United Nuclear Corp. Remediation
New Haven, CT

Southern States Energy
Board Meeting
Mike Firsick
December 11, 2019
Miami, Florida

Connecticut Department of Energy and Environmental Protection
United Nuclear Corp.
UNC a Brief History

- Olin Chemical 1956-1961-
- UNC 1961-1976
- AEC/NRC License SNM 368
UNC

• Site Clean Up and Decommissioning
• 1976
• Termination of Work in New Haven
• Work Moved to:
After and Today

Photo by: Mark Capitello
www.MarkePhotographs.com
“The Mohegan Sun Casino”
UNC

- UNC Placed on NRC/ORISE Site Review List
- 1996 NRC/CT DEP Inspects Site
- Contamination in Sewer Lines Discovered
- US DOE Accepts Financial Responsibility for Clean Up
- A Characterization Plan was Written in 1998
- Reapproved in 2008
- 30 pCi/g
• September of 2011 Clean Up Begins
May of 2013 DCGL’s Approved
573 pCi/gram total U
More Contamination Found
UNC

• Submits Final Survey to NRC
• Sewer Lines Only
• ORISE Survey Results
• 2015
Summer of 2016
70 Hotspots Detected First Day
High Enriched U in Vent Ducts
Core Bores
“Artifacts” Discovered
UNC

- Extra Fencing
- New Site Characterization Plan
- Owner Concerns
- Neighbored Outreach
• Fact Sheet Developed with CT DPH
UNC
• Completion?
Questions?

Mike Firsick
Supervising Radiation Control Physicist
Michael.Firsick@ct.gov