

8 ERID#:

9
7
3
9

89739

LOS ALAMOS NATIONAL LABORATORY
ENVIRONMENTAL RESTORATION (RRES-R)
Records Processing Facility
ER Records Index Form

Date Received: 9/15/2005 Processor: JR Page Count: 9

Privileged: (Y/N) N Record Category: P Administrative Record: (Y/N) Y

FileFolder: N/A

Miscellaneous Comments: SUBMITTED BY LINDA CAUSEY

Record Documents:

Start Pg	Doc Type	Doc Date	Title	Box	Package
1	MEMORANDUM	3/19/1990	DESIGN WASTE WATER COLLECT SYSTEM, BLDG 1, 44, 53. N/A N/A N/A		



14072

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

memorandum

TO: *mt* G. RAMSEY, INC-5, MS G776
DICK HEINEMAN, HSE-3

DATE: March 19, 1990
K489/7-2703

FROM: HSE-Q-90-0095
MAIL STOP/TELEPHONE:

SYMBOL: E S & H PROJECT SUMMARY AND QUESTIONNAIRE

SUBJECT: PROJECT : DESIGN WASTE WATER COLLECT SYSTEM, BLDG. 1,44,53
TA/BLDG : 2/1
LAB JOB # : 10786-02
QUEST. # : 90-0095
HSE CONTACT: R. SCHMIDT, MS K489

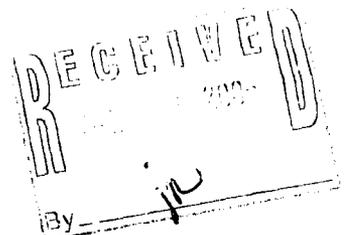
To help you identify any potential environmental, safety, and/or health concerns which may impact this project, please provide the requested information for review by the E S & H Committee. The Committee will determine if there are federal, state, or local regulations with which the project must comply. As some regulations requiring permitting or documentation can take six or more months to complete, your early input into the questionnaire process is necessary.

Please complete Attachment A, E S & H Project Summary, the results of which will indicate if Attachment B, HSE Questionnaire, must also be completed, and return to M. R. Heineman, HSE-3, MS K489. The HSE Contact, R. SCHMIDT, will provide assistance upon request.

MRH/gb

Information cy: w/o attachments

R. SCHMIDT, MS K489
D. DOEHLING, ENG-5, MS M881
NEPA, MS K490
HSE-PQF



A. Project Identification

1. Brief description of the project:

COLLECT POTENTIALLY RADIOACTIVE DRAINS
AT A CENTRAL LOCATION - PUMP THIS WATER
TO RADIOACTIVE STORAGE TANKS (EXISTING) FOR
FURTHER TRANSFER TO TA 50

2. Funding Amount: \$ 100K

Source: Line Item GPP Equipment
 Operating Other TSA

3. Funding begins: FY 90 Construction begins: ASAP 1/1

Operations start: 1/1 Duration of operations: CONTINUING

B. Project Scope:

YES NO N/A

Will this project involve any ground breaking?
(Documentation mandatory per Federal Regs.)

Will this project generate new or altered
airborne emissions or liquid effluents?

Will this project generate wastes that may
be radioactive or hazardous?

Will this project involve high energy
sources (e.g., radiation, electromagnetic,
lasers, and explosives)?

Will this project require decommissioning
of existing facilities?

Could this project result in accidental
releases or safety concerns involving
toxic chemicals, oils, corrosives, solvents,
gases, radioactivity, explosives, biological
agents, carcinogens, or asbestos? *IT LIMITS*
THE PRESENT RELEASES BY COLLECTING THE
Is this a project that may generate *WATER*
significant public concern?

C. IF THE ANSWER TO ANY OF THE ABOVE IS YES, PLEASE COMPLETE ATTACHMENT B, HSE QUESTIONNAIRE.SIGNED: Guold RamseyDATE: 3/21/90

PROJECT OR
 LAB JOB TITLE WASTE WATER COLLECTION SYSTEM LJ # 10786-02
 COMPLETED BY GERALD F. RAIBER DATE 3/21/90

Please respond to the following questions with:

- 1) relevant information,
- 2) not applicable (NA), or
- 3) not yet determined (ND).

Add a separate sheet if you need more space to adequately address a topic.

A. LOCATION

If the work is not within an existing facility, please provide clear siting information.

1. Attach map or sketch of project location if not in an existing structure. Include facility and access roads/parking if part of the project.
2. Describe location if within an existing structure (e.g. room or other identification). TA-2 Bldg 1 Rm 1
3. Special utility requirements: NONE
4. Security or isolation requirements: BERM AREA AROUND TANK
5. Storage tanks? Describe (contents, number, size, above- or below-ground): 1 ABOVE GROUND (LOCATED ON FLOOR IN BASEMENT. APPROX 300 GAL TANK

B. DESCRIPTION OF OPERATIONS

1. Project purpose: TO COLLECT THE POTENTIALLY CONTAMINATED DRAINS FROM BLDG 44, Rm 101, ROOM 102 AND Rm 115 AND TO PUMP THE WATER TO 3 EXISTING UNDERGROUND STORAGE TANKS.
2. Principal operations: COLLECT WATER AND PUMP TO EXISTING TANKS
3. Primary equipment: PIPING, COLLECTION TANK, ALARMS, PUMPS
4. Is the project similar to existing operations at LANL? NO

5. Does this project have more than one phase? Identify phases.

ONE PHASE

6. Number of employees directly involved in project: 2

7. Increase in number of employees at site due to project: NONE

C. MATERIALS INVOLVED IN OPERATIONS

Identify the major materials involved; indicate if a given category is not relevant (NA).

Types	Approximate Quantities
1. Gases _____	N/A
2. Liquids (non-water) _____	N/A
3. Water _____	20 GALLONS/DAY
4. Solids _____	N/A
5. Oils _____	N/A
6. Solvents _____	N/A
7. Biological _____	N/A
8. Corrosives _____	N/A
9. Explosives _____	N/A
10. Heavy metals _____	N/A
11. Radioactive substances _____	LESS THAN 1 C. / YEAR
12. Toxic substances _____	N/A
13. Carcinogens _____	N/A
14. NESHAP* substances (benzene, beryllium, inorganic arsenic, mercury, radionuclides, vinyl chloride) _____	N/A
15. Other _____	N/A

* These materials have special regulatory requirements

D. ENERGY SOURCES INVOLVED IN OPERATIONS

Identify the major energy sources; indicate if a given category will not be used.

	Source	Intensity/strength
1. Electrical	115/220 V	10 AMPS INFREQUENT
2. Thermal		N/A
3. Chemical		N/A
4. Explosives		N/A
5. Mechanical		N/A
6. Nuclear/ Radiation	COLLECTION ONLY	LESS THAN 1 C./YEAR
7. Nonionizing Radiation		N/A
8. Electro- magnetic field		N/A
9. High pressures		N/A
10. Other		N/A

E. ROUTINE WASTE GENERATION

Identify the major waste materials; indicate if a given category is not applicable (NA).

	Source	Approximate Quantities
1. Liquid effluents.		
a. sanitary		N/A
b. chemical		N/A
c. industrial		N/A
d. radioactive	FLOOR DRAINS / SINK DRAINS	≈ 1 C./YEAR
e. other		N/A

	Source	Approximate Quantities
2. Solid wastes		
a. uncontaminated trash	_____	N/A
b. toxic or hazardous waste	_____	N/A
c. radioactive waste	_____	N/A
3. Airborne emissions		
a. non-hazardous	_____	N/A
b. toxic or hazardous	_____	N/A
c. radioactive	_____	N/A
4. Modifications to existing exhaust systems:		
	N/A	

F. DECOMMISSIONING

1. Will currently used facilities require decommissioning? Identify.

N/A

2. Is there a possibility for the presence of asbestos?

N/A

3. Are there special decommissioning requirements after completion of project operations?

N/A

G. IDENTIFICATION OF CRITICAL SYSTEMS AND/OR DOCUMENTATION

1. Normal conditions

a. Engineered control and safety systems which must function under normal operating conditions:

HIGH LEVEL ALARM ON COLLECTION TANK

b. Your assessment of the safety and environment consequences if these engineered systems fail during normal operations:

WATER OF EXTREMELY LOW LEVEL ACTIVITY WOULD OVERFLOW TO BASEMENT BERM - NO RELEASE

-4-

OF ACTIVITY ABOVE UNCONDITIONAL RELEASE LIMITS

2. Abnormal or accident conditions

a. Possible abnormal or accident conditions under which the engineered control and safety systems must function.

*RUPTURE OF PRIMARY PIPING IN BUILDING 44
OR ROOM 101*

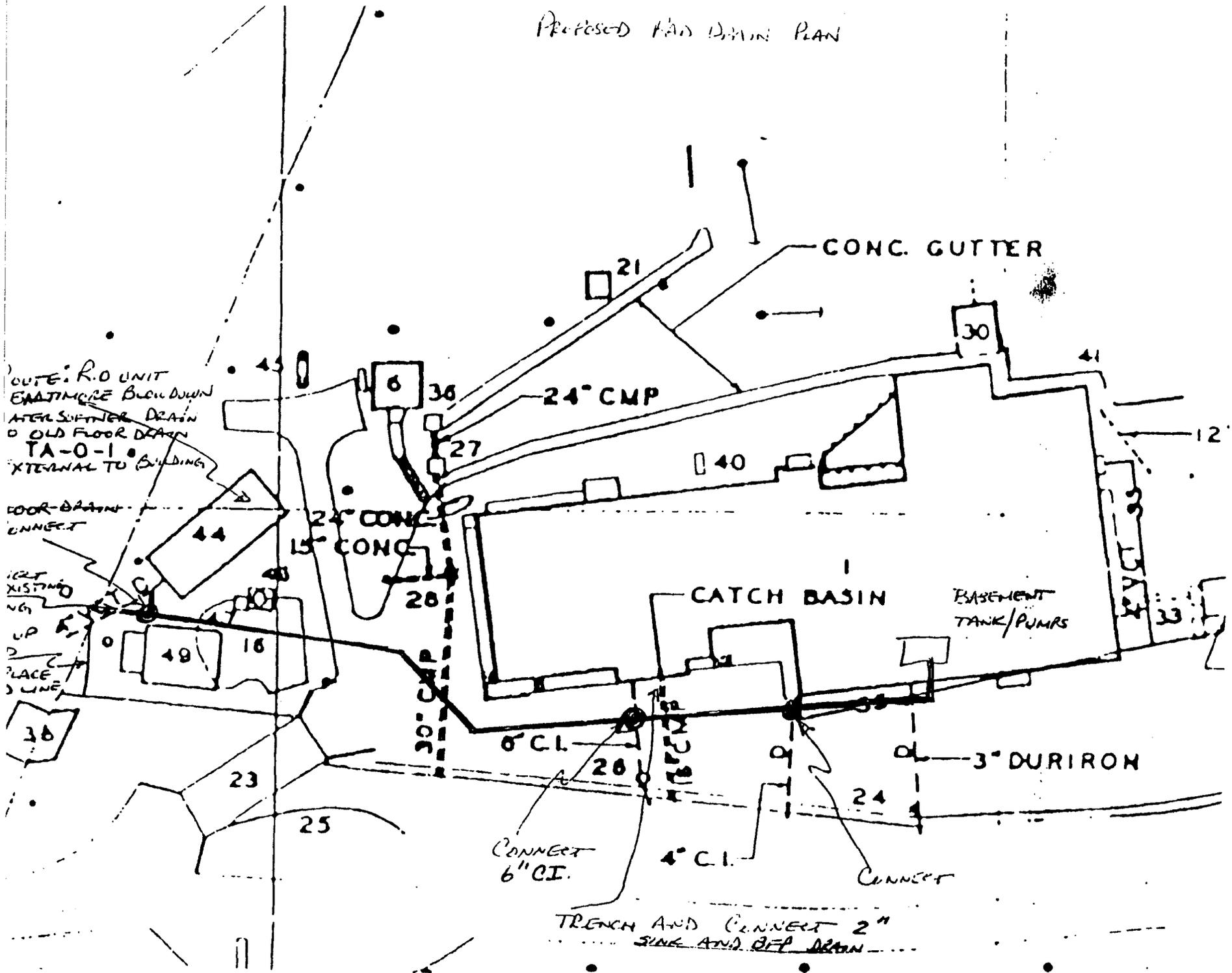
b. Your assessment of the consequences should these engineered systems fail during abnormal or accident conditions.

*TANK WOULD OVERFLOW TO BARMED AREA WHICH WOULD
REQUIRE CLEANUP AND DECONTAMINATION.*

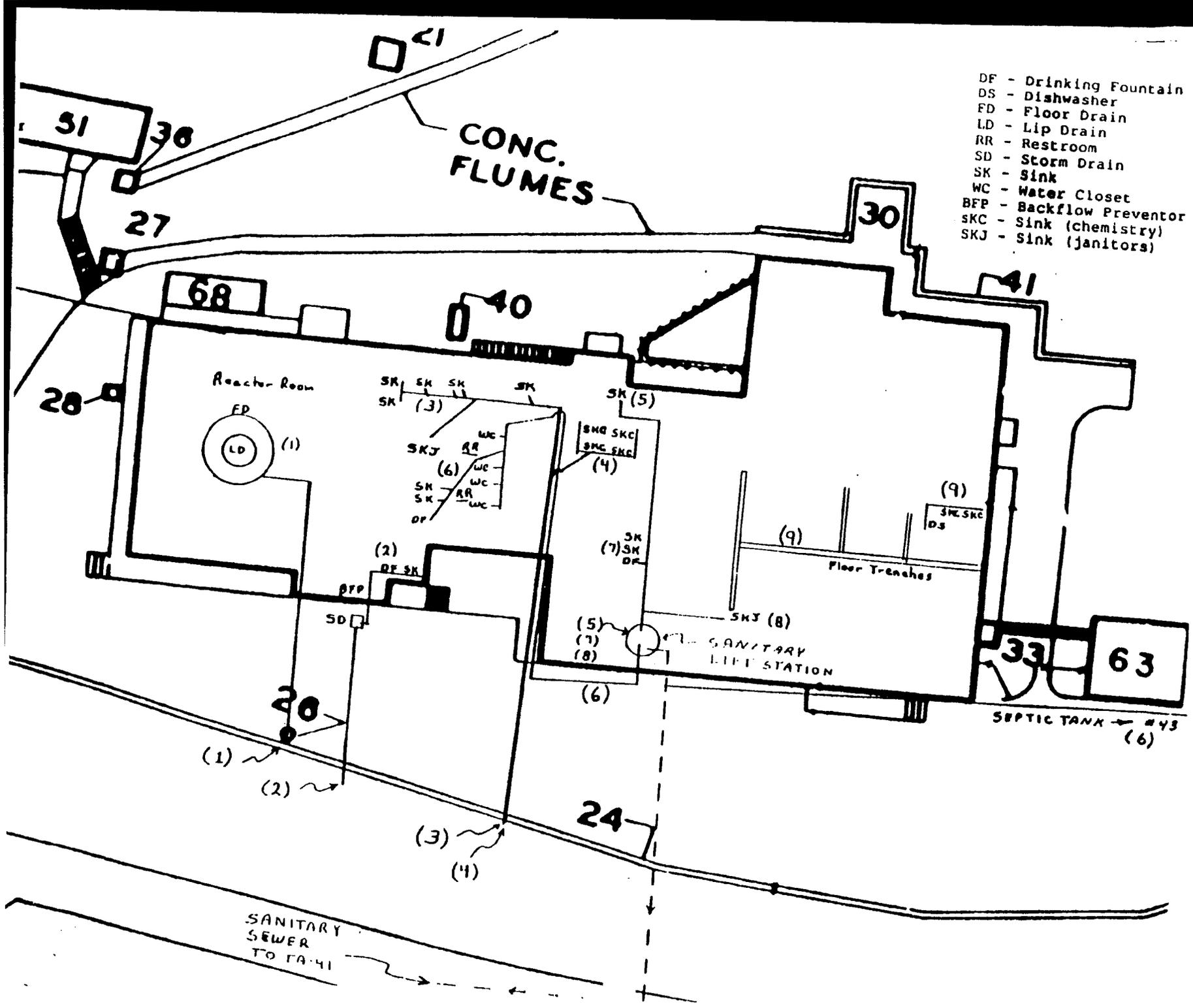
3. Documentation. Identify relevant health, safety, and environment documents.

	Existing	Indicated
a. Standard Operating Procedures (SOP)		X
b. Safety work permits (SWP)	N/A	
c. Safety Analysis Report (SAR) or Safety Assessment (SA)	N/A	
d. Failure mode and effect analysis	N/A	
e. Siting study	N/A	
f. Environmental regulations, permits, or registrations	N/A	
H. <u>Any other possible health, safety and environments issues:</u>		

PROPOSED SANITARY PLAN



- DF - Drinking Fountain
- DS - Dishwasher
- FD - Floor Drain
- LD - Lip Drain
- RR - Restroom
- SD - Storm Drain
- SK - Sink
- WC - Water Closet
- BFP - Backflow Preventor
- SKC - Sink (chemistry)
- SKJ - Sink (janitors)



(1) ~~~~~
 (2) ~~~~~

(3) ~~~~~
 (4) ~~~~~

SANITARY SEWER TO FA-41

SEPTIC TANK #43 (6)