

	Nuclear Regulatory Commission	
	Exhibit # - SNC000002-00-BD01	
	Docket # - 05200011	
	Identified: 03/16/2009	
Admitted: 03/16/2009		Withdrawn:
Rejected:		Stricken:

## **Exhibit SNC 000002**

# **Anthony R. Dodd**

## **Curriculum Vitae**

**Anthony R. Dodd**

**Position Title:** Environmental Specialist

**Primary Disciplinary Experience:** Fisheries Biology and Aquatic Ecology

**Certification:** Certified Fisheries Professional by the American Fisheries Society

**Degree:** Bachelor of Science Marine Biology, Troy University, 1982

**Employer:** Georgia Power Company

**Address:** 5131 Maner Road, Smyrna, Georgia 30080

**Current job position responsibilities**

Mr. Dodd serves in a department that is steeped in both internal and external company environmental affairs and outreach. Mr. Dodd's current, primary position responsibilities include conduct of routine monitoring as well as management of power company resources that involve aquatic biological resources associated with reservoirs of FERC permitted hydroelectric dams and tail waters as well as State waters that may be affected by company infrastructure development needs. In addition to conducting routine investigations of water quality and fishery resources, Mr. Dodd manages, on a case by case basis, special projects based in issues of assessment of fisheries and other natural resources including freshwater aquatic macroinvertebrate communities, mussel fauna, and coastal estuarine resources. In particular, based on his experience, Mr. Dodd is a key staff resource for field investigations in assessment of potential power plant impacts to aquatic resources subject to CWA Sections 316(a) - thermal - and (b) entrainment/impingement at fossil fuel and nuclear electric production facilities. Additionally, Mr. Dodd is currently involved with the company's directed activities for FERC relicensing projects, voluntary resource conservation initiatives including wetland and aquatic habitat restoration, composition of a draft conservation agreement with assurances for gopher tortoise, and reservoir clean-up programs. Secondly, Mr. Dodd is a staff resource for investigations of nuisance aquatic pests, water quality investigations, and wetland impact assessment.

**Prior Employment**

**Employer:** Geosyntec Consultants, Inc.

**Address:** 1255 Roberts Boulevard, NW, Suite 200, Kennesaw, GA 30144

**Period in this position:** From August 2000 to August 2007

**Position title:** Senior Biologist

Between August of 18, 2000 and August 20, 2007, Mr. Dodd was employed as senior biologist with emphasis on his fisheries expertise at GeoSyntec's Water and Natural Resources Group based in Atlanta, Georgia. He has conducted and supervised fisheries-related investigations in freshwater and estuarine environments throughout much of the eastern and southern United States in his cumulative professional experience. He has extensive experience with fisheries assessment stemming from a variety of needs related

to permit relicensing and compliance for major electric and gas utility companies, biomonitoring of paper mill effluents for the pulp and paper industry, EPA Super Fund Investigation sites, hazardous waste assessment and clean-up programs, power plant siting studies, industrial development interests, private pond and lake owner management interests, and ecological risk assessment for private industries. Mr. Dodd is a licensed Federal Permit holder for collection of protected species of freshwater fish species in Georgia resulting in the first successful certification of his employer for conduct of aquatic studies for the Georgia Department of Transportation. As an experienced fisheries investigator, Mr. Dodd is expertly versed in fish collection methodologies, including hydroacoustics sampling, in freshwater and estuarine environments, species identification, sample sampling, and Quality Control and Quality Assurance measures required in various state and federal protocols. Mr. Dodd's responsibilities range broadly from project concept and work scoping to preparation, interpretation, and delivery of technical report findings the client and regulatory community. As an experienced fisheries investigator, Mr. Dodd has mentored junior staff members in AFS and accepted fisheries sampling practices required for the varied ecological investigation needs of the firm. In recent performance of 316(b) thermal demonstration studies that assessed the level of thermal impacts to fish and macroinvertebrate communities of Lake Sinclair, Mr. Dodd authored technical findings of the study via innovative application of multi-metric analyses in a large reservoir, otherwise a method in 316(b) application unique to any previous, similar compliance investigations in Georgia. In the past, he has served as a judge of student papers in the service of a past Chapter President at AFS Chapter meetings. As a member of the Georgia AFS Chapter, Mr. Dodd has represented his employer as a sponsor of annual meetings for several years.

**Employer:** EA Engineering, Science, and Technology, Inc.

**Address:** 11019 McCormick Road, Hunt Valley, MD 21031

**Period in this position:** From June 1989 to May 1994

**Position title:** Scientist III

As a fisheries professional at EA Engineering, Mr. Dodd conducted fish community characterizations, assessments of residual chemicals in fish tissue, and fish habitat/physical habitat suitability studies stemming from a host of environmental compliance or re-licensing needs for the fossil fuel-power production industry, chemical manufacturing industry, military installations, municipalities, and the pulp and paper industry. Mr. Dodd and co-authored numerous in-house technical reports concerning the subject matter from job fishery investigations. Among his accomplishments as a fisheries professional, Mr. Dodd was a key provider of fisheries and IFIM (instream flow incremental methodology) investigation products for Georgia Power in responding to FERC (Federal Energy Regulatory Commission) relicensing exhibits for eight hydroelectric facilities in Georgia. Mr. Dodd performed fish community and field components of aquatic risk assessment investigations as SuperFund hazardous waste assessment sites or military BRAC (base realignment and closure program) sites located in New York, Alabama, Pennsylvania, and Rhode Island. Additionally, Mr. Dodd provided key fish investigation products for the paper manufacturing industry at sites located in Georgia, Mississippi, Tennessee, North Carolina, West Virginia, and Texas

while at EA Engineering. Mr. Dodd provided mentoring in fisheries sampling methods and data interpretation to a number of junior staff members at EA. Mr. Dodd first joined the Georgia Fisheries Workers Association and the Georgia Chapter of the American Fisheries Society (Member Number 023326) while with EA Engineering. Mr. Dodd was a holder of several state scientific collection permits in order to provide fisheries work dependent upon job location.

**Employer:** Aquatic Ecological Services, Inc. (with Mr. Dodd as the business owner)

**Address:** 389 Frey Road, Dallas, GA 30132

**Period in this position:** From May 1994 to August 1998

**Position title:** Fisheries Ecologist, President

As the owner and operator of his own ecological services consultancy, Mr. Dodd was primarily recognized as a provider of professional fisheries investigation services. The diversity of project needs arose from fish biomonitoring needs in NPDES permit compliance for the pulp and paper industry - to the need for reliable fish community inventories for a host of clients required to perform ecological risk assessments in a variety of habitats - to pond and lake management services for private lake owners. Among his accomplishments as a fisheries professional at AES, Mr. Dodd successfully completed fisheries investigations and technical reports for other consulting companies in freshwater and coastal environments in a number of locations geographically ranging between Texas to New York. While the President of AES, Mr. Dodd was a member of the Georgia Fisheries Workers Association and the Georgia Chapter of the American Fisheries Society.

**Employer:** Exponent headquartered in Bellevue, Washington

**Address:** 5375 SE 30th Place, Suite 250 Bellevue, WA 98007

**Period in this position:** From August 1998 to August 1999

**Position title:** Aquatic Ecologist

Mr. Dodd was hired by Exponent specifically for his fisheries expertise. Exponent provided sources of work for Mr. Dodd to apply his biological investigation skills and knowledge of fisheries biology at sites/locations distributed throughout the eastern U.S., each requiring some level of aquatic resources damages assessment. Mr. Dodd performed fish community investigations, fish tissue assessment, and technical report products for investigation sites stemming from the gas pipeline industry, petroleum manufacturing, legacy pollutant sites usually associated with former MGPs (manufactured gas plants), and the pulp and paper industry (Fox River Valley – PCB and dioxin investigations). Mr. Dodd performed fisheries sampling in coastal and freshwater habitats using a variety of gear types and techniques. Mr. Dodd was a holder of several state scientific collection permits in order to provide fisheries work dependent upon job location. While at Exponent, Mr. Dodd was a member of the Georgia Fisheries Workers Association and the Georgia Chapter of the American Fisheries Society.

**Employer:** Ogden Environmental and Energy Services, Inc.

**Address:** 1395 South Marietta Parkway, Building 300, Suite 210, Marietta, GA 30067

**Period in this position:** From August 1999 to August 2000

**Position title:** Ecologist

Between 1999 and 2000, Mr. Dodd served the role of a principal fisheries and aquatic ecology investigator at Ogden. He was responsible for project design, data collection and analysis, and producing technical report findings. As the focus of this Ogden group was in water resources, Mr. Dodd's role as an experienced fisheries and aquatic investigator often overlapped into peripheral projects involving studies including technical literature search and review of PCB's (polychlorinated biphenol) in fishes and sediments of the Coosa River system subject to regulated fish harvest and/or fish tissue consumption guidance (General Electric); fish, benthic macroinvertebrate, and amphibian assessment in habitats impacted by legacy pollutants such as heavy metals and coal tar constituents on the Mauldin River near Boston Massachusetts for Massachusetts Electric and on the Oconee River in Athens, Georgia for Georgia Power Company and in a wetland system near Valdosta, Georgia for Atlanta Gas Light Company; assessment of residual contaminants in fish tissue from hazardous waste sites and Kraft-paper mills in Georgia; investigations of total daily maximum load (TMDL) of mercury in aquatic habitats (Olin Corporation); and assessment of riparian condition in wadeable, urban streams as a component of FEMA floodplain mapping investigations (Fulton County, Georgia). Mr. Dodd provided consultation to non-biologist employees in other office locations of the firm when question arose concerning implementation of fisheries or other aquatic sampling needs outside of the region. Mr. Dodd was a holder of several state scientific collection permits in order to provide fisheries work dependent upon job location. While at Ogden, Mr. Dodd was a member of the Georgia Fisheries Workers Association and the Georgia Chapter of the American Fisheries Society.

#### **Recent Administrative Reports:**

Cheek, T., Dodd, A.R., C. Krachon, and S. Layman. 2007. Preliminary report of fish impingement mortality at the Plant Mitchell Steam Electric Generating Facility, Albany, GA. Produced for Georgia Power Company, Environmental Affairs, Atlanta, GA 30308 by Geosyntec Consultants, Inc., Kennesaw, GA 30144.

Cheek, T., A.R. Dodd, C. Krachon, and S. Layman. 2007. Preliminary report of fish impingement mortality at the Plant McManus Steam Electric Generating Facility, Brunswick, GA. Produced for Georgia Power Company, Environmental Affairs, Atlanta, GA 30308 by Geosyntec Consultants, Inc., Kennesaw, GA 30144.

Dodd, A.R., Cheek, T. 2006. Biological survey of the Miner Shoal Bypass Reach, Soque River. Miner Shoal Waterpower Project, FERC Project No. 12492-000. Produced for Ha-Best, Inc, Cleveland, GA 30528 by Geosyntec Consultants, Inc., Kennesaw, GA.

Cheek, T, A.R. Dodd, and C. Krachon. 2006. Final Draft: Preliminary report of fish impingement mortality at the A.M. Williams Steam Electric Generating Station, Goose

Creek, SC. Produced for SCANA South Carolina Electric and Gas Company, Inc., Goose Creek, SC by Geosyntec Consultants, Inc., Kennesaw, GA 30144.

Cheek, T, A.R. Dodd, and C. Krachon. 2006. Final Draft: Preliminary report of fish impingement mortality at the Virgil C. Summer Nuclear Station, Jenkinsville, SC. Produced for SCANA South Carolina Electric and Gas Company, Inc., Jenkinsville, SC by Geosyntec Consultants, Inc., Kennesaw, GA 30144.

### **Recent Technical Posters**

Application of Multimetric Bioassessment Techniques in a 316(a) Demonstration at Georgia Power Company's Plant Branch, Lake Sinclair, Georgia. T.E. Cheek, A. R. Dodd, and R.G. King, Geosyntec Consultants, Inc, and S. Hendricks and B. Evans, GA Power Co. June 2007, Atlanta, GA, **4th International Reservoir Symposium, *Balancing Fisheries Management and Water Uses for Impounded River Systems***

Hydroacoustic assessment of fish abundance and distribution in relation to a thermal discharge to support a 316(a) demonstration at Georgia Power Company's Plant Branch, Lake Sinclair, Georgia. January 23 - 25, 2007, Caroline Doksansky and Anthony Dodd Geosyntec Consultants, Inc., Water and Natural Resources Practice

### **Recent Presentations**

Plants Hammond, McManus, and Mitchell Phase II 316(b) Compliance

Representatives of Georgia Power Company, Southern Company, and client council hosted at Georgia Power's Meeting Facility, Atlanta, GA

First year progress report: Plant Branch 316(a) demonstration fish community multi-metric assessment.

Georgia Power Company and client council hosted at Geosyntec's Corporate Meeting Facility