

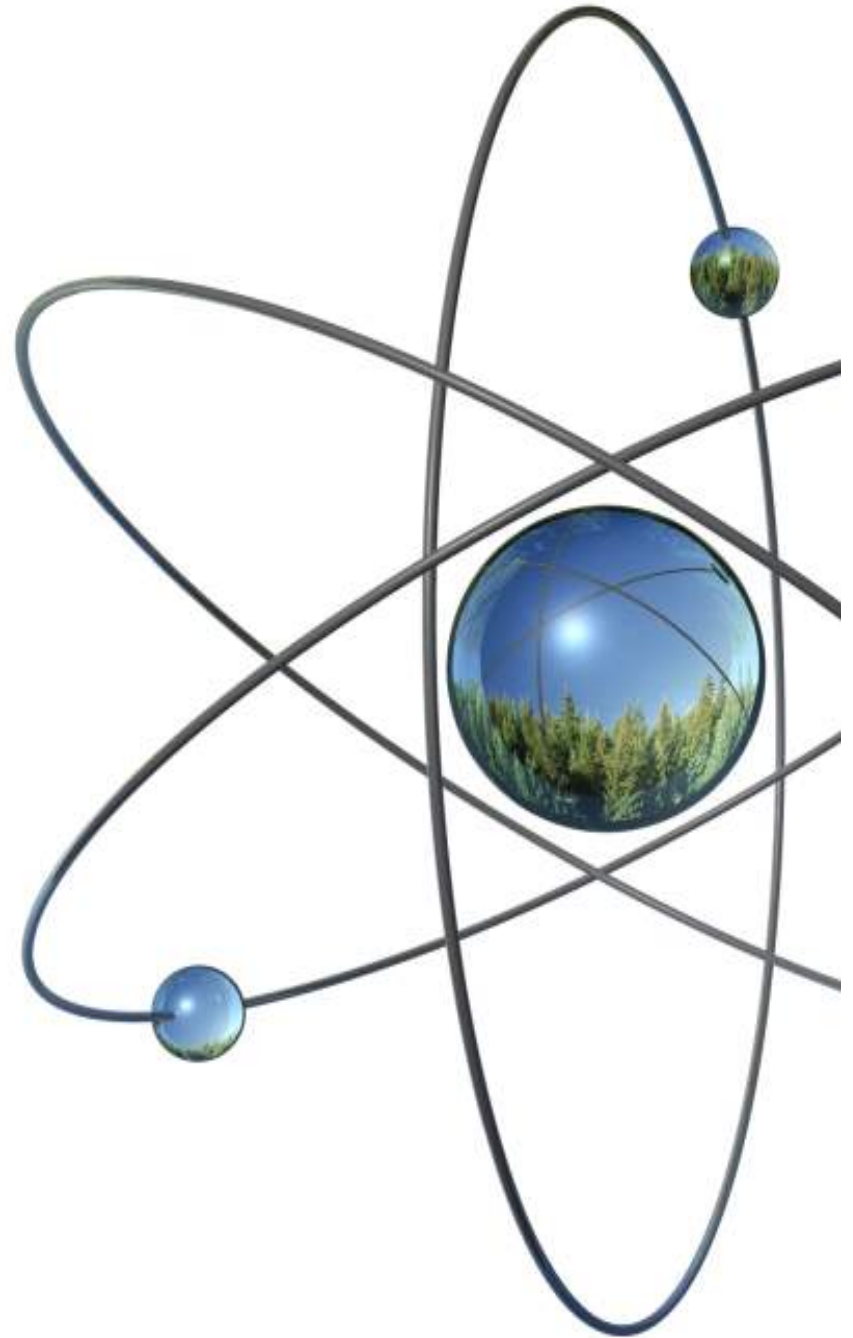
GE Hitachi Nuclear Energy

CA/NRC Visit to Vallecitos Nuclear Center

March 21, 2013



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Agenda

- Welcome & Introductions
- Vallecitos Overview
- Site Tour
- CA & NRC SNM 960 License Status
- Licensing Considerations
- Discussion



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GEH Team

Tony McFadden - VNC Site Manager

Don Krause- EHS Program Manager- VNC

Diana Hart – GEH EHS Manager

Scott Murray- GEH Licensing Manager

Charlie Vaughan- GEH Consultant

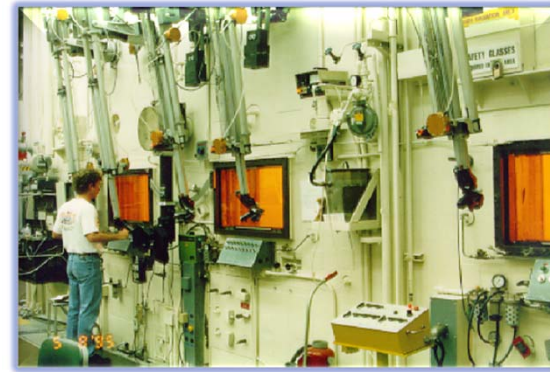
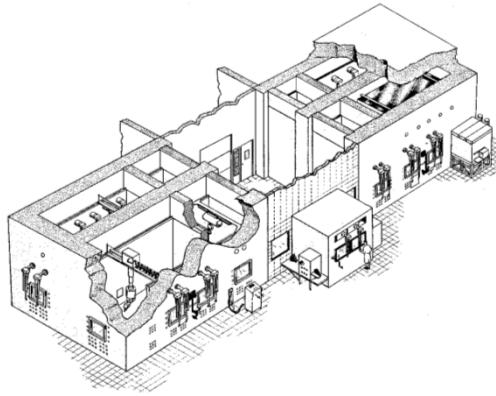


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GEH VNC Products & Services

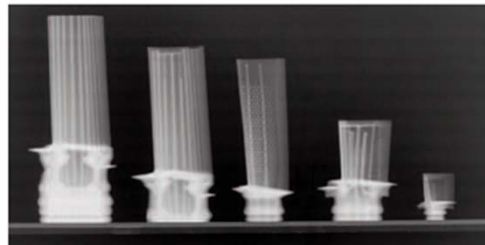
■ Medical and Industrial Sealed Source Fabrication

- Co-60: medical therapy, medical & industrial sterilization
- Cf-252: nuclear reactor startup and industrial sources



■ Neutron Radiography

- Non-destructive examination of hardware & components
- NASA, defense contractors, nuclear industry



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Site Activities

Product	Location	License	Application
Cobalt sealed source fabrication	Hotcells- 102	CA 0017-01	Medical/industrial
Neutron Radiography	NTR	R-33	NDE
Californium sealed source fabrication	Hotcells- 102	CA 0017-01	Industrial
PIE- hardware & components	Hotcells- 102	CA 0017-01	Fuel cycle
Cask Leasing	Hillside	SNM 1270	Transportation
PIE- SNM	Hotcells- 102	SNM-960	Fuel cycle

- Chart ... In order of decreasing business volume
- Additional NRC Licenses
 - Possession Only (3) ... Safstor reactors
 - Cask certificates



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Vallecitos Nuclear Center

1600 Acres Total

~ 100 Acres developed

65 GEH Employees

Rural with encroaching development



*VPP Star
Site*



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Vallecitos Nuclear Reactors

GE Test Reactor (GETR)

Vallecitos Boiling Water Reactor (VBWR)

ESADA Vallecitos Experimental Superheat Reactor (EVESR)

Nuclear Test Reactor (NTR)



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Isotopes and PIE Facilities

VNC Radioisotope Products

Cobalt 60

- Medical Therapy and Industrial Products

Californium 252

- Reactor Startup and Neutron Source

Hot Cells (Bldg 102)



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Vallecitos Nuclear Center

Waste Evaporator Plant – 304 and 349

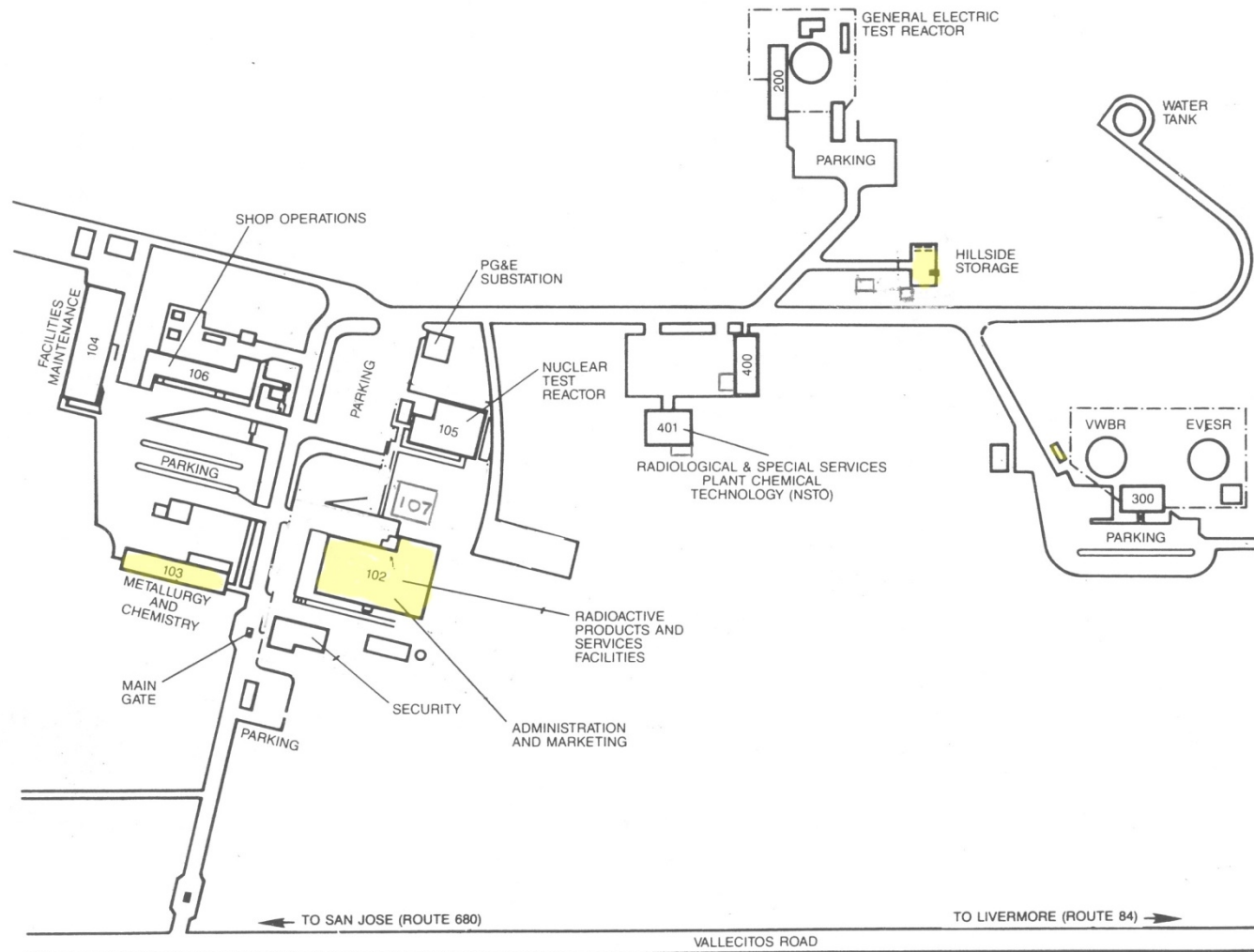
Hillside

Radiochemistry Labs (103)



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Current SNM 960 Areas



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Site Tour

- Bldg 103
- Bldg 102/Hot Cells
- NTR
- WEP/300 Area
- Hillside



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Overview - Proposed License Revisions

- Amend CA Agreement State License for SNM in quantities not sufficient to form a critical mass...10CFR150.11
- Submit SNM 960 application ... possession and storage of SNM at Hillside
- Initial discussion with CA DPH staff...May 4, 2012
- Public meeting USNRC...June 4, 2012
- Meeting with CA DPH staff...July 26, 2012

Status of Licenses

Current Status CA-017-01

- LRA initially submitted October 30, 2009
- License expired December 6, 2009 – timely renewal
- Revised LRA submitted October 10, 2012
- Revised DFP submitted November 30, 2012

Current Status SNM-960

- LRA initially submitted September 30, 2009
- License expired June 30, 2010 – timely renewal
- Revised LRA submitted November 12, 2012
- Revised DFP submitted November 30, 2012



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Licensing Considerations

- A certification of financial assurance for decommissioning has been provided to NRC that covers Hillside storage and VNC reactors
- A certification of financial assurance for decommissioning has been provided to California that covers sealed source and SNM licensed activities
- Transfer of SNM licensed activities to California license does not cease principle activities or remove any facility or portion of the site from service
- NRC Approved Site Physical Security Plan ... No changes anticipated
- Nuclear Material Control Plan ... procedures are in place and will be maintained under CA license

Licensing Considerations (Cont)

- GEH sent letter to DOE requesting their acceptance of Hillside material – DOE responded January 30, 2013
- Hillside seismic evaluation underway...expect 2Q 2013
- Consolidate SNM to Hillside location from other buildings or remove from site...material transition plan developed-expect complete 4th Qtr 2013
 - Material consolidation, package, movement Bldg 102,103 2Q 2013
 - Cleanup, survey and repost Bldg 103 3Q 2013
 - Cleanout WEP facility 3Q 2013
 - Material movement from Bldg 102 to Hillside 4Q 2013
 - Cleanup, survey and repost Bldg 102 & WEP 4Q 2013



Licensing Considerations (Cont)

- **NRC Approved Site Physical Security Plan 7/24/08**
 - Current as approved...includes changes discussed at a July 13, 2007 meeting (ML072010399)
 - Will be maintained per current SNM 960 license condition
- **Fundamental Nuclear Material Control Plan**
 - Fundamental Nuclear Material Control Plan is not required for a facility with less than 1 effective kg SNM. (reference 10CFR 74.31 and 74.51)
 - Material control procedures are in place and will be maintained



Licensing Considerations (Cont)

- **Radiological Contingency & Emergency Plan (RC&EP)**
 - Facility used 10 CFR 70.22 (i)(1)(i) and (i)(2) to demonstrate no RC&EP required
 - GE request of 4/21/89 was approved with SER by NRC 12/20/90
 - Accident potentials and consequences have remained the same or are reduced
 - The 1989 evaluation will be revisited when seismic review is complete



QUESTIONS



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Backup



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Hillside Facility and storage canister



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