

February 24, 1994
696-2197

VIA OVERNIGHT EXPRESS SERVICE

Mr. Bobby Faulkenberry
Regional Administrator
Region V
U.S. Nuclear Regulatory Commission
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596

Subject: Submittal of Semiannual Effluent Report (2 copies)

Reference: GAC letter 696-677 dated 2/27/76, SNM-696, Docket 70-734

Dear Mr. Martin:

In accordance with 10 CFR 70.59, we are transmitting the semiannual effluent report required for the period July 1, 1993 through December 31, 1993. By copy of this letter, six (6) copies of the report are being forwarded to the Director, Office of Nuclear Material Safety and Safeguards, U.S. NRC. Additional copies are being sent to the State of California, Department of Health Services.

Table I lists data on the radiological gaseous and particulate effluent released to unrestricted areas from our facilities handling radioactive material. The release point descriptions are keyed to the facility names whose relative locations are shown on Figure 1, a plan view of the site. Table II shows the radiological liquid effluent which is released into a 100 million gallon/day regional sewerage treatment plant. Table III contains the non radiological effluent data taken from our air particulate and HCl sampling points.

The dispersion meteorology of the site was discussed in our first effluent report, referenced above. Certain Table I data used in conjunction with the above referenced meteorology provide the basis for deriving radiological effluent concentrations at the site boundary and nearby vicinity.

9403080238 940224
PDR ADOCK 07000734
C PDR

NF12
11

Attachments A and B provide backup information. Attachment A provides detailed information concerning liquid releases, TRIGA Ar-41 releases and Kr-85 and Xe-133 releases. Attachment B provides stack sample results over this reporting period.

We trust the information provided is satisfactory to meet the requirements for this submission.

Very truly yours,



Keith E. Asmussen, Director
Licensing, Safety and Nuclear Compliance

LRQ:rmk

Attachments:

Figure 1

Table I - Gas & Particulate Effluents - 7/1/93 - 12/31/93

Table II - Liquid Effluents - 7/1/93 - 12/31/93

Table III - Non-Radiological Effluent Data - 7/1/93 - 12/31/93

Attachment A & Attachment B

cc : Director (6 copies via overnight express service)
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Mail Stop 6 E6
One White Flint North
11555 Rockville Pike
Rockville MD 20802

Dr. Gerard Wong (1 copy)
State of California
Department of Health Services
Radiologic Health Branch
P. O. Box 942732
Sacramento, CA 94234-7320

Mr. William Watson (1 copy)
State of California
Department of Health
Environmental Radiation Management Unit
1449 West Temple Street, Room 222
Los Angeles, CA 90026

Mr. Kim S. Wong (1 copy)
Regional Unit Chief
State of California
Department of Health Services
Radiologic Health Branch
1449 West Temple Street
Los Angeles, CA 90026

NO.	FACILITY
1	ADMINISTRATION
2	LABORATORY
9	EXPERIMENTAL
11	SERVICE AND RECEPTION CENTER
13,14,15	T.D. COMPLEX
21	TRIGA REACTORS
22	TRIGA FUEL FAB
23	HOT CELLS
25	WASTE PROCESSING—MS
27	EA-1
30	LINAC
31	ECF
34	DOUBLET III
35	TEST TOWER
37	SV-A (FUEL MANUFACTURING)
39	SV-B
41	WASTE PROCESSING—SV

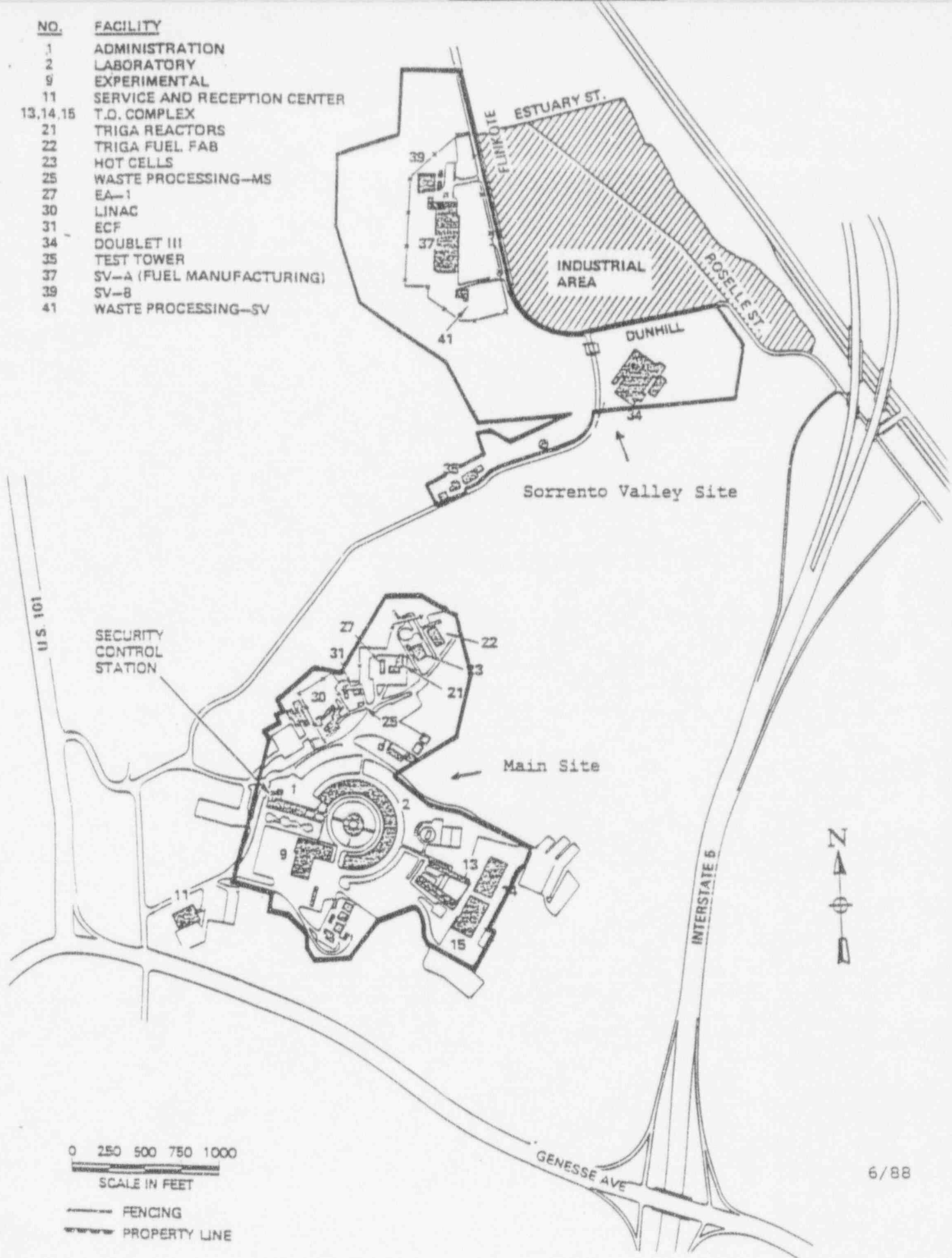


Fig. 1. Plan View of Sites