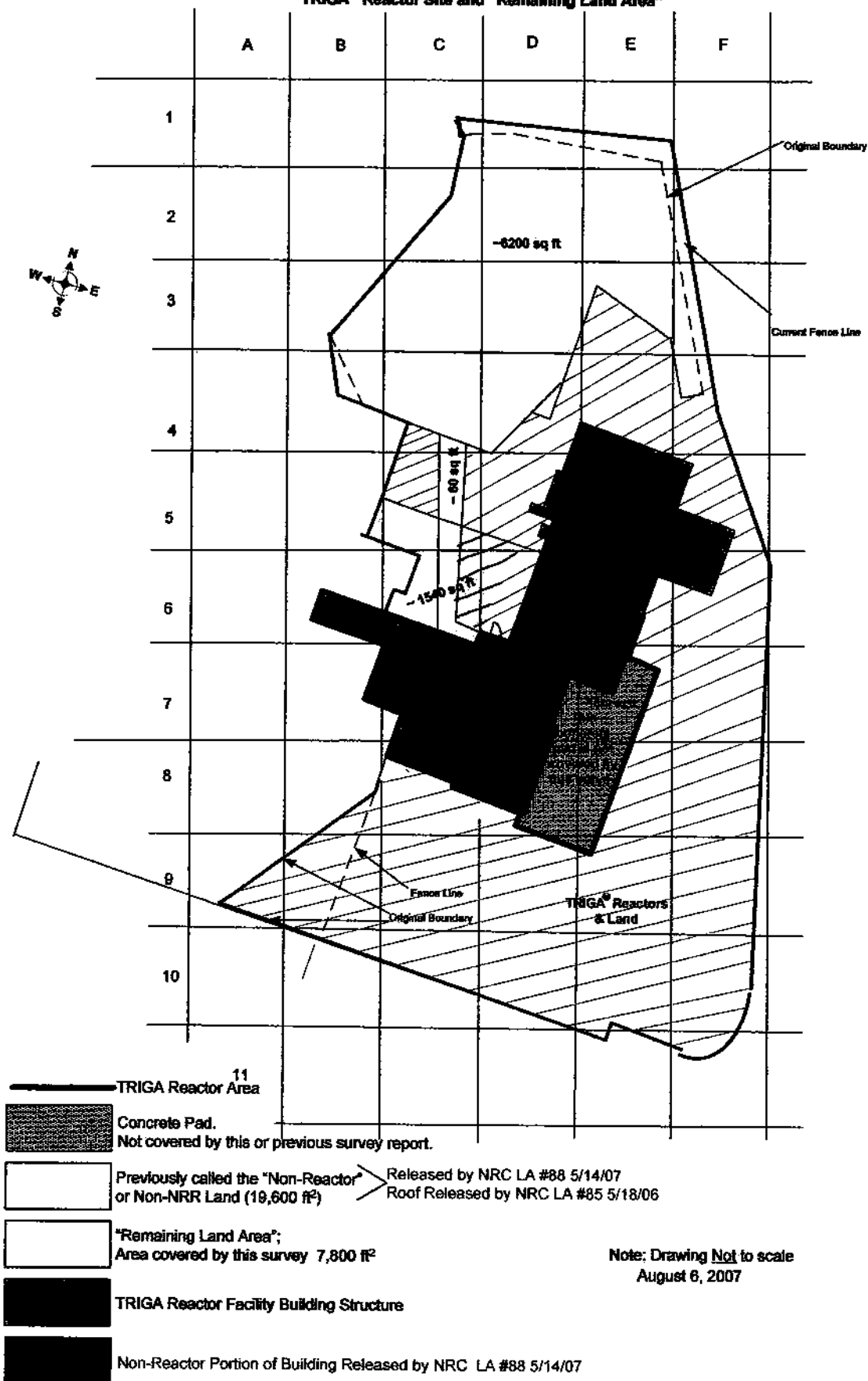


TRIGA® Reactor Site and "Remaining Land Area"





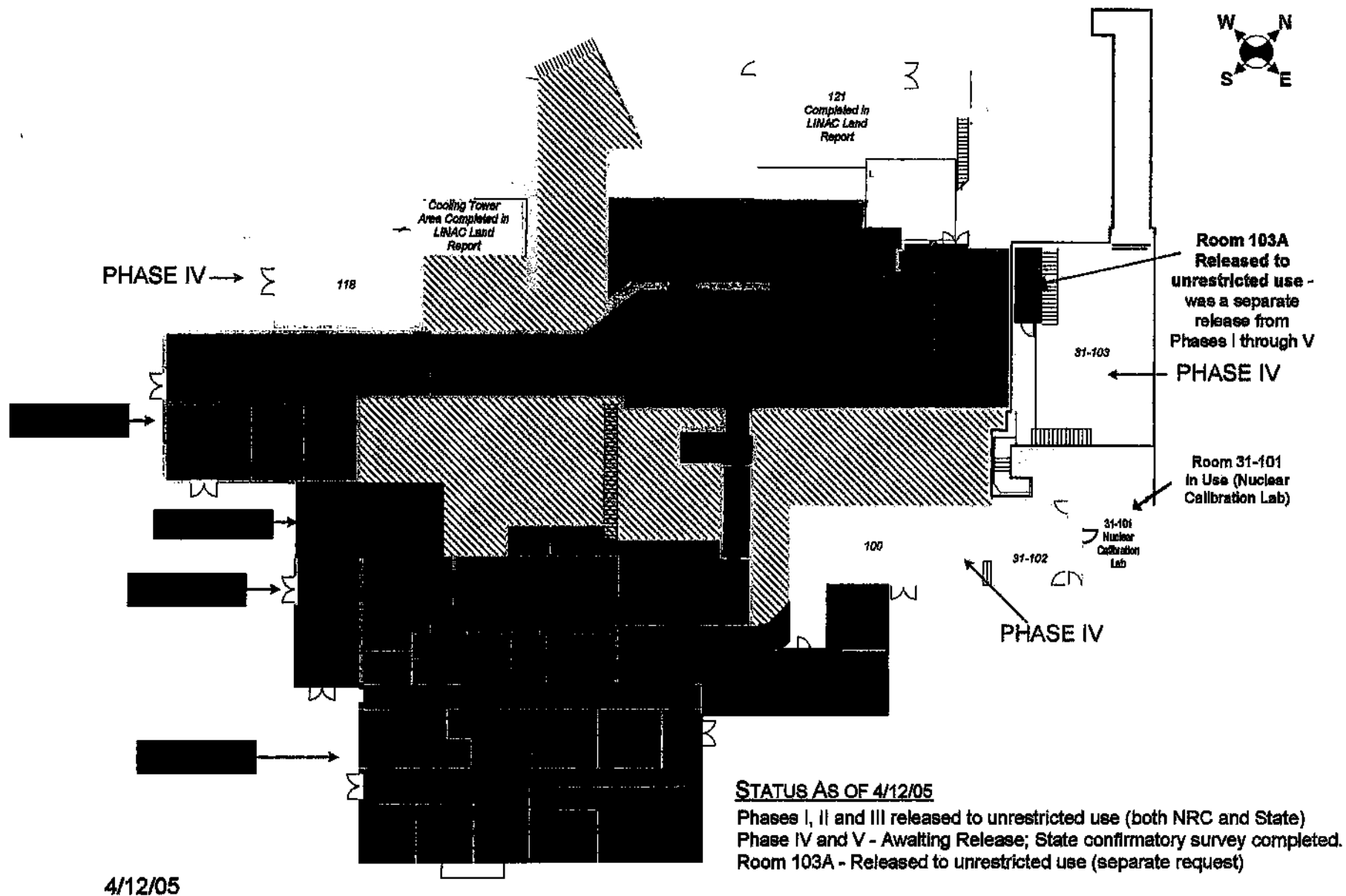
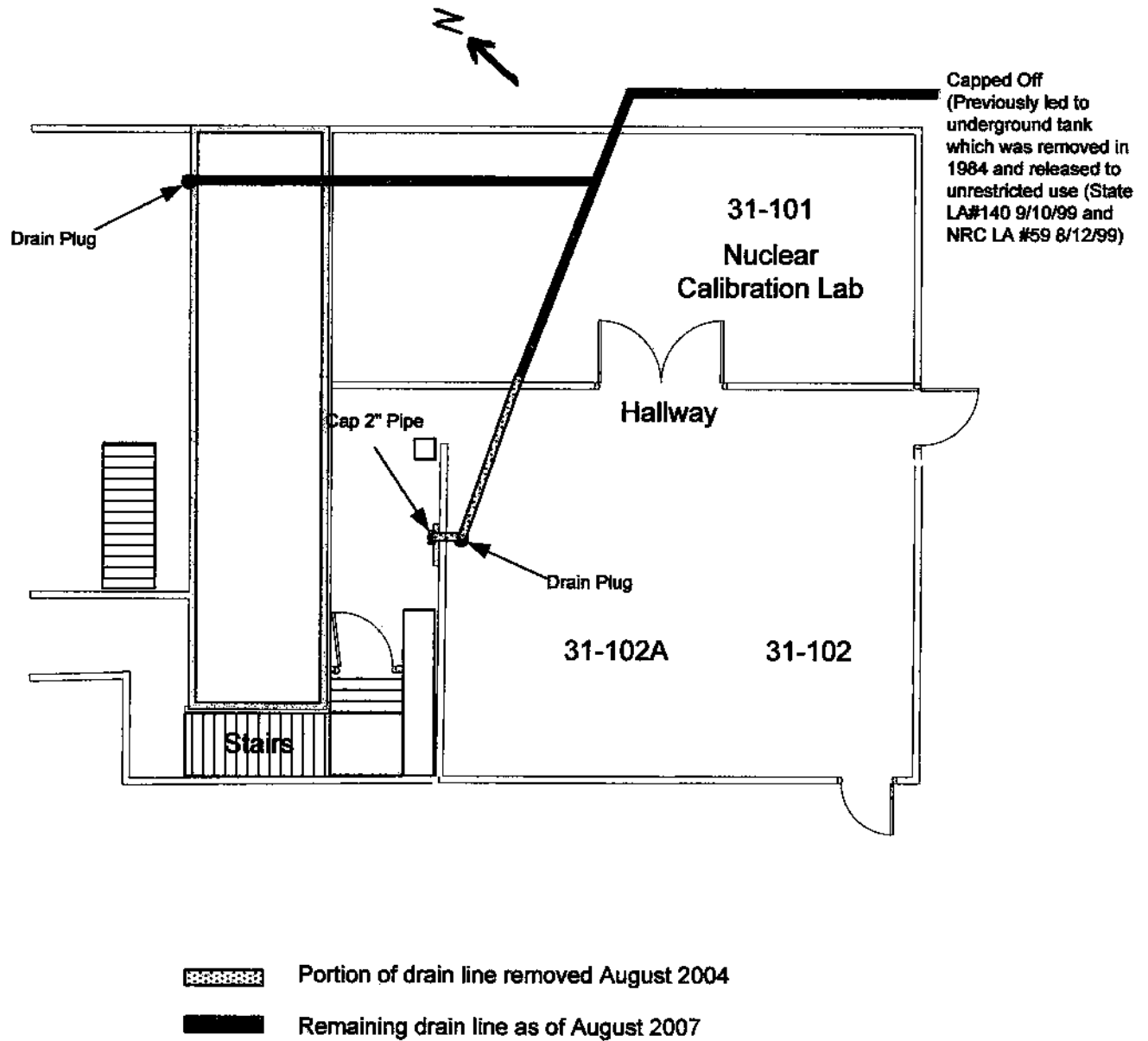
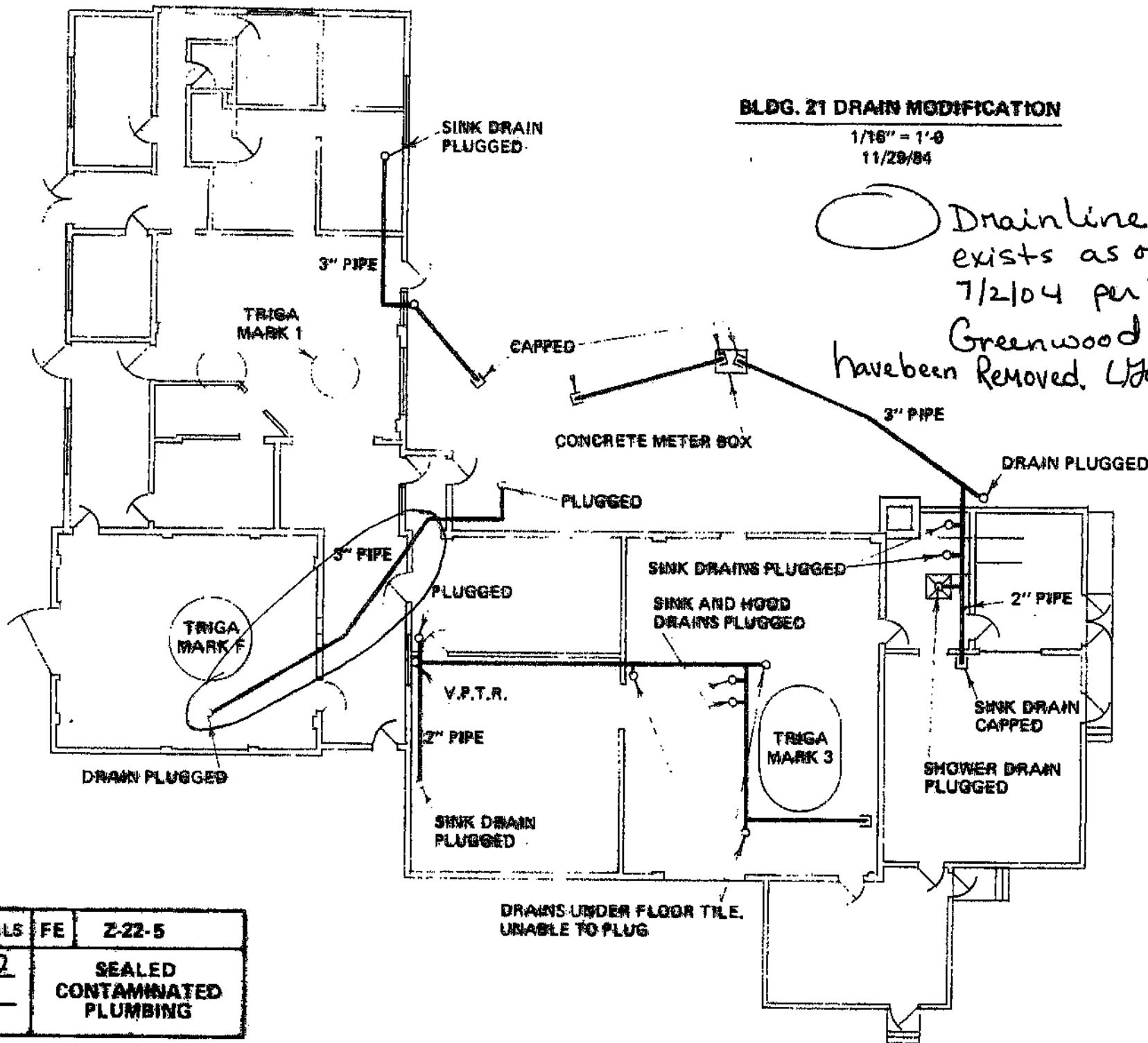


Figure 2-8: Building 30/31 Complex Phases I, II, III, IV and V

Building 31 Drain Line Modification



Bldg 31 - Drain Modification 8/9/84
 (Facilities Drawing Z-22-1)
 FIGURE Revised BY HEALTH PHYSICS (LQG) 10/21/05
 UPDATED BY HEALTH PHYSICS (LQG) 8/7/07



BLDG. 21 DRAIN MODIFICATION

1/18" = 1'-0"

11/29/84

○ Drainline still exists as of 7/2/04 per John Greenwood. All others have been removed. L. Gonzalez 7/2/04

APPROVALS	FE	Z-22-5
F.E. <i>[Signature]</i>	SEALED CONTAMINATED PLUMBING	
H.P. _____		

SNM-696 LICENSE AMENDMENTS**As of May 31, 2007**

DATE	AMENDMENT NUMBER	WHAT AMENDMENT DOES
5/14/07	88	Releases (1) Non-reactor Portion of the TRIGA (Building 21) Reactor Site, (2) Building 2, Service Corridor A, and (3) Former L-307 Tank Pit Site (per GA requests dated November 20, 2006 (696-4039), December 6, 2006 (696/CAL-4044) and February 7, 2007 (696/CAL-4058), respectively.
4/13/07	87	Releases (1) Abandoned Rabbit Tube, (2) Building 2, Service Corridor B, and (3) Building 2, Service Corridor C per GA request dated March 6, 2007 (696/CAL-4062), March 7, 2007 (696/CAL-4064) and March 14, 2007 (696/CAL-4067).
8/29/06	86	Updates license for management changes and incorporation of updated Rad Contingency Plan pages [per letters dated February 4, 2007 (updated management organization), March 29 and July 26, 2006 (revision to Radiological Contingency Plan)].
5/18/06	85	Releases "Non-TRIGA Reactor Portion of General Atomics' Building 21 Roof" to Unrestricted Use (per GA request dated February 6, 2006 (696-3957).
11/28/05	84	★ Releases to Unrestricted Use: "the Former Building 25 Site" (previously the liquid waste filtration building) per GA request dated April 4, 2005 (696/CAL- 3855), GA letter dated July 10, 2003 (CAL/696-3622) and GA letter dated March 11, 2004 (696/CAL-3709) "Request for NRC to be the Lead Agency for the Release of GA's Nuclear Waste Processing Facility and Surrounding Areas (a.k.a. Sorrento Valley South Land Area and the former Building 25 Site) to Unrestricted Use"
8/25/05	83	★★ Releases to Unrestricted Use: (1) Remaining portion of Building 41, (2) DTSC Permitted Area (NWPF-1 Site) of the Nuclear Waste Processing Facility and (3) Remaining Portions of the Sorrento Valley South Land Area per GA requests March 18, 2005 (696/CAL-3852), March 23, 2005 (696/CAL-3853) and May 25, 2005 (696/CAL- 3871), respectively. Amendment 83 also corrects error regarding possession limits (amendment 76 reduced possession limits from Cat II to Cat III but subsequent amendments (77-82) had a typo that reinserted old limits. Amendment 83 corrects this and includes proper possession limits

SNM-696 LICENSE AMENDMENTS

As of May 31, 2007

DATE	AMENDMENT NUMBER	WHAT AMENDMENT DOES
7/19/05	<i>Letter Only No Amendment</i>	Letter received agreeing with GA's request to transfer the lead agency for the NWPF and surrounding Areas from the State of CA to the NRC (State also agreed per letter dated May 18, 2005).
8/26/04	82	★ Releases to Unrestricted Use - GA's Sewer System (includes the Main Site vaults and drain lines and the S-18 to Bldg 31-1 Sewer System, and the Sorrento Valley Sewer systems including vaults); per KA letter 4/20/04 (696/CAL-3724) [Does not include S-13 to S-18 drain line or Building 2 Sewer System].
5/21/04	81	Approves Revised Environmental Monitoring Program (Section 6 of License) per KA letter dated 2/11/04. <u>Note:</u> The State approved the same Program 7/21/04 (amendment #160 to 0145-37).
1/30/04	80	★ Release to Unrestricted Use (1) Area 5 of Sorrento Valley West Land Area (per KA letter 696/CAL-3660 dated October 23, 2003), and (2) The Building 2 Roof (per KA letter 696/CAL-3665 dated October 31, 2003).
10/6/03	79	★ Releases to Unrestricted Use (1) Area 4 of Sorrento Valley West Land Area (per KA letter 696/CAL-3579 dated March 18, 2003), and (2) Concrete Storage Bunker Located Within Area 5 of Sorrento Valley West Land Area (per KA letters 696/CAL-3608 (June 11, 2003) and 696/CAL-3623 dated July 14, 2003) Also, incorporates the latest revisions to the Physical Protection Plan (per May 6, 2003 submittal).
9/12/03	78	★Approves the high lift procedure for re-packaging and off site shipment of irradiated fuel material (per KA letter 696/CAL-3429 dated September 3, 2003)

SNM-696 LICENSE AMENDMENTS

As of May 31, 2007

DATE	AMENDMENT NUMBER	WHAT AMENDMENT DOES
7/11/03	77 ★Many Releases	★Releases to Unrestricted Use (1) Torrey Pines North Land Area (Suspect affected area of Section C) per KA letter 696/CAL-3558 dated January 14, 2003 (2) Building 31, Room 103A per KA letter 696/CAL-3552 dated December 18, 2002 (3) Service Yard of Building 27 per KA letter 696/CAL-3540 dated November 20, 2002 (4) TRIGA Reactor Facility Electrical Pad per KA letter 696-3525 dated October 9, 2002 (5) Building 27-1 (EA-1 Bunker) per KA letter 696/CAL-3451 dated April 5, 2002 (6) LINAC Land Area per KA letter 696/CAL-3395 dated August 2, 2001
3/13/03	76 *Important Cat II ⇌ Cat III	☉ Reduces the possession limits (revised Section 1 to SNM-696 license) per November 7, 2002 letter (GA 696-3538). The inventory was reduced from a Category II quantity of material (per 10 CFR 73.2) to a Category III quantity of material (per 10 CFR 73.2).
12/9/02	75	★Releases (1) TRIGA Trailer Land Area and (2) Torrey Pines North Hillside (Sections A, B, D and Unaffected Area of Section C) to Unrestricted Use per KEA letter dated August 30, 2002 (GA 696/CAL-3508) for TRIGA Trailer Land and KEA letter dated September 27, 2002 for Portions of Torrey Pines Hillside (696/CAL-3517).
1/24/03	Letter Only No amendment	Letter received agreeing with GA's request to transfer the lead agency for the (1) LINAC Land Area, (2) Building 27-1 (EA-1 Bunker) land area, and (3) Building 27 service yard land area from the State of CA to the NRC (State also agreed per letter dated January 9, 2003).
6/19/02	74	★Releases (1) Sewer Line Trench S-18 to S-15 to S-13 to Unrestricted Use and (2) Concurrence to Backfill Sewer Line Trench From S-18 to Building 31-1 per KEA letter dated February 4, 2002 (696/CAL-3429)
2/4/02	73	★Releases Torrey Pines East to Unrestricted Use per KEA letter dated November 20, 2001 (696/CAL-3420).

SNM-696 LICENSE AMENDMENTS

As of May 31, 2007

DATE	AMENDMENT NUMBER	WHAT AMENDMENT DOES
11/16/01	72	★ Releases (1) Building 2 Service Corridor Drain Line Trench per KEA letter dated April 4, 2001 (696/CAL-3353) and (2) LINAC North Land Area per KEA letter dated April 30, 2001 (696/CAL-3366) to unrestricted use.
7/10/01	71	★ Releases (1) Sorrento Valley West Land Areas 2 and 3 per KEA letter dated February 15, 2001 (696/CAL-3329) and (2) TRIGA Fuel Fabrication Utility Corridor per KEA letter dated February 23, 2001 CAL/696-3334)
5/17/01	<i>Letter Only</i> <i>No Amendment</i>	★ Releases concrete/soil/debris from the Soil Staging Area (SSA) Bins T-4, T-35, T-40, T-41 and Releases soil and concrete/metal debris from SSA Bins T-9, T-29 and T-32 per KEA letters November 3, 2000 and November 13, 2000, (696-3296 and 696-3303, respectively).
5/11/01	70	★ Releases (1) Outside areas Adjacent to Building 27 on the east and northeast (per GA letter October 10, 2000), (2) Torrey Pines Northeast Land Area and Building 20 (per GA letter dated November 7, 2000 and (3) Area 1 of Sorrento Valley West Land Area (per GA letter dated January 10, 2001).
2/9/01	69	★ Releases Group 13 labs of Building 2 (last group of labs in Building 2) to unrestricted use (released per KA letter dated August 25, 2000, 696/CAL-3266).
12/22/00	68	★ Releases the Sorrento Valley North (SVN) Land Area, soil/asphalt staged at the SVN Land, and "Group 12" Labs of Building 2. It also incorporates the revision of the Physical Protection Plan (released at GA's request per KA letter March 30, 2000 (SVN), June 16, 2000 letter (Group 12), August 1, 2000 (revised PP Plan) .
11/16/00	<i>Letter Only</i> <i>No amendment</i>	NRC letter dated November 16, 2000 signed by Mary Adams ★ Releases Bins T-31 and T-48 to unrestricted use -soil and concrete from Building 2 service corridor - from sewer drain line removal project. T-48 also included the concrete vaults from near Building 2. Per KA letter November 3, 2000 <u>and</u> letter allows GA to backfill the excavation pit outside Section "C" of Building 2.
9/18/00	67	★ Releases the Outside Area West, South and Southeast of Building 27 and Phase III of Building 30 (released by the State of CA already); per letter KA dated January 26, 2000 and January 27, 2000.

SNM-696 LICENSE AMENDMENTS

As of May 31, 2007

DATE	AMENDMENT NUMBER	WHAT AMENDMENT DOES
7/3/00	66	★ Releases the Hot Cell Site (including the former Building 23 site) to unrestricted use per letter KA dated March 10, 2000. [NRC Inspection Report 70-734/00-01 dated June 20, 2000 performed March 14-15, 2000 has NRC's Confirmatory Survey]. TAC No. L31365.
12/28/99	<i>Letter Only</i> <i>No amendment</i>	Letter dated December 28, 1999 from T. Sherr (NRC) releases concrete/soil debris from the Temporary Staging Area to unrestricted use (per KA request letter dated November 15, 1999). No license amendment was issued by the NRC. TAC No. L31183). SSA Bins S-1a, S-1b, S-4, S-5, T-5, T-7, T-14, T-15, T-17 and T-24.
12/28/99	65	Releases Torrey Pines South Land Area to unrestricted use per letter KA dated August 27, 1999 (This area is still under the State of CA radioactive material license, as of April 11, 2000).
12/17/99	64	Releases Sorrento Valley Central Land Area to unrestricted use per letter KA dated July 29, 1999 and report dated July 28, 1999.
12/6/99	63	Releases Building 31-1 to unrestricted use per letter KA dated August 27, 1999 and report dated August 25, 1999.
11/27/99	62	Releases the Building 2 "Group 11" laboratories to unrestricted use (per report dated August 25, 1999 and KA letter dated August 27, 1999.
10/28/99	61	Amended to include the Revised Physical Protection Plan dated may 1989, submitted by letter dated July 20, 1999.
10/4/99	60	Releases Building 42 (QA Calibration Lab) to unrestricted use from this license (it remains on GA's State of CA radioactive materials license).
8/12/99	59	Releases the area where 4 previous underground tanks were located (tank outside building 9, tank outside Building 31, tank outside Building 21 and the tank outside lab 540 of Building 2) per GA report dated February 1985 documenting the results of surveys conducted at the time. (KA letter dated May 17, 1999 requested the sites be removed from the license).
8/12/99	58	Incorporates the revised Fundamental Nuclear Materials Control (FNMC) Plan dated march 1999.

SNM-696 LICENSE AMENDMENTS

As of May 31, 2007

DATE	AMENDMENT NUMBER	WHAT AMENDMENT DOES
7/23/99	57	Releases Building 35-1, Building 36, Building 45 and "Test Tower Land" to Unrestricted Use (TAC No. L31175) - per KA letters March 9, 1999 and June 23, 1999.
6/7/99	56	Releases Building 9, Room 049B and Building 37, including Building 37 Tunnels - Release to unrestricted use (TAC No. L31160)
5/14/99	55	Releases Building 22 - TRIGA Fuel Fabrication Facility (TFFF) Release to Unrestricted use (TAC No. L31148)
5/14/99	54	Releases Building 27 (EA-1) and the Unaffected Office Areas of Building 21 for Unrestricted Use (TAC No. L31131)
4/22/99	53	Releases Torrey Pines West Land Area for Unrestricted use (TAC No. L31114)
1/26/99	52	Releases Bldg. 39 - Sorrento Valley B (SVB) Certain Portions to Unrestricted Use (TAC No. L31149)
11/1/98	51	Radiological Contingency Plan (TAC No. L31123) - October 1998
9/30/98	50	Releases Phase II of Building 30 rooms to unrestricted use.
9/30/98	49	Releases Group 10 labs of Building 2 to unrestricted use.
9/30/98	48	Releases Building 27 roof to unrestricted use.
6/4/98	47	Approves the revised FNMC Plan per letter dated March 5, 1998.
5/8/98	46	Includes Revision 4 to GA's Hot Cell Facility Decommissioning Plan dated April 21, 1998.
4/29/98	45	Approves GA's Site Decommissioning Plan (this plan is for all GA Nuclear Facilities except Hot Cell and TRIGA Reactor Facilities (Buildings 23 and 21, respectively).
4/29/98	44	Deletion of Fusion Experiment Facilities and Surrounding Areas from SNM-696 License (only under State license now).
3/25/98	43	Approves 10/97 changes to GA's Radiological Contingency Plan-Changes contingency plan training, the radiation exercise and familiarization visits from annual to every 2 years.
3/11/98	42	Building 30 - Phase I released for unrestricted use (TAC NO. L31026)
3/2/98	41	Releases Group 9 Labs in Building 2 to Unrestricted Use

SNM-696 LICENSE AMENDMENTS

As of May 31, 2007

DATE	AMENDMENT NUMBER	WHAT AMENDMENT DOES
11/4/97	40	Releases to Unrestricted Use Certain "Non-Impacted" areas on GA's Main Site and Sorrento Valley Site [Yellow Areas]. GA letters 4/30/97, 7/2/97 and 8/13/97 referenced in amendment.
3/27/97	39 <i>*important amendment *</i>	<p>(1) Amended to include the revised Section 4 of the Specifications Volume "Radiation Safety" (GA's October 15, 1996 submittal). Safety License Condition S-1 revised to include October 15, 1996 date.</p> <p>(2) <i>NRC staff concluded that renewal of GA's license is unnecessary due to the fact that our license is in a possession only status and that all activities are associated with decommissioning and ultimate site release.</i></p> <p>All sections of the license have been revised and approved by NRC.</p>
10/30/96	38	Releases the "Group 8B" labs (Building 2) to unrestricted use.
9/26/96	37 <i>*Very Important Amendment *</i>	<p>(1) Changes license to possession only license (D&D activities only)</p> <p>(2) Approves May 1996 changes to GA's Radiological Contingency Plan (revised S-23).</p> <p>(3) Approves revisions to SNM-696 license -- Section 2 (authorized activities) and Section 6 (Environmental Monitoring Program changes) per K. Asmussen letter dated 6/14/96.</p> <p>(4) Approves revisions to SNM-696 license -- Section 1 (Materials License Limits), Section 3 ("Organization and Administrative Procedures), Section 5 (Nuclear Safety - Technical Requirements, and Section 7 (Other Special Commitments) and Section 8 (Supporting Plans) per K. Asmussen letter dated July 19, 1996.</p> <p>(5) SVA facility license conditions S-17, S-20, and S-22 deleted and the safeguards amendments SG-2 through SG-8 were also deleted.</p>
5/20/96	36	Revisions to the Fundamental Nuclear Material Control Plan
5/1/96	35	Interim Approval of Hot Cell Decommissioning Plan (license condition S-1 revised to include the dates of July 6, November 20 and 30, and December 18, 1996). Hot Cell Facility Decommissioning Plan Approval Documentation
1/29/97	--	

SNM-696 LICENSE AMENDMENTS

As of May 31, 2007

DATE	AMENDMENT NUMBER	WHAT AMENDMENT DOES
4/25/96	34	"Group 7" Laboratories Released to Unrestricted Use
10/13/95	33	8/95 revisions to Radiological Contingency Plan approved (mainly the removal of Emergency Services)
8/1/95	32	Releases Phase II of SVA Decommissioning Project
7/18/95	31	Releases "Group 6" Labs
4/5/95	30	Approves changes to FNMC Plan
3/3/95	29	Deletes certain authorized activities and incorporates changes to GA's Emergency Plan. Approval to discontinue around-the clock emergency services personnel at the Site.
2/7/95	28	Incorporate changes to GA's Emergency Plan to reflect organizational changes.
9/28/94	27	Incorporates revisions to Fundamental Nuclear Material Control (FNMC) plan by revising Safeguards License Condition SG-2.1, effective immediately, (letter dated Sept. 7, 1994) regarding the types of tamper indicating devices to be employed.
9/13/94	26	Incorporates revised Fundamental Nuclear Material Control (FNMC) Plan by revising Safeguards License Condition SG-2.1, effective immediately. In addition, as a result of the revised plan and the recent lowering of authorized possession limits, the following changes by NRC were made. <ul style="list-style-type: none"> • Deletes existing Conditions SG-2.3 & SG-2.4 • Expands existing Condition SG-3.1 • Renumbers existing Condition SG-3.2 as Condition SG-5.2 • Expands existing Condition SG-4.4 • Adds new Conditions SG-4.7, SG-4.8 and SG-5.3 effective immediately.
8/30/94	25	Changes GA's possession limits. According, License Condition 8 is revised to lower GA's possession limits and License Condition S-1 is revised to include reference to letter of August 23, 1994.
10/7/93	24	One-time extension to Reconcile Physical Inventory
11/25/92	23	Incorporates the revised Radiological Contingency Plan. Accordingly, Condition 9 is revised to include the date of September 10, 1992.

SNM-696 LICENSE AMENDMENTS

As of May 31, 2007

DATE	AMENDMENT NUMBER	WHAT AMENDMENT DOES
10/3/88	12	The release for unrestricted use of approximately 18 acres (Hillside generally west and north of GA's TRIGA reactor facility a.k.a. Area B1 and Callan Ponds a.k.a. Area B3).
9/16/88	11	The possession of 16 TRIGA Fuel elements at the University of Missouri for the purpose of packaging the elements for delivery to a carrier.
8/17/88	10	Deletes 5 sampling stations from the existing environmental monitoring program per our request of April 26, 1988.
6/22/88	9	The release for unrestricted use of approximately 277 acres of land, as noted by the addition of the March 4, 1988, date to Condition 9. These 277 acres were a.k.a. Phases I, II and III. Phase I and Phase II were ~80 acres which were related to the decommissioning of the old Nuclear Waste Processing Facility. Phase III was the ~215 acres of undeveloped land surrounding GA's main site (excludes 18 acres of land known as "Area B1" which is 15 acres of undeveloped land behind EA-1, Hot Cell, TRIGA and TFF), "Area B2" (sewage pumphouse) and "Area B3" (Callan Ponds).
5/11/88	8	Amended to include the date of 3/22/88 into License Condition 9 (this date was inadvertently excluded from amendment #7)
4/27/88	7	Exempts NRC-licensed reactor operators and senior reactor operators from the retraining requirements and changes the company name to General Atomics.
8/19/87	Order Modifying License	Deals with transporting and handling of uranium hexafluoride cylinders (GA has none but license allowed us to have them).
2/9/87	6	Organizational Changes per application dated 12/10/86.
12/2/86	5	Decommissioning Funding information (and License Condition 24 imposed) related to the transfer of GA from Chevron and GATC (to the Blues).
10/20/86	4	Changes organization structure w/ application dated 5/23/86 and 9/25/86
1/8/86	3	Changes organizational structure w/ application dated 12/5/85

SNM-696 LICENSE AMENDMENTS**As of May 31, 2007**

Page 11 of 11

DATE	AMENDMENT NUMBER	WHAT AMENDMENT DOES
7/30/85	2	(1) CWAS maintenance changes (2) No material handling if CWAS is inoperative (3) Reduced the Radiation Safety & Nuclear Criticality Safety & Environmental monitoring in SVA, TFF & Hot Cell when reduced activities per letter 4/23/85 (w/conditions).
5/30/85	1	Provided exemption from CWAS requirements (10CFR70.24) during modifications to the system

**SUMMARY OF STATE OF CALIFORNIA
RADIOACTIVE MATERIAL LICENSE # 0145-37 AMENDMENTS
As of July 9, 2007**

Amendment No.	Amendment Date	What Amendment Does
171	7/2/07	Releases former Diazyme Labs in Building 2 to Unrestricted Use (9 labs - 517, 523, combined labs 530/532, lab 534, combined labs 560/562/564 and lab 645. The total area is ~2,655 ft ² . <u>Note:</u> Labs 523A, 525/528, the mezzanine above labs 525/528, and the mezzanine above lab 645 (which cannot be accessed from lab 645) not included.
170	6/6/07	Adds another Authorized Use Location - 10(e) 12889 Gregg Court, Poway, CA (for Diazyme activities) per 13(c) letter CAL-4051, dated January 16, 2007 signed by KEA with attachments, regarding new use location for Diazyme.
169	2/2/07	The State amended GA's license to conform to the National Source Tracking final rule (condition #32 requires that each sealed source manufactured after 2/6/07 that contains > Cat 1 or Cat 2 levels (i.e., nationally tracked source) shall be assigned a unique s/n.
168	10/27/06 IMPORTANT	<p>★ Approves GA's Renewal License Application (KEA letter CAL-4023) dated September 19, 2006. <u>Note:</u></p> <ol style="list-style-type: none"> 1. Incorporates Site Decommissioning Plan, Radiological Contingency Plan and Decommissioning Funding Plan by reference. 2. License allows temporary job sites (including Hi-Q Products) for use of sealed sources. 3. Allows calibration of nuclear instrumentation for GA and GA <i>affiliated</i> companies. 4. Allows GA to add rooms in Building 2 and Building 30/31 without license amendment. 5. Allows small quantities of SNM (i.e., < 350 grams U-235). 6. Does not include DIII-D activities (DOE facility). 7. Small changes to radioactive material possession limits (from LA #153).

**SUMMARY OF STATE OF CALIFORNIA
RADIOACTIVE MATERIAL LICENSE # 0145-37 AMENDMENTS
As of July 9, 2007**

Amendment No.	Amendment Date	What Amendment Does
167	8/8/06	Releases: (1) Remaining Portion of SVS Land Area, (2) DTSC Permitted Area (NWPF-1) of the NWPF, (3) Non-Impacted Area of Building 41, and (4) Building 27-1 (EA-1 Bunker) Site per KEA letters 696/CAL-3871 dated May 25, 2005 and fax dated 9/16/05 by LQG for (1) above, KEA letter 696/CAL-3853 dated March 23, 2005 and fax 9/16/05 by LQG for (2) above, KEA letter 696/CAL-3852 dated March 18, 2005 and fax 9/16/05 by LQG for (3) above, and KEA letter CAL/696-3451 dated April 5, 2002 and KEA letter CAL-3625 dated July 18, 2003 for (4) above.
N/A <i>Letter - not license amendment</i>	6/9/06	Letter from Ron Rogus received by fax agrees with GA that ERAM's could be used at temporary job sites per requirements provided to the State in KEA letter CAL-3987 dated June 6, 2006).
166	2/28/06	Approves GA's Decommissioning Funding Plan dated January 2006 (per KEA letter CAL-3953 dated January 31, 2006).
165	2/24/06	Deletes certain authorized sources and combines two contiguous use locations (per KEA letter CAL-3951, dated February 2, 2006). <u>Note:</u> Still leaves authorized locations as (1) 3550 General Atomics Court, (2) 11222 Flintkote Ave (which includes the Dunhill address), (3) 4949 Greencraig Lane and (4) Temporary Job Sites. This amendment submitted in order to reduce license fees by about \$4,500.00.
164		Approves GA's response to the Increased Controls forRadioactive Material Quantities of Concern per November 6, 2005 - CAL-3942.
163	11/15/05	State amended GA's license to incorporate the DHS/RHB letter dated November 15, 2005 regarding "Increased Controls for ...Radioactive Material Quantities of Concern". (GA responded November 6, 2005 - CAL-3942).
162	1/12/06	Releases Area 4 of the SVW Land Area to Unrestricted use (per KA letter 696/CAL-3579 dated March 18, 2003).

**SUMMARY OF STATE OF CALIFORNIA
RADIOACTIVE MATERIAL LICENSE # 0145-37 AMENDMENTS
As of July 9, 2007**

Amendment No.	Amendment Date	What Amendment Does
158	7/8/04	<p>13(cl) Releases the Building 2 Service Corridor Drain Line Trench to unrestricted use (per letter 696/CAL-3353 dated 4/4/01, letter CAL-3422 dated 11/28/01 and letter CAL-3569 dated 2/28/03.</p> <p>13(cm) Releases Torrey Pines East (TPE) Land Area to unrestricted use per letter 696/CAL-3420 dated 11/20/01, and letter CAL-3432 dated 2/14/02.</p> <p>13(cn) Releases Torrey Pines South (TPS) Land Area to unrestricted use per letter CAL-3387 dated 6/28/01</p> <p>13(co) Releases the Concrete Storage Bunker within Area 5 of the Sorrento Valley West (SVW) to unrestricted use per letter 696/CAL-3608 dated 6/11/03, letter 696/CAL-3623 dated 7/14/03 and letter CAL-3658 dated 10/14/03.</p> <p>13(cp) Releases Building 31, Room 103A to unrestricted use per letter 696/CAL-3552 dated 12/18/02, and letter CAL-3625 dated 7/18/03.</p>
157	6-25-04	13(ck) Corrects typo in amendment 156 which adds the reuse of Laboratory 407 of Building 2 and changes inspection frequency from 1 to 2.
156	5-6-04	13(av) Adds reuse of Laboratory 407 of Building 2 as an authorized place to use radioactive materials per letter dated April 27, 2004 (CAL-3727) signed by K. Asmussen.
155	5-6-04	13(au) Amendment 155 issued to correct amendment 128 that corrected amendment 127 which added letter 10/14/96 with GA's Site Decommissioning Plan as modified by letters 12/5/96, 4/18/97, 7/18/97 and <u>9/15/97</u> .
154	8-28-03	13(cj) Adds the letter dated January 16, 1998 (which provides revised pages to GA's Site Decommissioning Plan).

**SUMMARY OF STATE OF CALIFORNIA
RADIOACTIVE MATERIAL LICENSE # 0145-37 AMENDMENTS
As of July 9, 2007**

Amendment No.	Amendment Date	What Amendment Does
N/A <i>Letter, not license amendment</i>	7-30-03	Letter dated July 30, 2003 from Ed Bailey, Chief RHB to Keith Asmussen wherein DHS-RHB concludes that the release of the TRIGA® Reactor Facility Electrical Pad is under the discretion of the NRC and not an authorized location under the State license. (The NRC has released this electrical pad). (Per GA's 10/9/02 request to the State).
153	6-19-03 ★Important	Revises the Radioactive Material Possession Limits per KA letter dated December 12, 2002 (CAL-3848) (there are a differences in the final -vs- the 12/12/02 submittal)
152	6-17-03	Corrects the license number written in 150 and 151 (correct GA license noted). (Also, date should have been January 15, 1993 instead of February 5, 1998)
151	3-27-03	13 (ci) Adds Room 104A of Building 30 as an authorized place of use (for E-Smart WA). This room had been previously released to unrestricted use as part of Phase III Building 30.
150	2-3-03	13 (ch) Releases Building 79 (10240 and 10247 Flanders Court) , formerly Sorrento Electronics, to unrestricted use per KA letter dated October 9, 2002 (CAL-3524), and KA Letter dated November 22, 2002 (CAL-3541), and faxes sent January 15 and 16, 2003 and fax sent January 20, 2003 (modified on January 24, 2002).
N/A <i>Letter not License Amendment</i>	1-9-03	Letter received agreeing with GA's request to transfer the lead agency for the (1) LINAC Land Area, (2) Building 27-1 (EA-1 Bunker) land area, and (3) Building 27 service yard land area from the State of CA to the NRC (State also agreed per letter dated January 24, 2003).
N/A <i>Letter not License Amendment</i>	3-18-02	Sudana Kwok letter dated March 18, 2002 with (1) Department's determination that GA may backfill the S-18 to S-15 to S-13 Sewer Trench and (2) Department's request that the soil not put back into the trench be stored until the Department completes it's review.

**SUMMARY OF STATE OF CALIFORNIA
RADIOACTIVE MATERIAL LICENSE # 0145-37 AMENDMENTS
As of July 9, 2007**

Amendment No.	Amendment Date	What Amendment Does
149 ★	10-5-01	<p>13(cb) Releases Torrey Pines Northeast (TPNE) to unrestricted use per KA letter dated November 7, 2000 (696/CAL-3297), KA letter dated January 11, 2001 (696/CAL-3312) and KA letter dated May 23, 2001 (CAL-3375).</p> <p>13(cc) Releases Sorrento Valley West - Area 1 to unrestricted use per KA letter January 10, 2001 (696/CAL-3311), and KA letter dated May 23, 2001 (CAL-3375).</p> <p>13(cd) Releases Sorrento Valley West - Areas 2 and 3 to unrestricted use per KA letter February 15, 2001 (696/CAL-3329) and KA letter dated August 6, 2001.</p> <p style="text-align: center;">F !!!</p> <p>13(ce) Releases TFF Utility Corridor to unrestricted use per KA letter dated February 23, 2001 (696/CAL-3334) and KA letter dated August 6, 2001 to Dr. Ronald Rogus (CAL-3397).</p> <p>13(cf) Releases Building 35 (Test Tower Facility) to unrestricted use per KA letters dated September 30, 1998 (CAL-2982), July 13, 1999 (CAL-3109), December 21, 1999 (CAL-3169) and June 19, 2001 (CAL-3384).</p> <p>13(cg) Releases Building 42 to unrestricted use per KA letter dated September 17, 2001 (CAL-3406).</p>
148	9-28-01	<p>13 (ca) Releases SSA Bins T-19, T-22, T-25, T-27, T-34 and T-45 (from Building 30/31) to unrestricted use per KA letter dated September 22, 2000 to Dr. Ron Rogus, CAL-3277 and KA letter dated May 23, 2001 to Dr. Ronald Rogus (CAL-3376).</p> <p>and Releases SSA Bins T-1 and T-39 (from Building 27-1 Bunker Area) and Bin T-47 (from Building 21 Storage Area West) to Unrestricted use per KA letter dated October 5, 2000 to Dr. Ron Rogus, and KA letter dated May 23, 2001 to Dr. Ronald Rogus (CAL-3376).</p>

**SUMMARY OF STATE OF CALIFORNIA
RADIOACTIVE MATERIAL LICENSE # 0145-37 AMENDMENTS
As of July 9, 2007**

Amendment No.	Amendment Date	What Amendment Does
142	6/27/00	<p>13 (bp) ★Releases the Outside Area Around Building 27 to unrestricted use (per KA letter 12/2/99 w/ report dated November 30, 1999 "Final Radiological Survey Performed at GA's Open Land Area Associated with Building 27" and the KA letter 1/26/00 w/ "Addendum #1 to the FRS of the Open Land Area Located to the West, South and Southeast of Building 27" dated 1/24/00.</p> <p>13 (bq) Releases the Building 30 (Phase III) office areas and the Transformer Pad to unrestricted use (per KA letter 1/27/00 w/ report dated 1/27/00 for Building 30 Phase III and the transformer pad.</p> <p>13 (br) Adds Building 2 Labs 517, 530/532 to authorized places of use of radioactive material per this license and KA letter dated 6/16/00 requesting the use of these labs for <i>Diazyme Laboratories work</i> which had previously been released to unrestricted use.</p>
141	1/21/00	<p>13 (bk) *Releases Building 2 "Group 11" labs to unrestricted use (per KA letter 8/3/99 w/ report dated July 1999, and the LG letter dated 11/30/99 w/ attachment.</p> <p>13 (bl) *Releases Sorrento Valley Central Land Area to unrestricted use (per KA letter 7/29/99 w/ report dated 7/28/99, and letter dated 12/23/99 w/ attachment.</p> <p>13 (bm) *Releases Building 31-1 to unrestricted use (per KA letter 8/27/99 w/ report dated 8/25/99, and letter 12/20/00 w/ attachment.</p> <p>13 (bn) *Releases debris from the temporary staging area (per KA letter 11/15/99 and LG letter 1/20/2000 w/ attachment).</p> <p>13 (bo) *Approves the backfilling of pits and trenches at the former site of Building 39 (per KA letter 10/4/99). <u>Note:</u> The state had approved GA backfilling the pits and trenches "at risk" after lining them with burlap.</p>

**SUMMARY OF STATE OF CALIFORNIA
RADIOACTIVE MATERIAL LICENSE # 0145-37 AMENDMENTS
As of July 9, 2007**

Amendment No.	Amendment Date	What Amendment Does
140	9/10/99	<p>13 (bg) *Releases TRIGA Fuel Fab Facility (TFFF!) Building 22 to unrestricted use (per KA letters 12/22/98 and 3/22/99)</p> <p>13 (bh) *Releases Room 049B of Building 9 (Stage 3 of former TRIGA Fuel Fab "Hot Suite Area" to unrestricted use and Building 37 and 37 Tunnels and Tunnel Annex to Unrestricted use (per KA letters 2/8/99)</p> <p>13 (bi) *Releases Building 35-1 (S&R) and "Test Tower Land" to unrestricted use (per KA letter 3/9/99)</p> <p>13 (bj) *Releases underground liquid waste storage tanks (per 2/11/85 report) to unrestricted use (per KA letter 5/17/99)</p>
139	5/6/99	13 (bf) *Releases Torrey Pines West Land Area (per KA letters 1/12/99 10/1/98) and Releases Building 27 (EA-1) and the Unaffected Office Areas of Building 21 (only) (per GA letters 11/2/98) to unrestricted use.
138	2/19/99	13 (be) Releases Building 36 and Building 45 (per letter 3/9/99).
137	2/19/99	13 (bd) Approves the request made 10/9/98 and 10/12/98 to refurbish Building 2, Group 10 labs and Building 30- Phase II rooms (request made before 12/98 approval for release to unrestricted use was received (LA #136).
136	12/15/98	13 (bc) Releases Group 10 labs in Building 2 and Building 30-Phase II (per letters 10/9/98 and 10/12/98) to unrestricted use.
135	12/10/98	13 (bb) Releases Building 30- Phase II rooms (per letters 7/29/98 and 9/3/98)
134	12/3/98	13 (ba) Approves the refilling of the excavation pits around the Hot Cell (per letter 9/30/98) and approves the removal of the whole body counter (per letter 10/21/98) and approves the release to disposal of soil that was excavated around Building 27-1 to Miramar Landfill (per letter 11/4/98).
133	11/30/98	13 (az) Approves the revisions to the Radiological Contingency Plan dated October 1997 (per letters 8/20/98 and 10/9/98).
132	10/26/98	13 (ay) Approves the release to unrestricted use of the metal roof over Building 27 (per letter 8/24/98).

**SUMMARY OF STATE OF CALIFORNIA
RADIOACTIVE MATERIAL LICENSE # 0145-37 AMENDMENTS
As of July 9, 2007**

Amendment No.	Amendment Date	What Amendment Does
131	10/1/98	13 (ax) Amends license to include letter dated October 10, 1997 with attachment dated October 6, 1997 regarding the Radiological Contingency Plan dated October 1997.
130	12/15/97	13 (aw) Releases "Group 9" Labs (building 2), "Building 30-Phase I" rooms, and the "Non-Impacted Areas" to Unrestricted Use.
129	10/21/97	13 (av) Approves GA's Revised Environmental Monitoring Program (letters dated March 13, 1997 and August 15, 1997).
128	9/19/97	13 (au) Adds the letter dated September 19, 1997 (regarding jurisdiction of facilities under the NRC, State of NRC and State - removal of the word "transfer") -- to the Approval of GA's Site Decommissioning Plan.
127	8/26/97 *Important*	13 (an) Approves GA's Site Decommissioning Plan (letters 10/14/96, 12/5/96, 4/18/97, 7/18/97 and 8/15/97).
126	3/13/97	13 (at) Releases the excavated (~7000 cubic feet) of soil, asphalt and/or gravel from areas from removal of underground piping around Building 39 (SVB) to local landfill for disposal.
125	12/13/96	13 (as) Releases the "Group 8B" labs in Building 2 to unrestricted use. Per letters 8/23/96, 11/7/96 and 11/11/96.
124	10/21/96	13(ar) Releases the "Group 8C" labs (Labs and in Building 2) to unrestricted use- (per letter dated 8/23/96). Group 8C is labs 647 and the 645/647 mezzanine previously used by the Biosciences group.

**SUMMARY OF STATE OF CALIFORNIA
RADIOACTIVE MATERIAL LICENSE # 0145-37 AMENDMENTS
As of July 9, 2007**

Amendment No.	Amendment Date	What Amendment Does
123	7/5/96	<p>13(aq) Releases the "Group 8A" labs (labs 649 and 651 in Building 2) to unrestricted use- 2 of the biosciences labs (per letter dated 5/13/96).</p> <p>Approves the amendment to the Hot Cell Decommissioning Plan authorizing release of liquids to the sanitary sewerage system if the levels meet the release criteria (per letter dated 5/17/96).</p> <p><u>Note:</u> The license number was changed from 0145-80 to 0145-37 by the State of CA. The last two numbers in the State's new system indicates the county code.</p>
122	3/22/96	Release of Vegetation Debris from near the Hot Cell Facility
121	2/22/96	13 AO Adds the GA Hot Cell Facility Decommissioning Plan dated 11/95
120	1/29/96	13 AN Releases Group 7 Laboratories in Building 2
119	9/5/95 *Important*	<ol style="list-style-type: none"> 1. Releases SVA site (former HTGR facility) and footprint to unrestricted use. 2. Releases low level soil/asphalt/concrete around Hot Cell to unrestricted use.
118	7/19/95	Authorizes testing and shipping of fuel cask at offsite location
117	5/31/95	Releases Group 6 labs (except Lab 534)
116	1/30/95	Revises Radiological Contingency Plan (EST's not 24 hr anymore)
115	2/10/94	Amendment to backfill ^30% of the trenches at SVA on the SVA Decommissioning Project
114	12/21/93	Revised State of Ca. License Amendment requiring GA to comply with 10CFR20 with some exceptions.
112	12/17/93	State of Ca. License Amendment requiring GA to comply with 10CFR20 (amendment noted as 112 instead of 113)
112	12/13/93	Allows storage of 30,000 Curies at Bldg.. 30 (Room 118) from the Hot Cell Facility.

**SUMMARY OF STATE OF CALIFORNIA
RADIOACTIVE MATERIAL LICENSE # 0145-37 AMENDMENTS
As of July 9, 2007**

Amendment No.	Amendment Date	What Amendment Does
98	1/18/90	Release of Group 4 Labs and Stage 2 of Bldg. 9.
97	11/7/89	Amended Report to Group 3 Labs added and releases Group 3 Labs and Stage 1 of Building 9 , Stage 1
96	6/14/89	Releases Group 2 Labs (CAL-1232 5/10/88) to unrestricted use.
95	5/25/89	Adds Linear Accelerator (CAL-1362 3/17/89)
94	10/12/88	Release of Areas B1 and B3 (18 acres) B1-15 acres of hillside B2 Callan Ponds
93	9/15/88	Releases the 277 acres of Chevron land (CAL-1257, 8/15/88)
92	4/18/88	Revises GA organization (CAL-1197 3/15/88)
91	3/23/88	Changes company name and address and adds new locations to License Condition 10 (10(c) Sorrento Electronics on Flanders, 10(d) Shipping and Receiving on Dunhill Street and incorporates final report (1/18/88) for release of 25 Building 2 labs (Group 1 Labs).
90	2/1/88	Removes Group 1 Labs (CAL-1152 12/4/87)
89	11/16/87	Deletes License Condition 10(c) and 10(d) which are old Sorrento Electronics locations
88	9/18/87	Adds 10240 & 10247 Flanders Court to our License (Sorrento Electronics) (CAL-111 9/2/87)
87	9/3/87	Final Report - Bldg. 9 . Releases it from License (CAL-1095 7/28/87)
86	5/14/87	Plan for D&D of Bldg. 9 (CAL-1049 3/27/87)
85	12/29/86	Annual Fee
84	5/16/86	License Renewed in its entirety

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Submittals Made in 1999									
DATE: July 10, 2007				v:d&d score card July 2007					
Building / Land Area Name	Bldg No.	Release Request Sent to				NRC Release Amendment		State Release Amendment	
		NRC Reference	NRC Date	State Reference	State Date	No.	Date	No.	Date
LINAC office area - Phase II	30	696-2949	7/30/98	CAL-2948	07/29/98	50	9/30/98	135	12/10/98
Bldg 2 - Group 10	2	696-2963	8/14/98	CAL-2962	8/14/98	49	9/30/98	136	12/15/98
Test Tower	35	696-2983	9/30/98	CAL-2982 CAL-3109 CAL-3169 CAL-3384	9/30/98 7/13/99 12/21/99 6/19/01	NA	6/22/99	149	10/05/01
Torrey Pines West Land	TPWL	SNM-2984 696/CAL-3029	10/1/98 1/12/99	CAL-2985 696/CAL-3029	10/1/98 1/12/99	53	04/22/99	139	5/7/99
Radiochemistry	27	SNM-3002	11/2/98	CAL-3003	11/2/98	54	5/14/99	139	5/7/99
TRIGA Reactor Admin area	21	SNM-3002	11/2/98	CAL-3003	11/2/98	54	5/14/99	139	5/7/99
TRIGA Fuel Fab Facility	22	696-3019 696/CAL-3054	12/22/98 3/23/99	CAL-3020 696/CAL-3054	12/22/98 3/23/99	55	5/14/99	140	9/10/99
Bldg 9 (Experimental Bldg) -Rm 049	9	696/CAL-3037	2/8/99	696/CAL-3037	2/8/99	56	6/07/99	140	9/10/99
SVA	37					56	6/07/99	140	9/10/99
SVA Tunnels & Tunnel Annex	37					56	6/07/99	140	9/10/99
Shipping & Receiving	35-1	696/CAL-3045	3/9/99	696/CAL-3045	3/9/99	57	7/26/99	140	9/10/99
SCWO	36					57	7/26/99	138	4/2/99
Shop	45					57	7/26/99	138	4/2/99
Test Tower Land	TTL					57	7/26/99	140	9/10/99
1984 Tanks (four)	9, 2(540) 21, 31	696/CAL-3081	5/17/99	696/CAL-3081	5/17/99	59	8/12/99	140	9/10/99
Sorrento Valley Central Land	SVCL	696/CAL- 3117	7/29/99	696/CAL- 3117	7/29/99	64	12/17/99	141	1/21/00
Lab Bldg - Group 11	2	696/CAL- 3118	8/3/99	696/CAL- 3118	8/3/99	62	11/23/99	141	1/21/00
QA/Cal Lab	42	696-3123	8/18/99	N/A	N/A	60	10/4/99	N/A	N/A
Torrey Pines South Land	TPS	696-3128	8/27/99	N/A	N/A	65	12/28/99	N/A	N/A
Storage&radiochem ops.	31-1	696/CAL-3130	8/27/99	696/CAL-3130	8/27/99	63	12/6/99	141	1/21/00

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Submittals Made in 2000

DATE: July 10, 2007

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Building / Land Area Name	Bldg No.	Release Request Sent to				NRC Release Amendment		State Release Amendment	
		NRC Reference	Date	State Reference	Date	No.	Date	No.	Date
Bldg 27 outside areas to the west, south & southeast, plus debris (T-18, T-23, T-36 and T-37)	27	CAL/696-3179	1/26/00	CAL/696-3179	1/26/00	67	9/18/00	142	6/27/00
LINAC Complex Phase III	30/31	CAL/696-3181	1/27/00	CAL/696-3181	1/27/00	67	9/18/00	142	6/27/00
Hot Cell Site	23	696/CAL-3206	3/10/00	696/CAL-3206	3/10/00	66	7/3/00	143	8/31/00
Sorrento Valley North Area incl. former site of Bldg 39	SVN/39	696/CAL-3218	3/20/00	696/CAL-3218	3/20/00	68	12/22/00	145	3/15/01
Bldg. 2 - Group 12 labs	2	696/CAL-3248	6/16/00	696/CAL-3248	6/16/00	68	12/22/00	145	3/15/01
SVN Soil/asphalt	SVN/39	696/CAL-3256	7/24/00	696/CAL-3256	7/24/00	68	12/22/00	145	3/15/01
Bldg. 2 - Group 13 labs State email gave O.K. for tenants to occupancy	2	696/CAL-3266	8/25/00	696/CAL-3266	8/25/00	69	2/09/01	145	3/15/01 2/23/01
T-10 and T-12	SSA	N/A	N/A	CAL-3271	9/12/00	N/A	N/A	144	11/09/00
T-19, 22, 25, 27, 34 and 45	SSA	N/A	N/A	CAL-3277	9/22/00	N/A	N/A	148	9/28/01
Bldg 27 outside areas to the east and northeast	27	CAL/696-3285	10/10/00	CAL/696-3285	10/10/00	70	5/11/01	145	3/15/01
T-1, T-39 and T-47	27 & 27-1	N/A	N/A	CAL-3281	10/5/00	N/A	N/A	148	9/28/01
T-31 and T-48	2 core	696-3287 and 696-3298	10/12/00 11/3/00	N/A	N/A	N/A letter	11/16/00 Mary Adams	N/A	N/A
T-4, T-35, T-40 and T-41	22	696-3296	11/3/00	N/A	N/A	N/A letter	5/17/01 letter D. Gillen	N/A	N/A
Torrey Pines Northeast	TPNE	696/CAL-3297 696/CAL-3312	11/7/00 01/11/01	696/CAL-3297 696/CAL-3312	11/7/00 01/11/01	70	5/11/01	149	10/05/01
T-9, T-29 and T-32	21 & 23	696-3303	11/13/00	N/A	N/A	N/A letter	5/17/01 letter D. Gillen	N/A	N/A

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Submittals Made in 2001

DATE: July 10, 2007

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Building / Land Area Name	Bldg No.	Release Request Sent to				NRC Release Amendment		State Release Amendment	
		NRC Reference	NRC Date	State Reference	State Date	No.	Date	No.	Date
Sorrento Valley West-Area 1	SVW	696/CAL-3311	1/10/01	696/CAL-3311	1/10/01	70	5/11/01	149	10/05/01
Sorrento Valley West - Areas 2 and 3	SVW	696/CAL-3329	2/15/01	696/CAL-3329	2/15/01	71	7/10/01	149	10/05/01
TFF Utility Corridor	21-23	696/CAL-3334	2/23/01	696/CAL-3334	2/23/01	71	7/10/01	149	10/05/01
SSA Bins T28,T-30, T-49 and T-50	21 & 22	696-3339	3/05/01	N/A	N/A	N/A letter	7/13/01 from M. Leach	N/A	N/A
Bldg 30, Phase V	30	CAL/696-3342	3/22/01	CAL/696-3342 CAL-3892	3/22/01 7/19/05				
Bldg 2 Corridor drain line trench	2	696/CAL-3353	4/4/01	696/CAL-3353 CAL-3422	4/4/01 11/28/01	72	11/16/01	158	7/8/04
Linac North Land Area	31- X	696/CAL-3366	4/30/01	696/CAL-3366 CAL-3422	4/30/01 11/28/01	72	11/16/01		
Torrey Pines South (excluding Bldg 33 and Rooms 702 & 702A of Bldg 10)	TPS	696-3128 TPS including all Bldgs	8/27/99	CAL-3387	6/28/01	65	12/28/99	158	7/8/04
LINAC Land Area*	N/A	CAL/696-3395	8/02/01	CAL/696-3395	8/02/01	77	7/11/03	159	7/15/04
Bldg 30/31 Phase IV	30 & 31	CAL/696-3404	9/06/01	CAL/696-3404 CAL-3940	9/06/01 11/30/05				
QA/Cal Laboratory	42	696-3123	8/18/99	CAL-3406	9/17/01	60	10/4/99	149	10/05/01
Torrey Pines East Land	N/A	696/CAL-3420	11/20/01	696/CAL-3420 CAL-3432	11/20/01 2/14/02	73	2/4/02	158	7/8/04

OTHER SUBMITTALS:

Main Site & SV Site Sewer Survey Plan for NRC/CA "In-progress" surveys	All	696/CAL-3373	5/22/01	696/CAL-3373	5/22/01	Only the Plan was submitted. Release request as part of "Sewer Project"
		696/CAL-3400	8/20/01	696/CAL-3400	8/20/01	

* Lead transferred to NRC

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Submittals Made in 2002

DATE: July 10, 2007

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Building / Land Area Name	Bldg No.	Release Request Sent to				NRC Release Amendment		State Release Amendment	
		NRC Reference	NRC Date	State Reference	State Date	No.	Date	No.	Date
Sewer line trench S-13 to S-18	25	696/CAL-3429	2/4/02	696/CAL-3429 CAL-3497	2/4/02 7/18/02	74	6/19/02		
Bunker Land Area*	27-1	CAL/696-3451	4/5/02	CAL/696-3451	4/5/02	77	7/11/03	167	8/8/06
Sewer line trench S-18 to Bldg 31-1 (Request to Backfill ONLY)	31-1	696/CAL-3453	4/8/02	696/CAL-3453 CAL-3497	4/8/02 7/18/02				
Request to Release S-18 to Bldg 31-1 trench included in "Final Sewer Project"		696/CAL-3724	4/20/04	696/CAL-3724	4/20/04	82	8/26/04		
Torrey Pines North Hillside-Sections A, B, D and unaffected C	N/A	696/CAL-3508	8/30/02	696/CAL-3508 CAL-3556	8/30/02 1/7/03	75	12/9/02		
TRIGA Trailer Land Area	N/A	696/CAL-3517	9/27/02	696/CAL-3517 CAL-3556	9/27/02 1/7/03	75	12/9/02		
SEI	79	N/A	N/A	CAL-3524	10/09/02	N/A	N/A	150	2/3/03
TRIGA Electrical Pad	21	696-3525	10/9/02	cc 696-3525	10/9/02	77	7/11/03	Ltr ¹	7/30/03
Bldg 27 Service Yard*	27	696/CAL-3540	11/20/02	696/CAL-3540	11/20/02	77	7/11/03	159	7/15/04
Room 103A of Bldg 31	31	696/CAL-3552	12/18/02	696/CAL-3552	12/18/02	77	7/11/03	158	7/8/04

* Lead transferred to NRC

¹ Letter dated July 30, 2003 from Ed Bailey, Chief RHB to Keith Asmussen wherein DHS-RHB concludes that the release of the TRIGA® Reactor Facility Electrical Pad is under the discretion of the NRC and not an authorized location under the State license. (The NRC has released this electrical pad). (Per GA's 10/9/02 request to the State).

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Submittals Made in 2003

DATE: July 10, 2007 v:\d&d score card July 2007									
Building / Land Area Name	Bldg No.	Release Request Sent to				NRC Release Amendment		State Release Amendment	
		NRC		State		No.	Date	No.	Date
		Reference	Date	Reference	Date				
TPNH Section C. suspect affected area	N/A	696/CAL-3558	1/14/03	696/CAL-3558	1/14/03	77	7/11/03		
Area 4 of the Sorrento Valley West Land Area	N/A	696/CAL-3579	3/18/03	696/CAL-3579	3/18/03	79	10/6/03	162	1/12/06
Bunker located on Area 5 of SVW Land	N/A	696/CAL-3608 & 3623	6/11/03 7/14/03	696/CAL-3608 & 3623	6/11/03 7/14/03	79	10/6/03	158	7/8/04
Building 25 Site***	25	CAL/696-3622	7/10/03	CAL/696-3622	7/10/03	84	11/28/05		
SVW Land Area 5	N/A	696/CAL-3660	10/20/03	696/CAL-3660	10/20/03	80	1/30/04		
Bldg. 2 Roof	2	696/CAL-3665	10/31/03	696/CAL-3665	10/31/03	80	1/30/04		

*** GA requested that the lead agency for the former Nuclear Waste Processing Facility (NWPF) which includes the former Building 25 site and surrounding area, and the Sorrento Valley South Land Area (this land area includes Building 41, the NWPF DTSC area and the rest of Sorrento Valley South Land Area) per Keith Asmussen Letter dated March 11, 2004 (696/CAL-3709) "Request for NRC to be the Lead Agency for the Release of GA's Nuclear Waste Processing Facility and Surrounding Areas (a.k.a. Sorrento Valley South Land Area and the former Building 25 Site) to Unrestricted Use" and letter and 3/28/05 (696/CAL-3855) which provided more detail on the use of SNM at the NWPF. The transfer of the lead agency from the State DHS to the NRC was approved by both the NRC (letter dated 7/19/05) and the State (letter dated 5/18/05).

Submittals Made in 2004

DATE: June 1, 2007 v:\d&d score card June 2007									
Building / Land Area Name	Bldg No.	Release Request Sent to				NRC Release Amendment		State Release Amendment	
		NRC		State		No.	Date	No.	Date
		Reference	Date	Reference	Date				
"Sewer Project" Report**	MS/SV	696/CAL-3724	4/20/04	696/CAL-3724	4/20/04	82	8/26/04		

** Includes Main Site and Sorrento Valley Sewer System with the exception of the S-13 to S-18 Trench and the Building 2 Service Corridor Trench.

- Updated with all WORK COMPLETED as of July 10, 2007. Changes since the last update August 23, 2005- are shown in red. Green shaded are released by both NRC and State, purple shaded are released by NRC but not State. (yellow) areas - GA submitted release requests.

Submittals Made in 2005									
DATE: July 10, 2007				v:\d&d score card July 2007					
Building / Land Area Name	Bldg No.	Release Request Sent to				NRC Release Amendment		State Release Amendment	
		NRC Reference	Date	State Reference	Date	No.	Date	No.	Date
Non-Impacted Remaining Portion of Building 41	41	696/CAL-3852	3/18/05	696/CAL-3852	3/18/05	83	8/25/05	167	8/8/06
DTSC Permitted Area (NWPF-1) of the Nuclear Waste Processing Facility	41	696/CAL-3853	3/23/05	696/CAL-3853	3/23/05	83	8/25/05	167	8/8/06
Remaining Portions of the Sorrento Valley South Land Area	—	696/CAL- 3871	5/23/05	696/CAL- 3871	5/23/05	83	8/25/05	167	8/8/06

Submittals Made in 2006									
DATE: July 10, 2007				v:\d&d score card July 2007					
Building / Land Area Name	Bldg No.	Release Request Sent to				NRC Release Amendment		State Release Amendment	
		NRC Reference	Date	State Reference	Date	No.	Date	No.	Date
Non-TRIGA Reactor Portion of Building 21 <u>ROOF</u>	21	696-3957	2/6/06	N/A	N/A	85	5/18/06	N/A	N/A
Lab 407 of Building 2	2	N/A	N/A	CAL-3982	6/21/06	N/A	N/A		
Non-reactor Portion of the TRIGA (Building 21) Reactor Site	21	696-4039	11/20/06	N/A	N/A	88	5/14/07	N/A	N/A
Building 2, Service Corridor A	2	696/CAL-4044	12/6/06	696/CAL-4044	12/6/06	88	5/14/07		

- Updated with all WORK COMPLETED as of July 10, 2007. Changes since the last update August 23, 2005- are shown in red. **Green shaded** are released by both NRC and State, **purple shaded** are released by NRC but not State. (yellow) areas - GA submitted release requests.

Submittals Made in 2007									
DATE: July 10, 2007				v:\d&d score card July 2007					
Building / Land Area Name	Bldg No.	Release Request Sent to				NRC Release Amendment		State Release Amendment	
		NRC Reference	Date	State Reference	Date	No.	Date	No.	Date
Former L-307 Tank Pit Site	2	696/CAL-4058	2/7/07	696/CAL-4058	2/7/07	88	5/14/07		
Abandoned Rabbit Tube	21	696/CAL-4062	3/6/07	696/CAL-4062	3/6/07	87	4/13/07		
Building 2, Service Corridor B	2	696/CAL-4064	3/7/07	696/CAL-4064	3/7/07	87	4/13/07		
Building 2, Service Corridor C	2	696/CAL-4067	3/14/07	696/CAL-4067	3/14/07	87	4/13/07		
Building 2 Former Diazyme Laboratories (517, 523, 530/532/534, 560/562/564 and 645	2	N/A	N/A	CAL-4098	6/22/07	N/A	N/A	171	7/2/07

- Updated with all WORK COMPLETED as of July 10, 2007. Changes since the last update August 23, 2005- are shown in red. Green shaded are released by both NRC and State, purple shaded are released by NRC but not State. (yellow) areas - GA submitted release requests.

Facilities Requested to be Added to State License beginning in 2000							
Year	Building Name	Bldg No.	Amendment Request Reference	Amendment Request Date	Amendment No.	Amendment Date	Released ? (As of 7/10/07)
2000	Bldg 2 Labs 517 and 530/532 (Diazyme)	2	CAL-3243	6/16/00	142	6/27/00	Yes
2000	Building 77 - GA-ESI (formerly Sorrento Electronics) located at 4949 Greencraig Lane)	77	CAL-3301 CAL-3360	11/8/00 4/13/01	146	7/6/01	No
2001	Bldg 2: Labs 523, 534 and 560/562/564 (Diazyme)	2	CAL-3385	6/20/01	147	9/19/01	Yes
2002	Building 30 Room 102	30	CAL-3463; requested room 102 of bldg 30 be deleted from 30/31 Phase IV release request (Allowing its use again)	5/08/02	N/A	N/A	No
2002	Building 30 Room 102	30	CAL-3473 Requested room 102 of bldg 30 be added back in to Phase IV release request (did not need this lab after all)	6/3/02	N/A	N/A	No
2003	Building 30 Room 104A	30	CAL-3578 Requested Room 104A be added as authorized place of use. This room had been previously released to unrestricted use as part of Phase III Building 30.	3/14/03	151	3/27/03	No
2004	Laboratory Bldg. 2 Room 407	2	CAL- 3727 Thin film lab (³ H)	4/27/04	155	5-6-04	No (pending)
2007	New Diazyme Facility located at 12889 Gregg Court, Poway, California 92064;	85	New Diazyme Laboratories		170	6/6/07	No

Update:

- (1) Laboratory 407 of Building 2 requested to be released from license 6/21/06 (awaiting release).
- (2) Diazyme labs were decommissioned (May/June 2007) and released by state.
- (3) State license now allows GA to add or delete labs in Building 2 without a specific license amendment.
- (4) New Diazyme facility in Poway added.

Prepared by Laura Gonzales

Additions 8/15/05 through 8/7/07 are shown in red

DD = Degree of Difficulty

E = Easy

B = In between easy and hard

H = Hard

P= GA Priority

1 Top Priority

2 Medium Priority

3 Low Priority

List of the Seventeen (17) Pending State of CA Requests as of August 7, 2007

DD/P	Status	Request	References	Released? (Status?)
B 1	1 Open	Building 30 - Phase V	<p>Dr. Keith Asmussen Letter March 22, 2001 to Dr. Ronald Rogus and Ms. Mary Adams, (696/CAL-3342) "Request to Release a Certain Portion of General Atomics' Site to Unrestricted Use and Delete it From License: Namely, Building 30 - Phase V.</p> <p>Keith Asmussen Letter July 19, 2005 to Ms. Sudana Kwok, (CAL-3892), "Responses to Comments Regarding GA's Final Radiological Survey Report for the Phase V Area of the Building 30/31 Complex"</p>	<p>No</p> <p>Per letter dated May 1, 2001 from Mary Adams (NRC) to Keith Asmussen, the State has the lead for Building 30-Phase V</p> <p>The State Confirmatory Survey of Phases IV and V of the Building 30/31 complex was completed February 25-27, 2002 by Dr. Mina Goeders, Roger Lupo, John Rexroth and Steven Pay. The State was informed of GA's plan to refurbish the rooms now, at GA's risk (not wait for a release).</p>
H-3 H 2	2 Open	LINAC North Land Area	<p>Keith Asmussen Letter April 30, 2001 to Ms. Mary Adams and Dr. Ronald Rogus (696/CAL-3366) "Request to Release Certain Portions of General Atomics' Facility to Unrestricted Use and Delete them from License: Namely, the LINAC North Land Area".</p> <p>Keith Asmussen Letter dated November 28, 2001 to Ms. Sudana Kwok (CAL-3422) "Transmittal of Copy of NRC SNM-696 License Amendment No. 72 Which Releases the Following to Unrestricted Use: (1) Building 2 Service Corridor Drain Line Trench and (2) LINAC North Land Area; and Copy of NRC Inspection Report 70-734/01-03"</p>	<p>The NRC released LINAC North Land Area; awaiting State release.</p> <p>NRC inspection report dated 10/16/01 has been received by GA (70-734/01-03). Released per license amendment #72 (11/16/01)</p>

List of the Seventeen (17) Pending State of CA Requests as of August 7, 2007				
DD/P	Status	Request	References	Released? (Status?)
B 1	3 Open	Building 30/31 - Phase IV	<p>Keith Asmussen Letter dated September 6, 2001 (CAL/696-3404), "Request to Release Certain Portions of General Atomics' Facility to Unrestricted Use and Delete them from its License: Namely, Building 30/31 - Phase IV".</p> <p>Dr. Keith Asmussen letter dated November 30, 2005 to Dr. Ronald Rogus (CAL-3940), "Response to Comments Re:GA's Final Survey Report for Phase IV area of Bldg 30/31 Complex and Submittal of Revised Building 30/31 Phase IV Report"</p>	<p>No</p> <p>The State Confirmatory Survey of Phases IV and V of the Building 30/31 complex was completed February 25-27, 2002 by Dr. Mina Goeders, Roger Lupo, John Rexroth and Steven Pay.</p> <p>The State was informed of GA's plan to refurbish the rooms now, at GA's risk (not wait for a release).</p> <p>Per letter dated May 1, 2001 from Mary Adams (NRC) to Keith Asmussen, the State of CA has the lead for Building 30-Phase V. NRC will release after NRC releases.</p>

List of the Seventeen (17) Pending State of CA Requests as of August 7, 2007

DD/P	Status	Request	References	Released? (Status?)
B3 B2	4 Open	Sewer Line Trench S-18 to S-15 to S-13	<p>Keith Asmussen Letter dated February 4, 2002 (696/CAL-3429), "Request to Release Certain Portions of General Atomics' Facility to Unrestricted Use and Delete them from its License: Namely, Sewer Line Trench S-18 to S-15 to S-13".</p> <p>Keith Asmussen Letter dated July 18, 2002 (CAL-3497), "Transmittal of Copy of NRC SNM-696 License Amendment No. 74 Which Releases the Sewer Line Trench S-18 to S-15 to S-13 to Unrestricted Use and Concurrence to Backfill Sewer Line Trench from S-18 to Building 31-1, <u>and</u> Copies of NRC Inspection Report 70-734/02-01 dated March 14, 2002 and NRC Inspection Report 70-734/02-02 dated May 16, 2002".</p>	<p>Released by NRC; awaiting State Release</p> <p>Rob Evans from NRC's Region IV conducted a confirmatory survey February 11- 13, 2002. See NRC Inspection Report 70-734/02-01 dated March 14, 2002.</p> <p>GA requested concurrence from the NRC and State to backfill the trench. Concurrence received on March 18, 2002. Trench backfilled.</p> <p>The NRC released the trench (and the "extra" soil) per NRC License Amendment No. 74 issued June 19, 2002.</p> <p>The State sent a letter approving the backfilling but requesting that GA hold the "extra" soil on site until further evaluation. Soil is inside a fenced, controlled area on the main site.</p> <p><u>Update 8/30/05</u> - GA plans to collect 30 representative soil samples from the soil pile. Disposition will depend on the results.</p> <p><u>Updated 11/05</u> - GA collected the 30 soil samples and submitted a release request (all background) - see 4A below.</p>
E 1	4A Open	Soil Pile from Sewer Line S-18 to S-15 to S-13 Removal	Dr. Keith Asmussen Letter dated November 2, 2005 (CAL-3925) to Dr. Ronald Rogus, "Request to Release Remaining S-18 to S-13 Sewer Trench Soil"	GA collected 30 representative soil samples (after removing all vegetation growth from the pile and leveling to a height of about 3'). Core samples were taken in 10 location and samples analyzed between 0-1', 1'-2' and 2'-3'. Results were not discernable from normal background levels.

List of the Seventeen (17) Pending State of CA Requests as of August 7, 2007

DD/P	Status	Request	References	Released? (Status?)
B 3	5 Open	Torrey Pines North Hillside (TPNH) Land Area - Sections A, B, D and Unaffected Area of Section C	<p>Keith Asmussen Letter dated August 30, 2002 (696/CAL-3508), "Request to Release Certain Portions of General Atomics' Facility to Unrestricted Use and Delete them from its License: Namely, Torrey Pines North Hillside (TPNH) Land Area - Sections A, B, D and Unaffected Areas of Section C.</p> <p>Keith Asmussen Letter dated January 7, 2003 (CAL-3556), "Transmittal of (1) Copy of NRC SNM-696 License Amendment No. 75 Which Releases the TRIGA Trailer Land Area <u>and</u> Portions of Torrey Pines North Hillside (Sections A, B, D and Unaffected Area of Section C) to Unrestricted Use and (2) Copy of NRC Inspection Report 70-734/02-03 dated November 14, 2002".</p>	<p>Released by NRC, awaiting State Release</p> <p>The NRC has the lead on the Torrey Pines North Hillside Land Area. A portion(the Suspect Affected Area of Section C) will be the subject of a future report.</p> <p>Wayne Britz (NRC) conducted a confirmatory survey of this land area September 30-October 3, 2002. NRC Inspection Report 70-734/02-03 documents the results of the inspection and SNM-696 License Amendment #75 releases the Torrey Pines North Hillside (Sections A, B, D and Unaffected Area of Section C) to Unrestricted Use</p>
E 3	6 Open	TRIGA® Trailer Land Area	<p>Keith Asmussen Letter dated September 27, 2002 (696/CAL-3517), " Request to Release "TRIGA® Trailer Land Area" to Unrestricted Use and Delete it from GA's License.</p> <p>Keith Asmussen Letter dated January 7, 2003 (CAL-3556), "Transmittal of (1) Copy of NRC SNM-696 License Amendment No. 75 Which Releases the TRIGA Trailer Land Area <u>and</u> Portions of Torrey Pines North Hillside (Sections A, B, D and Unaffected Area of Section C) to Unrestricted Use and (2) Copy of NRC Inspection Report 70-734/02-03 dated November 14, 2002".</p>	<p>Released by NRC, awaiting State Release</p> <p>The NRC has the lead on the TRIGA® Trailer Land Area.</p> <p>Wayne Britz (NRC) conducted a confirmatory survey of this land area September 30-October 3, 2002. NRC Inspection Report 70-734/02-03 documents the results of the inspection and SNM-696 License Amendment #75 releases the TRIGA® Trailer Land Area. to Unrestricted Use.</p>

List of the Seventeen (17) Pending State of CA Requests as of August 7, 2007

DD/P	Status	Request	References	Released? (Status?)
H 3	7 Open	Torrey Pines North Hillside (TPNH) Land Area - Suspect Affected Area of Section C	<p>Keith Asmussen Letter dated January 14, 2003 (696/CAL-3558), "Request to Release Certain Portions of General Atomics' Facility to Unrestricted Use and Delete them from its License: Namely, Torrey Pines North Hillside (TPNH) Land Area - Suspect Affected Area of Section C.</p> <p>Keith Asmussen Letter dated July 18, 003 (CAL-3625), "Transmittal of (1) Copy of NRC SNM-696 License Amendment No. 77 Which Releases Torrey Pines North Land Area - Suspect Affected Area of Section C, Building 31, Room 103A, Service Yard of Building 27, TRIGA Reactor Facility Electrical Pad, Building 27-1 (EA-1 Bunker) and LINAC Land Area to Unrestricted Use and (2) Copy of NRC Inspection Report 70-734/70-734/03-01 dated May 8, 2003.</p>	<p>NRC has released TPNH - Suspect Area of Section C; awaiting State release.</p> <p>The NRC confirmatory survey was conducted by Wayne Britz 3/10/03-3/14/03.</p> <p>The results are documented in NRC Inspection Report 70-734/70-734/03-01 dated May 8, 2003. Released per License Amendment No. 77 to NRC License No. SNM-696 dated July 11, 2003</p>

List of the Seventeen (17) Pending State of CA Requests as of August 7, 2007

DD/P	Status	Request	References	Released? (Status?)
E 2	8 Open	Former Building 25 Site	<p>Keith Asmussen Letter dated July 10, 2003 (CAL/696-3622). "Request to Release a Certain Portion of General Atomics' Facility to Unrestricted Use and Delete it from License 0145-37: Namely, the Former Building 25 Site".</p> <p>Keith Asmussen Letter dated March 11, 2004 (696/CAL-3709) "Request for NRC to be the Lead Agency for the Release of GA's Nuclear Waste Processing Facility and Surrounding Areas (a.k.a. Sorrento Valley South Land Area and the former Building 25 Site) to Unrestricted Use"</p> <p>Keith Asmussen Letter dated April 4, 2005 (696/CAL-3855) "Request for NRC to be the Lead Agency for the Release of GA's Nuclear Waste Processing Facility and Adjacent Surrounding Areas to Unrestricted Use"</p> <p>Keith Asmussen Letter dated July 12, 2006 (CAL-4003) to Dr. Ron Rogus. "Transmittal of: A Copy of Amendment No. 84 to NRC License No. SNM-696 dated November 25, 2005.</p>	<p>No</p> <p>D&D began 1/03. Entire building packaged sent to rad waste at NTS Release request submitted 7/10/03 to NRC & State CAL/696-3622.</p> <p><i>State In-Process Survey at the Building 25 Site</i> - Tom Schell from the State of California was at GA on Wednesday, April 10, 2003 to conduct "in-process" surveys at the Building 25 site. A total of 5 soil samples were collected (split sampling with GA).</p> <p>Request to transfer from State to NRC submitted by GA on 3/11/04 (696/CAL-3709) (includes both the former Building 25 site and the Sorrento Valley South Land Area which includes Building 41 and the surrounding storage yards).</p> <p>NRC confirmatory completed by Rick Muñoz (NRC Region IV) March 29-30, 2004.</p> <p>Released by NRC November 28, 2005 (license amendment #84)</p>

List of the Seventeen (17) Pending State of CA Requests as of August 7, 2007

DD/P	Status	Request	References	Released? (Status?)
B 1	9 Open	Area 5 of Sorrento Valley West Land Area	<p>Keith Asmussen Letter dated October 23, 2003 (696/CAL-3660), "Request to Release a Certain Portion of General Atomics' Facility to Unrestricted Use and Delete it from License 0145-37: Namely, Area 5 of the Sorrento Valley West Land Area".</p> <p>Keith Asmussen Letter dated February 5, 2004 (CAL-3692) to Ms. Sudana Kwok, "Radioactive Materials License No. 0145-37; Transmittal of: A Copy of (1) Amendment No. 80 to NRC License No. SNM-696 dated January 30, 2004 (Releases GA's Area 5 of Sorrento Valley West Land Area and the Roof of GA's Building 2 and (2) A Copy of NRC Inspection Report 070-00734/03-004, dated December 30, 2003".</p>	<p>Released by NRC, awaiting State release</p> <p>The NRC performed an in-process survey of Area 5 of the Sorrento Valley West Land Area during the week of 10/20/03 through 10/23/03. Soil samples were collected (6 plus a background sample) in Area 5.</p> <p>The NRC released Area 5 of SVW Land Area - Amendment No. 80 dated January 30, 2004 - to unrestricted use.</p> <p>Awaiting State Release.</p>
E 3 E 2	10 Open	Building 2 Roof	<p>Keith Asmussen Letter dated October 31, 2003 (696/CAL-3665). Request to Release a Certain Portion of General Atomics' Facility to Unrestricted Use and Delete it from License 0145-37: Namely, the Roof of GA's Building 2".</p> <p>Keith Asmussen Letter dated February 5, 2004 (CAL-3692) to Ms. Sudana Kwok, "Radioactive Materials License No. 0145-37; Transmittal of: A Copy of (1) Amendment No. 80 to NRC License No. SNM-696 dated January 30, 2004 (Releases GA's Area 5 of Sorrento Valley West Land Area and the Roof of GA's Building 2 and (2) A Copy of NRC Inspection Report 070-00734/03-004, dated December 30, 2003".</p>	<p>Released by NRC, awaiting State release</p> <p>The NRC performed an in-process survey of the Building 2 Roof during the week of 10/20/03 through 10/23/03.</p> <p>The NRC released the Building 2 Roof - Amendment No. 80 dated January 30, 2004 - to unrestricted use.</p> <p>Awaiting State release.</p>

List of the Seventeen (17) Pending State of CA Requests as of August 7, 2007

DD/P	Status	Request	References	Released? (Status?)
H 3	11 Open	Sewer Project	<p>Keith Asmussen Letter dated April 20, 2004 (696/CAL-3724) to Ms. Sudana Kwok, "Request to Release a Certain Portion of General Atomics' Facility to Unrestricted Use and Delete it from License: Namely, GA's "Sewer Project".</p> <p>(Includes Main Site and Sorrento Valley Sewer System with the exception of the S-13 to S-18 Trench and the Building 2 Service Corridor Trench)</p> <p>Keith Asmussen Letter dated October 1, 2004 (CAL-3800) to Ms. Sudana Kwok, "Transmittal of: A Copy of Amendment No. 82 to NRC License No. SNM-696 dated August 26, 2004 (Releases GA's Sewer System).</p>	<p>Released by the NRC; awaiting State release</p> <p>NRC in-process surveys were completed during this project (see Final Report). One State of CA DHS/RHB in-process survey also completed during this project.</p> <p>The NRC released the GA Sewer System (aka "Sewer Project" to unrestricted use 8/26/04 (SNM-696 license amendment #82). This includes the Main Site and Sorrento Valley Sewer Systems (including vaults) per KA Letter 4/20/04 (696/CAL-3724) but does not include the S-13 to S-18 drain line trench or Building 2 Sewer System (under separate releases).</p>
E3 E2	12 Open	Lab 407 of Building 2	<p>Keith Asmussen Letter dated June 21, 2006 (CAL-3982) to Dr. Ron Rogus, "Request to Release a Certain Portion of General Atomics's Facility to Unrestricted Use and Delete it from License 0145-37: Namely, GA's "Lab 407 of Building 2"</p> <p align="center">tritium</p>	<p>The lab had been previously released by NRC and State. Added back to GA's State license 6/25/04 (license amendment #157).</p>

List of the Seventeen (17) Pending State of CA Requests as of August 7, 2007				
DD/P	Status	Request	References	Released? (Status?)
B3	13 Open	Section A of Building 2 Service Corridor	<p>Keith Asmussen Letter dated December 6, 2006 (CAL-4044) to Merrit N. Baker (NRC) and Dr. Ron Rogus (State), "Request to Release a Certain Portion of General Atomic's Facility to Unrestricted Use and Delete it from License SNM-696 and 0145-37: Namely, GA's "Section B of the Building 2 Service Corridor"</p> <p>E-mail sent July 25, 2007 (Laura Gonzales to Ron Rogus) with attachments: (1) SNM-696 license amendment #88 and (2) NRC Inspection Report 05-002.</p>	<p>Released by NRC; awaiting State Release</p> <p>NRC Confirmatory Survey performed. Released by NRC- SNM-696 license amendment #88 dated May 14, 2007.</p>
H5 H2	14 Open	Former L-307 Tank Pit Site	<p>Keith Asmussen Letter dated February 7, 2007 (696/CAL-4058 "Request to Release a Certain Portion of General Atomics Facility to Unrestricted Use and Delete it from License SNM-696 and 0145-37: Namely, GA's "Former L-307 Tank Pit Site"</p> <p>E-mail sent July 25, 2007 with attachments: (1) SNM-696 license amendment #88 and (2) NRC inspection report 07-001.</p>	<p>Released by NRC, awaiting State Release</p> <p>NRC Inspection and Confirmatory Surveys - An NRC Routine Inspection and Confirmatory Surveys were performed February 26 - March 1, 2007 by Robert "Bob" Evans, Emilio Garcia and Janine Katonic . Released by NRC (license amendment #88 dated 5/14/07).</p>
B3	15 Open	Section B of Building 2 Service Corridor	<p>Keith Asmussen Letter dated March 7, 2007 (696/CAL-4064), "Request to Release a Certain Portion of General Atomics' Facility to Unrestricted Use and Delete it from License SNM-696: Namely, GA's "Section B of the Building 2 Service Corridor"</p> <p>E-mail sent July 25, 2007 with attachments: (1) SNM-696 license amendment #87 and (2) NRC inspection report 06-001.</p>	<p>Released by NRC, awaiting State release</p> <p>The NRC has released Section B per SNM-696 license amendment # 87 dated April 13, 2007.</p>

List of the Seventeen (17) Pending State of CA Requests as of August 7, 2007				
DD/P	Status	Request	References	Released? (Status?)
B3	16 Open	Section C of Building 2 Service Corridor	Keith Asmussen Letter dated March 14, 2007 (696/CAL-4067), "Request to Release a Certain Portion of General Atomic's Facility to Unrestricted Use and Delete it from License SNM-696: Namely, GA's "Section C" of the Building 2 Service Corridor" E-mail sent July 25, 2007 with attachments: (1) SNM-696 license amendment #87 and (2) NRC inspection report 06-001.	Released by NRC, awaiting State release The NRC has released Section C per SNM-696 license amendment # 87 dated April 13, 2007.
E3	17 Open	Abandoned Rabbit Tube	Keith Asmussen Letter dated March 6, 2007 (696/CAL-4062), "Request to Release a Certain Portion of General Atomics Facility to Unrestricted Use and Delete it from License No. SNM-696: Namely, GA's "Abandoned Rabbit Tube." E-mail sent July 25, 2007 with attachments: (1) SNM-696 license amendment #87 and (2) NRC inspection report 06-001).	Released by NRC, awaiting State release The NRC has released the "Abandoned Rabbit Tube" per SNM-696 license amendment # 87 dated 4/13/07.

Other requests made by GA are as follows:

Request #1 (Open):

The State of California was requested to relinquish regulatory authority for the Building 21 site (TRIGA Reactor Facility and surrounding land area) per Letter dated October 9, 2002 (696-3525) to Ms. Mary Adams, (NRC: Request to Release "TRIGA® Reactor Facility Electrical Pad" to Unrestricted Use and Delete it from GA's License) and Ms. Sudana Kwok, (State: Request for State to Acknowledge NRC's Sole Jurisdiction Over GA's TRIGA® Reactor Related Release Requests).

Open: Open pending resolution of various areas within the Building 21 site which will remain under the State license. Released by NRC - NRC Inspection Report 70-734/70-734/03-01 dated May 8, 2003. License Amendment No. 77 to NRC License No. SNM-696 dated July 11, 2003

Update: Letter dated July 30, 2003 from Ed Bailey, Chief RHB to Keith Asmussen wherein DHS-RHB concludes that the release of the TRIGA® Reactor Facility Electrical Pad is under the discretion of the NRC and not an authorized location under the State license. (The NRC has released this electrical pad). (Per GA's 10/9/02 request to the State). Action: GA to send a more specific letter for all of the Building 21 Site.

V:\table s 1 rev 21 (Rev 20 dated 7-11-07 revised 8-14-07 (rev 21) with changes agreed to in joint meeting held on August 8-9, 2007).

Note: Changes since the August 29, 2005 and August 31, 2005 versions are shown in Red. Areas released by both NRC and State are shown with Green background. Areas released by NRC but not State are shown with purple background. Areas w/ submitted release requests are shown in (yellow). Pink statements should be discussed.

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
1	Admin Bldg.	Offices	none	RELEASED by NRC and State		None		
2 ⁽²⁾ Laboratories	Science Laboratory Building (a.k.a. "L" or Laboratories Bldg.) Except Labs 517, 523, 530/532/534, 560/562/564 & 407	R&D, Testing, Experimental	Byproduct	RELEASED by NRC and State	NRC & State	None expected	Lab Specific	Lab Specific
	Labs 517, 523, 530/532/534, 560/562/564	Diazyme Labs	Byproduct	RELEASED by State State licensed materials in use in Labs 517 and 530/532 (Amend. 142); and Labs 523, 534, 560/ 562/564 (Amend. 147). Decommissioned May/June 2007. Release request 6/22/07 CAL-4098. Released by State (LA #171 7/2/07)	State	No clean-up required.	Lab Specific	Lab Specific
	Lab 645	Diazyme Lab	Byproduct	RELEASED by State Added to Diazyme labs (allowed to add labs without license amendment per license amendment #161, 7/26/05). Decommissioned May/June 2007. Released by State (LA #171, 7/2/07)	State	No clean-up required.	Lab Specific	Lab Specific

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
	Lab 407	407 (tritium diffusion lab)	Byproduct	Lab 407 (added with Amend. 155 dated 5/6/04). Request to release CAL-3982, 12/6/06 NRC release N/A	State		None	
2 Service Corridor Section A	Service Corridor Section A	Service Corridor Utility Area Storage Only	Storage Only	RELEASED by NRC amend 88 5/14/07 Awaiting State Release Release Requested December 6, 2006 (696/CAL-4044)	NRC State to release after NRC release	Some Remediation Completed	Minor D&D	Location Dependent
2 Service Corridor Section B	Service Corridor Section B	Service Corridor Utility Area Storage Only	Storage Only	RELEASED by NRC amend 87 4/13/07 Awaiting State Release Release Requested March 7, 2007 (696/CAL-4064)	NRC State to release after NRC release	Some Remediation Completed	Minor D&D	Location Dependent
2 Service Corridor Section C	Service Corridor Section C	Service Corridor Utility Area Storage Only	Storage Only	RELEASED by NRC amend 87 4/13/07 Awaiting State Release Release Requested March 14, 2007 (696/CAL-4067)	NRC State to release after NRC release	Some Remediation Completed	Minor D&D	Location Dependent

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach (4)	Final Survey Required
2 Roof	Entire Roof of Building 2		N/A	RELEASED by NRC amend 80 1/30/04 Awaiting State Release Release Requested 696/CAL-3665 10/31/03	NRC State to release after NRC release	Some Remediation Completed	Minor D&D Additional remediation of roof completed after report submitted. Material Above background sent to an approved Low Level Waste Disposal Facility. Supplemental report to be submitted to State.	Level and location dependent
7	Cafeteria	Dining, offices, meeting rooms	None	RELEASED by NRC and State				
9 (except Rm 049)	experimental and office areas			RELEASED by NRC and State in several "stages"				
Room 049 of Bldg 9	Experimental Building	TRIGA Fuel Fabrication prior to 1976	SNM	RELEASED by NRC on 6/7/99 and by State on 9/10/99		None expected	Moderate D&D Approach B	Affected Area Survey
10 (except Rooms 702 and 702A)	Health Physics Building	Offices plus Calibration of rad detection equipment was performed in Room 700	None, except sealed sources were used in Room 700	RELEASED BY NRC AND STATE Release requested as part of Torrey Pines South 6/28/01) State Amend 158 7/8/04	State deleted from NRC license	No	No D&D needed.	Unaffected Area Survey
Rooms 702 and 702A of Bldg 10	HP Lab	Analyses of HP samples	Byproduct, sealed sources	In use. Health Physics Laboratory (since ~12/96)	State	No	Remove sources and equipment including hood and ducts Approach B	Affected Area Survey

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
13	Office Bldgs.	Offices	None	RELEASED by NRC and State		None		
14	Office Bldgs.	Offices	None	RELEASED by NRC and State		None		
15	Office Bldgs.	Offices	None	RELEASED by NRC and State		None		
19	Swimming Pool	Swimming	None	RELEASED by NRC and State		None		
21-R	Reactors, TRIGA® (Areas Inside Building 21 associated with reactors)	TRIGA® Mark I and Mark F Non- power Reactors and associated roof	All	Operations ceased. Mark I and F reactors de-fueled. Mark I reactor components removed. Decommissioning in progress.	NRC Non-power reactors D Plan <u>State to indicate no jurisdiction</u> (5)	Yes	Major D&D Approach C and Soil Cleanup	Affected Area Survey Soil Criteria
21-L	Labs, offices former MK III room AKA Non-Reactor Portion of Building 21	labs, offices, and pit of former Mark III reactor AKA Non- Reactor Portion of Building 21	All	RELEASED by NRC amend 88 5/14/07 Release requested 11/20/06 (696-4039) with associated non-reactor land areas	NRC (NMSS) <u>State to indicate no jurisdiction</u> , or release after NRC (5)	Yes Completed	Moderate D&D Approach B	Affected Area Survey
21 non- reactor portion of 21 ROOF	Roof over portion of Building 21 roof	Roof over portion of Building 21 roof <u>not</u> related to the reactor license	No	RELEASED by NRC amend 85 5/18/06 Release request 2/6/06 696-3957	NRC (NMSS) <u>State to indicate no jurisdiction</u> , or release after NRC (5)	No remediation was required	No remediation was required	

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
21-A	TRIGA Reactor Admin. Area	offices and rest rooms.	None	RELEASED by State on 5/7/99 and by NRC on 5/14/99		No	N/A Complete	N/A Complete
21 Room 104	Room 104 of Building 21	Tritium Diffusion Lab	Tritium Only	In Use Under State License	State (unless State agrees to transfer this room to NRC also)	No	Minimal D&D	To be Determined
22	TRIGA Fuel Fabrication Facility	TRIGA Fuel Manufacturing	Predominantly SNM Some Depleted uranium	RELEASED by NRC on 5/14/99 and by State on 9/10/99		Yes	Major D&D Approach C and Soil Cleanup	Affected Area Survey Soil Criteria
23	Hot Cell Bldg. 23 is Included in Hot Cell Site Land Area release request	R&D and PIE	All	RELEASED by NRC Amend 66 7/3/00 and State Amend 143 8/31/00		Yes	D&D conducted In accordance with NRC and State of CA approved D&D Plan NRC Survey - NRC report (70-734/00-01) documents confirmatory survey on March 14-15, 2000 and concludes Hot Cell Site meets the criteria for released to unrestricted use. ORISE Survey - draft report summarizes results of surveys of November 1, 1999 and March 21- 22, 2000 and the "results of the verification surveys confirmed the results by GA."	

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
25 "Former" Building 25 Site which includes location of former Bldg 25 and surrounding land area.	Liquid Waste Treatment Facility (Part of GA's Nuclear Waste Processing Facility)	Treat liquid LLW for Discharge to sewer D&D began 1/03 Entire building packaged sent out as rad waste	All	Released by NRC Amend 84 11/28/05 Release request submitted 7/10/03 to NRC & State CAL/696-3622 State in-process survey completed 4/10/03 NRC confirmatory by NRC Region IV March 29-30, 2004 Released by State DTSC June 23, 2005 Awaiting State DHS/RHB release	NRC, StateDHS/RHB; State DTSC; Request to transfer lead from State to NRC submitted by GA on 3/11/04 (696/CAL-3709) & 3/28/05 (696/CAL- 3855) (7)	Probable TBD	Moderate D&D expected and possible Approach C No soil remediation was required during the final survey.	Affected Area Survey and Soil Criteria
27	EA Experimental Area	Radiochemistry and Chemistry Labs	All	RELEASED by State on 5/7/99 and by NRC on 5/14/99		Possibly	Moderate D&D expected and possible Soil Remediation Approach B	Affected Area Survey (possibly Soil Criteria)
27-1 Incorporated into "EA-1 Bunker Land Area" release request	EA-1 Bunker Facility including former vaulted tank area (tank removed and disposed of as rad waste).	R&D associated with radiochemistry	All	RELEASED by NRC (Amend #77) 7/11/03 Released by State Amend 167 8/8/06 Release Requested CAL/696-3451 4/5/02	Lead transferred from State to NRC 1/03 ⁽⁶⁾ State to release after NRC release	Yes	Moderate D&D expected and possible Soil Remediation Approach C	Affected Area Survey (possibly Soil Criteria)

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
29 & 29-2	Office Bldgs.	Offices, garage & storage	None	RELEASED by NRC and State				
Bldg. 31; Room 103A	Vault like storage	Irradiated Fuel Storage in Casks	Primarily enriched U and Th; FP contained in irradiated fuel	RELEASED by NRC Amend 77 7/11/03 RELEASED by State Amend 158 7/8/04 Release requested 12/18/02 696/CAL-3552 NRC confirmatory survey performed 3/10/03-3/14/03	NRC, State released after NRC release	No	No decon required.	Affected Area Survey
Bldg. 30; Room 121	Attachment to Linac Bldg	HVAC Contractor	None	RELEASED by NRC Amend 77 7/11/03 RELEASED by State Amend 159 7/15/04 (Part of LINAC Land)	State; NRC released, then State released	No	N/A	Unaffected Area Survey
Bldg. 30 Room 104A	Lab	Lab	Sealed Ni-63 Source	In Use. Added Amend 151 3/27/03	State	No	Remove Source Only	Unaffected Area Survey
Bldg. 31; Room 101	Cal Lab	Nuclear instrument calibrations	Cs-137 Sealed Source, cal standards	In use for nuclear instrument calibration	State	No	Remove all sources Approach A	
30/31 Complex Phase I	LINAC Facility See Fig. S-3	Offices, labs and storage areas	Irradiated Fuel, other storage	RELEASED By NRC Amend. 42 3/11/98 and State Amend. 130 dated 3/11/98				
30/31 Complex Phase II	LINAC Facility See Fig. S-3	Offices, labs and storage areas	Various	RELEASED By NRC Amend. 42 3/11/98 and State Amend. 130 dated 3/11/98				

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
30/31 Complex Phase III	LINAC Facility See Fig. S-3	Offices, labs and storage areas		RELEASED By NRC Amend. 67 9/18/00 and State Amend. 142 dated 6/27/00				
30/31 Complex Phase IV	LINAC Facility - Rooms 31/103, 31-102, 30/100 & 30/118 30/118-Previously Irradiated Fuel Storage in Casks (do not delete this note) See Fig. S-3	Offices, labs and storage	storage of SNM and other rad materials	Release request submitted 9/6/01 (CAL/696-3404) Includes Room 31-102	State NRC to release after State	No	Confirmatory Survey Needed Approach A	Unaffected Area Survey if no contamination is found.
30/31 Complex Phase V	LINAC Complex- Rooms 113, 113A, 114, 119 and 123 Rm 123 housed subcritical & critical assemblies til ~1970 See Fig. S-3	Linear Accelerator Operations,	Activation products.	Release requested 3/22/01 CAL/696-3342	State NRC to release after State	No		
31-1	Radiochemistry labs / Radiography Bldg	Laboratories, offices, and storage	Primarily thorium and enriched uranium	RELEASED NRC Amend. 63 of 12/6/99 and State Amend. 141 of 1/21/00. Building dismantled (no longer there)		No	Minor D&D Approach B	Affected Area Survey

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)								
Building No.	Name/Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
31-2	Experimental Facility	Radiochem. operations	SNM & Byproduct	RELEASED NRC Lic. Amend. 18 3/31/92, and State Lic. Amend. 106 8/24/92			N/A Released by NRC and State	
31-3 Release Requested as part of "LINAC North Land Area"	Storage Building	Radioactive material storage and fuel element fab/assembly	Primarily thorium and enriched U and storage of byproduct mat'l	RELEASED by NRC 11/16/01 (Amend. 72) Awaiting State Release Building dismantled (disposed of as radioactive waste)	NRC State to release after NRC release	Yes	Minor D&D Approach B Soil contamination	Affected Area Survey
33 (Not included in TPS Land)	ICF Fusion	Radiation Machines and sealed tritium source	tritium	RELEASED by NRC in response to Torrey Pines South release request: Amend 65 12/28/99 In Use for State Licensed activities (only sealed sources and rad machines)	State	No	Remove sources. No D&D of facilities expected. Approach A	Unaffected Area Survey
33-1 Release Requested as part of "TPS Land Area"	Former HP Lab	Samples containing small quantities of radioactive material had been used in past	All	RELEASED by NRC as part of TPS Land Amend. 65, 12/28/99 Awaiting State Release	State	No	No D&D of facility was needed (survey performed after move of HP Lab; no contamination detected). Approach A	Unaffected Area Survey if no contamination is found.

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
33-5 Release requested as part of "TPS Land Area"	Carpenter's shop	Carpenter's shop	none	RELEASED by NRC Amend. 65, 12/28/99 Awaiting State Release (as part of TPS land area)	State	No	None required	Unaffected Area Survey
34, 34-1, 34-2, 34-3, etc.	DIII-D	Fusion Research	Short-lived Activation Products and Tritium	In use Sealed sources used under State license Rad machines registered with State DOE responsible for D&D per contract Not included in New State License Renewal Package (considered DOE site)	State Deleted from NRC License Amend 44 4/29/98	No	No D&D of facility expected. Remove sources and activated equipment. Approach A	Unaffected Area Survey Affected Area Survey in DIII-D pit
35	Test Tower	Testing and maintenance of contaminated helium circulator	Mixed fission and activation products	RELEASED by NRC 6/22/99 and by State on 10/05/01 Release requested 9/30/98 and supplemental data submitted on 7/13/99. Additional data/ info requested on 4/01	NRC letter 6/22/99 stated no NRC jurisdiction	No	Scoping Survey needed. No contamination expected. Approach A	Unaffected Area Survey if no contamination is found.
35-1	Facilities Building	Shipping and Receiving (S&R), Mail Room, offices	No known history of R/A mat'l use except packaged materials in S&R	RELEASED by NRC on 7/26/99 and by State on 9/10/99		No	N/A. DONE	DONE
36	Blower Assembly Building	Storage and R&D	No known history of R/A mat'l use	RELEASED by NRC on 7/26/99 and by State on 4/2/99		No	N/A. DONE	DONE

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
37 (1) (Formerly the South end of Bldg 37, previously known as Bldg 37S)	SVA-South (Bldg 37) and tunnels	<u>Previously used for</u> temporary storage of packaged LLW from 37 North D&D and sealed sources	All	RELEASED by NRC on 6/7/99 and by State on 9/10/99		No	Scoping survey completed. Approach A	Unaffected Area Survey completed.
37N (formerly the north end of Bldg 37)	SVA-North (Bldg was Dismantled during D&D)	HTGR Fuel Fabrication and storage	HEU and Th	RELEASED by NRC and State in 1995 See "SVA Footprint" Land Area				
39 (included in Sorrento Valley North land area)	SVB/Pilot Plant	Pilot Plant - Fuel Development R&D	SNM Depleted U Thorium	RELEASED by NRC on 12/22/00 and by State on 3/15/01		Yes	Major D&D Approach C (with Soil Remediation)	Affected Area Survey and Soil Criteria
39-1 (included in Sorrento Valley North land area)	Storage Bldg	supply storage	none known	RELEASED by NRC on 12/22/00 and by State on 3/15/01		TBD	Scoping survey needed. Approach A	TBD

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
41 South (Located Within Sorrento Valley South Land Area)	Nuclear Waste Processing Facility (NWPF) The NWPF portion of Building 41 (formerly the south end) was dismantled and disposed of as rad waste.	Nuclear Waste (LLW) Processing	All	Released by NRC Amend 83 8/25/05 Released by State Amend 167 8/8/06 Release Requested as part of the DTSC Permitted Area (NWPF-1) of the NWPF (March 23, 2005, (696/CAL-3853) In 2004, all of the rooms of Building 41 associated with the NWPF (southern portion) were dismantled and shipped off site to an authorized Low Level Radioactive Waste disposal facility. NRC and State conducted confirmatory surveys the week of June 6, 2005. Released by State DTSC June 23, 2005	NRC, State DHS/RHB, and State DTSC Request to transfer lead from State to NRC submitted by GA on 3/11/04 (696/CAL-3709) and 4/4/05 (696/CAL-3855 Approved by both NRC and State ⁽⁷⁾	Yes	Moderate to Major D&D expected and Soil Remediation Approach C	Affected Area Survey and Soil Criteria

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
41 North "Non- Impacted Remaining Portion of Building 41" (Included in "Sorrento Valley South Land Area")	Classified Non-rad Project	Classified Non- rad Project	None	Released by NRC Amend 83 8/25/05 Released by State Amend 167 8/8/06 Release Request submitted March 18, 2005 (696/CAL-3852) NRC confirmatory survey completed by NRC Region IV March 29-30, 2004. No contamination identified.	None	No	NONE	N/A
42	Calibration Facility; previously Radiography Bldg.	Previously the Industrial Radiography bldg; now calibration facility.	Cs-137 Sealed Source, cal standards	RELEASED by State Amend # 149 10/05/01 Removed from NRC License on 10/4/99	State, Removed from NRC License on 10/4/99	No	Remove all sources Approach A	Affected Area Survey
45	Facility's Machine Shop	Non-rad	None used. One-time temp. storage of packaged fission chamber	RELEASED by NRC on 7/26/99 and by State on 4/2/99		No	Non-impacted	Unaffected area survey
77	Sorrento Electronics in Kearny Mesa 4949 Greencraig Lane (aka Bldg. 77)	Manufacture of radiation monitoring instrumentation	Byproduct	Bldg. 77: State License Amended to add this location (amend 146 7/6/01)	State	No	No D&D of facilities is expected Removal of Sources needed Approach A	Unaffected Area Survey, assuming no contamination is found.

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)								
Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
79	Sorrento Electronics facilities in Mira Mesa (Bldg. 79)	Manufacture of radiation monitoring instrumentation	Byproduct	RELEASED by State by License Amendment #150 2/3/03	State (No NRC licensed material used here)	No	No D&D of facilities is expected Removal of Sources needed Approach A	Unaffected Area Survey, assuming no contamination is found.
85	New Diazyme Facility located at 12889 Gregg Court, Poway, California 92064; (first authorized 6/8/07)	Biotechnology (Currently only rooms 112, 113, 154 and 157 authorized per WA #3330)	H-3, C-14	In Use	State Only	No	Minor	Area Dependent
LAND AREAS								
Main Site Land Areas (~ 60 acres)								
Torrey Pines South (TPS) See Fig. S-1		Health Physics lab, R&D	byproduct material, sealed sources	Health physics lab in use. Deleted from NRC license by Amend. 65, 12/28/99 RELEASED by State Amend 158 7/8/04 (with exception of few select rooms)	State	None expected	TPS includes Bldgs. 10, 33, and 33-1, but with the exception of a few rooms. No contamination expected.	

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 1-4, 2007)								
Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
	Torrey Pines Central (Buildings 1, 7, 13, 14, 15, 19, 29, 29-2 and surrounding land areas) See Fig. S-1	Office Buildings, Parking Lots and Recreational Areas	None Never used for work involving radioactive materials or radiation machines	RELEASED by NRC & State		No	Non-impacted Areas No D&D needed	None Required (Areas that have no reasonable potential for residual contamination do not need any level of survey coverage)
	Torrey Pines west See Fig. S-1	Parking lot, paved road and raw land	None. Never used for work involving licensed mat'l	RELEASED NRC 4/22/99 and State 5/7/99		No	Unaffected land area survey	
	Torrey Pines East See Fig. S-1	Storage or unused	potentially byproduct material	RELEASED NRC amend 73 2/4/02 and State Amend 158 7/8/04	NRC State released after NRC release	TBD, probably not	Unaffected Area Survey if no contamination is found.	
	Linac Land (Includes land area surrounding buildings 30 and 31) See Fig. S-1	Linear accelerator, R&D, material storage, waste processing (in Bldg 25)	SNM, Source & byproduct material	RELEASED by NRC amend 77 8/2/02 RELEASED by State Amend 159 7/15/04	Lead transferred from State to NRC 1/03 (6) State released after NRC release	Not expected	Unaffected area survey if no contamination found	

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
Bldg 25 Land Release request for former location of Bldg 25 and surrounding land area was included with "Former Building 25 Land Area" report	Liquid filtration station (Bldg 25) located on land	All	Released by NRC Amend 84 11/28/05 Release request submitted 7/10/03 to NRC & State CAL/696-3622 D&D began 1/03; Entire building was dismantled, packaged, and sent off site to an authorized Level Level Waste disposal facility. State in-process survey completed 4/10/03 NRC confirmatory completed by NRC Region IV March 29-30, 2004 Released by State DTSC June 23, 2005 Awaiting State DHS/RHB release	StateDHS RHB; State DTSC; NRC to release after State release Request to transfer from State to NRC submitted by GA on 3/5/04 (696/CAL-3709) & 3/28/05 (696/CAL- 3855) ⁽⁷⁾	TBD	See Bldg. 25 for anticipated approach.		
Linac North Land (Includes land area surrounding buildings 31-1, 31-2, & 31-3) See Fig. S-1	Criticality experiments & storage	SNM primarily, and Source material	RELEASED by NRC Amend 72 11/16/01 Awaiting State Release Release Requested 696/CAL-3366 4/30/01	NRC State to release after NRC release	Yes	Moderate D&D expected for soil. Affected Area Survey and Soil Criteria		

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
	Torrey Pines Northeast (Includes land area surrounding buildings 20 and 22) See Fig. S-1	Storage or unused	SNM	RELEASED by NRC Amend. 70, dated 5/11/01 & State Amend. 149 dated 10/05/01	NRC State released after NRC release	Yes	Moderate D&D performed. Most of area "Affected;" some "Unaffected" areas.	
	Hot Cell Land See Fig. S-1	Hot cell operations	All	RELEASED by NRC Amend. 66 dated 7/03/00 and by State Amend. 143 dated 8/31/00		Yes	See Hot Cell Decommissioning Plan and Final Survey Plan "Major D&D" completed. Affected Area Survey completed.	
	Torrey Pines North Hillside Land Area -Sections A, B, D and Unaffected Area of Section C TPNH split into 2 land areas since the May 2002 joint meeting (Includes land area along northern boundary of GA's Main Site; to the west of bldg 27 & north of buildings 27, 21 and 22)	None but adjacent to radiochemistry, TRIGA reactors, hot cell, and TFF	None	RELEASED BY NRC amend 75 12/9/02 Awaiting State release Release requested 696/CAL-3508 8/30/02	NRC State to release after NRC release	Yes	Soil remediation completed. Both Affected and Unaffected surveys expected.	
	Torrey Pines north Hillside Land Area - Suspect Affected Area of Section C	None, but adjacent to radiochemistry, TRIGA reactors, hot cell, & TFF	None	RELEASED by NRC amend 77 7/11/03 Release requested 696/CAL-3558 1/14/03 NRC confirmatory survey performed 3/10/03 - 3/14/03 Awaiting State release	NRC State to release after NRC release	Yes		

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
	TRIGA Reactors/Land (See TRIGA Reactors Facility Decommissioning Plan & Fig. S-1A)	TRIGA reactors' cooling towers and outside storage areas	All	Being decommissioned Final Report Prepared; Not Yet Submitted. (Excludes outside concrete pad east of Mark F room)	NRC- (under reactor license) State to indicate no jurisdiction (5)	Yes	See TRIGA Reactors Facility Decommissioning Plan	
	Concrete pad outside and east of Mark F Room	Storage of demineralizers	All	In Use	NRC- (under reactor license)	Unknown	See TRIGA Reactors Facility Decommissioning Plan	
	TRIGA Outside Non-Reactor (i.e., non-NRR) Areas (Includes land to the south, east and north of TRIGA reactors.) (See TRIGA Reactors Facility Decommissioning Plan & Fig. S-1A)	Parking, storage, landscaping.	Storage	RELEASED by NRC amend 88 5/14/07 State Release N/A Release Requested 11/20/06 (696-4039) with associated non-reactor Building 21 (inside) areas	NRC - SNM-696 State to indicate no jurisdiction (5)	Yes	Moderate D&D expected with soil remediation. Both Affected and Unaffected area surveys.	
	TRIGA Fuel Facility Service/Utility Corridor (TFF Utility Corridor) See Fig. S-1A	Paved road and unused land	None	RELEASED by NRC Amend 71 dated 7/10/01 and State Amend 149, dated 10/05/01	NRC	None expected	Affected Area and Unaffected Area Surveys	

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
	Bunker Yard (a.k.a EA-1 Bunker Land Area) includes area where bldg 27 bunker and vaulted tank was dismantled and adjacent land See Fig. S-1	Radiochemistry and R&D	All	RELEASED by NRC Amend 77 7/11/03 Awaiting State Release Release Requested CAL/696-3451 4/5/02 NRC Confirmatory Survey performed 3/10/03-3/14/03 Released by State amend 167 8/8/06	Lead transferred from State to NRC 1/03 ⁽⁶⁾ State to release after NRC release	Yes	Soil remediated	
	Was called Bldg. 21/27 Utility Pad Now "TRIGA Reactor Facility Electrical Pad" See Fig. S-1 and S-1A	Electric utility pad	none	Release requested (NRC only) 696-3525 10/9/02 NRC concluded no confirmatory survey needed State concluded that the release of the TRIGA® Reactor Facility Electrical Pad is under the discretion of the NRC and not an authorized location under the State license per letter dated July 30, 2003 from Ed Bailey, Chief RHB	NRC State released after NRC	None	None needed	
	27 Service Yard" See Fig. S-1	Parking and R/A material storage	All	RELEASED by NRC Amend 77 7/11/03 RELEASED by State Amend 159 7/15/04	Lead transferred from State to NRC 1/03 ⁽⁶⁾ State released after NRC release	TBD		

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Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
Bldg 27 Surrounding Land See Fig. S-1 and S-1A		Landscaping, walkway and parking	All	RELEASED State Amends 142 & 145, 6/27/00 & 3/15/01; and NRC Amends 67 and 70, dated 9/18/00 & 5/11/01				
TRIGA Trailer Land		Area underneath the former 21/23 trailer	None	RELEASED by NRC amend 75 12/9/02 awaiting State release	NRC State to release after NRC release	No	No remediation was required.	
<u>Sorrento Valley Site Land Areas (~ 60 acres):</u>								
Sorrento Valley Hills (Land Surrounding Bldgs. 37-42 on North, West and South) See Fig. S-2		None. Never used for work involving radioactive materials	None	RELEASED by NRC & State		N/A	N/A	
Sorrento Valley North (includes the site of the former Building 39) See Fig. S-2		Nuclear fuel process development	SNM, uranium and thorium	RELEASED NRC Amendment No. 68 dated 12/22/00, and State Amendment 145 dated 3/15/01.			See Final Survey Report	
Sorrento Valley Central See Fig. S-2		Non-rad use i.e., parking area	None	RELEASED NRC Amend. 64 dated 12/17/99 and State Amend. 141 dated 1/21/2000		None	No D&D required.	Unaffected Area Survey - Completed

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Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
	SVA Footprint (includes site of former north end of bldg 37; a.k.a. Bldg 37 North (37-N) or SVA-North (SVA-N) plus adjacent land area) See Fig. S-2	HTGR fuel fabrication and storage vault	HEU and Th	RELEASED NRC Amendment 32, dated 8/1/95; and State Amendment 119, dated 9/5/95				
	Sorrento Valley West; Areas 1, 2, 3, 4 and 5 See Fig. S-2 Area previously known as "Sorrento Valley Southwest (SVSW)" was sub-divided into Areas 4 and 5 of SVW.	Area 1: Storage, preparation of bulk shipments	All, but primarily Enriched U and Th	RELEASED NRC Amend 70 dated 5/11/01 State Amend 149 dated 10/05/01	NRC, State to release after NRC	Yes	NRC surveyed Jan. 2001	
		Area 2: asphalted area - part of upper storage yard of NWPF Area 3: parking/drive	None	RELEASED NRC Amend 71 dated 7/10/01 State Amend 149 dated 10/05/01 Released by State DTSC June 23, 2005	NRC, State DHS/RHB, State DTSC	No	NRC surveyed April 2001	
		Area 4 adjacent to 41 & 42; asphalted area used for parking and roadway	None	RELEASED by NRC Amend 79 10/6/03 Released by State Amend 162 1/12/06 Release request submitted 3/18/03 (696/CAL-3579) NRC Region IV confirmatory survey May 13-16, 2003.	NRC, State to release after NRC	No		

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
	<u>Area 5</u> Part of Upper NWPF Yard excludes small concrete bunker ↓	All	All	RELEASED by NRC Amend 80 1/30/04 Released by State DTSC June 23, 2005 Release request submitted 10/23/03 (696/CAL-3660) NRC in-process survey completed 10/20/03 through 10/23/03. Awaiting State DHS/RHB Release	NRC, State DHS/RHB, State DTSC	Yes	Minor D&D expected with soil remediation.	
	Bunker within Area 5	All	All	RELEASED by NRC Amend 79 10/6/03 RELEASED by State Amend 158 7/8/04 Released by State DTSC June 23, 2005	NRC, State DHS/RHB and State DHS/DTSC	No	Minor D&D accomplished.	

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
	<p>Sorrento Valley South (includes land areas associated with Bldg. 41 to the south and east) See Fig. S-2</p> <p><u>Sorrento Valley South</u> was divided into the following areas and separate release requests as follows:</p> <p>1. Building 41 (remaining non-impacted portion)-See Building 41 above 2. NWPF-1 Site (DTSC Area) 3. Remaining Portion of SVS Land Area</p>	NWPF operations, asphalted area used for parking, roadway, lower storage area of NWPF	all, only in NWPF	<p>Released by NRC Amend 83 8/25/05</p> <p>Released by State Amend 167 8/8/06</p> <p>Release Requests Submitted</p> <p>(1) Remaining Portion of Building 41 - See Building 41 north above (2) NWPF-1 Site (DTSC Area) - release request 3/23/05, 696/CAL-3853 (3) Remaining Portion of SVS Land Area - release request 5/25/05, 696/CAL- 3871</p> <p>Released by State DTSC June 23, 2005</p> <p>NRC and the State conducted confirmatory surveys the week of June 6, 2005 at Building 41 (unaffected remaining portion of the building)</p>	StateDHS RHB; State DTSC has jurisdiction of NWPF only; NRC to release after State release	Expected in the NWPF	Major D&D expected with soil remediation. Both Affected and Unaffected area surveys	

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)

Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
Sorrento Valley East (DIII-D facilities, parking & surrounding land areas) See Fig. S-2	Fusion experiment buildings, raw land, paved parking	radiation producing machines, tritium	Ongoing fusion research under DOE Deleted from NRC license Amend 44 4/29/98	Deleted from State License Renewal (approved 10/27/06, LA 168) per State decision that DIII-D activities were under DOE Jurisdiction	NO	See bldg 34 plus unaffected land area survey No D&D expected		
Test Tower Land See Fig. S-2	Non-rad use except for Bldg 35 (test tower)	Mixed fission products in Bldg 35	RELEASED by NRC & State NRC amend 57 7/26/99 and State amend 140 9/10/99		NO	unaffected area survey for land areas		
Underground Storage Tank Sites ⁽³⁾								
Building 2 Lab 307 Tank Pit Area	Temporary storage of radioactively contaminated liquids	primarily Cs-137, Co-60 Sr-90	Released by NRC Amend 88 5/14/07 Tanks and piping removed and soil remediated in 1984. Additional investigation completed in 2003; no soil contamination above approved soil release limits found. No remediation needed. GA submitted a final report 2/7/07 (696/CAL-4058) documenting the investigation. Awaiting State Release	NRC State to release after NRC release	Soil was remediated in 1984.	D&D effort including soil remediation completed 11/94. See Report to NRC dated 11/30/94 (letter 696-6083). Request to backfill obtained from NRC in 1984. Formal Release Not Yet Requested. Additional investigation completed in 2003; no soil contamination above approved soil release limits found. No remediation needed. Final report submitted 2/7/07.		

TABLE S-1: General Atomics' Facilities and Sites to Be Decommissioned (Status as of August 14, 2007)								
Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
Bldg 2 Lab 540 (1000 gal)		Temporary storage of radioactively contaminated liquids	Various	RELEASED by NRC on 8/12/99 and by State on 9/10/99		No	GA report dated 2/11/85 shows soil concentrations below the Option I release criteria. Soil Samples Obtained by the NRC during removal of the tanks. Formal release requested 5/17/99.	
Bldg 9 (750 gal) Bldg 21 (1000 gal) Bldg 31 (1000 gal)		Temporary storage of radioactively contaminated liquids.	Various	RELEASED by NRC on 8/12/99 and by State on 9/10/99 Remaining drain lines noted in "Underground Pipes" section below (for Buildings 21 and 31)		No	GA report dated 2/11/85 shows soil concentrations below the Option I release criteria. Soil Samples Obtained by the NRC during removal of the tanks. Formal release requested 5/17/99.	
Bldg 37 tanks		Temporary hand wash water storage	uranium & thorium	RELEASED ⁽¹⁾ by NRC & State as part of release of Bldg 37 North		N/A	N/A	
Underground Pipes (e.g. Sewer Lines)								
Main Site								
2 Drain Lines	Service Corridor Drain Line Trench- drain lines removed and disposed of as LLW. New drain lines installed	Services provided to labs plus drain lines and ducts to/from some of the labs.	All	RELEASED by NRC and State NRC Amend. 72 11/16/01 State Amend. 158 7/8/04	NRC State released after NRC released	Some Remediation Completed	Minor D&D	Various

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Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
	Underground "rabbit tube" from reactors to Bldg. 2	Rapid transport of radioactive samples	Byproduct	Released by NRC amend 87 4/13/07 Awaiting State Release Investigation concluded no credible scenario for contamination. March & April, 2002 surveys confirmed conclusion. Request to release 3/6/07 696/CAL-4062)	NRC; State release to follow NRC ⁽⁵⁾	None	None needed	
Building 21 Site		Underground drain line	Byproduct	Some underground drain lines remain. See Facilities Drawing Z-22-5 dated 11/29/04 which was revised 7/2/04 by Health Physics. Lines originally led to an underground radioactive waste storage tank which was removed in 1984 (the site was released - see "Underground Storage Tank Sites" above)	NRC	TBD	Minor D&D	Affected Area Survey

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Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
Building 31/Room 101		Underground drain line	Byproduct enriched U	Some underground drain lines remain. See Facilities Drawing Z-22-1. Lines originally led to an underground radioactive waste storage tank from rooms 102A and 103. The tank itself was removed in 1984 and the prior tank site has been released to unrestricted use. <u>Update:</u> During August 2004, GA removed a portion of the underground drain line (from Room 102A to the outside of Room 101) - results <u>were</u> <u>included</u> in the <i>Revised</i> Phase IV of Building 30/31 Site Final Report	NRC	TBD	Minor D&D	Affected Area Survey
Sewer line trench from S-13 to S-15 to S-18 Including soil from the trench		sewer line	various	RELEASED NRC Amend 74 dated 6/19/02 Awaiting State Release	NRC and State	No soil contamination. Contaminated pipe excavated and disposed of as LLW. Trench backfilled after approval from NRC and State obtained. GA is also awaiting State release of Soil Pile Stored in Main Site Former SSA Area (soil removed from S-13 to S-18 trench). GA collected 30 representative soil samples (including cores down to 3'). Results (which were documented Letter dated November 2, 2005 (CAL-3925)) were not discernable from normal background levels .		

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Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
	Main Site Sewer System (exclusive of sewer line from S-13 to 15 to 18 and Building 2 drain line system) <u>Includes</u> Sewer line from S-18 to Bldg 31-1 (excavated, disposed as rad waste and backfilled); <u>and</u> the Abandoned sewer line running from vault near south gate to property line. Drain lines were removed with old pump station, surveyed then capped. Surveys at that time showed all lines were radiologically clean.	sewer	various	RELEASED NRC Amend 82 (8/26/04) Awaiting State Release Request to release is included in "Sewer Project" per request submitted April 20, 2004 (696/CAL-3724) Final report includes surveys of manholes and accessible pipes complete. Pipe from S-18 to Building 31-1 was excavated; concurrence to backfill requested and obtained.	NRC and State	Contamination detected and remediated in three manholes: One manhole and portion of associated piping being replaced		
	Torrey Pines Northeast	sewer		removed sewer lines	NRC	None		
	Hot Cell Site	sewer		removed sewer lines	NRC	None		
Sorrento Valley Sewer Lines								
	Sorrento Valley North	sewer	various	Contaminated Drain lines associated with Bldg 39 removed during D&D	NRC	None		
	Sorrento Valley Site (Flintkote addresses, other than Sorrento Valley North)	sewer	various	RELEASED by NRC Amend 82 (8/26/04) Awaiting State Release Request to release was included in "Sewer Project" release request submitted April 20, 2004 (696/CAL-3724)	NRC	None	No contamination detected	

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Building No.	Name/ Description	Type of Operation/Use	Radioactive Material Used	Status and Current Operation/Use	Regulatory Jurisdiction	Ground (soil) Contamination	Anticipated	
							D&D Effort and Approach ⁽⁴⁾	Final Survey Required
(1)	The north end of Building 37 (HTGR Fuel Fab Facility) was released by the NRC and the State in 1995 (see "SVA Footprint" land area); the north end of the building dismantled (no longer exists).							
(2)	Building 2 Summary: In Bldg 2, there are a total of 142 labs, as of March 15, 2001, all have been released by NRC and State. Eight labs in use under State license: 517, 530/532, 523, 534, 560/562/564 (Diazyme labs). Released by State 7/2/07.							
(3)	The underground storage tanks were removed in 1984. A report dated 2/11/85 provides the results of soil samples collected in each area where tanks were removed. Official release to unrestricted use from the NRC and the State of CA was requested for all tanks except Bldg 2/Lab 307 by letter 696/CAL-3081 dated 5/17/99. NRC released locations of previously removed tanks by License Amendment No. 59, dated August 12, 1999; State released same with Amendment No. 140 dated Sept. 10, 1999. The State of CA also released these tanks per License Amendment No. 140 dated September 10, 1999.							
(4)	<p>Summary of Approaches:</p> <p>Approach A: Removal of radioactive material sources Only. No contamination expected or likely. Confirmatory or Scoping Survey needed. If no contamination is found, no further action is needed.</p> <p>Approach B: Minor facility cleanup required including scabbling a small area of concrete.</p> <p>Approach C: Major cleanup required including aggressive D&D of large areas. Facility contamination is widespread.</p>							
(5)	The State of California was requested to acknowledge that they do not have or want any regulatory jurisdiction regarding TRIGA reactor facility (Building 21) and site (TRIGA Reactor Facility and surrounding land area) release requests per Letter dated October 9, 2002 (696-3525) to Ms. Mary Adams, (NRC: Request to Release "TRIGA® Reactor Facility Electrical Pad" to Unrestricted Use and Delete it from GA's License) and Ms. Sudana Kwok, (State: Request for State to Acknowledge NRC's sole Jurisdiction Over GA's TRIGA® Reactor Related Release Requests). <u>GA to submit another letter to the State requesting exact areas with drawings attached.</u>							
(6)	The State agreed to transfer the lead to the NRC (Letter dated January 9, 2003 signed by Edgar Bailey to Keith E. Asmussen cc: Daniel Gillen (NRC); and The NRC agreed to be the Lead Agency per Letter dated January 24, 2003 signed by Daniel M. Gillen (NRC) to Keith Asmussen .							
(7)	Includes both the former Building 25 site and the Sorrento Valley South Land Area which includes Building 41 and the surrounding storage yards. March 11, 2004 request to transfer the lead from the State to the NRC - letter 696/CAL-3709- was followed by the March 28, 2005 request - letter 696/CAL-3855 - which added more detailed information on the use of SNM at each of the NWPF areas. The State approved the transfer of the lead agency from the State to the NRC per letter dated May 18, 2005 signed by Ms. Sudana Kwok to Dr. Keith E. Asmussen. The NRC approved the transfer of the lead agency from the State to the NRC per letter dated July 19, 2005, signed by Mr. Merrit N. Baker to Dr. Keith E. Asmussen.							

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