



Am-241 Inhalation Incident

Daniel Samson – NYS DOH

Overview of Licensee

Products Manufactured

NRD Inc. - History: formerly (see also) Nuclear Radiation Developments, Inc.

NY-0502-S-106-S	07/23/86	P-001
NY-0502-D-107-G	07/23/86	P-2021, P-2031, P-2051 , P-2061
NY-0502-D-108-G	07/23/86	P-2041 , P-2042
NY-0502-D-109-G	07/23/86	P-2001, P-2002, P-2003
NY-0502-D-110-G	12/31/97	NUCLECEL IONIZER Model P-2063
NY-0502-D-111-G	11/23/09	Nuclece1 Ionizer Model P-2060 and P-2062
NY-0502-D-112-G	12/30/09	NUCLECEL IONIZER Model P-2035

Nuclear Radiation Developments, Inc. - History: see also NRD Inc.

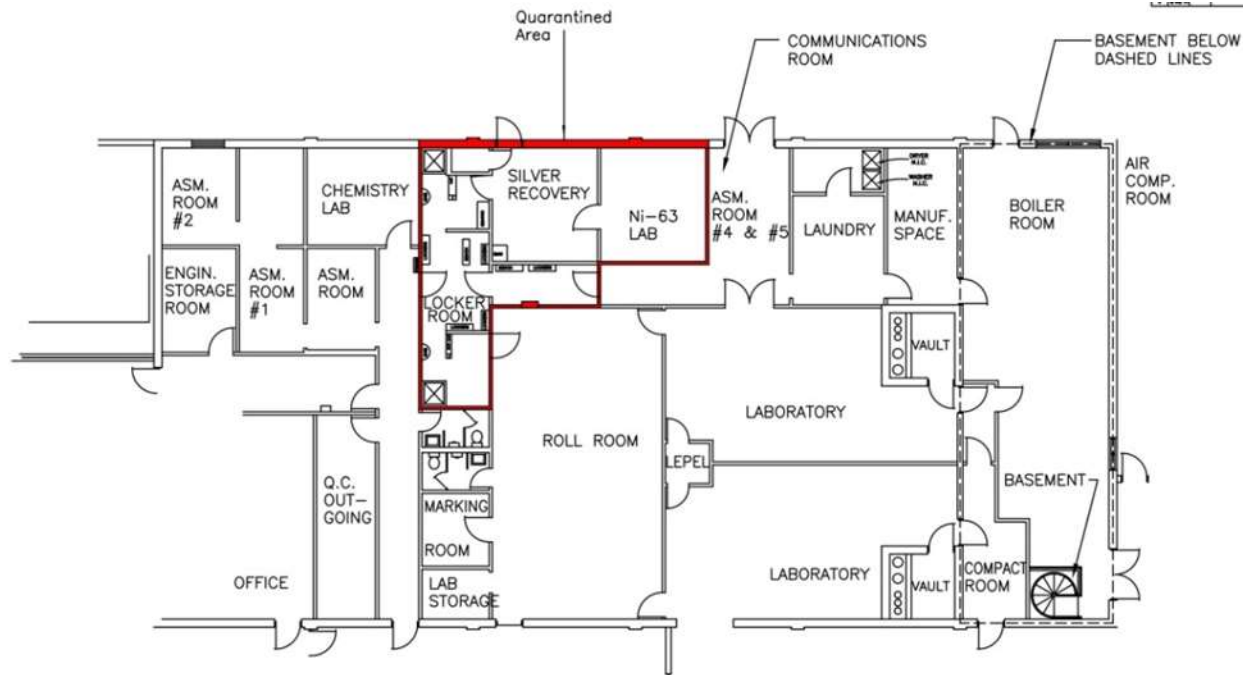
NY-0502-S-101-U	01/09/70	A-001
NY-0502-S-102-U	01/09/70	"IONOTRON"
NY-0502-S-103-U	01/09/70	N-1001
NY-0502-S-104-U	01/09/70	N-1002



Manufacturing Process

- Foil production
- Electroplating
- Rolling
- Device production

Layout of RAM production area



The Event - April Fools!

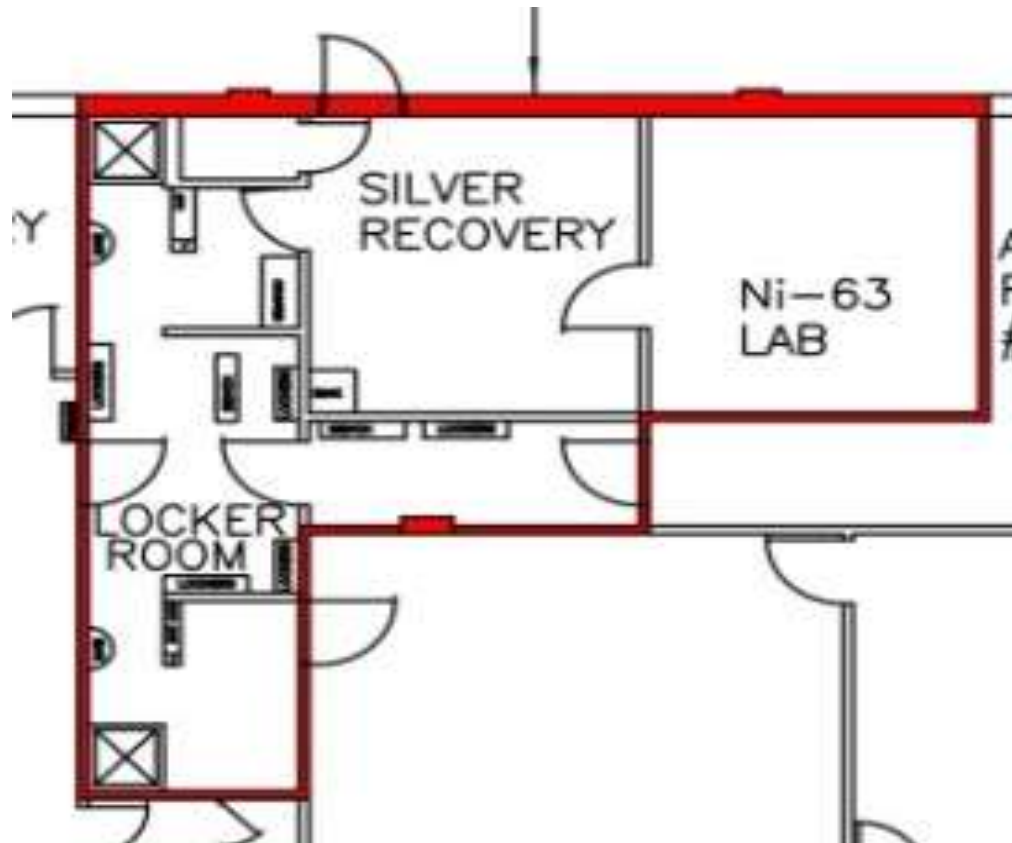
HEPA Vacuum



On-Line Description

The RIDGID 14 gallon 2-stage industrial wet dry vac has certified HEPA filtration and meets the EPA's definition of a HEPA vacuum under RRP rule for lead paint renovations. It also offers large capacity, rugged construction, and excellent mobility for pro, contractor, industrial and commercial use. The dual blower wheel is driven by an 11.5 amp motor to deliver the heavy duty, high-lift suction needed to efficiently handle the toughest wet or dry worksite or shop clean-up tasks. The 10 ft. premium locking pro-hose won't pull loose during use and is 4 times more durable than a standard hose.

Layout of Contaminated area



April 1

- Inadequate training on new procedure
- Vacuum failure
- Failure to fully appreciate seriousness of exposure
- Potentially high uptakes based on nasal swabs
- Failure to report the uptake

Calendar of Events

APRIL 2019						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20

April 3

- Initial Notification to the Department by licensee
- Notification to the Department by US Veterans Affairs
- Notification to the Department by NRC
- REACT/S notification
- DTPA availability issues
- Lost opportunity for effectiveness of DTPA
- Three affected individuals – initially
- Four individuals contaminated

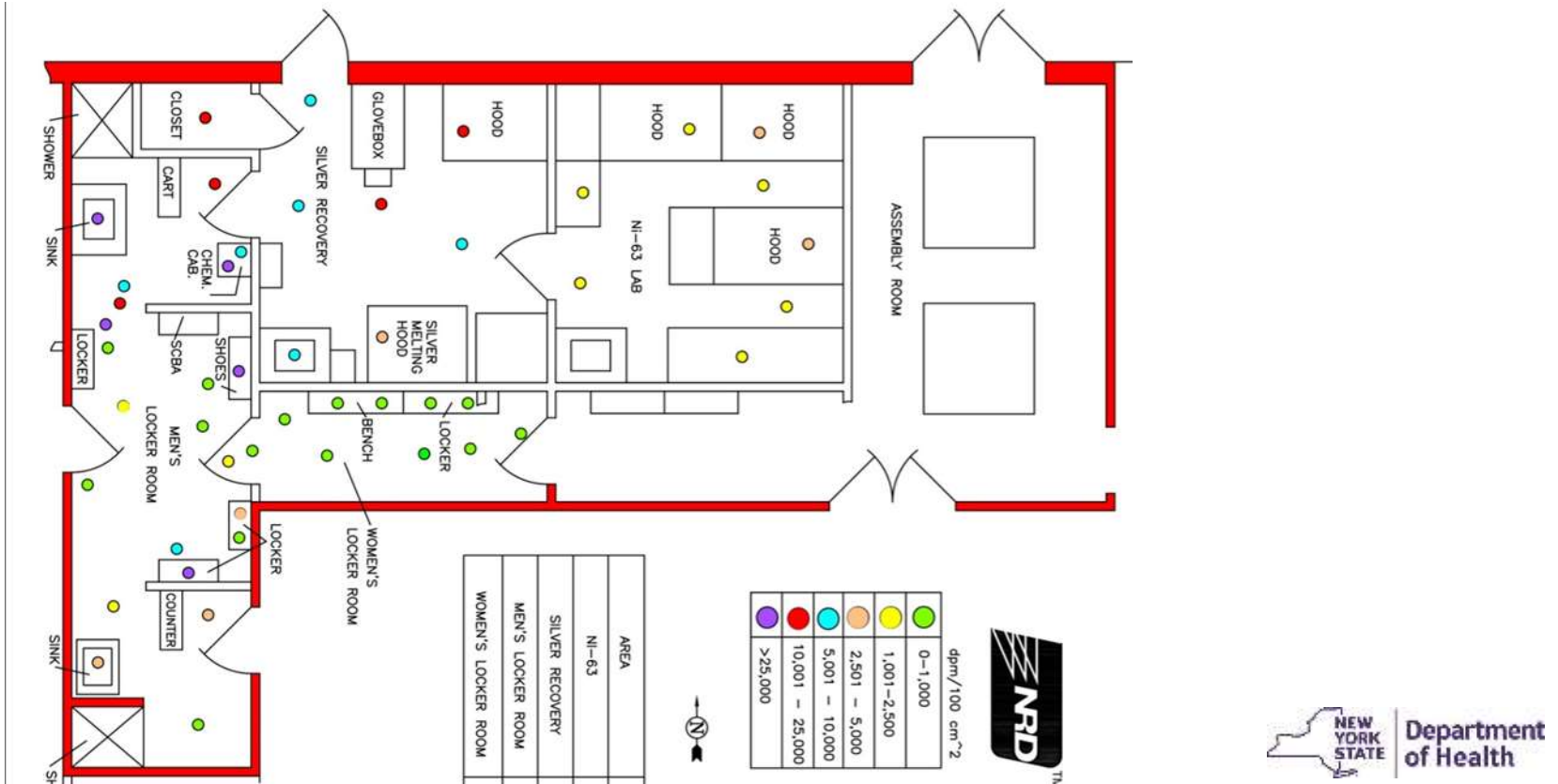
Response by NYS DOH

- Reactive Investigation by NYSDOH
- Confirmation that the area was quarantined
- Interviews of Staff involved
- Surveys outside quarantined area

Dose assessment

- Initial nasal swabs
- Urine and fecal samples
- Lung Counting
- Bone uptake?

Contamination Surveys of Affected Areas



Questions?