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**NRC Public Meeting on the
Proposed Partial Site Release of Land
at the
GE Hitachi
Vallecitos Nuclear Center**

March 28, 2019

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**Reactor Decommissioning Branch
*Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission***



GE Hitachi Vallecitos Nuclear Center Public Meeting

This an NRC Category 3 public meeting for the purpose of discussing and obtaining public comments on a request from GE-Hitachi to release part of the controlled property of the Vallecitos Nuclear Center for unrestricted use.

- **Meeting Logistics**
- **Introduction of NRC staff**
- **Invitation to make opening introductions/statements**
- **Meeting Agenda/Presentations**
- **Comment/Question period**
- **End meeting on time at 8:30 pm**



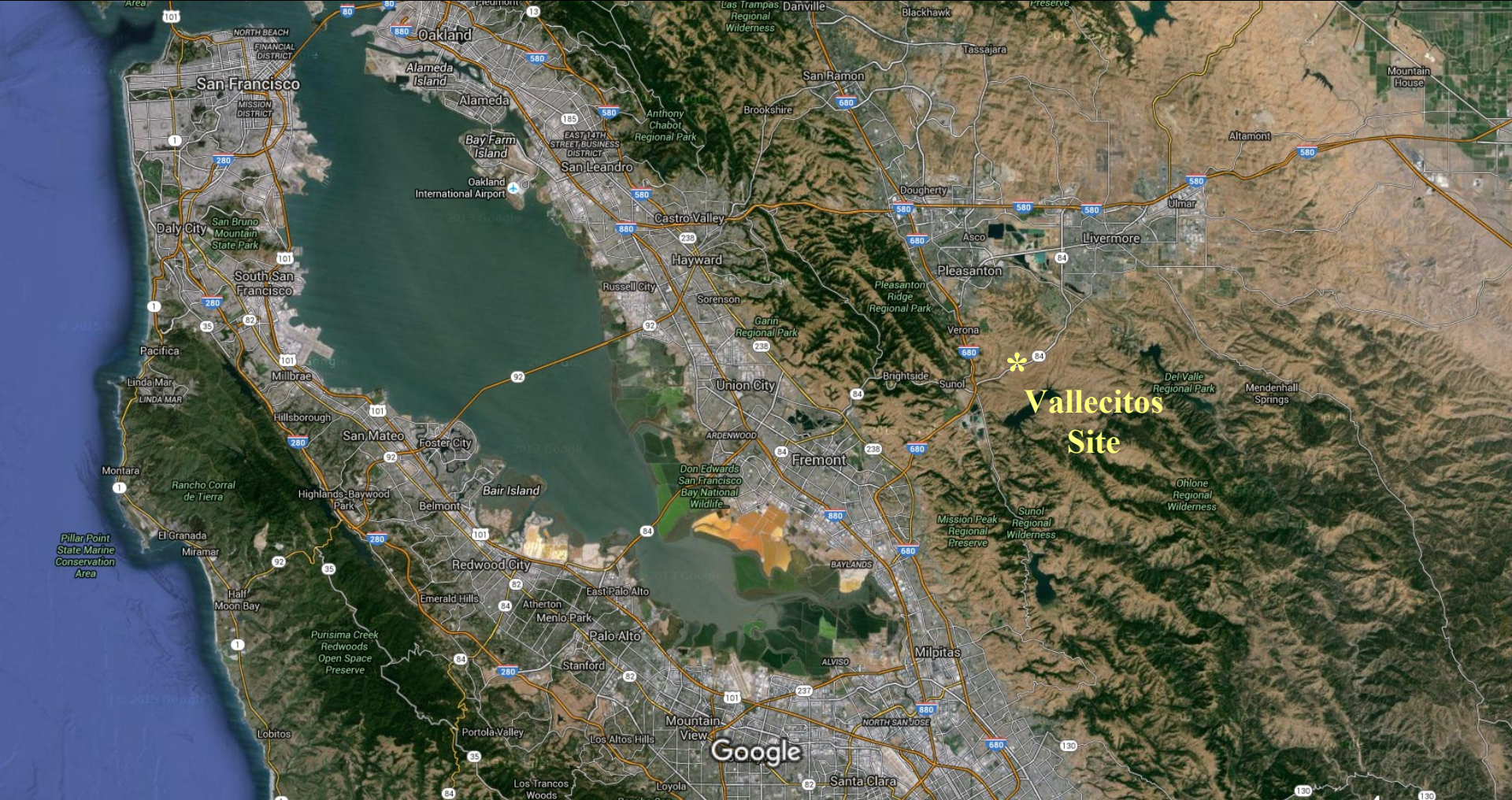
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There are two power reactors at the GE Vallecitos Nuclear Center -

- **Vallecitos Boiling Water Reactor (VBWR) – entered shutdown status in 1965**
- **ESADA Vallecitos Experimental Superheat Reactor (EVESR) – entered shutdown status in 1970**



Location of GE-Hitachi Vallecitos Nuclear Center

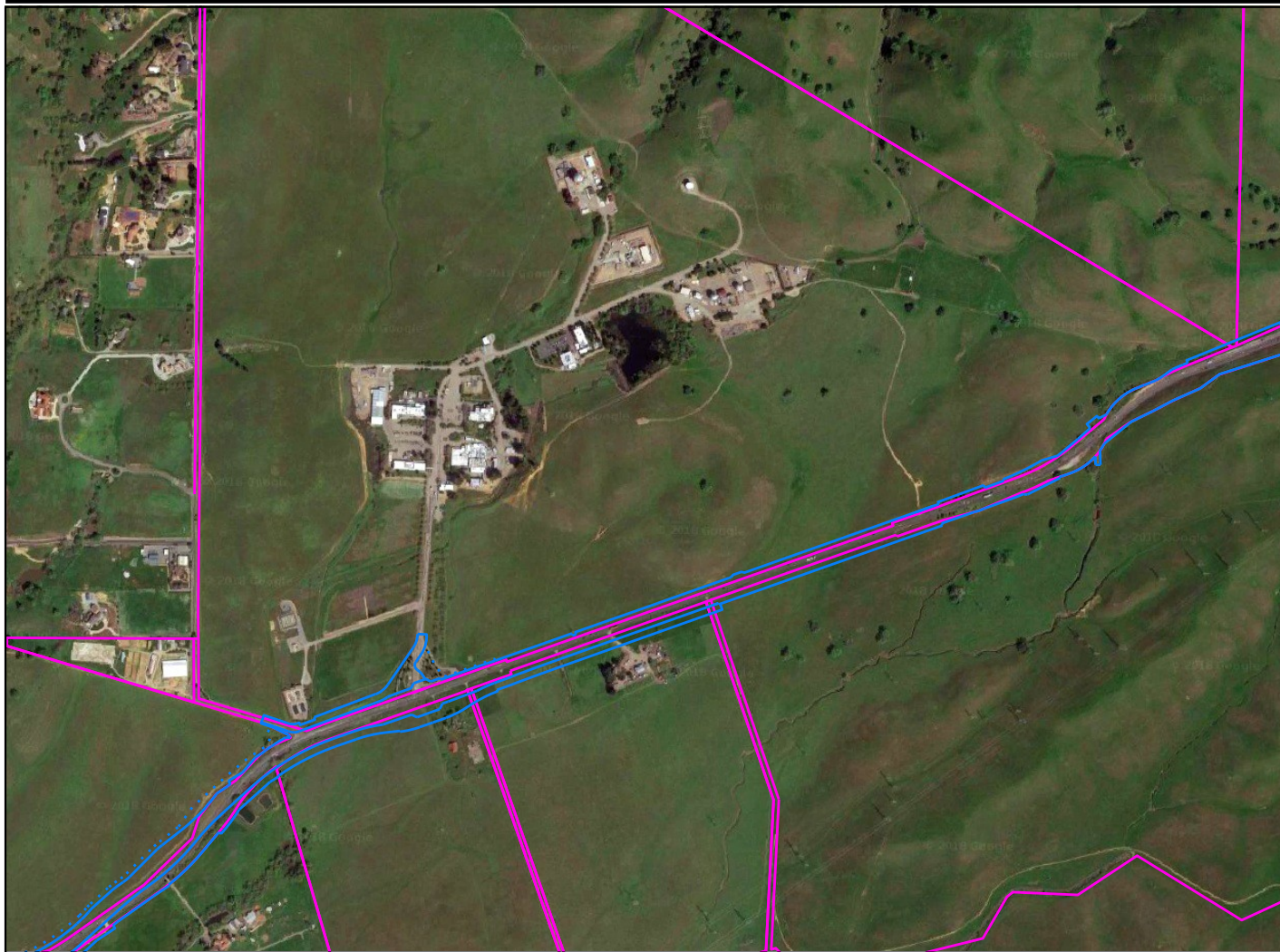




GE Hitachi Vallecitos Nuclear Center



PROJECT OVERVIEW



Legend

- Proposed Right-of-Way
- Proposed Construction Easement
- Existing Parcel Boundary



**SR 84 Expressway Widening
and SR 84/I-680 Interchange
Improvement Project
Alameda County**





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The NRC's Power Reactor Partial Site Release Regulations and Process

- 10 CFR Part 50 – covers licensing of nuclear power reactors
- § 50.82 – “Termination of license”
- § 50.83 – “Release of part of a power reactor facility or site for unrestricted use”



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Power Reactor Partial Site Release 10 CFR 50.83

- **Used for unrestricted release of areas before license termination**
- **Prior written approval from NRC required**
- **Typically applied to outlying unused areas**
- **Different requirements for impacted vs non-impacted areas***

***Non-impacted areas - areas with no reasonable potential for residual radioactivity in excess of natural background or fallout levels**



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§ 50.83 requirements for partial site release (non-impacted areas)

- **There is no reduction in the effectiveness of emergency planning or physical security**
- **Effluent releases remain within license conditions**
- **Environmental monitoring program and offsite dose calculations are revised to account for the changes**
- **All other applicable statutory and regulatory requirements continue to be met**



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§ 50.83 requirements for partial site release (non-impacted areas), cont'd

- Licensee performs a historical site assessment of the part of the facility or site to be released
- Provide the results of the safety evaluations performed in accordance with § 50.59
- Provide the reasons for concluding that the environmental impacts associated with the proposed release are bounded by previously issued environmental impact statements



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Other NRC requirements for approval of partial site release

- **10 CFR Part 20, Subpart D – Radiation Dose Limits for Individual Members of the Public**
- **10 CFR 50.75 – Reporting and recordkeeping for decommissioning planning**
- **10 CFR Part 100 – Reactor siting criteria continue to be met**



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NRC actions (non-impacted areas)

- **Notice receipt of the release approval request and make the approval request available for public comment**
- **Conduct a public meeting in the vicinity of the licensee's facility for the purpose of obtaining public comments**



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NRC actions

(non-impacted areas) cont'd

- **Determine whether the licensee has adequately evaluated the effect of releasing the property relative to dose, emergency planning, security, environmental, and regulatory requirements**
- **Determine whether the licensee's classification of any release areas as non-impacted is adequately justified**
- **Upon determining that the licensee's submittal is adequate, inform the licensee in writing that the release is approved**



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Radiological Surveys

- **GEH conducted an environmental site assessment to verify that the properties proposed for release were not impacted by previous operations involving radioactive materials**
- **A survey was conducted to support release of sites for unrestricted use**
- **NRC conducted a confirmatory survey to confirm the licensee's findings**



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NRC Confirmatory Survey

- **Surveys conducted by NRC and ORAU staff, Oak Ridge, TN on behalf of the NRC**
- **ORAU is NRC's independent contractor with experience, equipment, and trained staff to conduct radiological surveys**
- **ORAU developed and submitted a proposed sampling plan to NRC prior to onsite inspection)**
- **The confirmatory survey was conducted the week of February 4th, 2019 and consisted of surface scans and soil sampling.**



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Photos of the NRC Confirmatory Survey in Progress













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Forthcoming reports

ORAU will send a report to NRC

- Scan survey maps, location of soil samples
- Soil sample results

NRC safety evaluation

- Results of ORAU survey
- NRC will draw conclusion about GEH's site assessment

The NRC safety evaluation and ORAU report is expected to be issued and will be publicly available with the NRC decision on the requests by the end of August 2019.



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Thank you
Questions/Comments?

