## Exhibit SNC 000013

## Literature References for EC 1.2 Testimony by Dr. Charles C. Coutant

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- Adams, S. M., G. F. Cada, M. S. Greeley, Jr., and L. R. Shugart. 1993. Evaluating effects of environmental stress on fish communities using multiresponse indicators. Pages 170-177. In: S. G. Hildebrand and J. B. Cannon, editors. Environmental Analysis: The NEPA Experience. Lewis Publishers. CRC Press, Boca Raton, Florida.
- Arnett, M. 2001. Savannah River biological surveys for Westinghouse Savannah River Company. Prepared for WSRC by Patrick Center for Environmental Research, Academy of Natural Sciences, Philadelphia, Pennsylvania.
- Atlantic States Marine Fisheries Commission. 1998. American shad and Atlantic sturgeon stock assessment peer review. Terms of reference and advisory report. Washington, DC.
- Banks, R. L. 1994. Elements of consensus on American shad management in the stretch of Savannah River between Strom Thurmond (Clark's Hill) Dam and Augusta. U. S. Fish and Wildlife Service, Charleston, South Carolina.
- Bruns, D. A., C. S. Staley, R. C. Rope, and K. S. Moor. 1993. An ecosystem approach to ecological characterization in the NEPA process. Pages 103-125. In: S. G. Hildebrand and J. B. Cannon, editors. Environmental Analysis: The NEPA Experience. Lewis Publishers. CRC Press, Boca Raton, Florida.
- Caldwell, L. K. 1993. Achieving the NEPA intent: New directions in politics, science, and law. Pages 12-21. In: S. G. Hildebrand and J. B. Cannon, editors. Environmental Analysis: The NEPA Experience. Lewis Publishers. CRC Press, Boca Raton, Florida.
- Collins, M. R., W. C. Post, D. C. Russ, and T. I. J. Smith. 2002. Habitat use and movements of juvenile shortnose sturgeon in the Savannah River, Georgia-South Carolina. Transactions of the American Fisheries Society 131:975-979.
- Collins, M. R., S. G. Rogers, and T. I. J. Smith. 1996. Bycatch of sturgeons along the southern Atlantic coast of the USA. North American Journal of Fisheries Management 16:24-29.
- Collins, M. R., and T. I. J. Smith. 1997. Distributions of shortnose and Atlantic sturgeons in South Carolina. North American Journal of Fisheries Management 17:995-1000.
- Coutant, C. C., M. S. Bevelhimer, and G. F. Cada. 2000. Technical evaluation of the utility of intake approach velocity as an indicator of potential adverse environmental impact under Clean Water Act section 316(b). Technical Report 1000731. EPRI, Palo Alto, California.
- Duncan, W. W., and E. M. EuDaly. 2003 Draft Fish and Wildlife Coordination Act report on Savannah River Basin Comprehensive Study. U. S. Fish and Wildlife Service, Southeast Region, Atlanta, Georgia.
- Duncan, W. W., M. C. Freeman, C. A. Jennings, and J. T. McLean. 2003. Considerations for flow alternatives that sustain Savannah River fish populations. Proceedings of the 2003 Georgia Water Resources Conference, K. J. Hatcher, editor. The University of Georgia, Athens.
- E. I. DuPont de Nemours & Co. 1987. Comprehensive cooling water study, Volume V. Aquatic ecology. DP-1739-5. W. L. Specht, editor. Savannah River Laboratory, Aiken, South Carolina.
- EuDaly, E. M. 1999. Reconnaissance planning aid report on Savannah River Basin Study. U. S. Fish and Wildlife Service, Southeast Region, Atlanta, Georgia.

- Freeman, B. J., and M. C. Freeman. 2001. Criteria for suitable spawning habitat for the robust redhorse *Moxostoma robustum*. Institute of Ecology and Museum of Natural History, University of Georgia for U. S. Fish and Wildlife Service.
- Georgia Department of Natural Resources. 2005. Striped bass harvest now allowed on the Savannah River. Press release. <a href="www.gofishgeorgia.com">www.gofishgeorgia.com</a>.
- Georgia Power. 2008a. Entrainment assessment at the Plant Vogtle Electric Generating Plant, Waynesboro, Georgia. Prepared for Southern Nuclear Operating Company, Nuclear Development, Birmingham, Alabama.
- Georgia Power. 2008b (draft). Impingement assessment at the Plant Vogtle Electric Generating Plant, Waynesboro, Georgia. Prepared for Southern Nuclear Operating Company, Nuclear Development, Birmingham, Alabama.
- Gerrard, M. B. 1993. Judicial review of scientific evidence in environmental impact statements. Pages 30-41. In: S. G. Hildebrand and J. B. Cannon, editors. Environmental Analysis: The NEPA Experience. Lewis Publishers. CRC Press, Boca Raton, Florida.
- Grabowski, T. B., and J. J. Isely. 2007. Effects of flow fluctuations on the spawning habitat of a riverine fish. Southeast Naturalist 6:471-478.
- Grabowski, T. B., and J. J. Isely. 2008. Size of spawning population, residence time, and territory shifts of individuals in the spawning aggregation of a riverine catostomid. Southeastern Naturalist 7:475-482.
- Griggs, T. E. 2003. Diel movements of hatchery-reared and wild shortnose sturgeon in the Savannah River, South Carolina. MS thesis, Clemson University.
- Hall, J. W., T. I. J. Smith, and S. D. Lamprecht. 1991. Movements and habitats of shortnose sturgeon, *Acipenser previrostrum*, in the Savannah River. Copeia 1991:695-702.
- Hildebrand, S. G., and J. B. Cannon. 1993. Environmental Analysis: The NEPA Experience. Lewis Publishers. CRC Press, Boca Raton, Florida.
- International Atomic Energy Agency. 1980. Environmental effects of cooling systems. Technical Reports Series No. 202. Vienna.
- Kynard, B. 1997. Life history, latitudinal patterns, and status of the shortnose sturgeon, *Acipenser brevirostrum*. Environmental Biology of Fishes 48:319-334.
- Majewski, W., and D. C. Miller, editors. 1979. Predicting effects of power plant oncethrough cooling on aquatic systems. Technical Papers in Hydrology 20. UNESCO, Paris.
- McFarlane, R. W., R. F. Frietsche, and R. D. Miracle. 1978. Impingement and entrainment of fishes at the Savannah River Plant. An NPDES 316(b) demonstration. U. S. Department of Energy Report DP-1494, E. I. DuPont de Nemours & Co., Aiken South Carolina.
- Muska, C. F., and R. A. Matthews. 1983. Shortnose and Atlantic sturgeon in the Savannah River. DPST-83-753. E. I. DuPont de Nemours & Co., Aiken, South Carolina
- National Marine Fisheries Service. 1998. Final recovery plan for the shortnose sturgeon *Acipenser brevirostris*. Department of Commerce, Washington, DC.
- Nichols, M. C. 1983. Vogtle Electric Generating Plant Survey of the drifting macroinvertebrates of the Savannah River, Burke County, Georgia, from September

- 1980, through August, 1981. Operating license stage environmental report technical document. Georgia Power Company, Environmental Affairs Center.
- Nichols, M. C. 2003. Conservation strategy for robust redhorse (Moxostoma robustum). Environmental Laboratory, Georgia Power Company for Robust Redhorse Conservation Committee.
- Paller, M. H., J. O'Hara, D. V. Osteen, W. Specht, and H. Kania. 1984. Annual report on the Savannah River aquatic ecology program September 1982 to August 1983,
  Volume I. DPST-84-252. Environmental and Chemical Sciences, Inc. for Savannah River Laboratory, E. I. DuPont de Nemours & Co., Aiken, South Carolina.
- Paller, M. H., J. O'Hara, and D. V. Osteen. 1985. Annual report on the Savannah River aquatic ecology program September 1983 to August 1984, Volume II.
  Ichthyoplankton. DPST-85-377. Environmental and Chemical Sciences, Inc. for Savannah River Laboratory, E. I. DuPont de Nemours & Co., Aiken, South Carolina.
- Paller, M. H., B. M. Saul, and D. V. Osteen. 1986. Distribution and abundance ofichthyoplankton on the mid-reaches of the Savannah River and selected tributaries. Environmental and Chemical Sciences, Inc. for Savannah River Laboratory, E. I. DuPont de Nemours & Co., Aiken, South Carolina.
- Paller, M. H. 1990. Entrainment sampling at the Savannah River Site (SRS) Savannah River water intakes (1991). WSRC-TR-90-497. Westinghouse Savannah River Company, Aiken, South Carolina.
- Paller, M. H., R. C. Tuckfield, and W. M. Starkel. 1995. Statistical methods for detecting ichthyoplankton density patterns that influence entrainment mortality. WSRC-MS-95-0122. Westinghouse Savannah River Company, Aiken, South Carolina.
- Paller, M. H., 1992. The influence of Savannah River discharge and changing SRS cooling water requirements on the potential entrainment of ichthyoplankton at the SRS Savannah River intakes. WSRC-RP-92-1001. Westinghouse Savannah River Company, Aiken, South Carolina.
- Seabrook, C. 2004. Green light on fish highway: Savannah River flow plan aims to aid migratory species. Atlanta Journal Constitution, Atlanta, Georgia.
- Smith, T. I. J., J. W. McCord, M. R. Collins, and W. C. Post. 2002. Occurrence of stocked shortnose sturgeon Acipenser brevirostrum in non-target rivers. Journal of Applied Ichthyology 18:470-474.
- Stalnaker, C. B. 1993. Fish habitat evaluation models in environmental assessments. Pages 140-162. In: S. G. Hildebrand and J. B. Cannon, editors. Environmental Analysis: The NEPA Experience. Lewis Publishers. CRC Press, Boca Raton, Florida.
- The Nature Conservancy. 2006. Corps of Engineers, The Nature Conservancy Partner to protect natural diversity of the Savannah River through strategic dam development. <a href="http://nature.org/wherewework/northamerica/states/georgia/press/parss2306.html">http://nature.org/wherewework/northamerica/states/georgia/press/parss2306.html</a>
- U. S. Department of Energy. 1997. Final environmental impost statement, Shutdown of the river water system at the Savannah River Site. DOE/EIS-0268. Savannah River Operations Office, Aiken, South Carolina.
- Wike, L. D. 1998. Potential effect of increased SRS river water withdrawals on the Savannah River shortnose sturgeon population. Westinghouse Savannah River Company Report WSRC-TR-98-00424, Aiken, South Carolina.
- Wiltz, J. W. 1983. Vogtle Electricity Generating Plant Savannah River larval fish study, Burke County, Georgia from January through August, 1974. Operating license stage

environmental report technical document. Georgia Power Company, Environmental Affairs Center.