

# RP Training and Education

## Provide Radiological Worker and Radiological Control Technician Training During the Pandemic

HPS Annual Meeting – July 2021

SAND2021-1330759



Sandia National Laboratories is a multi-mission laboratory managed and operated by National Technology & Engineering Solutions of Sandia, LLC, a wholly owned subsidiary of Honeywell International Inc., for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-NA0003525.

Radiation Protection Training and Education





# Providing RW and RCT Training During the Pandemic

## Sandia National Laboratories (SNL)

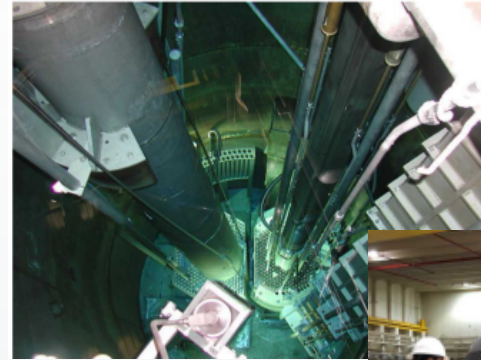
### *Strategic priorities, goals and objectives*

- *Multi-mission national security laboratory*
- *Anticipate and solve complex problems that threaten security in the 21<sup>st</sup> century.*
- *Long-range view for several decades to ensure the United States is prepared to manage future threats to national security.*

## Radiation Protection Program (RPP)

### *The purpose of SNL RPP*

- *Assure radiological activities throughout SNL are conducted in a safe and compliant manner.*
- *We are an integral part with all radioactive activities conducted by Members of the Workforce (MOWs) to include but not limited to radioactive materials and radiation generating devices (RGDs).*





# Providing RW and RCT Training During the Pandemic

## RADWORKER TRAINING BEFORE COVID19

### RADWORKER 1&2 - RGD OPERATOR

- Class Room and 2 year review classes were "IN PERSON" only
- Written Exams in person with followed on Hands-On Applied Practical Scenarios "IN PERSON" only



- Students remained masked
- Social Distance Seating
- Restricted to (4) In-person
- Disinfect desks and area
- PPE one time use
- Whole Body Frisk (face not included)

## RADWORKER TRAINING DURING COVID19

### RADWORKER 1&2 – RGD OPERATOR

- Class Room and 2 year review classes were "VIRTUAL" only. Using platforms SKYPE or MS TEAMS
- Written Exams in person with followed on Hands-On Applied Practical Scenarios "IN PERSON" only. Restricted in persona attendance to 4 + Instructor

#### Pre-Pandemic Results

- ~800 Students / year
- ~400 through RW1 or RW2

#### During Pandemic Results

**NO CHANGE**  
**NO Attributed Cases**  
**during contact tracing**





# Providing RW and RCT Training During the Pandemic

## RADIOLOGICAL CONTROL TECHNICIANS TRAINING BEFORE COVID-19

### INITIAL TRAINING *IN PERSON ONLY*

- No restrictions
- DOE CORE – SITE – Practical – Oral Board

### CONTINUING TRAINING *IN PERSON ONLY*

- No restrictions
- 36 – 40 hours per year for two years
- Usually monthly classes

## RADIOLOGICAL CONTROL TECHNICIANS TRAINING DURING COVID-19

### INITIAL TRAINING *IN PERSON & MS TEAMS*

- 6 Students + 1 Trainer MAX
- DOE CORE – SITE – Oral Board
- Graded Practical *IN PERSON ONLY*

### CONTINUING TRAINING *MS TEAMS ONLY*

- 40 RCTs in the Field – not allowed to be in person
- Hours dropped – wrote a memo to file to explain (20 hours for the year)



#### During the Pandemic:

- (2) Classes of SRCTs (7 Qualified)
- (1) Class of JRCTs (5 Qualified)



- Students remained masked
- Social Distance Seating
- Restricted to (6) In-person
- Disinfect desks and area
- Practical exercises were done in person & Oral Boards via MS TEAMS
- Set up MS TEAMS to allow for Class to continue in case of a COVID case or need to be virtual

# QUESTIONS?

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