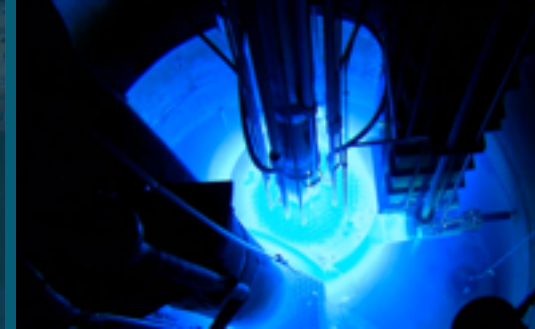


# Impacts on Sandia's CSP from Recent Revisions to DOE Standards

SAND2019-14052C



*PRESENTED BY*

John Miller

# Associated Orders and Standards



- DOE O 232.2A, Chg 1 (2019) & DOE O 151.1D, Chg 1 (2019)
- **DOE O 420.1C, Chg 2 (2018)**
- DOE O 426.2, Chg 1 (2013)
- DOE-STD-1027 (2018— Sandia still at 92-chg. 1 (~97))
- DOE-STD-1158-2010- Canceled
- **DOE-STD-3007-2017**
  - DOE-STD-1186-2016
  - DOE-STD-3009-2014 (*Sandia has other safe harbor methodologies*)

## Has 7 NCS related requirements:

- Have a Criticality Safety Program (CSP) & CSP must be approved by DOE
- Invokes ANSI/ANS-8 series standards
- Invokes DOE-STD-3007-2017
- Address fissile material accumulation control & firefighting guidance
- Satisfy the PA - with the Design Basis Events addition.

Think about which DOE Orders/Standards you interact with and how?

Desired  $\Delta$ s?

Impact to your daily job?

Opportunities to make an impact?

# Sandia's CSP



- Sandia Field Office (SFO) recently approved Sandia's CSP
  - **2019-11-08**: NCS-PDD, Rev. C. --- program description document
  - Implements **DOE O 420.1C, Chg. 2**
- Big Deal for Sandia NCS Program
  - Cumulative effort over **last 5 years** towards improved formality
  - **Small site – small team**
    - Workload balancing **&** programmatic improvements **vs.** floor support
- Required a working relationship with SFO
  - Trust based with open dialogue for balancing goals/needs

# Sandia's NCS Program Improvements (i.e., impacts)

CSP Updates - 2015, 2016, 2018 and 2019

## 2019

- Safety Committee Charter
- NCS Evaluation Procedure (3007, 8.x)
- T&Q (2017: brought into NCS Program - 8.1, 8.19, 8.26, 426.2)
- Elevation of NCS Controls (CCR process: 3007, 3009, 1186)
- Preparing SVVRs (8.1, 8.24, 3007)
- CAAS Needs Analysis (8.3, 3007)

## 2018

- CSI calculations (3007, 8.7, 10CFR 71.59)
- Annual Facility Assessments (8.1, 8.19, 1158)

2017 - De Minimis Limits (8.1, 8.15)