallon per minute well was constructed and pump tested.

Project hydrogeologist for the City of Miami Beach Aquifer Storage and Recovery Pilot Program - Project included FDEP UIC permitting, design, construction and cycle testing of a shallow aquifer ASR well to inject potable water into an aquifer of sea water quality.

Staff Geologist, Dare County North Carolina (Kill Devil Hills) Yorktown Aquifer Test Well Construction - A Yorktown Aquifer Test well and six observation wells were constructed to evaluate the safe yield from a brackish coastal aquifer. The project included construction of the test production and observation wells, aquifer water quality profile analysis, geophysical

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logging, a 72 hour aquifer performance test, and groundwater flow and density dependant solute transport modeling for wellfield design.

Staff Geologist, City of Titusville Wellfield Development - Development of a 4.5 MGD Surficial Aquifer wellfield in the coastal ridge area of Titusville

Staff Geologist, City of Cape Coral, Floridan Wellfield Expansion - Investigations of the Lower Hawthorn and Upper Floridan aquifer for reverse osmosis supply (21 MGD) and well field development and existing well refurbishment

Staff Geologist, Island Water Supply Wellfield Expansion - Investigations for a 7.5 MGD raw water supply from Floridan Aquifer for treatment in an electro dialysis plant and a reverse-osmosis plant on Sanibel Island.

ACADEMIC BACKGROUND

Bachelor of Science - Geology; Florida Atlantic University, 1985.

PUBLICATIONS

Andersen, J.L., 2004, Wells and Groundwater Quality, article written for the Southeastern Desalting Association, first quarter publication "Recovery Zone".

Andersen, J.L., 2003, Well Maintenance, article written for the Southeastern Desalting Association, fourth quarter publication "Recovery Zone".

Hydrogeology an Environmental Approach, textbook, by Watson, I and Burnett, A.D., 1993, Buchanan Books, Cambridge, Ft. Lauderdale, minor contributor.

Missimer, T.M., Horvath, L.E., Martin, W.K., Andersen, J.L., and Todd, D.A., 1988, Modeling of Pumping-Induced Groundwater Quality Changes at the Dare County, North Carolina Wellfield: National Water Supply Improvement Association, Annual Proceedings.

PRESENTATIONS

Permitting Alternative (Groundwater) Water Supplies, American Membrane Technology Association / Southeast Desalting Association Joint Symposium, Hawks Cay Resort, Duck Key, Florida, September 26 - 28, 2004

Raw Water Supply Considerations for Reverse Osmosis Treatment, Southeast Desalting Association Fall Conference, Bonita Springs, Florida, October 27- 28, 2003

Environmental Permitting Short Course, Practical Aspects of Implementing Contamination and Remedial Actions at Chapter 17-770 FAC Sites, Florida Chamber of Commerce Environmental

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Permitting Short Course, Florida State University Conference Center, Tallahassee, FL, 1991, 1992, 1993

Storage Tanks Update Seminar, Practical Aspects of Implementing Contamination and Remedial Actions at Chapter 17-770 FAC Sites, Florida Chamber of Commerce Permitting Summer School, Annual Conference, Marco Island, FL, 1990, 1991, 1992, 1993

Initial Remedial Action as a Means of Reducing Overall Costs, presented to Florida Department of Environmental Regulation Storage Tank Program Annual Meeting, Orlando, FL, 1990

Regulations and Standards that Govern Environmental Contamination Cleanup, Conference to Harper Brothers, Inc, Contractors, as a part of their corporate spill prevention program, Fort Myers, FL, 1990.

The Effects of Tidal Surface Water Bodies on Hydrocarbon Plume Migration in Coastal Areas, Florida Association of Water Quality Control, Annual Conference, 1990

PROFESSIONAL REGISTRATION

State of Florida, Professional Geologist, No. 1103

PROFESSIONAL AFFILIATIONS

Southeast Desalting Association

American Membrane Treatment Association

Geological Society of America

International Association of Hydrogeologists

Myles Schack

7205 Crystal Lake Drive
(Tel) 561-712-9738 email: mls537@comcast.net

I am a retired Aviation Industry executive (40 years) during which time I've acquired substantial skills and experience in budgeting, finance, competitive bidding, purchasing, management techniques, communications, problem-solving and intergovernmental relations.

For the past 9 years, I have served on RiverWalks Board of Directors as, Secretary and Vice-President My energy and efforts have helped to maintain OUR community and enhance the value of our homes, while improving our quality of life, at an affordable cost. The following are some of my accomplishments during my 9-year tenure on the Board

1. In May 2006 the Board approved my 5 year plan to upgrade our irrigation system by replacing all 44 of our outdated irrigation pump stations and replace them with 14 computerized pump stations that utilize the latest in irrigation technology. The fact that we are using this new technology along with the elimination of 30 old pump stations has minimized our operating cost by 50%, while maximizing the efficiency of our irrigation system. All of which equates to saving money and water.
2. In 2007 the Board on my recommendation installed a pump station that utilizes our Lake Water instead of City Water in the operation of our Tennis Courts. By converting from City Water to Lake Water the Association has reduced our water and sewer service charges at the Town Center Complex by 72% which amounts to a savings of approximately \$72,000 a year.
3. As Chairman of the Painting Committee I over-saw all phases of the restoration of the Town Center Complex. The project was completed in November of 2008 and in March of 2009 the restoration of our Homes got underway. The Residential Painting Project was completed in April of 2013, 2 years ahead of schedule.
4. As Chairman of the Water Committee I was instrumental in negotiating a new and revised Water Use Permit that authorized RiverWalk to install nine-(9) emergency wells, water source the Surficial Aquifer. Due to the water committees efforts we were able to solicited the City's help in obtain a permit from Northern to raise our weir one foot which will enable RiverWalk to store an additional 41.7 million gallons of water in our lakes to counter the effects of a prolong drought and the County's system #8 wellfield drawdown of our lakes.

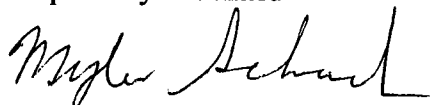
COMMUNITY SERVICE

City of West Palm Beach and Palm Beach County

- Appointed by the Mayor to the City Green Task Force 2009 - 2010
- Appointed by the Mayor in 2012 and presently serving on the City Water Advisory Board
- In 2014 appointed to Palm Beach County's Public Information Committee regarding how the National Flood Insurance Program can help protect your home and business in event of a flood.

I consider myself a proactive member of the Board of Directors and my accomplishments over the past 9 years testify to that fact. Due to my efforts I have helped to enhance our quality of life, at affordable cost, while protecting RiverWalk's Property Values.

Respectfully Submitted



Myles Schack



**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
GROUNDWATER & NATURAL RESOURCES PROTECTION BOARD**

I. AUTHORITY :

Unified Land Development Code (ULDC) Art. 2.G.3.F, Groundwater and Natural Resources Protection Board. [Ord. 2003-067, effective January 1, 2004, as amended].

II. APPOINTING BODY :

Board of County Commissioners

III. COMPOSITION, QUALIFICATIONS, TERMS & REMOVAL :

The Board shall be comprised of seven (7) members appointed by the BCC. Membership shall be as follows: 1) a professional engineer registered by the State of Florida; 2) an attorney licensed to practice in Florida; 3) a hydrologist or hydrogeologist; 4) a citizen possessing expertise and experience in managing a business; 5) a biologist or a chemist; 6) concerned citizen; and 7) a member of an environmental organization.

All members shall serve three (3) year terms. All members serving on the GNRPB on the effective date of this Code shall complete their terms according to their prior appointments.

EXTENDED COMPOSITION :

IV. MEETINGS :

Bi-Monthly. Special meetings may be called by the Chair or in writing by a majority of the members of the Board.

V. FUNCTIONS :

The GNRPB shall have the following powers and duties:

1) to hold hearings as necessary to enforce Article 14, Environmental Standards, if there has been a failure to correct a violation within the time specified by the Code Inspector, if the violation has been repeated, or is of such a nature that it cannot be corrected; 2) to adopt rules of procedure for the conduct of hearings; 3) to issue subpoenas compelling the provision of evidence at Board hearings. Subpoenas may be served by the PBC Sheriff's Department, or other authorized persons consistent with Florida Law; 4) to issue subpoenas compelling the provision of evidence at GNRPB hearings; 5) to take testimony under oath; 6) to issue orders having the force of law commanding whatever steps are necessary to achieve compliance with the violation of Article 14 of the Environmental Standards; 7) to lien property and 8) to assess administrative fines and costs pursuant to Article 14, Environmental Standards.

* indicates a member having an action pending

VI. LIAISON INFORMATION :

LIAISON DEPARTMENT

Environmental Resources Management

CONTACT PERSON

Bonnie Finneran

ADDRESS

2300 N Jog Rd Fl 4TH
West Palm Beach FL 33411
Phone # 561-233-2525

* indicates a member having an action pending



GROUNDWATER & NATURAL RESOURCES PROTECTION BOARD

SEAT ID	CURRENT MEMBER	ROLE TYPE	RACE CODE	GENDER	BUSINESS / HOME PHONE	SEAT REQUIREMENT	APPOINT DATE	REAPPOINT DATE	EXPIRE DATE
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Appointed By : At-Large/Palm Beach County Board of County Commissioners

1	William P. Snow AECOM	Member	CA	M	561-684-3375	Professional Engineer	04/05/2008	05/06/2014	05/05/2017
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2090 Palm Beach Lakes Blvd Ste 600
West Palm Beach FL 33409

NOMINATED BY : Florida Engineering Society - PBC Chapter

2	W. Scott Mason Fox Rothschild, LLP	Member	CA	M	561-804-4432	Attorney	03/12/2013		03/11/2016
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222 Lakeview Ave Ste 700
West Palm Beach FL 33401

NOMINATED BY : PBC Bar Association

3	Allen Trefry	Member	CA	M	561-625-6610	Environmental Organization Representative	05/18/2010	05/06/2014	05/05/2017
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14939 Palmwood Rd
Palm Beach Gardens FL 33410

NOMINATED BY : Arthur R. Marshall Foundation & FL Environmental Institute, Inc.

4	Kirt W. Rusenko Gumbo Limbo Nature Center	Member	CA	M	561-544-8613	Chemist	06/19/2012	08/13/2013	08/12/2016
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1801 N Ocean Ave
Boca Raton FL 33432

NOMINATED BY :

* indicates a member having an action pending

Appointed By : At-Large/Palm Beach County Board of County Commissioners

5	Artice "Art" Cobb	Member	AA	M	561-881-0784	Resident of Palm Beach County	03/09/2010	03/12/2013	03/11/2016
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1002 Aspri Way
Riviera Beach FL 33418

NOMINATED BY :

6	Jonathan E. Shaw, P.G. Environ International Corporation	Member	CA	M	561-613-4325 X104	Hydrogeologist	08/01/2005	08/16/2011	08/15/2014
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2201 NW Corporate Blvd Ste 105
Boca Raton FL 33431

NOMINATED BY : Treasure Coast Chapter of the FL Association of Environmental Profe

7	Mal Behl	Member	CA	M	561-731-0115	Business Owner	09/23/2008	11/01/2011	10/31/2014
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9753 Sills Dr E Apt 101
Boynton Beach FL 33437

NOMINATED BY :

* indicates a member having an action pending

Palm Beach County Board of County Commissioners
Groundwater and Natural Resources Protection Board

2011 MEMBER ATTENDANCE LISTING

MEMBER NAME	Seat No. 1 WILLIAM SNOW	Seat No. 2 LLOYD COMITER	Seat No. 3 ALLEN TREFRY	Seat No. 4 JASON MORETZ	Seat No. 5 ARTICE COBB	Seat No. 6 JONATHAN SHAW	Seat No. 7 MAL BEHL	ATTORNEY(S)	MEETING TIME	
									START	END
MEMBER SINCE	04/05/2008	08/18/2009	05/18/2010	03/11/2008	03/09/2010	08/23/1988	09/23/2008			
TERM START	04/05/2008	08/18/2009	05/18/2010	07/31/2010	03/09/2010	07/31/2011	09/23/2008			
TERM EXPIRES	04/04/2011	08/17/2012	04/04/2011	07/30/2013	07/30/2013		09/22/2011			
CHAIR/VICE	CHAIR						VICE			
VOTING CONFLICT		1				2				

2011 MEETING DATES

01/20/2011	MEETING CANCELLED									
03/24/2011	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	Fox/Wynn	1:30 PM	3:21 PM
05/19/2011	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	Fox/Benjamin	1:33 PM	2:10 PM
07/21/2011	MEETING CANCELLED									
09/22/2011	MEETING CANCELLED									
11/17/2011	ABSENT	PRESENT	PRESENT	ABSENT	ABSENT	PRESENT	PRESENT	Banks/Helfant	1:38 PM	2:22 PM

Palm Beach County Board of County Commissioners
Groundwater and Natural Resources Protection Board
2012 MEMBER ATTENDANCE LISTING

MEMBER NAME	Seat No. 1 WILLIAM SNOW	Seat No. 2 LLOYD COMITER	Seat No. 3 ALLEN TREFRY	Seat No. 4 KIRT RUSENKO	Seat No. 5 ARTICE COBB	Seat No. 6 JONATHAN SHAW	Seat No. 7 MAL BEHL	ATTORNEY(S)	MEETING TIME	
									START	END
MEMBER SINCE	04/05/2008	08/18/2009	05/18/2010	06/19/2012	03/09/2010	08/23/1988	09/23/2008			
TERM START	05/03/2011	08/18/2009	05/18/2011	06/19/2012	03/09/2010	08/16/2011	11/01/2011			
TERM EXPIRES	05/02/2014	08/17/2012	05/02/2014	07/30/2013	03/08/2013	08/15/2014	10/31/2014			
CHAIR/VICE	CHAIR						VICE			
VOTING CONFLICT	0	0	0	0	0	0	0			
2012 MEETING DATES										
01/19/2012	PRESENT	ABSENT	ABSENT	RESIGNED	PRESENT	PRESENT	PRESENT	Fox/Helfant	1:34PM	2:29 PM
03/15/2012	MEETING CANCELED									
05/17/2012	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	Fox/Helfant	1:35 PM	3:20 PM
07/19/2012	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	Fox/Helfant	1:35 PM	NR
09/20/2012	MEETING CANCELED									
11/15/2012	MEETING CANCELED									

Palm Beach County Board of County Commissioners
Groundwater and Natural Resources Protection Board

2013 MEMBER ATTENDANCE LISTING

MEMBER NAME	Seat No. 1	Seat No. 2	Seat No. 3	Seat No. 4	Seat No. 5	Seat No. 6	Seat No. 7	ATTORNEY(S)	MEETING TIME	
	WILLIAM SNOW	VACANT	ALLEN TREFRY	KIRT RUSENKO	ARTICE COBB	JONATHAN SHAW	MAL BEHL		START	END
MEMBER SINCE	04/05/2008		05/18/2010	06/19/2012	03/09/2010	08/23/1988	09/23/2008			
TERM START	05/03/2011		05/18/2011	06/19/2012	03/12/2013	08/16/2011	11/01/2008			
TERM EXPIRES	05/02/2014		05/02/2014	07/30/2013	03/11/2016	08/15/2014	10/31/2014			
CHAIR/VICE	CHAIR				VICE CHAIR		VICE			
VOTING CONFLICT	0		0	0	0	0	0			

2013 MEETING DATES

01/17/2013	MEETING CANCELLED										
03/21/2013	MEETING CANCELLED										
05/16/2013	MEETING CANCELLED										

MEMBER NAME	Seat No. 1	Seat No. 2	Seat No. 3	Seat No. 4	Seat No. 5	Seat No. 6	Seat No. 7	ATTORNEY(S)	MEETING TIME	
	WILLIAM SNOW	W MASON	ALLEN TREFRY	KIRT RUSENKO	ARTICE COBB	JONATHAN SHAW	MAL BEHL		START	END
MEMBER SINCE	04/05/2008	03/12/2013	05/18/2010	06/19/2012	03/09/2010	08/23/1988	09/23/2008			
TERM START	05/03/2011	03/12/2013	05/18/2011	08/13/2013	03/12/2013	08/16/2011	11/01/2011			
TERM EXPIRES	05/02/2014	03/11/2016	05/02/2014	08/12/2016	03/11/2016	08/15/2014	10/31/2014			
CHAIR/VICE	CHAIR				VICE CHAIR		VICE			
VOTING CONFLICT	0	0	0	0	0	0	0			

2013 MEETING DATES (continued)

07/18/2013	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	Fox/Helfant	1:35 PM	2:45 PM	
09/19/2013	MEETING CANCELLED										
11/21/2013	MEETING CANCELLED										

