



**Medical Isotope
Production Facility
(MIPF) Construction
Permit Application**

NRC Public Meeting
March 26, 2015

Our Mission

- Provide a reliable supply of medical diagnostic and therapeutic radioisotopes in the United States
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Agenda

Topic	Presenter
Introduction	Carmen Bigles
Project & Site Overview	Caroline Schlaseman
Design Progress	Veronica Garea
Environmental Report Progress	Vanessa Newton
QA and SGI Programs	Caroline Schlaseman
Questions	NRC Staff, Public
Conclusion	Carmen Bigles

Our Team

- ◉ **Coquí**

- ◉ U.S. company that will own and operate the MIPF

- ◉ **INVAP**

- ◉ Design Authority for the MIPF

- ◉ **Hogan Lovells**

- ◉ Nuclear regulatory and environmental attorneys

- ◉ **Gresham, Smith and Partners (GS&P)**

- ◉ Consultant for siting, environmental data collection, and environmental report (ER) preparation

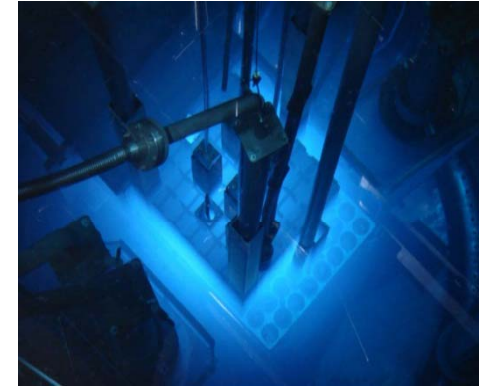
- ◉ **MPR Associates**

- ◉ Coquí Owner's Engineer and consultant

Project & Site Overview

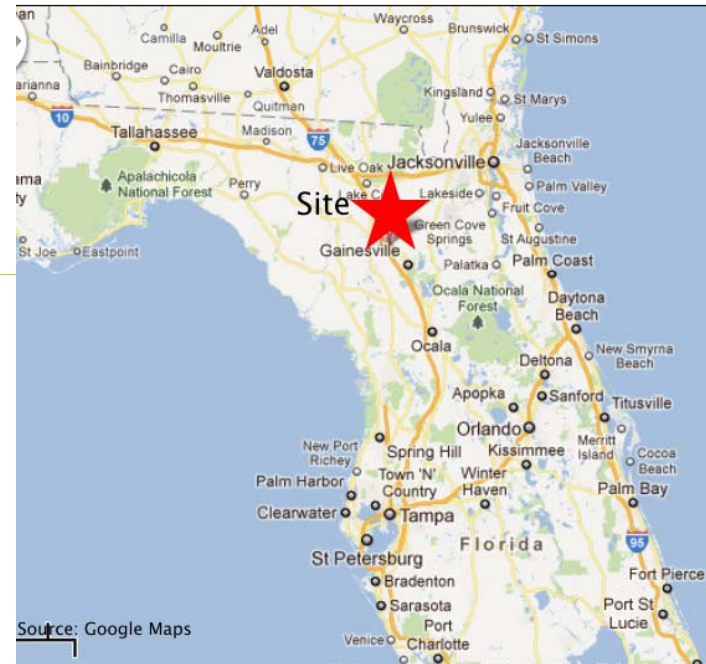
MIPF Description

- Facility includes:
 - Two pool-type low-enriched uranium (LEU) reactors
 - Radioisotope processing plant
 - Waste conditioning plant
 - Support services and administrative offices
- Designed and constructed by INVAP with proven technologies tailored to Coquí's specific needs
- LEU targets produce Mo-99 and I-131
- Planned Mo-99 capacity of MIPF is 7,000 six-day curies per week



MIPF Site

- North Central Florida
- Alachua County
- Town of Alachua
- Progress Corporate Park
- Zoned: "Corporate Park"
- Available skilled work force (University of Florida and high tech industry area)
- Nearest population center is Gainesville, FL 10 miles SE



Attractive Site Features

- January 2015 completed transaction with University of Florida Foundation for 25-acre parcel of land on which Coquí MIPF will be built

“The University of Florida Foundation is proud to be a partner in this exciting venture with Coquí RadioPharmaceuticals, a partnership that will provide opportunities for collaboration with UF engineering and medical researchers, and bolster the development of high-paying jobs and infrastructure for a biotech research park in Alachua County.”

--Tom Mitchell, Vice President for Development and Alumni Affairs at the University of Florida

- Knowledgeable local emergency responders due to University of Florida Training Reactor (UFTR)
- Existing state emergency plan due to power reactors in Florida



Attractive Site Features

- 106 feet above mean sea level
- Topography slightly sloped
- Located in Compact Region with reliable disposal of Class A, B, and C radioactive waste



View of COQUI site looking east



View of COQUI site looking southeast



View of COQUI site looking south



View of COQUI site looking southwest

Administration Building Artist's Rendering



Administration Building Artist's Rendering



Design Progress

INVAP Contract Signed

- November 2014 signed contract with INVAP to design MIPF in Alachua, FL
 - Argentine nuclear engineering firm
 - Over 30 years of nuclear development
 - Over 15 reactors and related facilities across the world, including production of medical isotopes:
 - OPAL reactor in Australia
 - ETRR-2 reactor in Egypt
 - NUR reactor in Algeria
- Coquí MIPF will use technology similar to that employed in OPAL facility in Australia

INVAP Design Milestones

- Detailed Division of Responsibilities (DOR) for Preliminary Safety Analysis Report (PSAR) sections established
- Schedule of key milestones:
 1. Preliminary Design Review Meeting—April 2015
 2. Critical Design Review Meeting—August 2015
 3. Submittal of PSAR portion of Construction Permit Application 4th Quarter 2015

Environmental Report Progress

Environmental Report

- Site environmental monitoring performed throughout last year and is continuing
- Environmental Report (ER) approximately 85% complete
- ER submittal planned for early 4th Quarter 2015 (~2 months prior to PSAR)
- ER to be subject of next NRC public meeting in May-June timeframe

QA and SGI Programs

Quality Assurance (QA)

- Coquí Quality Assurance Program Description (QAPD) developed
- MPR's initial audit of INVAP's QA program complete
 - Program complies with ANSI/ANS 15.8 per NUREG-1537
 - No audit findings; two recommendations
- Issue Rev. 0 Coquí QAPD mid-April
- Future audits to be conducted for procurement and construction phases

Safeguards Information (SGI) Program

- Coquí Safeguards Information (SGI) Program being developed
 - 10 CFR Part 37
 - 10 CFR Part 73

Questions

Conclusion

Conclusion



1. Land transfer from UF Foundation completed January 2015
2. Significant progress on MIPF design since last NRC meeting in October 2014
3. Environmental Report (ER) development on-going and will be topic of next NRC meeting in May-June
4. Progress on “enterprise” programs, e.g., QA and SGI on-going

Planning for 4th Quarter 2015 submittal of Coquí MIPF Construction Permit Application