Fukushima – Daiichi
Revitalization of the Local Area and Economy

WASTE MANAGEMENT 2017 CONFERENCE

PHOENIX, AZ

March 7, 2017

Where did Community Reuse Organizations come from?

- Section 3161 of the Defense Authorization Act of 1993 initiated the creation of "Community Reuse Organizations" across the US in response to the negative social and economic impacts of workforce restructuring

- DOE made a commitment to provide financial assistance for economic development and site reuse activities developed by the affected communities

- 15 CROs were formed across the US

Community Reuse Organization Function

Community Reuse Organization - accepts and dispositions excess personal and real properties from US DOE for the purpose of industrial, economic, commercial, and civic development within a designated area.
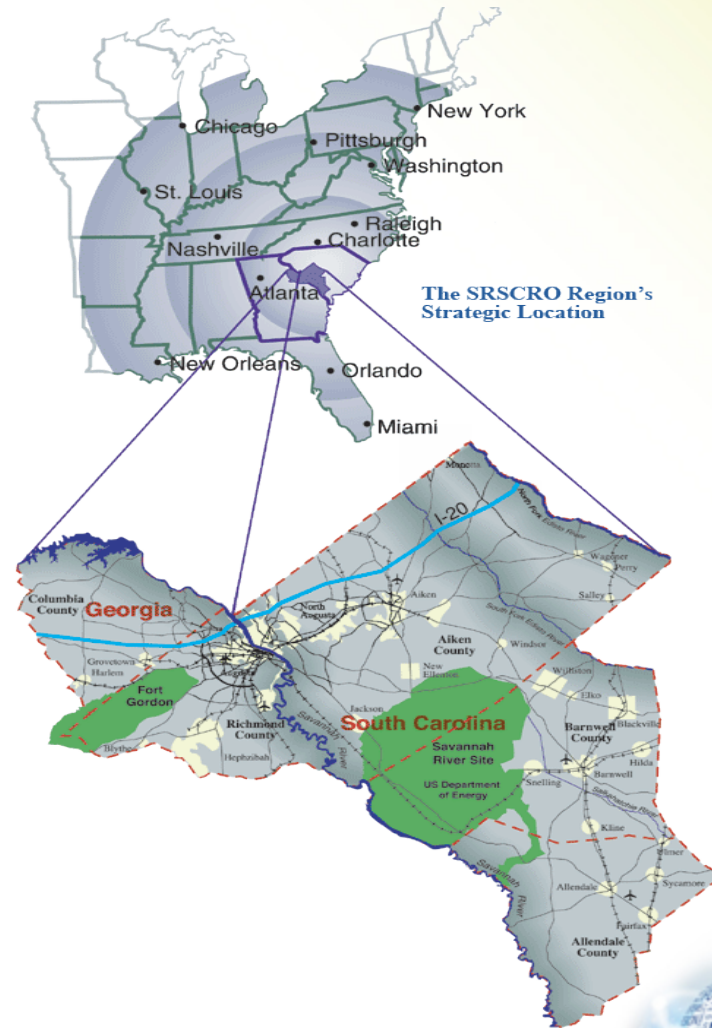
A Regional Focus

- **Board = 22 members (11 from each state)**

- **Five Counties, Two States**

- **Designated by DOE-SR as the CRO for SRS**

- **Private Non-Profit 501(c)(3)**

- **Funding – Non-Federal Operating Dollars**

The SRSCRO Region's Strategic Location

SRSCRO Purpose

- Promoting the **common economic interests and benefits** of the residents, businesses and industries and to stabilize the economy with balanced growth throughout the service area

- Obtaining **maximum utilization of other physical and human resources at SRS** and other regional facilities and institutions through existing and new programs

- Helping to **expand existing businesses and industries**

- **Assisting local economic development entities in recruiting new companies to locate in the service area, while protecting the existing quality of life** in the service area and neighboring areas through economic growth and creation of job opportunities

Unique Nuclear Region

SCANA (VC Summer)
- *1 Operating Unit*
- *2 AP 1000 Units in construction*

Southern Company (Plant Vogtle)
- *2 Operating Unit*
- *2 AP 1000 Units in construction*

Savannah River Site (SRS)
- *Savannah River Nuclear Solutions*
- *Savannah River Remediation*
- *CB&I Project Services Group*
- *Parsons*
- *Department of Energy – EM*
- *NNSA*

SRSCRO Focus Areas

- **Economic Development**
  - Asset Revitalization

- **Workforce**
  - Nuclear Workforce Initiative (NWI®)
  - Regional Workforce

- **Community Voice**
  - SRS Activities and New Missions

Managing SRS Excess/Surplus Assets

SRSCRO Revitalization Initiatives

- **Infrastructure Improvement**
  - "One-Time" Disbursement of $1 million in 2014 ($200,000 per County) to SRSCRO recognized Economic Development Entity in each County.

- **Economic Development**
  - $50,000 per SRSCRO County per year ($250,000 total – per year) to SRSCRO recognized Economic Development Entity in each County. Such funds must be leveraged or matched 50/50.

- **Workforce Education and Training**
  - SRSCRO sponsored initiatives in workforce education and training, such as the Nuclear Workforce Initiative (NWI®) and Regional Workforce Study & Summit

- **Community Issues**
  - Whitepapers, Studies, and Reports and (i.e., SRS Infrastructure Needs, SRS Economic Impact Study, Comprehensive Fuel Cycle Research Study);
  - Public Forums and Community Exchanges (i.e., SRS Budget Forum, ECA Peer Exchange);
  - Meetings (i.e., Local, State and Federal level meetings on SRS community issues).

- **Asset Revitalization and SRS Reindustrialization**
  - SRSCRO financial resources on self-performed asset removal projects and potential reindustrialization efforts.

Education Philosophy

We have an obligation to ensure that people of our region develop the skills needed for jobs in our region.
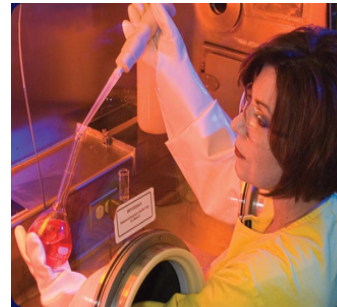
Growing Our Own Through Collaboration®

Things in Common

Southern Sayings

- **Well, shut my mouth.** (shocked and speechless)
- **Like two peas in a pod.** (act and think alike)
- **Even a blind hog finds an acorn now and then.** (everyone is sometimes lucky)
- **Every dog should have a few fleas.** (no one is perfect)
- **Bless your heart.** (passive-aggressive way to call you an idiot
- **"Y'all ain't from around here, now are ya?"** (you're not a Southerner)

Japanese Sayings

- **自業自得** *"One's act, one's profit."*
- **我田引水** *"Pulling water to my own rice paddy."*
- **悪因悪果** *"Evil cause, evil effect."*
- **一期一会** *"One life, one encounter."*
- **弱肉強食** *"The weak are meat; the strong eat."*
- **猿も木から落ちる。** *"Even monkeys fall from trees."*

Things In Common

Things In Common

Things In Common

Working Together via Partnerships

News from Savannah River National Laboratory

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FOR IMMEDIATE RELEASE

## SRNL Joins with Japan on New Fukushima Research Project

AIKEN, S.C. (September 25, 2015) – Researchers at the Savannah River National Laboratory are collaborating with scientists in Japan to help find ways to remediate environmental areas contaminated by the Fukushima disaster. As part of this effort, they also hope to learn more about how radionuclides migrate through the environment to improve our ability to more accurately predict risk associated by radiological releases. The three-year joint project will focus primarily on the movement of plutonium and radioiodine.

"The Fukushima area provides a rare real-life glimpse of how radionuclides move through the environment. We intend to learn as much as possible from this tragic accident so that the U.S. and the international community are better prepared to deal with such accidents," explained SRNL Senior Fellow Dr. Daniel Kaplan. "This research will help predict the risk associated with accidental radionuclide releases and will provide direction for long-term remediation or stewardship of contaminated environments."

The project will involve extensive laboratory testing conducted in the U.S. and Japan and will result in a model that could be used universally to predict the fate and transport of radioiodine and plutonium. Many of the researchers have collaborated on previous projects in both countries. The U.S. team is led by Kaplan and Dr. Peter Santschi from Texas A&M University and is funded through the Department of Energy's Office of Science, Office of Biological and Environmental Research. The Japanese team is funded through multiple Japanese sources.

Water Sampling in Kami-Oguni area in Fukushima, Japan
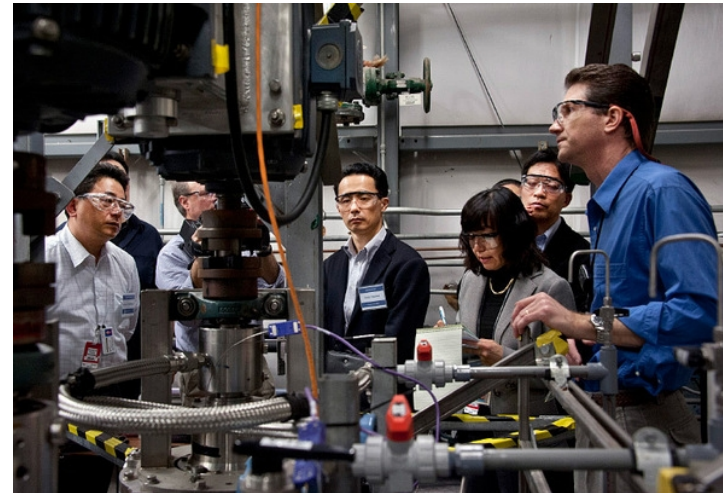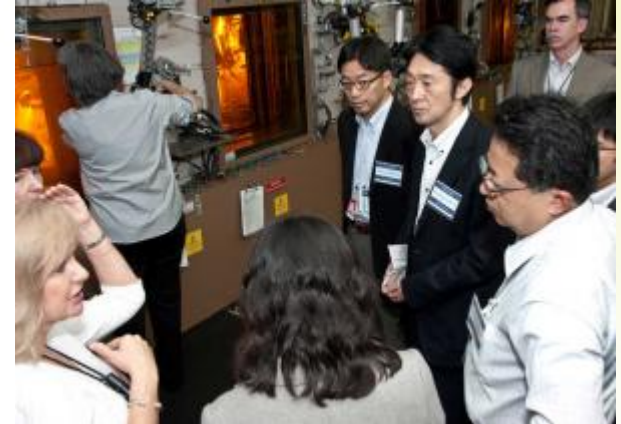
Savannah River National Laboratory
OPERATED BY SAVANNAH RIVER NUCLEAR SOLUTIONS

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Plan for Revitalization in Fukushima (The 3rd Edition)

Basic Concepts

- Building a safe, secure and sustainable society free from nuclear power

- Revitalization that brings together everyone who loves and cares about Fukushima

- A homeland we can all be proud of once again

Plan for Revitalization in Fukushima (The 3rd Edition)

Priority projects for revitalization

- **Reconstruction and revitalization of the evacuation zones**
  - Acceleration project for evacuation area
- **Living in peace and security**
  - Assistance for rebuilding livelihoods
  - Environmental restoration
  - Protecting the physical and mental health of citizens
  - Fostering the next generation

- **Work in your hometown**
  - Revival of primary industries
  - Revitalization of SMEs (Small or Medium Size Enterprises) Creating new industries
- **Rebuild towns, connect people**
  - Project to Counter Harmful Rumors and to Preserve Remembrance of the Disaster
  - Town-building for Revitalization and Exchange Network Basis Strengthening

Plan for Revitalization in Fukushima (The 3rd Edition)

Making revitalization real

- Steady implementation of the reconstruction

- Securing financial resources for reconstruction

- Strengthening cooperation with municipalities

- Cooperating with local residents

- Cooperation and collaboration with the private sector

- Harnessing of revitalization-related subsidies

Fukushima Revitalization Considerations

- Reconsider Nuclear Sector Opportunities
  - R&D Center for Decommissioning Technologies
- Continue Focus on Manufacturing (Monozukuri) Sector Opportunities
- Establish a Long-Term Funding Source
  - Excess/Surplus Asset Program with TEPCO
  - Endowment or Investment Portfolio
- Enhance Partnerships and Collaboration
- Grow Your Own
- Create Single Entity – Local Community Voice