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**AGENDA REPORT  
May 22, 2018**

**Confirmation of Joseph M. Faella as Mosquito Control Department Director**



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**SUBJECT:**

Confirmation of Joseph M. Faella as Mosquito Control Department Director

**FISCAL IMPACT:**

None

**DEPT/OFFICE:**

County Manager

**REQUESTED ACTION:**

It is requested that the Board of County Commissioners confirm the appointment of Joseph M. Faella as Mosquito Control Department Director.

**SUMMARY EXPLANATION and BACKGROUND:**

Pursuant to the Brevard County Charter and Code of Ordinances, the Board of County Commissioners is asked to confirm the appointment of Joseph M. Faella as Mosquito Control Department Director. Mr. Faella has extensive experience institutionally and has been trained by the former Director. County Manager Frank Abbate and Assistant County Manager John Denninghoff are confident that he will be able to serve the public well in this position, which is so important for public health.

Mr. Faella has acquired an integrated background in public health, management and environmental science over the last 17 years. In 2001, he joined Volusia County Mosquito Control as an Inspector and advanced into the role of Environmental Specialist over five (5) years. During this time, he experienced the challenges of the West Nile Virus epidemic and the historic 2004 hurricanes. During the following seven (7) years, Mr. Faella further developed environmental and management skills in a private consulting role and as an

Environmental Specialist for the Brevard County Natural Resources Management Watershed Program. In 2014, Mr. Faella was promoted to Supervisory Biologist for Brevard County Mosquito Control overseeing management of the Environmental Section's surveillance and impoundment activities, including during the recent declared emergencies of Zika Virus outbreak, Hurricane Matthew and Hurricane Irma.

Upon confirmation, Mr. Faella will continue to serve the public with the supervisory, management, administrative, budgeting, and community outreach skills necessary to be successful in the position as Department Director of Mosquito Control.

Mr. Faella's resume is attached for the Board's information and review.

**ATTACHMENTS:**

**Description**

- **Resume**



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May 23, 2018

MEMORANDUM

TO: Frank Abbate, County Manager

RE: Item II.D.5., Confirmation of Joseph M. Faella as Mosquito Control Department Director

The Board of County Commissioners, in regular session on May 22, 2018, confirmed the appointment of Joseph M. Faella as the Mosquito Control Department Director.

Your continued cooperation is greatly appreciated.

Sincerely yours,

BOARD OF COUNTY COMMISSIONERS  
SCOTT ELLIS, CLERK

*Tammy Rowe*

Tammy Rowe, Deputy Clerk

/ds

cc: Human Resources Director  
Finance  
Budget

## JOSEPH M. FAELLA

### RELEVANT WORK EXPERIENCE

**Brevard County Mosquito Control Dept.**, 800 Perimeter Rd., Titusville, FL 32780

Title: Supervisory Biologist      Dates: Jan 2014 to Present

**Duties:** Manage mosquito impoundments; coordinate arboviral and mosquito population surveillance; supervise staff on water level manipulations, impoundment maintenance, mosquito trapping and sentinel chicken flock maintenance and monitoring; supervise work crews on hurricane (FEMA) dike repairs and culvert installations; interpret/apply state and federal permitting as necessary; mosquito trap counts and ID; request and review quotes for product/equipment purchases; plan/update fiscal project budgets; coordinate with SJRWMD and MINWR project partners; manage schedules and budgets; coordinate with UF and Navy Research Labs on Zika-related monitoring and resistance testing; conduct internal training and external outreach; address public requests

**Brevard County Natural Resources Dept.**, 2725 Judge Fran Jamieson Way, Viera, FL 32940

Title: Environmental Specialist      Dates: Jan 2013 to Jan 2014

**Duties:** Developed watershed projects with associated monitoring and outreach plans; assisted with grants and management of dredging, aquatic harvesting and oyster restoration projects; interpreted/applied state and federally mandated criteria (e.g., TMDL, BMAP, NNC and NPDES); reviewed vendor presentations, demonstrations and quotes for product and equipment purchases; evaluated and selected RFQ's for consulting services; secured contract approvals with County attorney and risk manager; planned and updated fiscal project budgets; coordinated with internal engineering, GIS and mosquito control staff on projects; coordinated with academic, municipal and non-profit partners; acquired grants; managed schedules and budgets; addressed public requests

**Dredging and Marine Consultants, LLC**, 4643 S. Clyde Morris Blvd., Port Orange, FL 32129

Title: Aquatic Biologist/ Project Mgr.      Dates: Aug 2007 to Jan 2013

**Duties:** Managed environmental and engineering projects; supervised construction crews; conducted regulatory permit and grant compliance monitoring, scheduling, inspecting and reporting; delegated tasks to technical and administrative support staff; conducted meetings with and provided project updates to clients and respective board/council/commissioners; managed equipment inventory; coordinated with external laboratories on sample processing and data; wrote and edited technical reports; prepared bid packages, RFQ proposals, permit documents, website content and marketing literature; conducted QA/QC reviews; assessed ecological populations, habitats, surface water and sediment; conducted threatened/endangered species surveys, mitigation and relocation

**Water and Air Research, Inc.**, 6821 SW Archer Rd., Gainesville, FL 32608

Title: Biology Technician      Dates: Aug 2006 to Aug 2007

**Duties:** Conducted extensive surface water monitoring on remotely located Water Mgmt. District lands; evaluated sediment samples for benthic macroinvertebrates; conducted regional stream assessments; followed FDEP lab and field standard operating procedures (SOPs); reported water quality and macroinvertebrate data; utilized MS Excel and Laboratory Info Management Systems (LIMS) database for data management; provided marketing support

**Volusia County Mosquito Control, PW Dept.**, 801 South St., New Smyrna Beach, FL 32168

Title: Environmental Specialist      Dates: Aug 2004 to Aug 2006

Inspector/Equip Operator/Env Tech      May 2001 to Aug 2004

**Duties:** Insect population monitoring and management (IPM); arboviral testing and surveillance; surface water monitoring; experiment design, planning and implementation; fabrication of custom traps; data management and communication of results (oral/written); public education talks and literature (i.e., pamphlet & handouts); local TV and newspaper interviews; care and monitoring of sentinel chickens; mosquito landing rate and trap monitoring; pesticide applications; hiring, supervision and scheduling of student/seasonal field and lab assistants; drafted press releases; addressed public health service requests; coordinated with state/county Environmental Health Lab

## EDUCATION AND CREDENTIALS

- **Degree:** B.S. in Biology (Limnology Emphasis)\* - **University of Central FL**; Orlando, FL- Apr 2004  
\*Including aquatic plant mgmt, invertebrates & water quality; graduate fisheries mgmt coursework
- **Degree:** Associate of Arts - **Daytona Beach Community College**; Daytona Beach, FL - May 2001
- **FL Licenses & Certificates:** FDACS Public Health Director, Aerial & Aquatic Applicator Licensure; NASA Badge; FDEP Stormwater Erosion & Sedimentation Control Inspector; FWC Authorized Gopher Tortoise Agent; UF Master Naturalist; FDEP SOP Sampling for Groundwater, Surface Water and Wastewater; Stream Conditioning Index (SCI); Lake Vegetation Index (LVI); & Wetland Delineation/ UMAM; Class E Driver License
- **Misc. Certifications & Training:** CDC Certified in Mosquito Ctrl BMPs, HAZWOPER, Covey's 7 Habits, Leadercast

## KNOWLEDGE, SKILLS AND ABILITIES

### ***Management, Administration and Public Education:***

- Ability to effectively train and supervise field, laboratory and office personnel
- Ability to manage projects and coordinate with contractors, engineers and regulatory staff
- Knowledgeable of budgeting, bid preparation, quote requesting/reviewing and invoicing
- Skilled at grant acquisition, management and compliance from proposal to closeout
- Skilled in data collection, entry, tabulation, analyses and report preparation
- Skilled with MS Office (Word, Excel, PowerPoint & Outlook) and other PC applications
- Knowledgeable of Integrated Pest Mgmt (IPM), Best Mgmt Practices (BMPs), and regulatory permitting
- Skilled at conducting educational outreach programs and responding to public requests
- Ability to conduct presentations and workshops for varied lay and professional audiences
- Ability to manage equipment, order supplies and maintain sufficient inventory
- Skilled at generating aerial maps from field assessments and GPS coordinates
- Ability to plan and oversee impoundment dike repairs, maintenance and culvert installations
- Ability to coordinate effectively with FDACS, UF, SJRWMD, USFWS, FEMA and other agencies

### ***Environmental Field and Laboratory:***

- Knowledgeable of entomological monitoring, identification, research and population management
- Skilled in collecting adult mosquitoes using traps (e.g., CDC, BG & NJ) and baits (e.g., CO<sub>2</sub> & BG lure)
- Skilled at conducting site inspections, landing rates and larval dips for treatment justification
- Ability to care for and collect blood samples from sentinel chickens for arboviral testing
- Ability to monitor and manipulate water levels (via pumps and boards) to manage mosquito impoundments
- Ability to interpret pesticide labels in order to safely apply pesticides and test ULV droplets
- Knowledgeable of aquatic plant identification, ecology and management principles
- Skilled in the operation, trailering & GPS navigation of various boats on ponds, lakes & rivers
- Skilled in ecological monitoring, habitat assessment, mitigation planting, and gopher tortoise relocation
- Ability to collect and analyze sediment and surface water or coordinate testing with a NELAC lab
- Skilled with various field and laboratory equipment and associated calibration and QA/QC

### **SELECT MOSQUITO CONTROL PROJECTS, STUDIES AND MONITORING ACTIVITIES**

- Impoundment Dike (FEMA) Repairs – Hurricanes Matthew and Irma Damage, Brevard County
- Implementation of DropVision Software & Equipment for Testing Aerial & Ground ULV Droplets, Brevard County
- BG Sentinel Trap Surveillance for *Aedes aegypti/albopictus* monitoring and FDACS Zika Testing, Brevard County
- Modified Ground ULV Application of Vectobac WDG at Cemetery and Salvage Yard, Brevard County
- Ovicup Egg Collections at Titusville Cemetery for UF Lab Evaluation of Pesticide Resistance, Brevard County
- Installation of Over 20 Culverts for Improved Mosquito Impoundment Connectivity with the IRL, Brevard County
- Efficacy of Metalarv on *Aedes taeniorhynchus* Pupae in Two Floodwater Environments, Brevard County
- Subsidized Marsh Pilot Project at T-10-D Impoundment, Merritt Island National Wildlife Refuge, Brevard County
- Adult Mosquito Population (CDC) Trapping, Monitoring and Lab Identification, Brevard & Volusia Counties
- Mosquito Arbovirus Surveillance, Including Sentinel Chicken Blood Testing, Brevard & Volusia Counties
- Pond Aeration/ Circulator Effects on Larval Chironomidae and Chaoboridae (Midge) Populations, Central FL
- Access Channel Dredging - Mosquito Dragline Ditch Restoration for Permitting Mitigation, South Daytona
- Adult Chironomid (Midge) Response to Directional Lighting Alterations, Research/Monitoring, Sanford
- Field Evaluation of Bifenthrin Barrier Treatment on Adult Mosquito and Midge Populations, Volusia County
- Wooton Park Marina Dock and Pavilion Engineering - Midge IPM Lighting Design, Lake Dora, Tavares
- Comparison of NJ Light Traps and New Sticky Panel/ Glue Traps for Collecting Adult Midges, Sanford

### **PROFESSIONAL PARTICIPATION, OUTREACH AND AFFILIATIONS**

- Subcommittee on Managed Marshes (SOMM) – 2017 – meeting attendee and field trip guide
- Arbovirus Surveillance & Mosquito Control Workshop, Anastasia MCD – 2017 – student project/presentation mentor
- Mosquito Outreach – Various dates, 2014 to present – school, camp, safety, emergency mgmt, community events
- FL Mosquito Control Association – 2014 to present – member/conference attendee
- Brevard Zoo/County Oyster Gardening Program - 2013 – assisted with shell prep, distribution & deployment
- FL Future Farmers of America (FFA) State Environmental Science Contest - 2013 to present - judge
- FL Assoc. of Environmental Professionals – 2011 to 2013 – member/workshop attendee
- Central FL Lake Management Soc. (CFLMS) – organizer/moderator of 2010 Spring Meeting
- FL Aquatic Plant Management Society – 2009 member/conference attendee
- FL Association of Benthologists – 2009 member/conference speaker
- North Florida Public Health Workshop, Jacksonville Extension Office – May 2006 CEU instructor
- Volusia County Schools: Mosquito Control Presentations – Various dates, 2001 to 2006
- FL Mosquito Control Association – Jan 2005 DODD Short-course CEU instructor
- FL Lake Management Society – 2004 to 2013 – member/frequent conference speaker
- FL Entomological Society - July 2002 annual conference speaker