



ANS-SR TECHNICAL MEETING MARCH 22, 2018

Location: Bobby's BBQ
1897 Jefferson Davis Highway
Warrenville, SC 29851
(706) 426-8212

Attendance: 35 **Presenter:** Charles (Chuck) Goergen, Nu-Clear Vision Consulting

Tonight's speaker was Charles "Chuck" Goergen who spoke on "The Manhattan Project and the Origin of the DOE Complex." Chuck Goergen is a chemist with more than forty years of experience in nuclear material processing/separations. He came to the Savannah River Site in 1975 and worked in Analytical Laboratories before joining Operations in 1981. At his retirement in 2011 he was deputy to the Vice-President for Nuclear Materials Operations. He has consulted since as Nu-Clear Vision Consulting.

His materials experience covers ^{238}Pu , ^{239}Pu , ^{242}Pu , ^{237}Np , ^{233}U , HEU, LEU, NU, DU, ^{241}Am , ^3H , Spent Fuel, fission and activation products, and Waste (high, medium, and low level liquid systems). He participated in design reviews of nuclear facilities: MFFF (MOX), WSB, CMRR, UPF, New ^{238}Pu Production for NASA, and the Domestic Uranium Enrichment Centrifuge Program. He has international Nuclear Safeguards and nonproliferation expertise reviewing the Rokkasho Plant and US-Russian Plutonium Production Reactor Agreement inspections. He spent one year on loan to DOE's Office of Nuclear Weapons in 1994. He has made presentations on nuclear processing, SRS history, and nuclear material safety. He has a B.S. in Chemistry from the University of Detroit.

Contrary to popular belief he did not work on the Manhattan Project. Chuck's presentation discussed the formation of the first sites that would become the DOE complex during World War II. These included Oak Ridge, Hanford, Los Alamos, and University of Chicago/Argonne. While much Manhattan Project attention is typically placed on Los Alamos and Oak Ridge, Chuck made sure to speak on Hanford at length and about both White Sands Range and Fermi's labs at University of Chicago.

He then spoke to the post-war development of the other DOE sites within the weapons complex – Lawrence Livermore, Sandia, Nevada Test Site, White Sands Missile Range, Argonne, Idaho, Rocky Flats, Pantex, and our own Savannah River Site. It was a good historical topic with plenty of Chuck's levity and wit.



ANS

