RECORD

MISCELLANEOUS
SMALL PROJECTS
&
ER PROGRAM

RFW

M. BONE

Los Alamos Environmental Restoration Records Processing Facility

ER Record I.D.# 41147

14119

Control # 24

Pages 5 through 8, 25 through 26 and 75 were removed from this logbook on 5/21/98. These pages contained non-ER Program information

Signed: Sol Meynus Date: 5/21/98

Witnessed: Mark D. Hanson Date: May 22, 1998

5-12-89 Kick off Meeting
1:40 Mound FS

11/27/89 Kick off Meeting [WO # 2744-40-02]
10:00 RI/FS Work Plan
Site wide

Definite Schedules

1. Following "EPA Guidance"
2. Respond to comments
Due Dec. 8 on original
Documents
3. 3 volumes: IUP
SAP (FSP + QAPP)
HSP

4. J. Brinkman - FSP
5. C. Wood - QAPP
- needs to address air
sampling activities
- Resource Appendices
- Address RAD
- Mound Doing Analysis / COI
10% to IT to confirm

6. Workplan
- Sect. a) RA alternatives
b) DQO's, ARARS

7. ARARS
- be specific
to Area B

DOCUMENT CONTROL

28 AUG 10:00
LILLIE
M. DOUGHERTY
S. RAMOS
M. BOWE

MET FOR TWO HOURS

ARCHIVE
RETRIEVAL
STORAGE
CONTROL
CLASSIFICATION
ACQUISITION

ONE STOP?
HOW DOES IT GET INTO SYSTEM.

CLASSIFICATION FIRST
IN OR OUT
HOWS DOCUMENT GOING TO BE CONTROLLED

STORING
ARCHIVING
RETRIEVING
CLASSIFICATION

MAIN FUNCTIONS

TYPES OF DOCUMENTS

SHARON 1. REPORTS
LILLIE 2. CORRESPONDENCE
MIKE D. 3. REFERENCE
4. PROPOSAL — MIKE D.
MIKE B. 5. GRAPHICS / DWGS / MAPS
6. FIELD DATA / LAB — SHARON
7. CALCULATIONS — MIKE D.
8. AUDIO / VISUAL — MIKE B.
9. ADMIN FILES — LILLIE
10. H & S — MIKE B.
11. QA FILES — SHARON

~~BTO~~

CLASSIFICATION
↓
CONTROL
↓
PROCESSES

DEVELOP SIMPLE FLOW CHART OF FOUR AREAS

MBowe

9-3-87 11:00. Mike Donnelly
Linie
A. Bing
S. Ramos

11-17-87 11:00 LAGUNA PROPOSAL

N&S — INDUSTRIAL

EBERLINE — ENVIRONMENTAL
N&S ?

JIM HARRISON
BILL ALMAS } LANDMARK

1. OPENING IDEAS — BRIEF
2. QUESTIONS
3. SUMMARIES

- FLEXIBLE NEEDS
- PROJECT SUMMARY
- DEFINE TERMS
- MENTION GOOD POINT FIRST

CAPABILITY TO DESIGN
INNOVATIVE

BEST & FINAL — FRIDAY

TOMORROW 1ST NAT BANK — DT
1:00

CHUCK BURT — FLOOR PLANNER

TEMPERAMENT
G IN PEOPLE
LEAD IN FIELD
ABILITY TO FLY
& QUICK MAKE
CHANGES IN
FIELD

SIZE — INDUST.
FOR CO.

SCHEDULE
FIRST

EQUIPMENT
40% SAVING
70 TO 80
% TO MIC

BUDGET
INVITE
PERSONAL ISSUES

COST
ESTIMATE
ACCURACY

SCHEDULE
IMPACTS
BASED
ON
DESIGN
CHANGES

POOR
BARE

[illegible]

3-2-88 LANL / TA-1 ① FIELD RECON

8:00 MEET @ R. GONZALES OFFICE
8:30 MEET @ DOE LAO
BRIEFING TO DONNA LACOMBE - DOE

HSE-8 - ALICE BAER
DOE - DONNA LACOMBE
LANL/ESH - ROBERT GONZALES
M. BONE
STRACHAN
BAKER
ZELLE
} WESTON

TERRAIN DIFFICULT NEXT TO FENCE
MISCELL. DEBRIS
1600 YDS WEST OF TA-41
20 mR/HR - 25

16 BACKGROUND

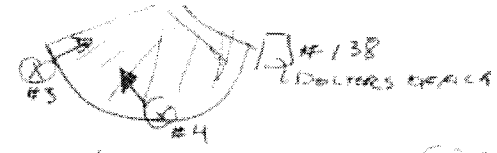
#1 OUTFALL LOCATION, S OF TELEPHONE BLDG
8" CLAY PIPE, NO READINGS #142

#2 OUTFALL, #216, DAMP SOIL - POSS. SAMPLE
6" STEEL SPIRAL 200 cpm - 6m probe
POSSIBLE #142 } 22 mR/HR
JUST EAST OF PUEBLO SHARP CONCRETE
DEBRIS, STEEL DOOR ETC

EAST OF DEBRIS - DRAINAGE THRU
MIDDLE
AT MAJOR DEBRIS AREA - ACCESS
IMPOSSIBLE

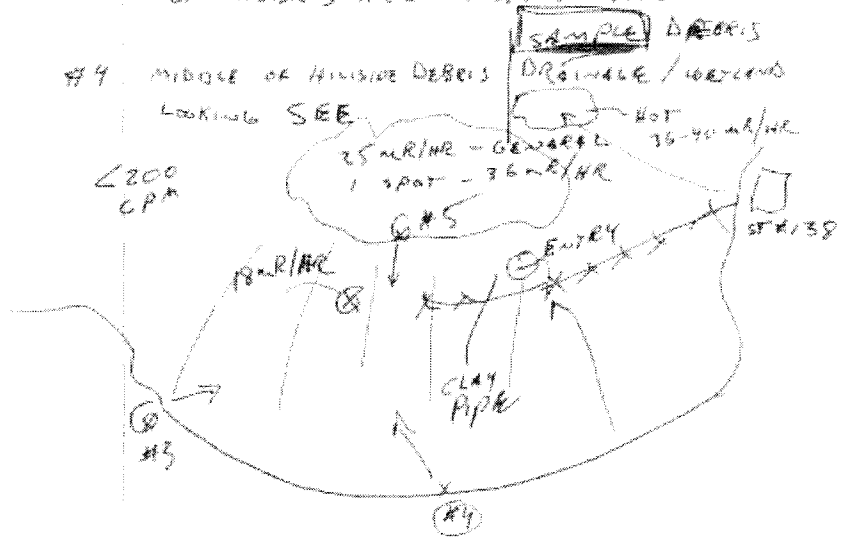
CONC. DEBRIS - GATE VALVES
WATER DIST
SEPTIC TANK
} E. OF DEB. DRAINAGE HILLSIDE DEBRIS

#3

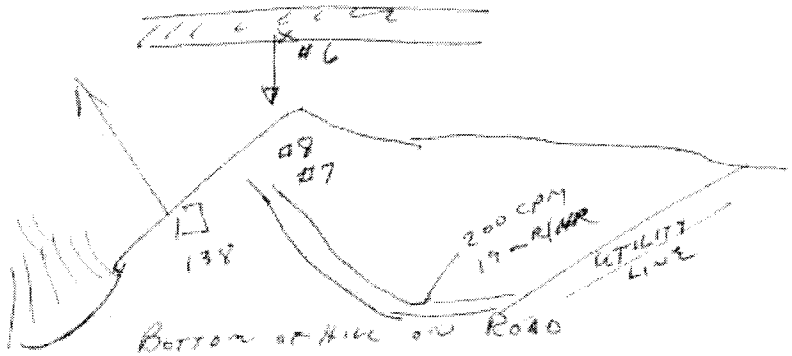


SWW LOOKING DOWN FROM (E) RIM
OF DEBRIS AREA NEXT TO MAIN

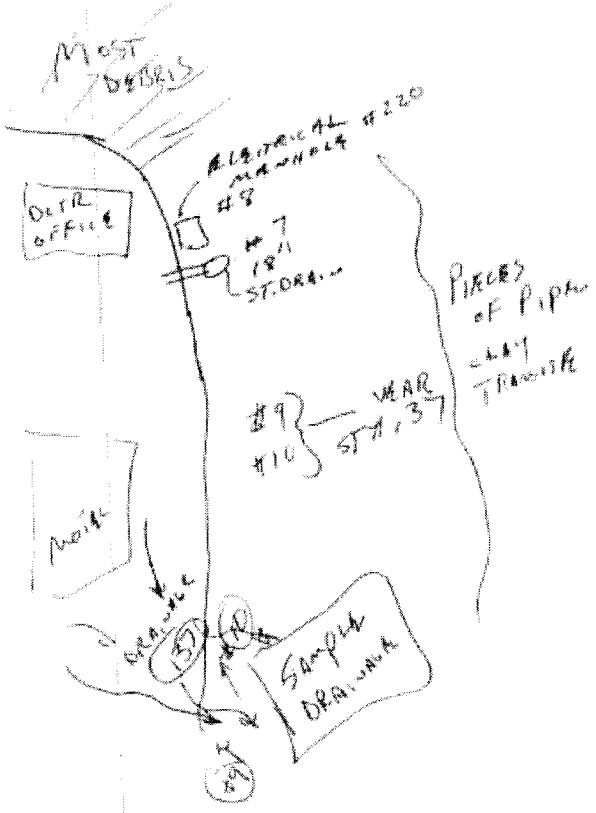
#4 MIDDLE OF HILLSIDE DEBRIS
LOOKING SEE

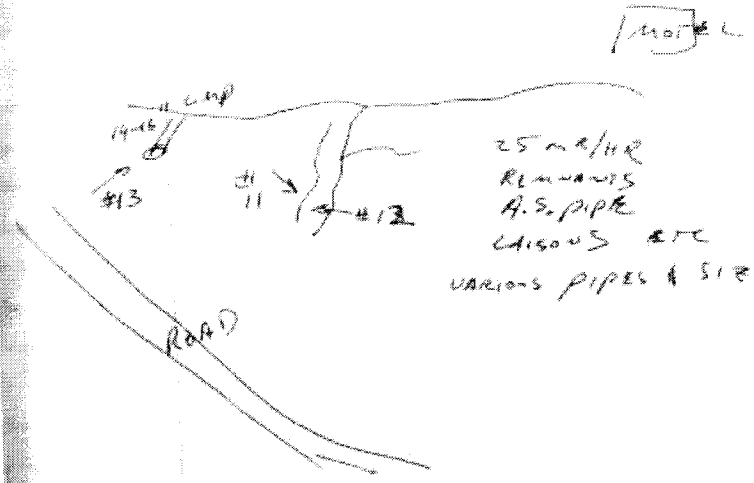


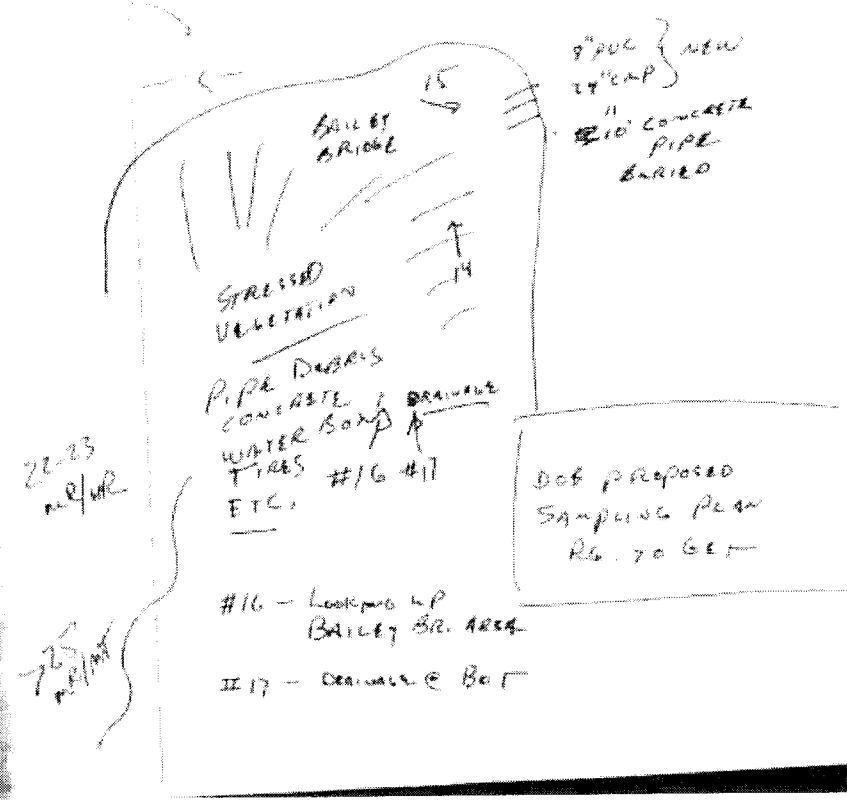
#5 BOTTOM OF HILLSIDE DEBRIS
LOOKING UP TO TOP



Bottom of Hill on Road
#6 under Ridge looking up
past #138

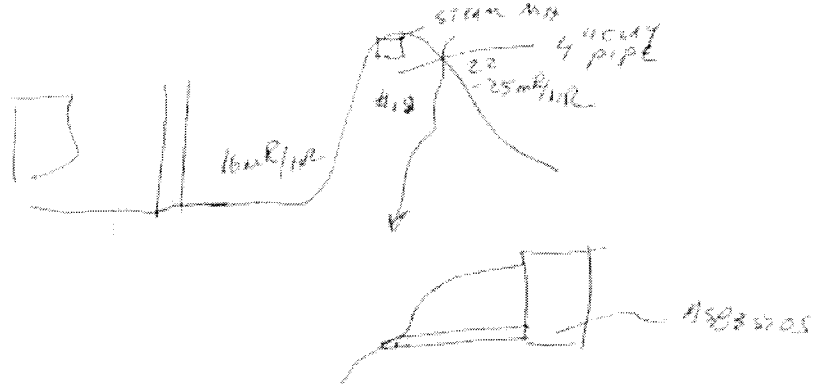


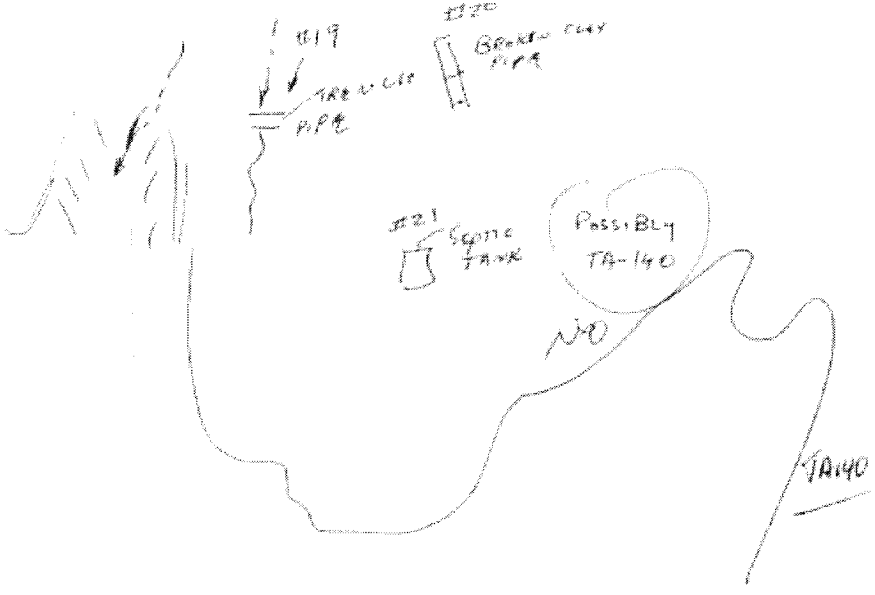


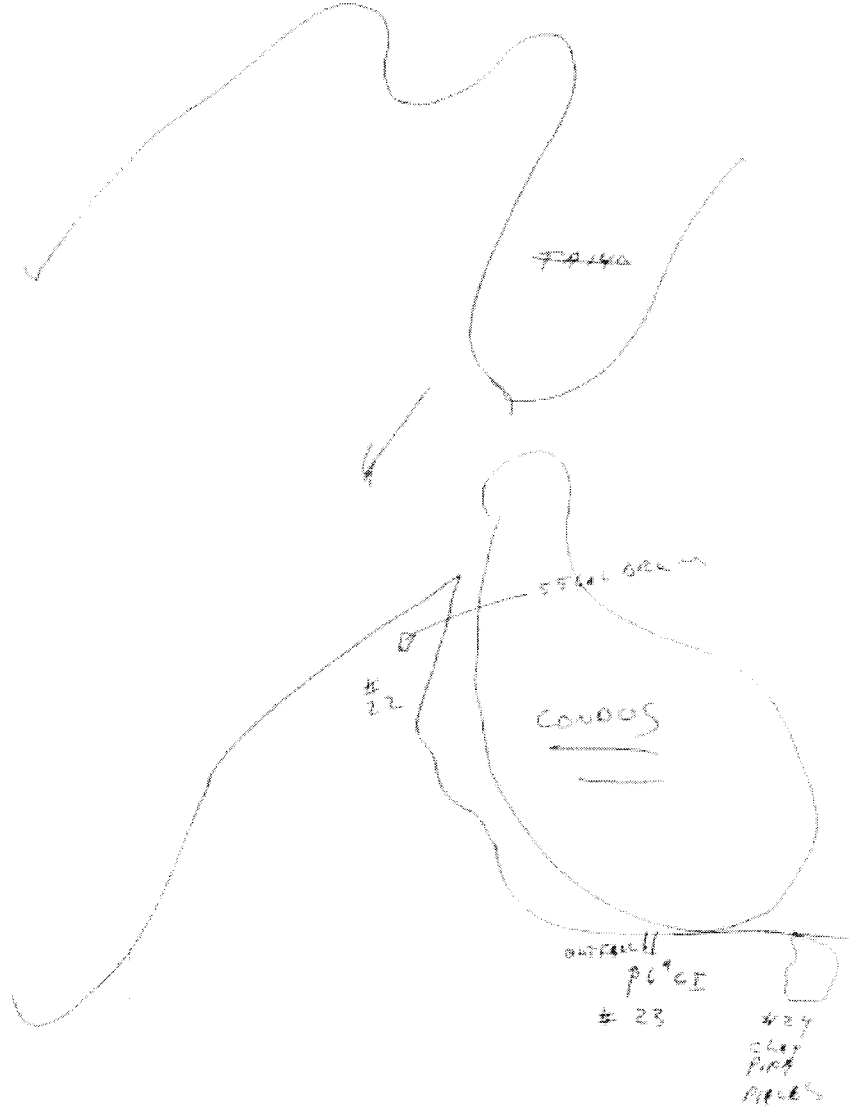


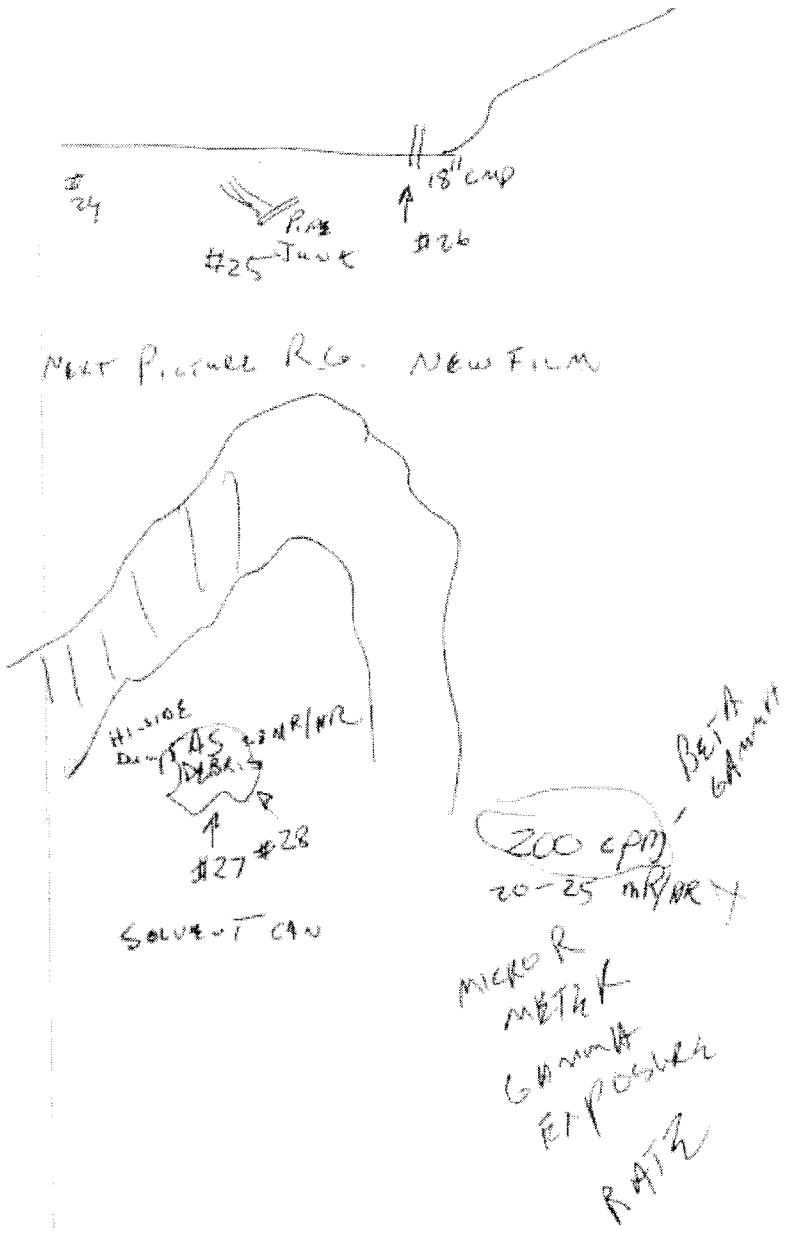
LUNCH 11:45 - 1:00

START FROM LAO - 1:15









CONTACTS

RICHARD ROMERO – TECH HSE-8
AL VALENTINE – CRP LOR
HSE-1
RAD DECON

4:00
MEETING

3-4-88 LANE MTNG
10:15

R. GONZALES — P. ZELLE
M. BOWE
D. STOCKHAM
P. DARR
D. MILLER

DESCRIPTORS FOR DIFFERENT
TYPES OF SITES
1. FIRING SITES
OUTFALLS
ETC.

★ • DEVELOP LIST / DWIGHT BOWE / MILLER
• ASSIGN IDENTIFIER
• ADD TO DESCRIPTORS

TAKE STEP BACK THEN DO RIP

[illegible]
10:35

3-4-88
10:35

LANE MTNG
DOE
VOLLE — K. BAKER
R. GONZALES
STOCKHAM
D. MILLER
P. DARR
KILBURY
ZELLE
M. BOWE

1. RAISE OF TIMES
OR TO ADD A DESCRIPTOR
TO SITE DESCRIPTOR
PER R. VOLLE

2. STRIKE OUT IDENTIFIER
BUT MAKE A TRACKING SYSTEM

USE AN INTERNAL TRACKING
SYSTEM — CAN'T CHANGE
PHASE I DATABASE
IT HAS BEEN REPORTED
TO EPA & LOADED

[illegible]
11:00

COMMENTS ON IGUP

PROTOCOL:
RESPONSIBLE AUTHORS
NUMBERING SEQUENCE
TECHNICAL ASPECT
LOGIC
REFERENCE

INDICATE CHANGE
BE RESPONSIVE

1. FORMAT
2. COMMENTS
3. REVIEW.

MARCH 11, FRIDAY

BE VERY RESPONSIVE
TO RANKING SYSTEM

WHERE GOING FROM HERE

II COMMENTS
COMMENT / RESPONSE

BUDGETS & SCHEDULES
WASTE AREA GROUP
WAG TITLE
ID # FOR BUD & SCHED

ER BRIEFING — 14, 15, 16 MARCH

MEETING W/ KEY INDIVIDUALS @ LANL
AL VALENTINE
CARTWRIGHT

WED 9TH 8:00
DRY RUN

FRI - 1
NOON 14 - NOON 16

2:00 MEETING W/ BAKER
START PUSH RIPS GOING

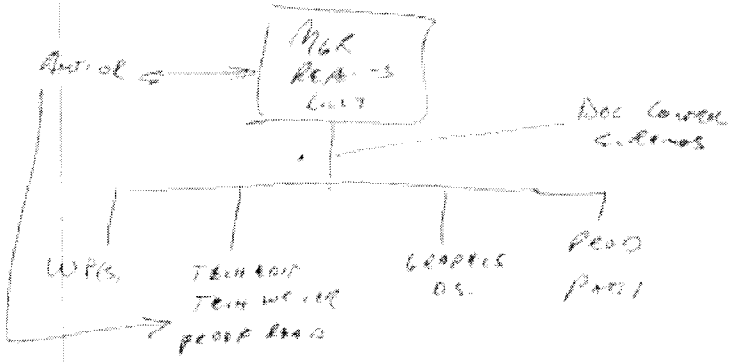
MARCH 14

11:00
POT BOND

3-11-88 LANL SHP MTG

DOE	L. GREGORY
B. SPECKHIN	S. WAGNER
J. PRICE	S. RAMOS
M. BOWE	J. BAUMGARTEN
K. BAKER	R. KILBURY
	R. SOLOW
	R. LOWY

ROGER ANDERSON – SERVICE OFF
TOUR OUR OFFICE
INTRO TO STAFF & SPECIALTIES
IT CONF.



WASTE REVIEW

W.E.D. OKYRUN
PART III IMPLEMENTATION PLAN
PLANNING STRATEGY &
ACTIVITIES SUMMARY
– MARCH 1988
DRAFT

830 NEXT MON – LAST REVIEW
1100 – REAL MEETING
THRU JUNE & ½ WED
FOR DOE HQ PEOPLE
OPEN & INFORMAL

WMGS – WBS OPERATOR

HOFFMAN – HARDWARE & SOFTWARE

ANDERSON – HARRE – WMGS PERSONNEL
E BASCO – H LEVEL MGT
(W) IN SEATTLE
AS PD
ENV. & REGS, SITING

M T Bowe
3-11-88

3-15-88 CORP MTNG
8:30

R. Kinney R. Gonzales
R. Baker
R. Bone
D. Miller R. Zelle

SOP

(1) RIP - worksheets, Action sheets
To be followed

ASAP

BAKER - Get 1 RIP through

Recov RIP vs STAGE 1 RIP

1) PHOTOS

RIP PROCESS

PR FLOW PROCESS + RIP OUTLINE
TIER to IGMP

CC: VOCKE
C. Reynolds
GONZALES

(2) RG - Special work permit
2-3 days prior to field
activity

Comments from HSE on FIELD SOP
- Space waiving

(3) HSE-1, 8, 5 - March 28 Thursday
10:AM Meeting
HSE-3 - Clarence Cartwright
-1 Al Urquhart
M-Div. Frank Jackson
-7 Ray Guardi
Retired Carl Buckland
Richard Romero
John Dougherty
Harlo Russ
Hugh Parton

Establish Commun. Link

Planning - (W) prepare

(4) RG Availability
no - 29

SAED Sept 3, 301

(5) TA 1 Field visit
3-29-88

RETURN TO H&P ON THURS 3/31/88
— SAMPLING PLANS

WILSON — H & S.
SCLOW

BREAK UP INTO PIECES

MEET w/ RG — TUES 3/22/88
8:30 ARRIVE

MT Pzed
12:00

EP Program Technical Support Office
March 22, 1988 Meeting

Name	Group	Phone
Karl W. Bandelin	HSE-1	667-8127
Charles Blackwell	HSE-1	667-7187
Lars Sabatt	HSE-5	7-2056
PAUL G. DAGA	WESTON	255-1945
Richard Roman	HSE-8	667-2752
David F. Miller	WESTON	255-1945
Mark Bee	Weston	255-1945
Phil Zelk	Weston	255-1945
Richard Gregorio	EP Program TSO	665-5226
H. W. Ross	Consultant	
Barry Dawson	HSE-12	667-4163
Caroline Reynolds	"	667-3338
Rick Kelly	Weston	255-1945
Kenneth Baker	Weston	255-1945
Charmaine Countryman	HSE-3	667-4716
Allen Valentine	HSE-1	667-5296
Frank Jackson	P-DC	667-6683

Stop

Harold Ruiz – 74-23
Charles Blackwood – "
Carl Blackwood
Jackson – M. Dickson
Charles Sabinart – 1973
Richard Romero – 1976 Acid Line Removal
Carmelita Reyes

LA-10 971-MS – Acid Sewer Line Removal

Alexandine – MSA-1

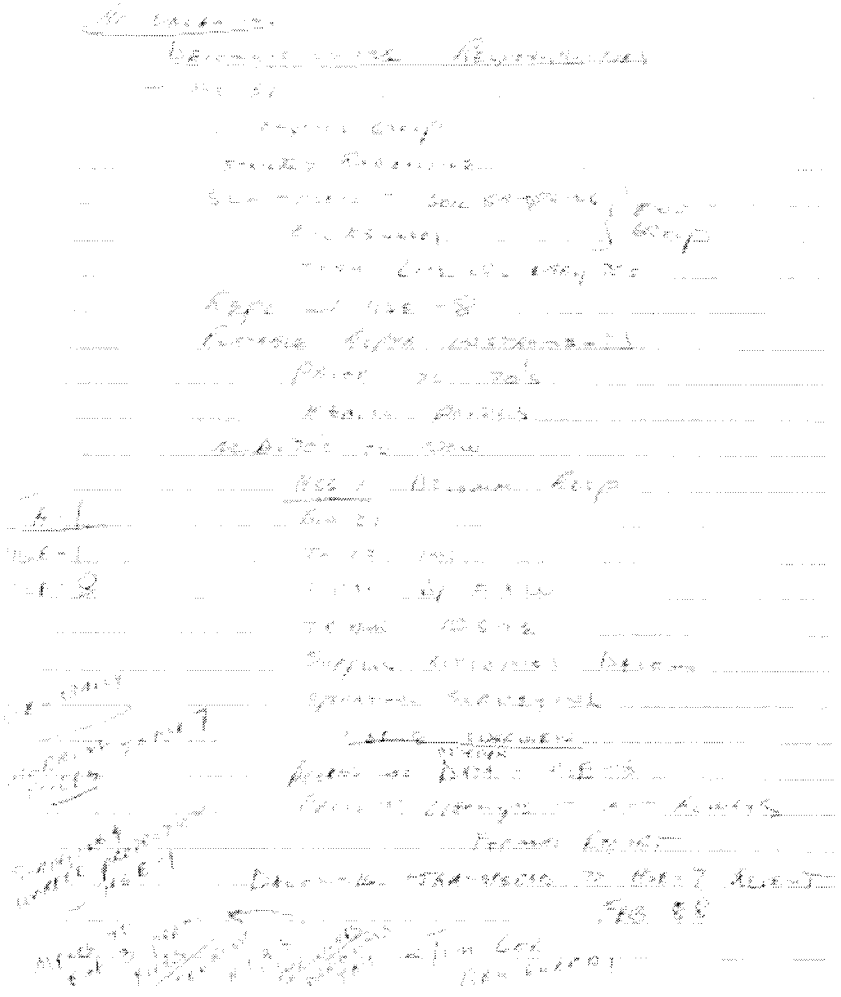
Rig
Pit 1 – FAST Sump Pump
Acquire AS Ass.

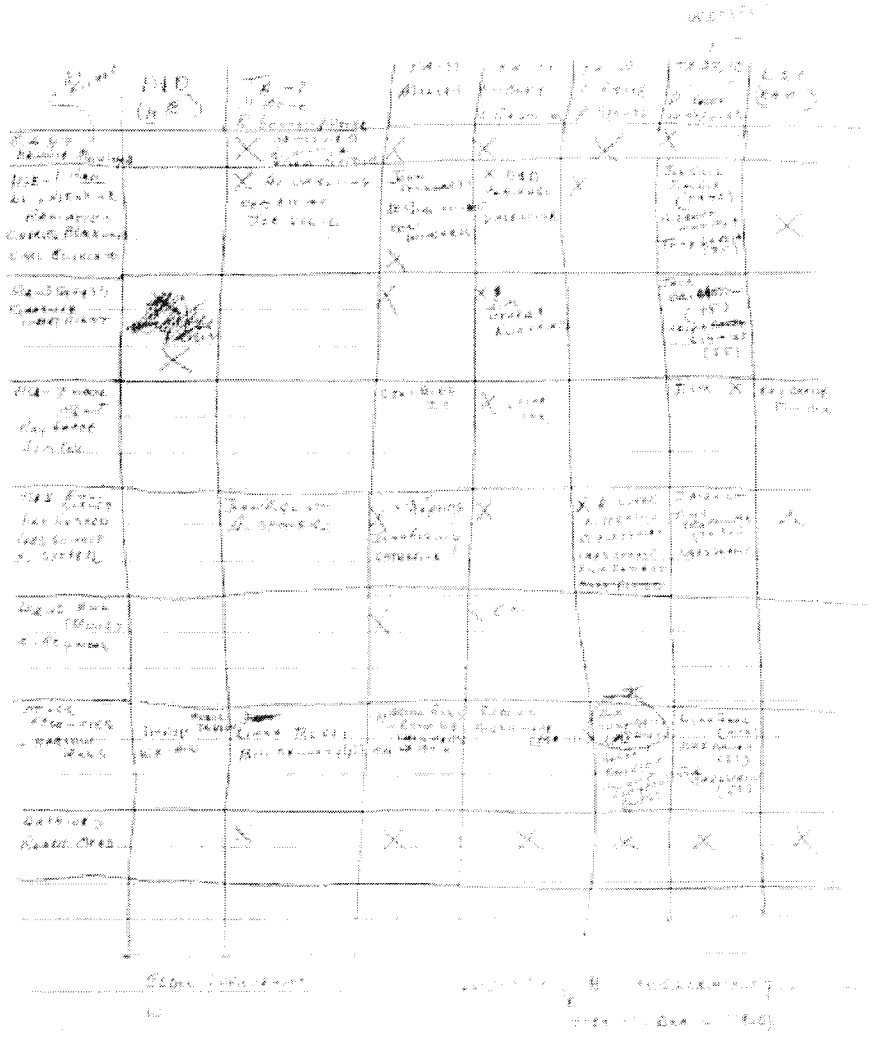
74-23 now Maximum

53-1954 – East
64-65 – West & Acid
Previous Report 74-76 – Residue
Surface & Subsurface – Private Lands / Trans-Ty Drive
Residue – Septic Tank Removal
Cargo Disposal Pits
Acid Sewer Line – Keep Pump Clean
Septic Tanks & Sewer Lines
– Lines, Tanks, Septic Tanks

Outfalls –

Rig Lot
Rad Met Was Waste





[illegible]

[illegible]

[illegible]

7-8-98

Team Lane Review Debriefing

Data

R. Ware

L. Baker

D. Miller

D. Sherman

M. Bower

Process

Summary Report for Lane

* SPRS — Don't [illegible]

workshop

Workshop

- [illegible] with examples

- B [illegible] 1998

- PRE 15 at PRE 10

Make [illegible] go through process [illegible] to [illegible] and [illegible] to [illegible]

through process of [illegible]

Shift gears and go HRS description

[illegible] process as SPM with TA Area

HRS After MPSI

PANDD Screening Tool Before SI Finished

Scientists — Scientist Decision

Prioritize

Assumptions

Give the Model!

Test [illegible] to see [illegible]

Users — to give opinions [illegible]

Tool only

Services MPSI Alumni

Team Review

Information Review [illegible] by Service

Critique HRS

Assumptions About Conclusions

End

MTB

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

- offices
- Rt. labs, etc
  - Primary [illegible], [illegible]
  - no radioactives
  - License to handle RAD
  - need to get [illegible] to [illegible]
- Comp. [illegible] systems
- RI — (W) services
- Reference Co., Reading
- SBS, Inc. 3R — Mario [illegible]
- Graphics — Gilkerson
- Management scope of work
- HBQ — 25 [illegible] days
  - 6 on EE program
  - HH S-plan
  - Comp. Plans
- Field workers
- Site work — Inst. Mgr — [illegible]

K. Barker — IM
M. Bond: TA-1, Canyon
D. Miller: TA-33
R. Gibson: TA-21
R. [illegible]: TA-39, TA-10
P. Orr
D. Sullivan
R. Anderson
} TA-4, 5 ...

Barney/Sandoval

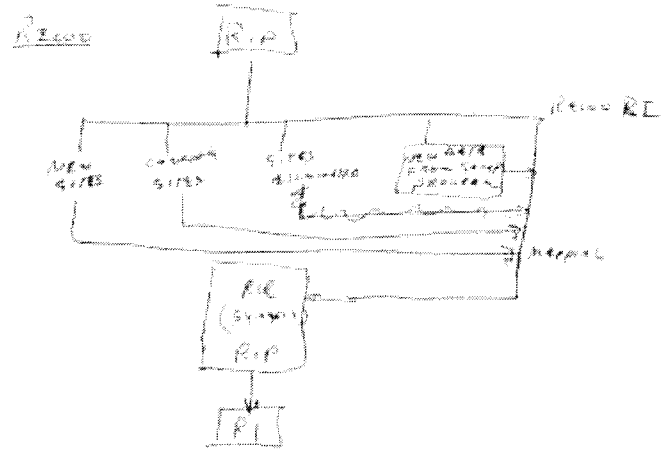
TA-1, 21, 33 will overrun [illegible] for RIP
Need to split money to field work
(W) WBS

Want to beat [illegible] for TA-33, TA-21 RI's

TA-21 Planning Highrisk
Plume crack & release
Pollution

Sampling / mapping / documentation
RIR data & synopsis of next stage RIP
Surveying — Santa Fe

Plan



TA-21 — Draft RIP 2-3 wks

Ideal

Develop map — → Prepare for next phase

Develop surface survey

Sample if time consuming

Sample canyon areas, & lakes.

Identify activities in Bldgs

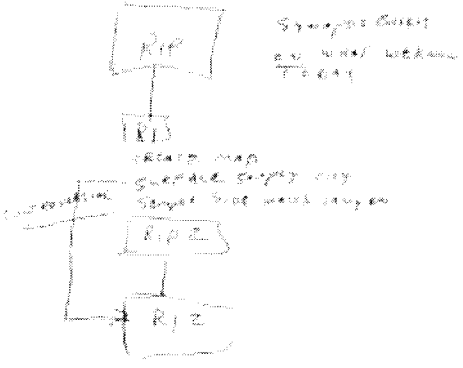
Next Bldg for check

Historical
Geol
Archeological } Task Review

Pu 238

Z-89 →
Weapons grade Plutonium
Reduced uranium
Depleted "

Weapons kinds same
Fission
Fixed uranium



Public contact & stress trailer
- Good concept
- Fixed portables
- Vehicle, gas wagons in Bldg
  - Screen outside
  - Rear hot spots
  - Area B
  - TA-21 outcrops — good concept
- Use to ~~[illegible]~~ stop hot stuff

Exposition Assay/temp. trailer @ TA-21
Area TA-55 samples no
Fixed surveys of area instruments
Problem exists in expense during
more difficult
- Z survey work was
  - [illegible]

Issues
1. Initial sampling & analysis SOP
2. Contact on TA-21 R/P
   Map strata
3. Rad screening & Lab
4. Review of TA-55 R/P / internal — goes to Rad 1
5. Revisions to schedule for purpose / imp III
6. TA-21 sequencing / improving / surveying I 1st/pre SOP
7. Procedure for surveyed
8. Schedule for interviews TA-33, TA-21, TA-1

Review [illegible] TA-6 - [illegible]
Guide on [illegible] - [illegible]

END
Part B

4-15-88 ER STAFF PROGRAM
9:00

DOG — D. PINO
DEXTER — BAKER
STOCKHAM
DARR
KILBURY
SOLOW
ZEILE
MILLER
HANSON
PRICE
R. ANDERSON

BONE

1. RESPONSE TO TASKS
a. SOW
b. COSTING
2. RPTS MGMT — PROD. DOC. ROUGH TO FINAL
a. FLOW, PROTOCOL *DEADLINES*

FORMATS
RIP, RIR, ADM, ARAR } LANL COMMENTS BY NEXT WK — WHOSE GUIDANCE OF PART III IMPLEM. PLAN } 1) HQ 2) AEC AFO 3) PART III

APPROVALS
PUBLIC AT ERWP
PROJECT ANALYSIST
TECH OVERHEAT / ACCESS
FRO FACILITY CONFERENCES
ORG CHART

TECH EDIT MTNG — 10:00 THIS MORN

LANL GENERAL SOW
— 9 TASKS
— NEW #'S

PUT STRESS ON PRESSURE

RPT MGMT ⟹ DOC. CNTL. SYS.
→ ROUGH DRAFT ELEMENTS
* TITLE
* OUTLINE
* TABLE OF CONTENTS (IF)
* ROUGH TEXT
* " TABLES & FIG
* LIST OF REF.

⇓

DOC. CNTRL / 5 LEVELS OF EDIT

* WORKING DRFT LEVEL
HAS BEEN REVIEWED
THEN TECH EDIT — LEVEL 4
SHARE T. EDITOR
AFTER REVIEW
⟷
THEN LANL T. EDITORS

ER PROJ. PLANNING MTNG
MON — 8:00

Approvals — Doc Cores

- Equip. Releases
  - Photo vac
  - Vehicles / for our use @ Level 2 seats @ Airport
  - GSA Drivers License
  - R&A Cronin out Proc.

Proj. Analyst

Monthly Reports of Memos
  * Still important
  * Due last Friday each month

Tech Circuit/Assistance
  - Generic Activity Report
  - QC Function
    IT involved
    Ext. Level of Audit
  - We need to control slope / a year

Tech Fac. Conferences
  - EPA conf — May 12: noon — Sand Mg Level Pantar
  - Dallas May 3, EPA Reg 6.
    9:30 Tues
    Allied Bank Bldg.
    Sabrina Wells
    214-655-6630 60.

Bauer
Bove
Kieb.
Stouder
Dale
Hawson
Dexter
Solow / Lang

Mulak

Rea Circuit — Level Array

Gena Sup. 60 — ER P. — General

General Example Cost Proposal

1) SOW
2) MP Loading
3) Int/Ext Bup:
   Sub Cont.

Challenge NM Gross Receipts Tax
  for Subs & Pers. Located Outside NM.

80% ceiling or limit
— watch for

$50/hr Rate for Western Projects

Guidelines for Track

McMorrow
10:00

4.28.88 ER - STAFF MTNG
11:30

DDG	BRINKMAN
BAKER	LOWY
MILLER	ANDERSON
WOOD	BONE
PEIL	PRICE
ARGON	
SOLOW	
DEXTER	
KILBURN	

MONTHLY REPORT

PERCENTAGES

1) % OF BUDGET
REFER BACK TO SCHEDULES IN PART III

START/COMP / STATUS

% OF SCHEDULE

DAYS *GUT FEELING*
% COMPLETE

CLEAN!
PPPs - DUE TOMORROW
LMA 4

SOPs - MAY 20 D.L.
LAND SURVEY

ACTION PLAN - TAKE CHARGE

EQUIPMENT NEEDS

MVBal
12:15

5-3-88 LANL ER PROGRAM STF MTNG
3:40

DOE
BAKER
KILBURY
BAILE
MILLER
DARR
STOCKHAM
JAY FARR
BOWE
S. SCHAFER

RECON PLANS VS RIPS

ARCHIVES — JAY W. DEEDS TO BE CONTACT.

RECONS DONT REQUIRE EXTERNAL REVIEW.

BAKER WILL JUSTIFY R.D

LANL WANTS TO BE LEAD

ARAR / BENNETT (W) WASH D.C.

[illegible] 4.30

5-6-88 MEETING
8:30 R. GONZALEZ
A. BOWE
R. KILBURY

SOP 5.14 — RECON

GLEN NEALY — HSE-1 667-7717
ITINERARY
SPECIAL WORK PERMIT FOR
SITE SAFETY PLAN NOTIFICATION MEMO
BADGING — LANL TLD — 1 MONTH
& WESTON
NOTIFICATION OF AREA COORDINATORS (LAISSON)
USTAR COORD

NEW MEMBERS
HES: INDOCTRINATION
HSE-1 OF 3

OTHER FORMS SECT 1.0 GENERAL LANL
HES — ADMIN

PHOTOS — DOCUMENTATION
CURRENT VIEW
APP. H&S REQUIRES

RECON SOP:
1. INIT. FORMS BEFORE RECON (TIM, SPEC. WK. PERM, SS PLAN)
2. BADGING PROC (SEC. & TLD)
3. PROPER NOTIFICATION
4. INDOCTRINATION
5. OTHER LANL FORMS
6. PHOTO PROCEDURES
7. REFER TO RIPSOP TO LANL / ACTION FORMS

LANL RECON SOP — IC, LAISSON, PI

GENL. FIELD FORM – RECON

SITE RECONNAISSANCE FORM:

1. DATE OF VISIT
2. WEATHER
3. WHO VISITED THE SITE
4. TA
5. LOCATION DESCRIPTION
6. COORDINATES
7. RIP DESCRIPTOR
8. LANL STRUCTURE #
9. PHOTO ID #
10. ENGINEERING DRAWING #
11. SITE DESCRIPTION (COMMENTS)
12. CITATION / REFERENCE

@ 12:00
W. Rose

5-10-89 FR PROGRAM PRIORITIZATION

8:00	DOE	K. REA	R. SENA
	KASHIAN	B. VOLKE	COCHRAN
	KIEBLER	J. WANGERE	LACKAR
	BONE	J. KRUGER	
	HARTON	~~J. COCHRAN~~	
	D. MILLER	~~G. LACKAR~~	
	SOLOW	D. FARLEY	

APPLY SYSTEM TO '90 BUDGET

HTS CRITERIA
80 – 100 – HIGHEST
70 – 80 – SECONDARY
50 – 70 –
30 – 50 –
0 – 10 – LOWEST, NO RECEPTOR

HPI #'s

> 80 ⇒ 5
> 40 ⇒ 2
0 ⇒ 1

HI – AVOIDED ASSIGNING SCORE FOR FACILITY

EH – ?
HPI – ?

PROGRAM – $33 MIL
4 SCORES
LOWEST – NO FUNDING

DEFENSE PROGRAM $ CONSULTANT

SCORE W/ NO FUNDING TO SEE
HOW BAD SITE IS W/O FUNDING

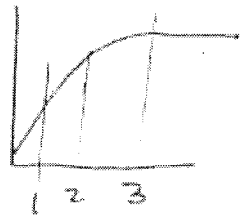
NO FUNDING $0
ABQ TARGET – 33.7 M
INCREMENT – (–)20% RED
+50% OVER TARGET
+100% " "

SCORE EACH PROJECT: FY 90

LANL AREAP – RCRA PART B

	~~TASK~~ (PUBLIC) H & S	REGULATORY	PUBLIC POLICY	DELAY ADVERSITY	FUTURE COSTS
TASK:	1-5	1-7	1-5		
WEIGHTED BASIS	(RECEPTOR) (.36)	(DRIVER) (.30)	(.203)	(GW CAN MORE UP DETAIL) (.106)	

PLUG IN SCORES & GENERATE GRAPHS



OBJECTIVE
– CUT BACK FUNDING W/O SIG. IMPACT

SOME SCALES LINEAR, SOME LOG

ANNUAL REVIEWS – MATCH ANNUAL BUDGETS

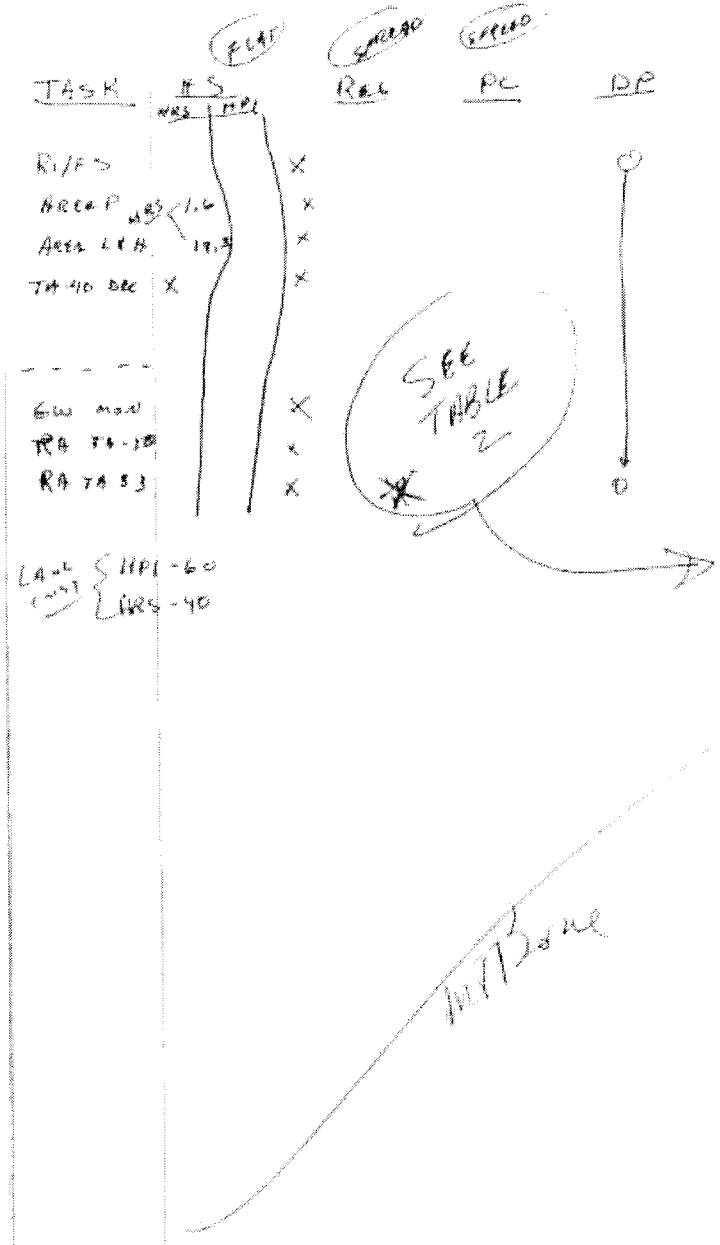
TASK – ? WHAT'S BEING SCORED
WHAT IS BEST INTEREST

TARGET / LANL FY 90

PRIORITY SITES FY 90 FUNDING

TASK	H & S	RC	PUBLCOM.	D. BOARD
R/FS	3.7 [2 x] 3.78			
AREAP	.5 IP			
AREA L&H	2.3			
TA-40 DET SITE	.533			
	7.13			
GW MONIT	2.3 MIL			
RA TA-10	.5			
RA TA 33				

TASK	WHSE	(–20%) REQUIRED	7 TARGET	ENHANCED (150%)	14 MAX (200%)
R1/FS		3.0	3.8	5.8	7.6
AREA P		.5	.5	.5	.5
AREA L&H		2.3	2.3	2.3	2.3
TA-40 DET. SITE		.5	.5	.5	.5
			7.1	9.1	
GW MONIT				1.5	2.3
RA TA-10					.5
RA TA-33					.5 (?)
		6.3	7.1	10.6	14.2



5-13-88 STAFF MTNG
9:00

DOE
BAKER — BONE
KESHIAN — KILBURY
MIGNAROT — BRINKMAN
PRICE
HANSON

	IN.	ALT
KC –	D. JONES	BRINKMAN
LANL –	BAKER	KILBURY
MOUND	PRICE	JONES
PI	KESHIAN	PRICE
PX	HANSON	DEXTER
SAL	BRINKMAN	KILBURY
SNABA	SOLOW	LOFT, SUSAN?

THURS. MTNG 4:30
SUBCONTRACTORS — 30 DAYS
RI ACTIVITIES — SUPPORT FROM COMPANIES
IT – RI, DRILLING, RAD, CHEM, QA/QC, H&S
EBERLINE — RAD - ANAL & FIELD ONLY
ICF – RISK ASSESS.
COMM. REL.
NO RAD

PAM MASSEY } LANL — COST ANALYSIS
DEB GALLAS }

WILSON – H&S
CROWNOVER – TIMS
WOOD – QA/QC
ANAL. – P. BENTZ

LATEST RIP GUIDANCE
— BRINKMAN — LIVERMORE
FERN. OIL SPILL

HRARS — PROBLEM —

OCT 4, 1989 DOC

GET A COPY OF REPORT INCL PROTOCOL
DOCUMENT PROCEDURES

11:00

5-18-88 MTNG @ LOS ALAMOS
1:30 JOHN ENDERS — RETIRED
JOHN WEBER } LA.
R GONZALES }
S. SHAFER
D STOLKIAN
M. BOWE

SURVEYING — TIES INTO OLD MARKER IN TOWN

BILL ROMERO — DOE SURVEY TEAM

CONSIDERED TO BE COLD DECON — S-1

SE PERIMETER TA-1 USED BY SOME SUBMITTER, SOIL SAMPLES
BLDG OUTSIDE PERIMETER FENCE
PM

1954 — PASCAL CHAVEZ
JOHNNY QUINTANA
GERALD EGAN

J-2 BLAKY & BUCKLAND

DISCUSSION W/ J. WEBER ON CANYON MEETING ON MAY 27, HYDROLOGY.

5-19-88 Meeting @ LANL
1:30

Rep: - Cox — Stockham
Blackwell — Darr
Shafer
Wentzel — Bone

D Bldg not checked just treated, layers removed to TA 50.

Clementine Reactor — Area C

Concrete Plugs -

Tank 137 (D-2) -

Tank 139 (I) NF

Tank 268 - NF (I-4)(143)
269 - no attempt (S-1)
275 - NP (WH-5)

Acid Sewer: East (53-59)
West (64-65)

6 TA-1 wastes were discharged w. or TA 45 prior to treatment plant

Sewer Lines: East
West

TA-1 Reports — AS Line
HLR @ Bridge
Harper

Septic Tank - old MRL Bldg — Glen Wehrly MSA-1
near Motor Vehicle
MLO Res. Lab / Lest & Wks / To be taken out may have been sampled

Also Nambe Loop w. of Airport

TU Bldg — Deep Low Level

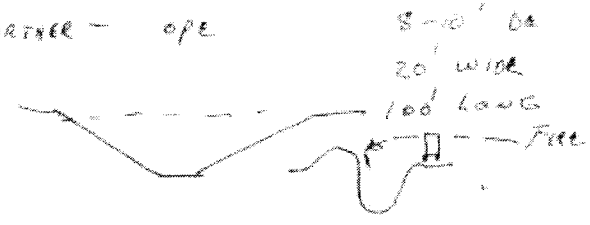
Most steam lines — overhead

Phase 1 - John Enders
Phase 2 - Buckland
Phase 3 - Cox, Guardi ?
} AS Line Removal

TA-54

Machine Tools - Exp. Cont
① open pit to ⓛ @ entrance
② to ⓡ cased shaft
classified shapes

Further — ope



N ↑

SHAFTS

15 YR AGO — RECORDS
& SEGREGATION

BIGGEST — RAD
RETRIEVABLE

NO KNOWLEDGE OF CAP DUMPING
@ TA-1.

LATER TALKED W/ J. WENZEL &
GLENN NEALY (HSE-1) — 667-7177

ADOT EXISTING SEPTIC TANKS (TA-1)
— 1) AIRPORT
2) MRL BLDG

TURNED OVER TO HSE-8 FOR SAMPLING
— PERRY TAUTILLO
RICHARD ROMERO (TOM BEAN)

SAMPLE DATA TO BE GIVEN
TO GLENN NEALY.

M T Bond
4:00.

5-27-88 TELEPHONE CALL TO
AL. VALENTINE 9:00 A.M.

TA-1 1977 REPORT

WHY WERE'NT ALL PORTIONS OF
ACID SEWER LINE & SANITARY
SEWER FROM D-BLDG
RETRENCHED?

VALENTINE DID NOT KNOW! HE
PRIMARILY CONCENTRATED ON
D-BLDG EXCAVATION AND WAS
NOT INVOLVED WITH THE
ACID SEWER RETRENCHING.

— NEED TO TALK W/ J. ANCHORIST
FOR DETAILS

M T Bond

NO NOTES
M. Bone

5-26-88
10:00

MODELING MEETING / RR PROGRAM

JACK ROBERTSON – HYDROGEOLOGIC
~~B.~~ PATRICK HUYAKORN – "
MAC ENNIS – LANL
TONY GALLEGOS – HIGHLANDS UNIV
VIETCHAN NGUYEN – EARTH, WATER, AIR

DARR	S. WILSON
PRICE	M. BONE
T. THAMP	_____
SOLONI	DDG
KILBURY	D. MILLER
DEXTER	

TONY ~~GALLOS~~ GALLEGOS
LA-11126-MS
GALLEGOS & WENZEL
– RUNOFF & SED YIELD MODEL
FOR PRED. NUCLIDE TRANSPORT
IN WATERSHEDS USING BIOTRAN

MODEL UTILITY

- PRELIM ASSESS OF CONT PROB @ SITE
- ASSISTANCE IN DES. OF FIELD INV. PROG
- DETAILED ASSMT OF PRESENT SITE CONDITIONS
- EVALUATE ALT. REM SCHEMES
- FORECAST FUTURE CONDITIONS @ SITE

DIFFUSION IN & OUT OF CLAY LAYERS &
ROCK MATRIX

Types of Reservoir models

- WATER FLOW
  - (1) { – SAT. POROUS MEDIA
  - – UNS. SAT " "
  - – FRACT. ROCKS }
- – TRANSP. OF DISS. CHEMICALS
  (1)
- – MULTIPHASE ORG. TRANSPORT
  - – M.P. FLOW OF NAPL
  - – MULTICOMP. TRSPT
- – PARAMETER EST. MODELS
- – GEOSTATISTICAL MOD.
- –

P. Nuyakorn: CSD
SUBTITLE

RCRA: 3004 & 3004 MODELS
OFFICE OF GW. PROT.

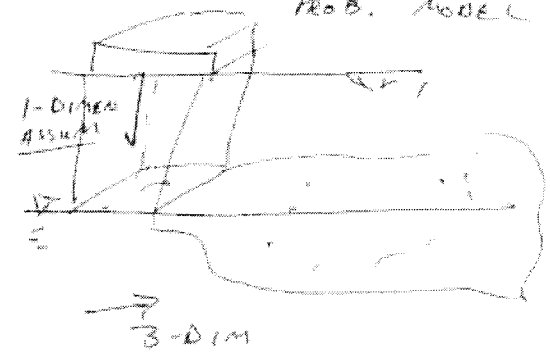
OSW – OFFICE OF SOLID W

EPA COMPOSITE FOR LANDFILL & SURFACE IMPOUNDMENT

– COUPLED w/ MONTE CARLO PROB. MODEL

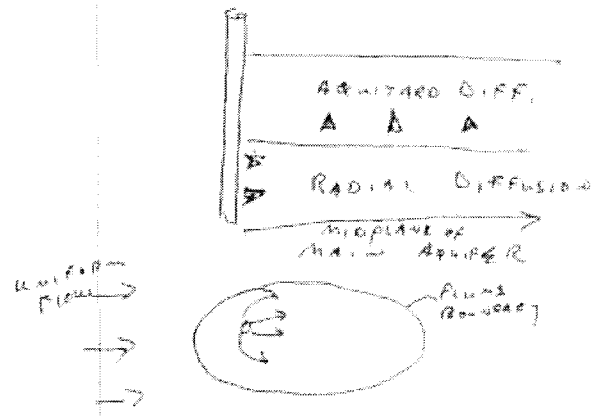
SIMPLIFIED MODELS

SPECIFIC FOR CHEMICALS ~~NOT RAD~~ BUT MAYBE



AGENCY INTERESTED IN USE MODEL FOR SITE SCREENING
- 1ST CUT
  - IF OK – OK
  - IF NOT – MOD'S SPEC. MODELING TO PROVE CASE

DEEP WELL DISPOSAL MODEL



— EASY TO USE
PC
INTERACTIVE
1ST CUT DECISIONS

REGS — FINISH NEXT 18 MOS.

FRACTURED CONDITIONS

FRAC. FLOW MODELS
STORES APPROACH

MAX USE OF LIMITED DATA

5-27-88
10:00

TRIP TO LANL
ARRIVE 10:00
SAW DOE.
CALLED GILBERT MONTOYA
& MET — WANT TO TA 21
SEARCHED ARCHIVE FILES
FROM HSE-8 TILL 12:15
TOOK 3 BOXES TO ER PROG.
OFFICE.

1) ELDER HSE-1 OH-84
ROOM 103
IWL PHASE I RECORDS
2) IWL PROJECT — COX

3) MISC. NEW BRUNSWICK
LAB-LOG — PIC'S & DRAWINGS
NOTES TA-1

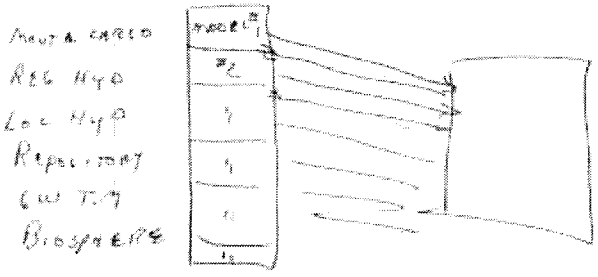
~~REFER~~
TOOK LUNCH & RETURNED TO
TA-59 @ 12:45

5-27-88
1:15

MODELING MEETING
HSE-8 LIBRARY

JAY WENZEL
MAC EWNIS (HSE-8) (BOREHOLE & TIBERIE
MEL MARIETTA } SANDIA
LEO GOMEZ } PERFORMANCE ASSESSMENT
— WIPP
MICHELINE DEBERS — HSE-12, HYDROLOGIST

PRELI:
PARA ASSESSMENT / EPA / 40CFR 191
A. MED @ CONTAINMENT
TRANSPORT ACROSS BOUNDARY
5 KM CYCLINOBR, 10000 YR



UNDISTURBED SCENARIO
DOSE CALC.

CONTAINMENT PART OF REG - STOCHASTIC
INDIVIDUAL PROTECTION - DOSE - NOT DOC
→ 1000 TO 10000 YR NEED
DOSE CALC.

RIGID
SUBJECTIVE CHOICE
BIO - PATH 1

HUMAN INTRUSION - 10000 YR
DRILLING THRU
PRESSURE BUILDUP
DOSE'S
REG IS UNCERTAIN

DON'T MIX RESEARCH & ASSESSMENT CODES

CREAMS
WASTE } Pu M. DEVORS

RUSKIN SPRINGER - BOSS
PROG ANALYST
RESEARCH

TA-49 - RCRA / CERCLA
THIS SUMMER

MY POSITION

6-1-88 TELE. PH. w/ R. GOVERACES
2:15

MYCARS FOR TA-1

SANIT. SEWER FROM D. BLOC.

— 211 UTILITIES - PARVAM
MEL SMITH OUR
JACKIE MOORE

— RET: CLINT GRANT

MTROM
2:20.

6-1-88 STAFF MTNG
3:00

INST. & SITE MGRS

FY 1988 - SEPT

MP & EQUIP NEEDS

PART III SCH. & BUDGETS

BIWEEKLY TO DOG
FOR CHANGES IN SCHED

STANFORD — ARARS

ITINERY FORM

SPECIAL ASSIGNMENT FORM
— K. BAKER

MTROM
4:20

6-3-88 LAUL STAFF MTNG
4:00 BAKER
SHAFER
MILLER
STOLKAMM
BOVE
DARR

MILLER PAID PEOPLE
DO LESS TEDIOUS WORK
UP FRONT

KILBURY & HANSHIRE - TA-15
MIKE McVEY

11, 13, 16
17, 27
15

M. McVey
5:00

6-2-88 LAUL STAFF MTNG
4:00 BAKER
ZBLUE SHAFER
STOLKAMM KILBURY
BOVE

TA-1 — July 8

COMPLETED ONLY TO W.D.

TASK 3, 4, 6, 7
13, 14, 17, 23
24, 18
52, 1

~~IOBRA~~

IGMP 1, 2, 8, 9, 10
11, 5, 15, 51, 12, 22

TA-21 W.D.
BEING REVIEWED
P.O. REV. → W.D.
STARTED 15
16
16, 27 PAST
TASK 2 - W.D. DELIVERED

M. McVey
4:45

6-24-88
9:30

STAFF MTNG

GOG		
BRINKMAN	KILBURY	B. KESHIAN
SOLOW	ZEALE	
MILLER	WILSON	
GALLAGHER	STOCKMAN	
MCNAMROOT	BONE	
HANSON	CHAFER	
JONES	DARR	

BUDGETS
— ANY CHANGES - REPORT
(W) TO LANL
LANL TO (W)
NOT DOE

FY 89

INITIATE IN AUGUST : 2-3 DAYS
89 & 90 BUDGETS
FIRM SCH 89
PROPOSED 90 SCH

INTERAGENCY AGREEMENTS — DOE

R&P — REPORTS MGT SECTION
(1) WP (2) GRAPHICS
(3) EDITING (4) PROD.

BASIC REPORT CRITERIA
TABLE OF CONTENTS
SCHEDULE
LIST OF FIGURES

GUIDELINE — WILL DO
GUIDANCE — TAILOR TO IT

SOP'S — IDENTIFY AS DRAFT
WILL BE ATTACHED
TO IGMP
REF. IGMP FOR
SPEC. SOPS

SM — DECIDE IF SOP
WILL BE ATTACHED
TO R&P.

TELEPHONE MEMOS
— TAG MONTHLY REPORT

HSE-9 LAB
LAB METHODS IN IGMP

ADVANCE (89) SCHED — TO SOLOW
FOR H&S PERSONNEL

ANALYTICS
JUL 6-7 — NORM FLYNN

Bob Collins — Chemist Denver office

Debbie Gallas — Spreadsheets

15 copies — Land Documents

7-6-88 Meeting w/ C. Wright My office
12:30

GOOD
NEEDS WORK
REVIEW AGAIN
NEED A LOT

0 New format TM-1 R/P looks good
Screens for 1st submittal OK

(1) All reports should be accompanied with TM-1 79/80 Survey Report
Make 50 copies *

(2) Discussed problems w/mapping
Submit proposal for work to be done
— get it started
BK

(4) ~~Canyon Study~~
Integrity Sampling

(5) Canyon Study
— RI/FS process
— Lack of Basin Study
— Lack of model validation
5 sets of data that can be modeled

Mr Dewors wants a meeting
need to set up

MrBond
11:00

MrBond
11:00

7-11-88
9:00

LANC MTNG

K. BAKER — MIKE MURRAY
SHAFER — ~~[illegible]~~
MILLER — V. TIDWELL
KILBURY
STOCKMAN
DARR
ZELLE
J. FARR

NEXT YR 4.2 mil + 50 mil

TA-21 + MICHIGAN DEVELP

WORKING DRAFT RIP - SMALL BOOKETS
— WANT RATES

	DUE		ACTUAL	
TA-1 Rip 11	7/8		7/15	
'33 2	GONE (WO.)			
3	7/5		7/15	
4	7/15		—	
GROUP 8 "C"	7/7		7/11	DARR
TA-10	7/5		7/6	ZELLE
TA-16 TR 2	9/1	~~PASI ONLY~~		
GROUP 8 TR 6	7/5		7/11	STOCKMAN
TA-16 TR 13	9/1	PASI ONLY		
GROUP 5 TR 7	7/15		7/14	SHAFER
TA-16 TSR TR 14	9/1	PASI ONLY		

TA-11	TSR 22	7/25	MURRAY
TA-15	TSR 23	8/30 - PASI	KILBURY
TA 19			THOMSON
TA-16 TR 7		8/1 - PASI ONLY	DARR
TA-15	TSR 24		KILBURY

DARR (1) / STOCKMAN (6)
ZELLE (1) / SHAFER (6)
MURRAY (1) / FARR (6)
TIDWELL

GOVERNOR H
PANEL FOR
IN-HOUSE REVIEW

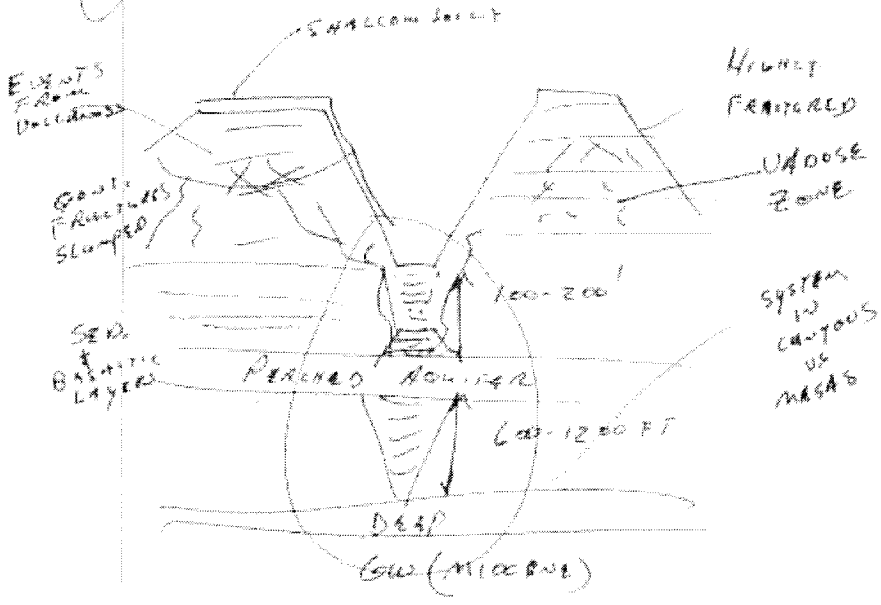
NI & Home

7-18-88
11:05 MTNG w/ J. WERNEL

B. GUICKISON — J. WERNEL
R. DARR — M. BOWE
KILBURY — SHAFER
STOLKHAM — J. HAMPSHIRE
B. MILLER — B. ZELIE
K. BAKER — W. TROWELL
K. LITTLE
NEW DEPUTY

TECH REVIEWS

① GEOL. MODEL — LANL



ALLUVIAL TO PERCHED TO DEEP?

CANYON STUDY — 1) IDENTIFY PERCHED SYSTEMS
2) MONITORING

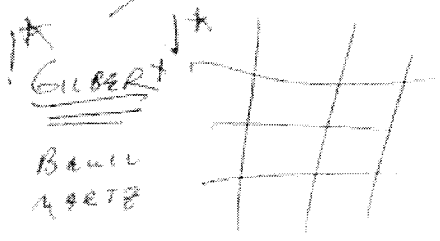
MORPHOLOGY/GEOLOGY ESSENTIALLY SAME @ LANL.

MOVEMENT IN FRACTURES

GOAL — SHORT TERM BOREHOLES

② STATISTICS OF UNBIASED SAMPLE.

STRATIFIED
- UNBIASED SAMPLING (RANDOM)
- SAMPLING (GRIDS)
- BIASED SAMPLING



? HOW MANY POINTS TO SAMPLE TO GET 1σ, 2σ, 3σ

→ EPA DOCUMENT.

HAVE TO ESTABLISH GRID SMALLER THAN OBJECT LOOKING FOR

BIASED — MEASURE FIRST, IF CONT THEN SAMPLE

SCREENING
→ FIELD CONTROL
BIASED
OR ~~BIAS~~ BIASED WITH TOPO. ←

VERIFY FIGURING
— 3-D SAMPLING
SURVEY
WHERE & WHAT CONC.

ID/INVENTORY
— CALCULATE INVENTORY

BIASED SAMP — OV INSTRUMENTS
RAD "
→ INFORMATION
— HISTORICS
— PHYSICAL

2 J MUCH BETTER THAN 1 J
OR SAMPLING GRID.

(3)

SITE MANAGER

FY 89/90

ULT
1 WK
ANY

Look @ Risks & Costs
For R1 work
@ 143K
→ Cost R1

K BAKER'S APPROACH

ACTIVITIES	#
WELL DRILLING/CORING SAMPLING	PER LF

LAB
NOW RAD — MILLER
RAD — SIO/SOHIO SOHIO

GEO PHYSICS
GILKESON

LAND SURVEY
BONE

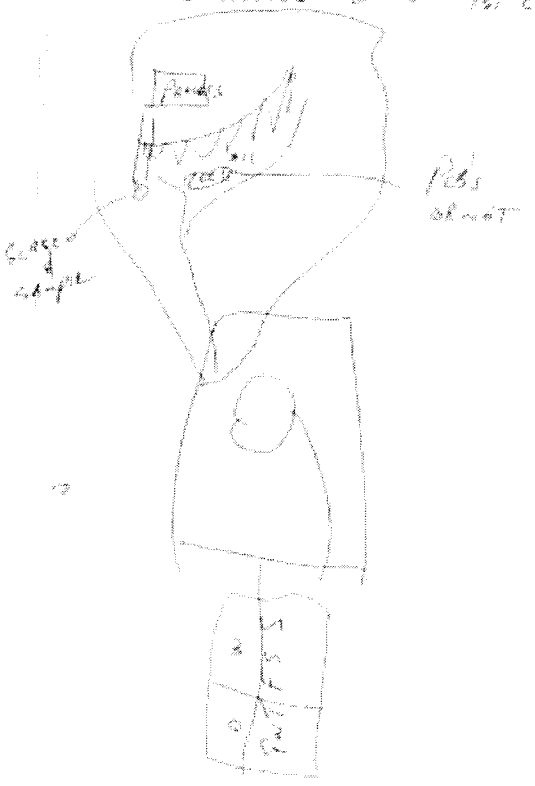
GEOTECH
WELL DRILLING/CORING SAMP
DARR
KILBURY

RAD
REILE #2/point
SOLOW
SPEC
CROSS &
" B

1.00 WHEEL SPOKEMAN BONE 7-28-88

MINIMAL SCREENING
THEN SAMPLE IF FIND
DON'T " IF YOU DON'T

GROUNDING IS NOT THE CUT THING TO DO



1.45 WHEEL BONE SPOKEMAN — PRIME BOUNDARIES LITTLE

RRS

BOILER PLATE
TIER TO IGNP
THEN TIER TO REORDER RIP INTERSECT

TIERS ON RIPS TO WHAT YOUR DOING COMMUNICATE

① TECH REVIEW COMMENTS
— SHARE CHANGES & INFO
a) STAPLING STRATEGIES
b) BOILER PLATE
TIER IGNP
"FIRST" RIP
ARRES TO IGNP
SEL ARRES TO RIP
NEW ARRES IN 2nd RIP

② ARRES — KILLERS
CONTAMINATED
BIOHAZARDOUS
EPA LIT
↓
CERTAIN RRS
REG CLOSURES
RCD'S
WHAT CLEAN-UP
CTDS — ARRES

③ MIKE SPOKEM — WHEEL RESPONSIBILITY
WRITING DOCUMENTS FOR THE REORDER
1 - 3+ DAYS
PREP & REASONABILITY OF DOCUMENT

Pu 20pc/gm
U 200pc/gm
1st Pass
patient Analysis
Risk

(3)

(3) * HAS INDOCTRINATED

→ LA HSE MANUAL & UPDATES 12 VOLS

+

→ WESTON HAS PROGRAM

TLD BADGE

BASE LINE ← CHEST COUNT

URINALYSIS

(4) REVIEW PROCESS

PRELIMINARY DRAFT

~~[illegible]~~

AHF [illegible] EGI

LA HSE

[illegible] EDITION

GEOPHYS

GEOLOGY

TECH REVIEW

REGIONAL HEAD

Rotch → EE → LA

OK FROM GEOLOGY TECH REVIEW

NEED OUR TECH ISSUES

FAST REVIEW

BOOK WRITE UP ISSUES

THEY COMMUNICATE WITH

HAPPY

TECH WORKING DRAFT

→ ALL TECH ISSUES DONE

→ TECH EDIT (2,3 HRS)

Rotch → JBS → DOE/LAHO

MUST PREPARE RESPONSES

LA

LA REVIEW

(4)

DRAFT

→ ASSUME "APPROVED" HAS [illegible]

→ CLEAN DOCUMENT

(TECH EDIT)

Rotch → JBS → DOE/LASCO DOE/AL

↓

LAHO

&

LA

APPROVAL?

→ EPA / NMED / DOE

APPROVAL

DOE/AL → LAHO

REGION VI EPA

NMED

(5) # FY88

BOOK UNDERGROUND

PAYS PLOT

18, 27

16

PEOPLE ON HOW AT NO

PAY COMPS

WED 10:15, 1:45, 3

AUG 3 30 MIN

AUG 4 1:10, 2:30

5 10:15

(6) RELEASE RI

CLEAR-UP / DATA ANALYSIS

(6) CHEST COUNTS / URINALYSIS

(B) SCHEDULE MORE AGAINST BUDGET

→ PLACE MONITORING — RAD / CHEMICALS

WANT LIST OF RELEASE AREAS

→ GRADS / RAD & GEOPHYSICS

AS SOON AS REP. SENT TO EPA

TIM S — COPY OF R&D BUDGETS + FOLD INTO RE

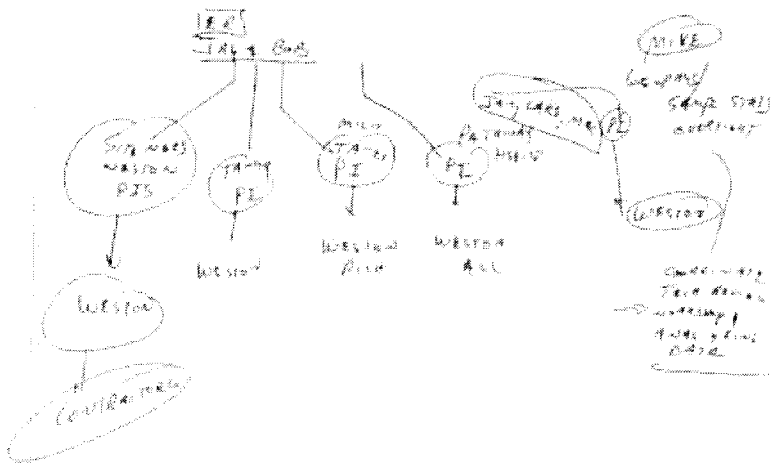
WHO? SHA, LONG US ???

PEER CHECKS — SENSORS

CROSS SHARING OF INFO BET. WESTON

MONTHLY BUDGET REPORTING CYCLE

? LONG US



TA — CAROLA/SARA GUIDANCE

IF WHY?

CS187 H3

① DESCRIBE GOALS & OPERATIONS, LIMITATIONS

② DID DONE? R&D ONLY

WHAT WAS ANTICIPATED? WHY

③ PRIORITIZE HARDROS OR WANTS LEFT & LIKE KIND OF RISK? → ADDS CAROLA/SARA RANKING

WRITEOFF STAGE

OR DECIDE TO INVESTIGATE

④ DESCRIBE STRATEGY TO SUPPLE

PARALLEL ARCHITECTS

MOVE APP TO WORK OR TABLE IT

8-1-88 LANL MTNG
1:00

WEAVER — GILKESON
BAKER — MILLER
R. GONZALES — BOYE
DARE
STOLKIEWICZ
LITTLE

LA

(1) HS — OCCUPATIONAL BASELINE
HEALTH RAD WORK PERMITS
RWP HWP HSE-1 or HSE-5
TLD, RADANALYSIS, "IN-DIVID"

(2) COST CONSCIENTIOUSNESS
CARPOOLING

(3) REVIEWS: SHARING INFORMATION
(a) SHORT COMMENTS
(b) ABILITY TO TAKE IN RFPS
(c) INTERNAL REVIEWS BY PROFESSIONAL
- HEALTH PHYSICS
- HYDROLOGY
- GEOPHYSICS
- GEOLOGY
- REGULATORY
- ANALYTICAL TECHNIQUES

DEVELOP REVIEW PLAN

(4) FY 89 PLANNING 2/1 5.8 MIL

HSE-8 KICKED BACK 1/2 OF # COMP RA WO PLAN

RI? TA-21, TA-33, TA-15
RIP - COMPARTIO
PA/SI
DERIVING SCOPE OF WORK @ LANL

HOW TO PRIORITIZE (MAR SCHEDULE)

(1) FIELD WORK (TRWO?/QA/QC) (IT CA)
BASIC CONTRACTS
(a) DRILLING
(b) SURVEYING
(c) GEOPHYSICS
(d) SOIL & H_2O SAMPLING
1 - RAD SURVEY
2 - ORGANIC SCREENING
(e) PACKAGE & SHIPMENTS
(f) HOUSING & TRANSP.
(g) RAD SCAN
(h) HS - BASELINES, WP, SAFETY PERSONNEL
(i) SAMPLES? HOW ANALYZE? WHERE SHIP TO, HOW PKG PLUT. CONT. — PROBLEM
(j) DEAL W/ HSE-7 FOR FINAL DISPOSITION OF SAMPLES

"LANL HSE" MANUAL

(k) DESIGN ON-SITE RAD & CHEM. SCREENING FACILITY

- INDIVIDUAL AUTO BIOGRAPHIES

— ~~Sa~~ —

- OFFICIAL GEOLOGICAL, GEOGRAPHICAL MODEL

NEED TO DEVELOP GEOHYDROLOGIC MODEL.

★ GEOCHEMISTRY — LIKELIHOOD OF TRANSPORT
VADOSE ZONES
PHASES

★ YUCCA MTN ★

DIV

ESS PEOPLE

OTHER STUDIES

HYE-1C EVERATT SPRINGER
BRYAN TRAVIS

ARARS

WHOLE BODY COUNT

- WBB

	Pu-239	40×10^{-9} Ci
ENRICHED 235U NOT WAT. OR DEPL.	U-235	$50 - 200 \times 10^{-9}$
	CS-137	1×10^{-8}
	SR-90	
	⋮	1×10^{-2}

Apply similar to HAZ. CHEMICALS.

ZIRCON
~~MONAZITE~~

BAKER, WEBER, GONZALES BONE

CANYONS — RA, FS

① Conceptual Model? "
CONCENSUS
→ PREDICTING

★ ② INVENTORY VS. SOURCE TERM

WHO ROBERT ROBERTS

MORTENDAL

ONISHI & WHELAN

LOS ALAMOS

OUTFALLS
EFFLUENTS

→ BAYO PUEBLO

TUSRAO
BAYO PUEBLO

WATER PROJECTS

RISK

③ PATHWAY ANALYSIS MODEL

④ MIGRATION & TRANSPORT
• WHAT

RESURRECT WEIR & WELLHEAD DATA
DIGITIZE

STICK W/ BIASED SAMPLING

LANE MTNG - STAFF

8-2-88 3:15

BAKER	KILBURY	BONE
GILKENSON	DARR	TIDWELL
SHAFER	MILLER	ZELLE

666K
TECH #'s
SUPPORT
PD/PM / FIN. ANALYST
ADMIN (10%)

WEEKS

t=0	SUBMIT PRE PD
t=1	INCORPORATE COMMENTS
t=3	SUBMIT PD
t=6	RECEIVE COMMENTS, REVISE, LEVEL I EDIT
t=8	SUBMIT WD
t=11	RECEIVE COMMENTS, REVISE, LEVEL III EDIT
t=13	SUBMIT DRAFT
	EPA / DOE AI REVIEW
T=17	PREPARE RIP

TA-49	1 RIP	ZELLE
TA-15	2 RIP, 1 PAS1	KILBURY (-1 RIP)
TA-16, 3 RIP	DARR, MT, SHAFER	(3 PAS1)
TA 18, 27	PAS1	TIDWELL
TA 33	1 RIP	MILLER
CANYON	PAS1	BONE

Hours	
8	MEETING WITH NEWTEL
40	SM
20	H&S / QA / RAD
8	MEETING
24	
12	
~~20~~ 80	INCORP COMMENTS
~~40~~ 32	
END	

RECORD SEARCH 3W
RECON 1W
WRITE PD 5W
(INC. TRP & REV)

Adjourned 4:00

TRIP LANE 9/3/88
BODY COUNT

8-4-88
9:40

LANL STAFF MEETING — 1ST THURS OF EACH MONTH

DOE
R. BAKER
KILBURY
KEHIAN
WOOD
FELIX
BRINKMAN

MILLER
STOCKMAN
SOLOW
HANSON
D. JONES

COPIES OF NOTES TO WEEKLY
* D. FINO

NON CONFORMANCE — DEVIATION TO ACCEPTED SAMP. PLAN

ARARS — SOLOW
LEVELS
NEIA —

GW
MITRAN

8-12-88
10:30

LANL — CANYON STUDY

DOE
R. BAKER
W. LITTLE
U. TIDWELL
BRINKMAN

M. BONE

PRESSURE — TAKE LEAD
CANYON STUDY
SURFACE WATER SYSTEMS
SEDIMENT TRANSPORT
SW/GW RECHARGE/DISCHARGE

MSE-8 / MIGHT LOSE IT

* INITIATE NOW
TONY GEIGOS
JAY WENTEL

FORMULATION OF PLAN

TA-1 FIRST PRIORITY

1 DEFINE ① SW & ST RECHARGE
SW/GW "
② POTENTIAL CONT. TRANS.

LR

MITRAN

8-15-88 B16 LANL MTNG
1:15

All work on 1989 Planning
To be charged to Brand
General Charge #.

Unless site has known contamination
Take only thru RI/FS stage
Not RD/RA
only w/individual sites
cyins

Assumptions

1) Stage 2 only
2) Typical times - RI/FS
3) No costs
4) Realistic planning
TOD when don't know status

9/9 1. Prepare Task Data Sheets
9/16 2. Prepare Current Year Work Plans
For each facility FY89
10/7 3. Prepare Cost Estimates for each TDS/FY89
10/14 4. Prepare EE Proc. LRP

Look at each other Task Description

FY 89 Sept 16 - Priorities

1. Complete Scoping (RIPS)
2. Screening RI
3. NPL Sites - RI

NEPA

1. Large EAs - check w/ Connie Sodin (DOE), and JM
   30 wks + 6 mo Rev - EIS
   80 wk + 2 yr
2. Separate NEPA Determinations
3. Beegstrom - DOE HQ
   Decides on EIS
4. Cumulative Impacts
5. EA Separate

LANL People

TA-21 } Kilbury
TA-15 }
TA-1 - Bowe
TA-16 - Barr, Stockman, Shafar (Baker) Bowe
TA-18, 27 Trowell (Baker)

TA 10, 49 ZELLE
TA 33 MILLER
TA 1,5 35,52 STOCKNEY, BARR, SHAFER
BAKER (MASS-GUTS)

8-16-88 WORK OVERTIME FOR
FY 89 BUDGETING

8-17-88 PHONE w/ WERNER

1. SNOW SUCCESS – SMALL & MANAGEABLE
2. SPREAD OUT FIELD FORCES
- FUNDING FOR FY 90 MAY HAVE
  1K TAKEN FOR RA – $10 MILL TOT
  – WILL BE READY
3. SCOPING REMAINING SITES
4. INCOMPLETED FY-8 WORK
5. NEW RIPS
6. SCREENING R I

– AVG COST OF RIP 28K up TO 40K OK

TASK 25, 26, 27, 40, 53, 49
93, 94, 95
DIRECT IN WITH TA-1, TA-10

8-18-88 HAS TRAINING PARTY MANNEY
9:00
GONZALES STRATMAN GLEN NEELY
BONE DARR DON FLOYD
ZELLE BILL SAMPLES

1. HCE REGIONS
   – ACCESS TO AREAS
   – NOTIFY

2. SAFETY EQUIPMENT
   – SPECIAL –

3. WEATHER

4. EMERGENCY
   9-911 OR 911

5. INJURIES
   – HSA-2, SM-509 IN TA-3
   – LAMC – AFTER HRS
   – REPORT INJURY TO YOUR SAFETY GROUP

ATTACHMENTS TO H&S PLANS
w/ PHONE #/S

MON 8-22-88 — LAUL FOR H&S w/ LARRY HAILER MOTEL
PREP FOR TA-16
9:00 — NOON

8-23-88 FIELD RECON

	TEAM #1	TEAM #2
	SOCKMAN	SHARER
	BOWE	DAAR
	HENPEL	MCDAY
	FLOR	LEONARD
	BILL SANNERS	PHOTOGRAPHER
	PHOTOGRAPHER	TEO ESCORT LOUIS

7:30 MEET AT TA-59
8:00 — | TWO TEAMS
8:30 PAPERWORK & SECURITY
8:50 ARRIVE AT BLDG 340

BINDER (BUTYL) 2 - 10%
98 - 90%

TALK BY LARRY HAILER

HE

SOLVENTS: WATER WASHDOWN - DRAINS TO ENVIRONMENT
DISTILL OFF MOST
ONE OUTFALL w/ NPDES
MUST MEET O2 REQUIRS / COD
LAST 3 YRS
SUMPS — 1 PER BAY
5 OR 6 — 1 OUTFALL

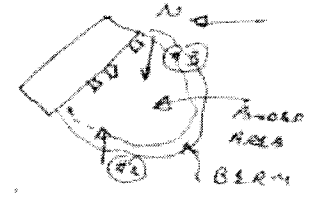
TABLE I USE OF PAST SOLVENT USAGES
TA - 16 - 340

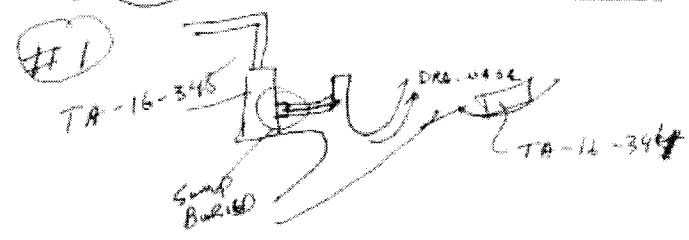
PRIMARILY PLASTIC-BONDED FORMULATION
BLDG — HE SLURRY

MANHOLE STRUCTURES
TA - 16 - 731
PLASTIC IS NOT HE
REST HOUSES — 343, 344, 345
↓
NO HE

INERT
REST HOUSE 345
SUMP DRAINS EXIST
NO WATER AVAILABLE

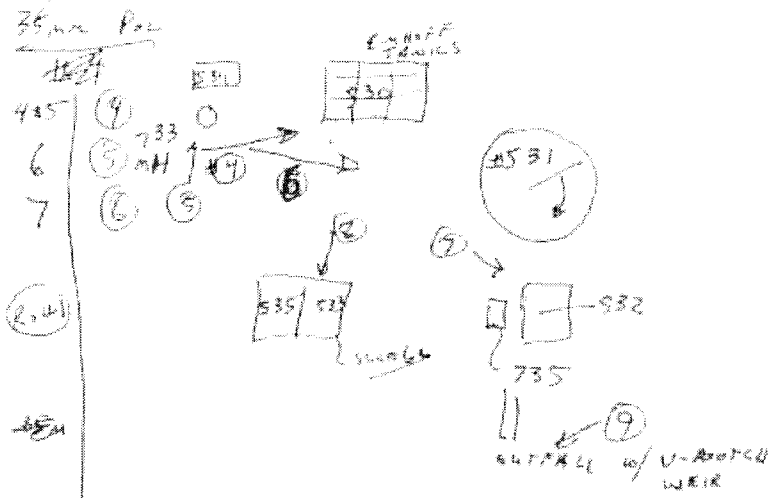
35mm	POL		SITE
#1	#1	SUMP @ REST HOUSE 345 APPEARS TO BE BURIED, NO WATER MOST RAW MATERIALS STORED WET w/ WATER & ALCOHOL	TBD TA - 16 - 345
#2	#2	BLDG 344 — (SUMPS) FLOOR DRAIN OUTLETS LOOKING @ BACK OF BLDG	
#3	#3	BINDERS & INERT FILLERS NON EXPLOSIVE CHEMICAL STORAGE BERMED AREA IN BACK.	TA - 16 - 344





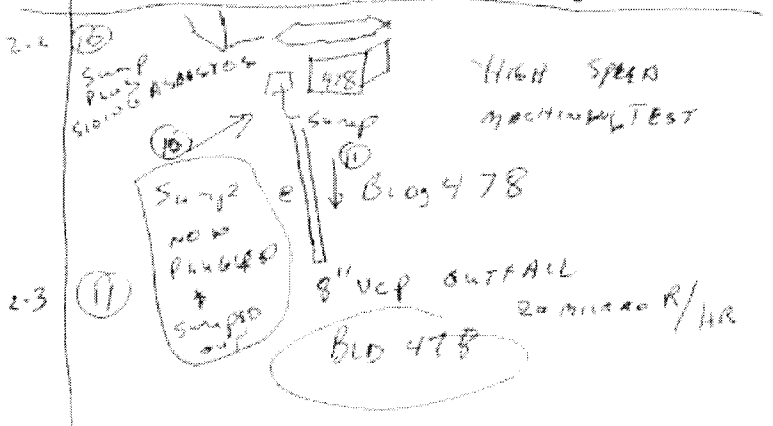
Roll #1 — 7 shots per Roll

35mm Roll



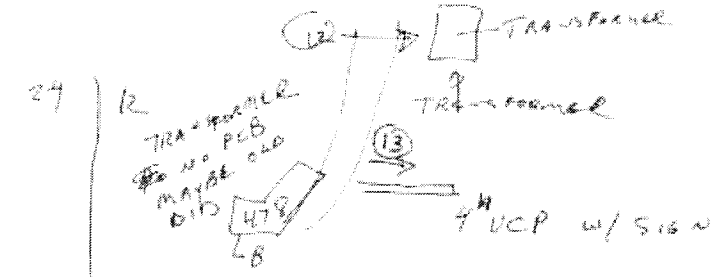
4-5	4	Structure 530
6	5	" 733, 534
7	6	Structure #531
8	7	Structure 532 & 735
9	8	Structure 533 & 535
2-1	9	Outfall w/ V-Notch

Structure #730 — Manhole



2-2

2-3



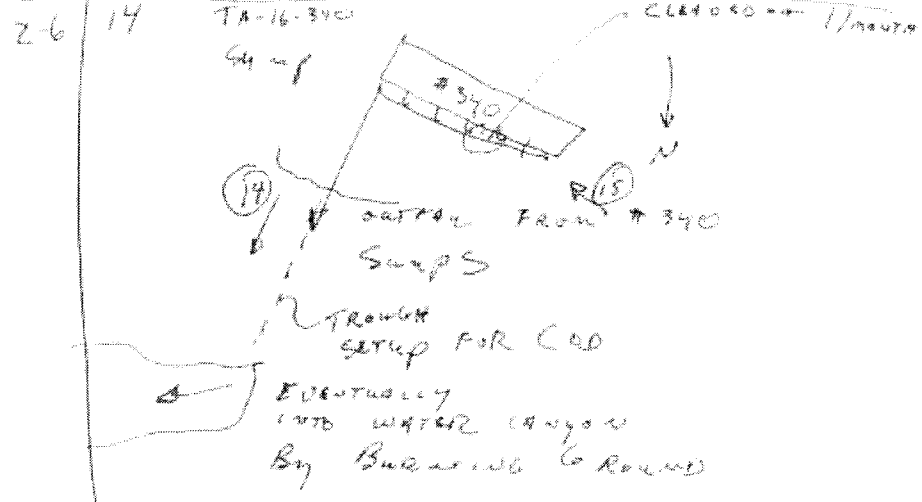
2-4 12

2-5 13 Outfall 4" VCP w/ sign, TA-16-478 EPA04A134

Active NPDES

Building — Friable Asbestos Siding

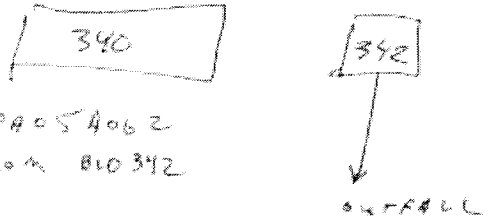
2-6 14 TA-16-340



2-7 15 Outfall for Dry Burning EPA05A062 TA-16-342

Back of Bld 340

2-8 16



EPA 05A062
FROM BLD 342

2-9 17 FRONT OF BLDG 340 TRANSFORMER

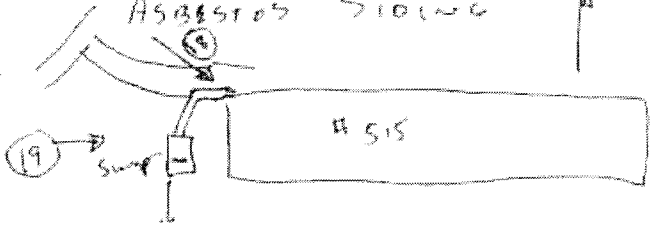
STATION
NO. 12
SIR. # TA-16-586

END OF ROW #2

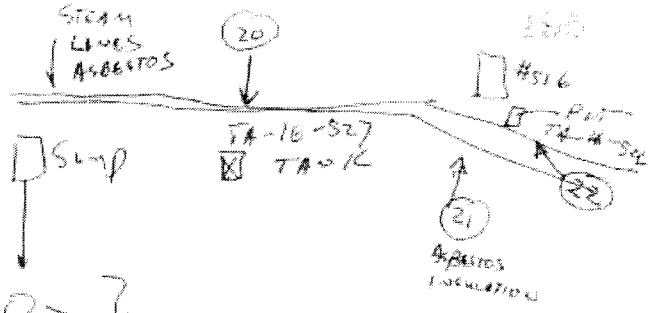
START AGAIN - 1:15 P.M.

3-1 18 U-SITE - NOT ACTIVE / JUST STORAGE
OLD ASSEMBLY FACILITY - HIROSHIMA
OLD WASTE DRUM STORAGE
BADLY DECOMPOSED
SUMP DRAINS
TA-16-515
ASBESTOS SIDING

3-2 19



STEAM LINES ASBESTOS



3-3 20 SUMP TA-16-527 TANK

3-4 21

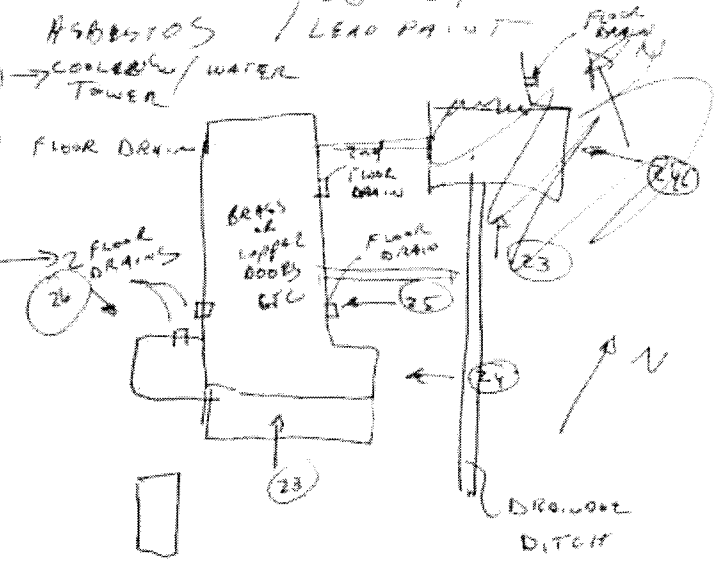
3-5 22 PIT TA-16-526
TANK DIESEL FUEL 55-75 GAL

3-6 23 OLD CASINO BLDG #27
ASBESTOS / LEAD PAINT

3-7 24 → COOLING / WATER TOWER

3-8 25 FLOOR DRAIN

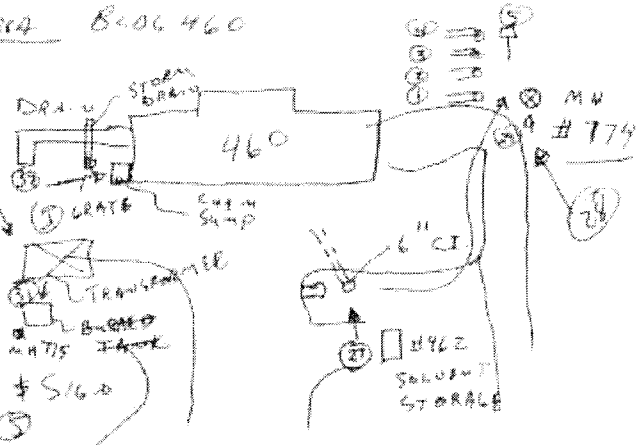
3-9 26 → 2 FLOOR DRAINS



CONTINUE FROM ROLL #10

NEW AREA BLDG 460

4-1 (27) BUILDING DRAIN 6" CI



4-2 (28) DRAINS #5 & 6
(1) - (5)

TWO USED FOR STEAM LINE

(1) - BASEMENT FLR DRN
(2) - FIRST FLR DRN
(3) - SUMP DRN
(4) - ROOF DRAINS
(5) EPA 050472

4-3 (29) MANHOLE # TA-16-774

4-4 (30) (2) TRANSFORMERS TA-16-559
TA-16-562

4-5 31 ~~BURIED TANK~~ (TWO VENTS) STEAM LINE

4-6 32 #460 SUMP. (W END OF BLDG)

BLD TA-16-460
CHEM. LAB
HAZ & SEPTIC SEPARATE
HAZ TO HOLDING PRECIPITATOR
CLEANED OUT 1 A MONTH
SANITARY GOES TO MH #774
& THEN TO SEWAGE PLANT

END ROLL #4 ON 1 SHOT

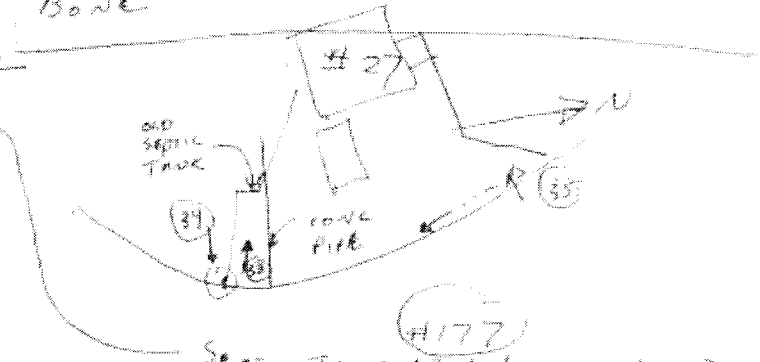
MOST ARE ORGANIC CHEM. & ARE COMPATIBLE
WASTE CHEMICALS INTO 55 GAL DRUM
& REMOVED -

8-24-88 WED. FIELD RECON (CONT.)
~~TEA~~ ARRIVED TA-59 7:30
BEGIN THRU GATE @ 8:58

TEAM #1
SOMERS
WENZEL
STOKHAM
FLOYD
BONE

85mm POL.

1-1 33



SEPTIC TANK AREA LOOKING WEST

1-2 34 CULVERT CROSSING STREET

1-3 35 DRAIN BOX NEAR FROM #27 FLOOR DRAINS

1-4 36

BLDG TA-16-300

USED FOR CAT-ION IN THE PAST

Sump - Cleaning Rooms

N

INERTS - NON EXPLOS.
NOW FOR ACTIVE
KETONES, BUTYL ACETATES
BARIUM
OXIDIZER - NITRATE
EVAPORATE & RECLAIM
BARIUM NITRATE GRINDING

BARIUM NITRATE CONVERTED TO BARIUM SULPHATE, SUMPED OUT & TAKEN TO SAND FILTER ACTIVATE

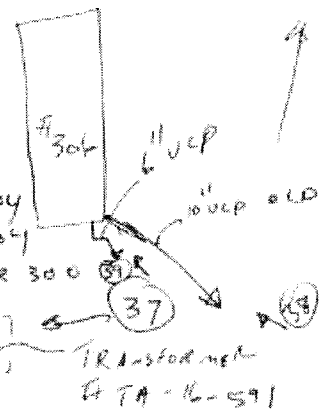
~~#~~ 30~~6~~0 EXACTLY LIKE # 306, 304, 302

301 REST HOUSE

RED DYE - INERTS

SUMPS SHUT OFF TO MAIN LINE WHEN BARIUM NITRATE IS BEING USED

1-5 37 TRANSFORMER TA-16-591



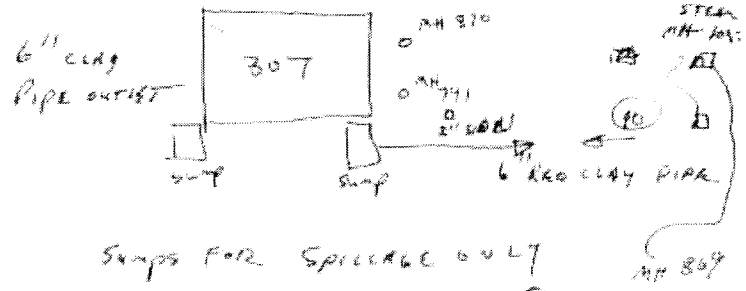
OTHERS
590 555
589
587

BET
306 & 304
302 & 304
ACROSS FR 300

1-6 38 10" VCP FROM BLDG 306 — NOW 12" PVC
PERMITTED OUTFALL
EPA05A058

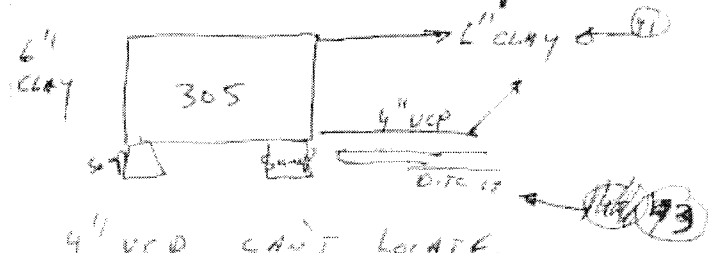
1-7 39 SE CRNR of # 306
6" VCP ROOF DRAIN

1-8 40



SUMPS FOR SPILLAGE ONLY

1-9 41



42 4" VCP CAN'T LOCATE POSSIBLE AREA

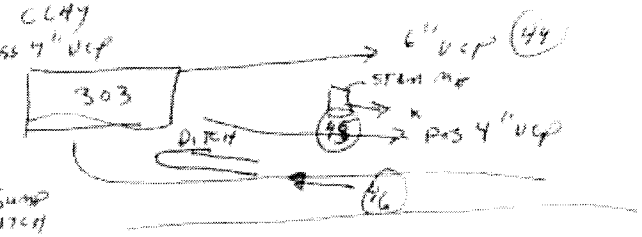
2-1

2-2 43 DITCH & BLD 305

REST HOUSE
STORAGE OF INERTS
PERMITS
WASHDOWN OF SPILLS
NO SOLVENTS
HE

2-3 44 6" CLAY

2-4 45 POSS 4" VCP



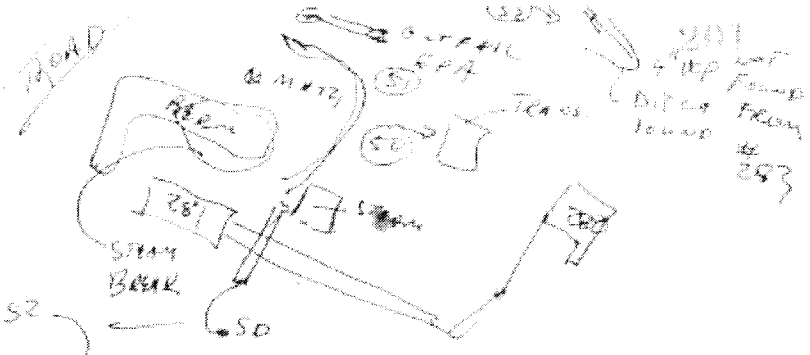
2-5 46 SUMP DITCH & BLDG

303 & 301 IS THE SAME
HE STORAGE (90 DAY)
SOME STORED WET
POWDER SPILLS — WASH DOWN
BLDG # 344 → NO SUMPS

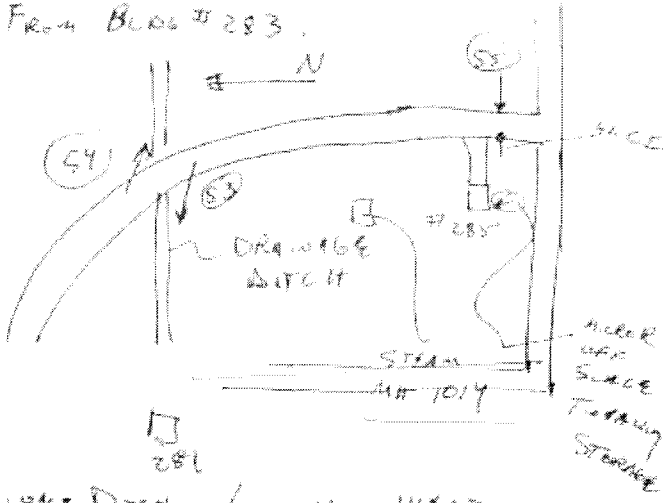
2-6	47	6" CLAY TA-16-688 6" CLAY (47)
		301
		4" VCP (49) (48)
		HE STORAGE
2-7	48	4" VCP POSS.
2-8	49	DRAINAGE DITCH & BLDG
END ROLL # 2	☆	USED HOME SPILLS & WASHDOWN BUILT 1952 — NO PROCESSING ~~STILL~~ FOR 13-14 YRS SINCE STARTED TEMP. CONDITIONING

NEW ROLL

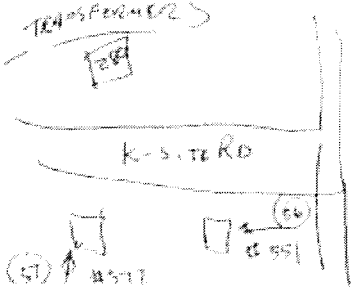
3-1	50	(2) TRANSFORMERS TA-16-553, TA-16-595
3-2	51	6" VCP, EMPOSAOL, TA-16-280

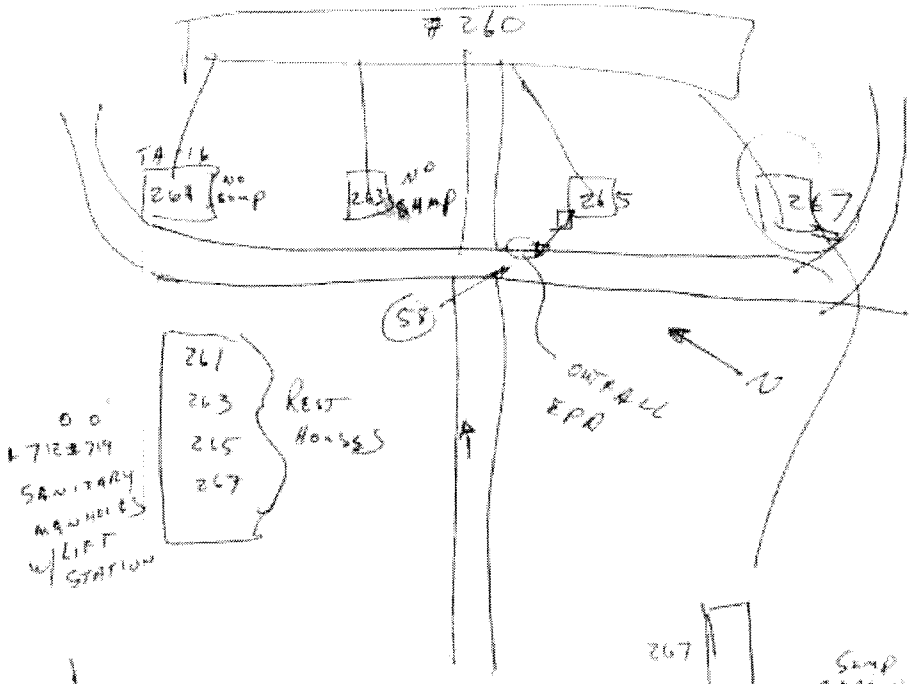


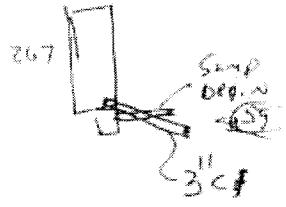
3-3 52 — 4" VCP NOT FOUND EXCEPT DITCH FROM BLDG # 283.



3-4 53 DRAINAGE DITCH LOOKING WEST
3-5 54 DRAINAGE DITCH LOOKING EAST
3-6 55 4" CI FROM #285 — REST HOUSE #281, #283
3-7 56 TA-16-551 —
3-8 57 TA-16-572 (REMOVED) — TRANSFORMERS 284







3-9 | 58 EPA 054057
TA-16 - 265, 267
OUTFALL FROM FLOOR DRAIN 05 #265

-1 | 59 BLDG # 267 Sump Drain, 3" CF (Roof?)

FINISH @ 3:15

NOTROS

3-25-88

8:40 PM

LANL STAFF MTNG - WKLY

SHAFER	D. PINO
BAKER	MASON
KILBURY	HAMPSHIRE
TIDWELL	GUICKENSON
ZELLE	CYNTHIA HESS
@ KWALY BOTANG	

* MONTHLY REPORTS

REVISION OF ~~PITP~~ IMPL. PLAN
BUDGET & SCHEDULE

* COMPLETE BY MONDAY

QUESTION J. WENZEL ON SITES TO BE ELIMINATED.

REMEDIAL ALTERNATIVES

- REMOVAL
- NO ACTION
- CAPPING
- ISOLATION
- TREATMENT
- INSTITUTIONAL CONTROLS

CANYON RIP

2744-11-01
-007
-PA89

1 - Bove

2, 3, 4 } Miller

5, 6, 7 } Stockman

8, 9, 10 } ~~Kraftowy~~ KB

11 - Bove

51, 52 } PE

12, 13, 14 } Stockman

15 - PE

16, 17, 18 } Vince

19, 20, 21 } Shafer

22, 23, 24 } ~~R.H.~~ J.H.

25, 26, 27 } KB

28, 29, 30 } WM

31, 32, 33 } KB

34, 35 } WM

36, 37 } WM

38, 39 } WM

40, 41, 42, 43, 44, 45, 46 } Kurtz

(1) 40K/RIP

(2) MARRIAGE, 170 RI

9:30

8-25-88 Lake Sta Mine w/ DOG
4:30

DOG

Kessler	Barse	K Price
Stockman	Solow	Tony
Little	D. Jones	Hanson
Brownlee	Bove	
Price		

8:00 Monday Meeting

All Mgrs FY 88 Closeout
PIP
LRP.

Costs - Sept 9 - Two Parts
Schedules Oct 15

Costs

① FY 88 Closeout
$ Spent, Identify t/c
Schedules
Taxes / FY incentive

Planned June 89 - Finish Jan 90

② Cost at least t/c FY work (Scopes in place
we know

(B) CURRENT YEAR PLAN
PRIORITIZED TASKS — JUL 31

RA #

88	89	90	91
$1	$5	$50	$500

W/O/ R1/FS/RD PHASES COMPLETED

RISK ASS
EA
NEPA

KC - - - - - SL

	TASK	1	BRKRS BUILT IN
SPEC.	GEN. TASKS	2	SITE SPECIFIC
TASKS	LAND PROJ	3	
	NEPA TASK	4	

WBS

INST.
PHASE
TASK
R.S.T.A.

9-7-88 LAND SUR MTG
3:30 K. BAKER
ELLE STOLLMAN
HAMMAKER BUNE
MILLER DDG
TIDWELL
SHAKER
KILBURY
McVAY

COSTS DUE FRIDAY
SCOPES
+ COST PROPOSALS
OUT STANDING PAST WORK
FOR KILLED RIPS IN 1989
IGNORE START-DATE FOR PAST COMPLETION
BACKUP 6 WKS FROM
PLANNED COMPLETION.

TASKS