POOR LEGIBILITY

ONE OR MORE PAGES IN THIS DOCUMENT ARE DIFFICULT TO READ
DUE TO THE QUALITY OF THE ORIGINAL

SDMS DOCID # 1156370

OSC's LOGS

1990 - 1991

Navajo Nation Radiation Sites

7530-00-286-6942
FEDERAL SUPPLY SERVICE
GPO

Bill Lewis
U.S. EPA
75 Hawthorne St.
San Francisco CA

415-744-2292

A
B
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X
Y
Z

3 Oct 90
first draft of ATSDR Public Health Advisory received by Region

4 Oct 90
1330 Conference call

This end attended by
J. Zelikson
J. Clifford
D. White
B. Nelson
R. Lawatch
M. Bandrowski
S. Rosenbloom
+
+
B. Lewis

Unsure who was on other end
Regan Broyles - Reg 6 / Rem
Dr Charz
Paul Sharp ?
Carl Hickam - ATSDR

Significant concern expressed by Region 9

- Available data appears to be too limited to justify recommendations

- Apparently no additional data is available

4 Oct 90
1500 Met with
T. Chambers
~~EW~~ M.S. Philp
B. Pester
Verbal TAA issued to TAT for the following:

- Site Safety Plan
- Work Plan
- Sampling Plan
- Draft Action Levels

9 Oc

R
Brad

Meet
the

The
was

9 Oct 90

R. Bornstein assigned by Brad Stipley as back up OSC

Meeting with TAT attended by the following

R. Bornstein - EPA
W. Lewis - EPA
T. Chambers - TAT
M. S. Philp - TAT
B. Pester - TAT

The following tentative schedule was established

Draft Site Safety Plan	12 Oct 90
Proposed Response Action Criteria	12 Oct 90
Proposed Work Plan to include sampling plan	12 Oct 90
XRF model	19 Oct 90

4

16 Oct 90

Message left by Mike Bandrowski
- will ERS be able to fund ~~FMST~~ L.V. staff.

I checked with T. Brubaker
Once we have a budget the travel can be funded out of regional Travel.

16 Oct 90

Rec. Call from Shelly Rosenbloom

Shelly informed me that he and a few L.V. staff planned to visit the Navajo reservation to introduce the players and to discuss plans.

I expressed my concern and requested that he delay the visit in order that I be able to coordinate the entire project

I discussed my plan to draft a site sampling plan
a work plan
a site safety plan
+ Response Action level criteria

These documents would first be reviewed internally by EPA and ATSDR and would then be distributed widely for comment prior to implementation.

Informal communication with the Navajo would continue in an attempt to address all needs.

Shelly objected to this approach. Wanted all plans to be formulated committee in meetings with The Navajo, L.V. + E+E.

I told him that I felt that this approach was inappropriate since it would likely lead to a proposal that couldn't be implemented by the removal program due to lack of familiarity

I further stated that I felt that the committee approach at this point would significantly slow the program.

Shelly stated that he would discuss the issue with his supervisor.

I briefed T. Brubaker and J. Clifford on the potential issues.

Blue WATE

15-244C

7530-00-274-5494

FEDERAL SUPPLY SERVICE

(GPO)

GRANTS
~~640 R00~~

546-0851

var@ ~~553-5900~~

Raj - Home
505-782-2650
505-862-7543

202-260-9630

421 Gold Room 310
Corner of 5th and
Gold
I-40 Indian school
W an I-40 → S an I-25
3rd Exit Lead/coal
West away from University
Towards Downtown
5th street see parking
Blocks → Lead - Silver - gold

pCi/gm — CURIE = THE NUMBER OF DISINTEGRATIONS PER UNIT TIME OF 1 gm OF RADIUM.

.037 dps/gm

2.2 dpm/gm

Ci = 2.2×10^{12} dpm

= 3.7×10^{10} dps

ID IDAHO NATIONAL LABORATORY
DOE

669
0566

Meeting monday 1100

Terry Johnson
382 - 2205

Ottowa radiation site
Region V - Factor

MC 05210
401 M Street SW
Wash DC 20460

Greg Dempsey
P.O Box 98517
LV NV 89193-8517

United Flight 900
7:05 AM → 1:02 pm Chicago
United 616
2:20 → 5:05

623 5:00
618
953

Gaurav Rajen - Navajo
Superfund
602-871-6859

lab - # - CLP →

Gorem -
FAX - 602-871-7333
P.O Box 2946
Window Rock AR 86515
415-556-5285
415-744-

Mike Bandrosky, RAD Reg 9
Dempsey (Greg)
Bill Nielson, ATSDR
Don White and Chine
7 day comment period

Greg TLD program

702-798-2476
FTS-545-2476

ORP-LVF
Office of Radiation Programs

744-1796 ← FAX

State of New Mexico
Dennis Gallegos — Program Manager
505-827-5970
Smacra Gallegos

Abandoned Mine Land Bureau
2040 South Pacheco
Santa Fe NM
87505

Rodon
475-9622

NAVAJO Mail
Overnight
43 Crest Road
~~Win~~
St Micheals AZ
86511

Teledyne Isoptoes
NJ

EBerline, AlBerQue
505

CEP — No go!
TMA-NorCAl — NO GO!

Dennis OConner
FTS 475-9600
Tell him, Superfund with
dosimeters →

FAX 702-798-2465

greg pocket dosimeters
TLD, ARAR For gamma
+ DISIONS + IHS.
Boundrosky will check with
dosimetry — ~~two~~

what gamma levels are we
going to look for

MARK MATHEWS
FTS 845-4628
COM 505-845-4628

OAKLAND JOE JUETTEN
273-7762

NRC Ray Hall
FTS 776 2805

Richard Guimond
Director of Office of RAD Programs
ANR-461

DAVE Williams
~~702-734-3349~~
3390
3311

702-734-2290

Richard

Greg Dempsey
Collin PeTullo, OAE

Background ≈ 10 uR/hr

double background action

25 milrem/Year

ATSDR will meet with Navajo Nov 1-2.
Health advisory will be issued second week of November 6-7
Terry Press release 6-7

Attorney - Wanderous

Colleen PeTullo, OAR
702-798-2446 ORP (2461) Greg
545-2446 FTS
FAX - 545-2465-FTS
702 798-2465

SUNBURST → Scottsdale
602-945-7666

JOANNE MANYGOATS

Bureau
Denis Gallegos
Land Bureau
Mines + Minerals Division
2040 South Pacheco
Santa Fe 87505

Yasmine Khonsary
U.S. EPA Las Vegas Facility
P.O. Box 98517
Las Vegas NV 89193-8517
(702) 798-3159
FTS 545-3159

7:15 El Rancho
Bruce Vanderver day 1

GAURAV RAJEN SR. ENVIRONMENTAL ENGINEER, NAVAJO SUPERFUND PROGRAM
Stanley Edison, Chemist
PATRICK ANTONIO, HYDROGEOLOGIST
R. Mandel, EPA

Phil Albers - 545-2545
944 EAST HARMON RD
89119

Colleen Petullo
4220 South Maryland Parkway Building C
Room 532
Las Vegas, NV
89119

* 505-782-2650

MEMORANDUM OF CALL

Previous editions usable

TO: Bob

☐ YOU WERE CALLED BY— ☐ YOU WERE VISITED BY—

Mike Tucker

OF (Organization) Dept. of Energy

☐ PLEASE PHONE ▶ ☑ FTS ☐ AUTOVON

326-6001

☐ WILL CALL AGAIN ☐ IS WAITING TO SEE YOU

☑ RETURNED YOUR CALL ☐ WISHES AN APPOINTMENT

MESSAGE

re AEC

BOB FUY mining lease

326-6003

RECEIVED BY	DATE	TIME
[signature]	5/9	2:50

63-110 NSN 7540-00-634-4018 STANDARD FORM 63 (Rev. 8-81)
Prescribed by GSA
FPMR (41 CFR) 101-11.6

★ U.S. GPO: 1988 — 241-174

602
87/
7333

At 9:00 am we arrived about 2 miles from the ~~east~~ North. We collect one background at 2 miles and then at 1 miles.
We then proceeded to house of Brown-Vard, Colleen P. and myself wondered off house area cy road and levels were quite elevated 2x3 background.
Notice many drainage areas.

Made staging zone at house plan to

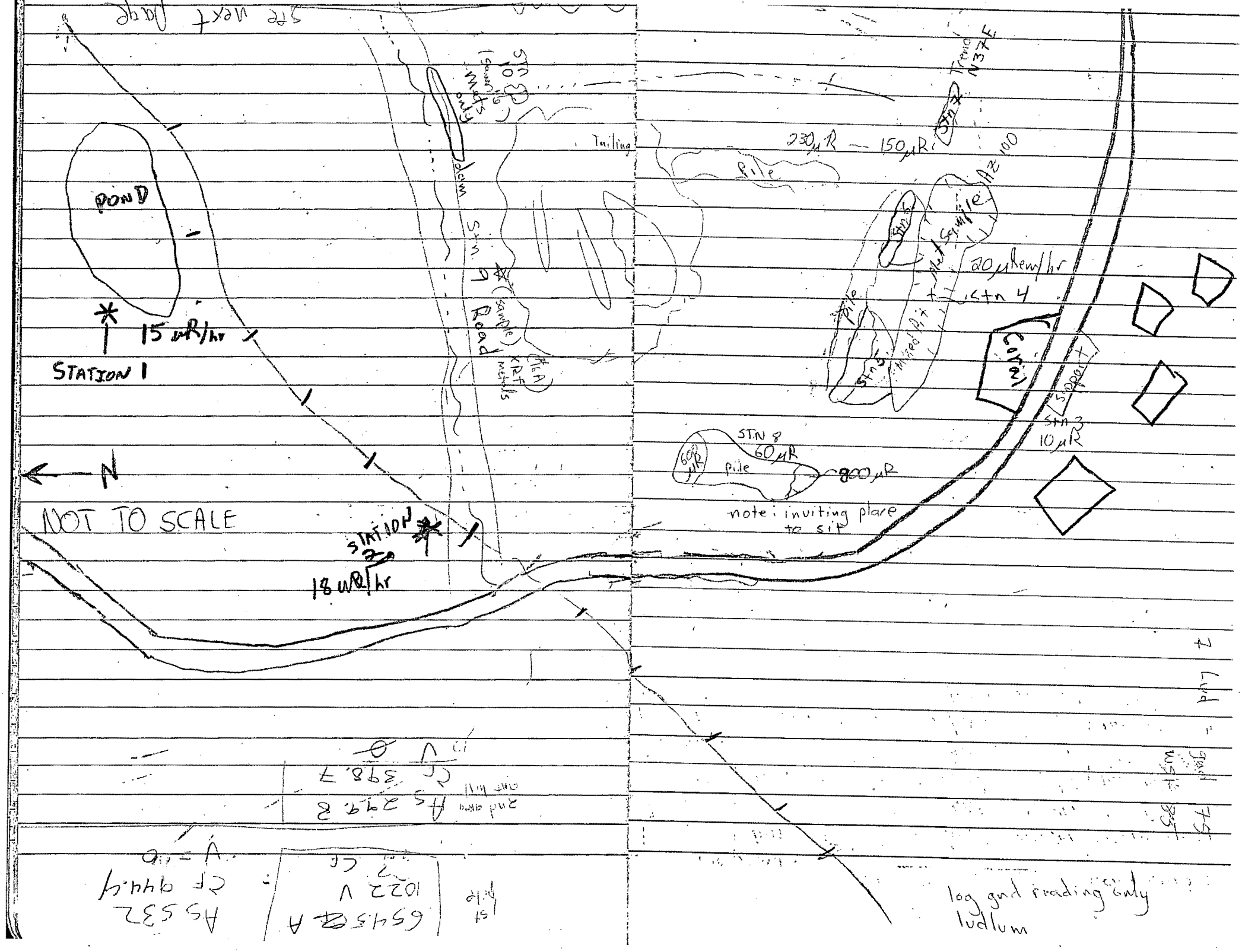
1) Ludlum 19 - 452663 — 11-8-90 — Ra-226
2) Bicron - 825481 — 10-15-90 — Cs 137
3) Lud 12 PAN - 140830 — 11-8-90 — Pu-239, Sr-90

Operator CFP Recorder RB

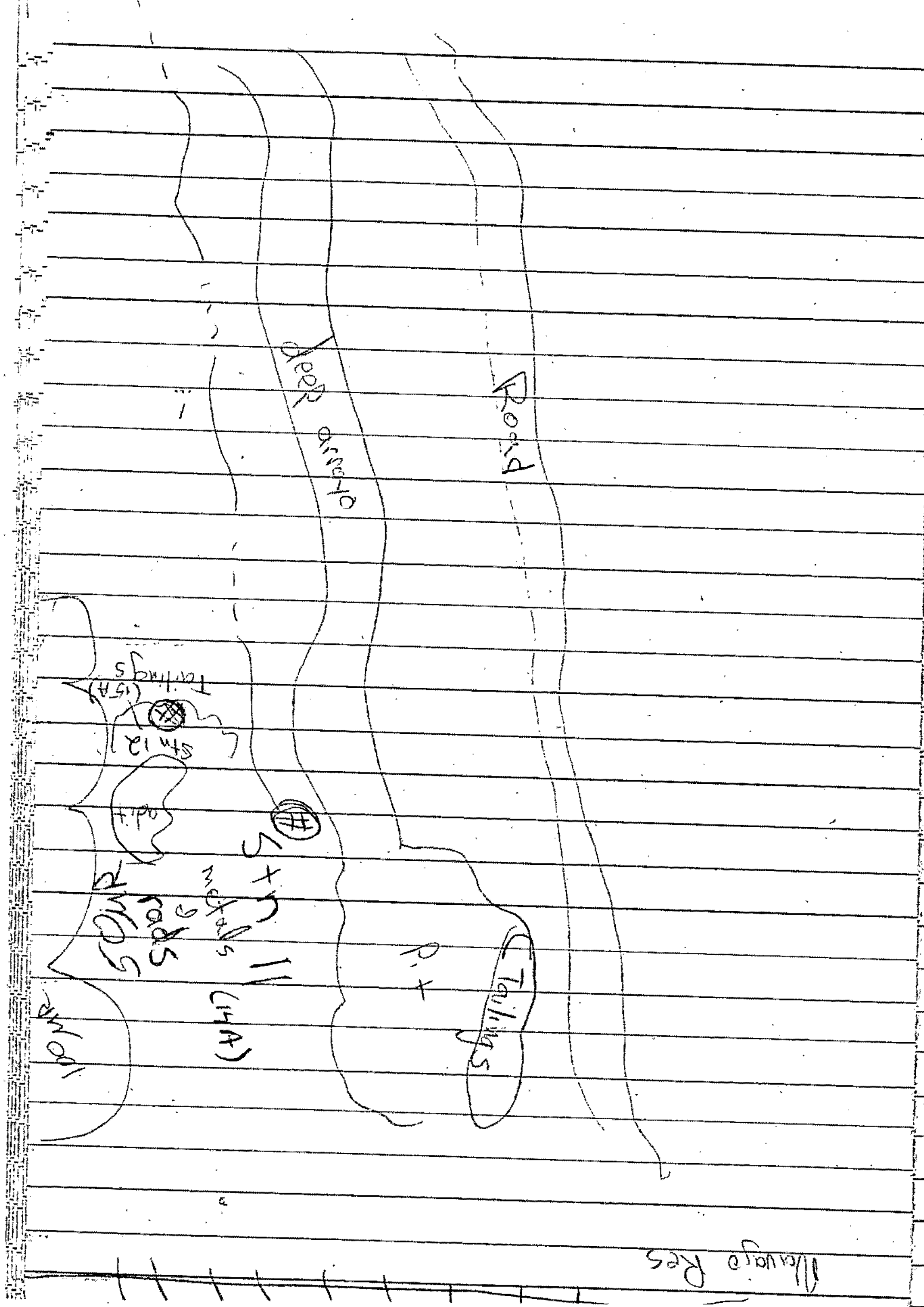
INSTR	Time/date	STATION	GROUND	WAIST	COMMENTS
1	0900/11/14	BACKGROUND 1	11 uR/hr	11 uR/hr	2.5 mi from site
3	0901/"	" "	100 CPM	100 CPM	SAME LOCATION
1	0905/"	BACKGROUND 2	11 uR/hr	11 uR/hr	1 mile from site
3	0906	" "	100 CPM	100 CPM	ABOVE LOCATION
1	0930	AT BROWN HOUSE	13 uR/hr	14 uR/hr	AT BROWN HOUSE
1	1000	STATION 1	35 uR/hr	36 uR/hr	CENTER OF ROAD
2	1003	STATION 1	25 mrem/hr	25 mrem/hr	
1	1005	STATION 2	130 uR/hr	135 uR/hr	2ND JUNIPER TREE OFF ROAD
2	"	" "	70 mrem/hr	60 mrem/hr	
1	1010	STATION 3	CONTACT 90 uR/hr		SEE MAP
2	"	"	CONTACT 50 mrem/hr		
1	1012	STATION 4	CONTACT 115 uR/hr	100 uR/hr	
2	1012	" "	75 mrem/hr	50 mrem/hr	
1	1015	STATION 5	130 uR/hr	145 uR/hr	
2			65 mrem/hr	80 mrem/hr	
1	1017	STATION 6	1200 uR/hr	800 uR/hr	HOT SPOT ON BASEROCK
2			800 mrem/hr	400 mrem/hr	
1	1030	STATION 7	40 uR/hr	44 uR/hr	AWAY FROM PILES
2	1033		20 mrem/hr	25 mrem/hr	
1	1040	STATION 8	150 uR/hr	140 uR/hr	
2			90 mrem/hr	72 mrem/hr	
1	1055	STATION 9	190 uR/hr	170 uR/hr	
2	1056		120 mrem/hr	90 mrem/hr	
1	1105	STATION 10	1250 uR/hr	800 uR/hr	AT BASEROCK AREA
2	1106		750 mrem/hr	350 mrem/hr	
1	1108	STATION 11	400 uR/hr	200 uR/hr	
2			300 mrem/hr	150 mrem/hr	

INST	DATE/time	STATION	GROUND	WAIST	COMMENTS
1	11/11/14	STATION 12	600 uR/hr	500 uR/hr	
2		"	500 urem/hr	300 urem/hr	
1	1115	STATION 13	500 uR/hr	500 uR/hr	
2		"	250 urem/hr	400 urem/hr	
1	1117	STATION 14	600 uR/hr	700 uR/hr	
2		"	300 urem/hr	300 urem/hr	
1	11:20	STATION 15	230 uR/hr	280 uR/hr	
2		"	150 urem/hr	150 urem/hr	
1	1135	STATION 16	700 uR/hr	600 uR/hr	
2			300 urem/hr	250 urem/hr	
1	1140	STATION 17	80 ur/hr	120 ur/hr	away From
2			40 urem/hr	35 urem/hr	OPEN PITS
	12:10	STATION 18	90 uR/hr	65 uR/hr	
2			50 urem/hr	35 urem/hr	
		SECTION 2			
1	2:10	STATION 19	700 uR/hr	600 uR/hr	UP Near pad
2			450 uR/hr	350 urem/hr	
1	2:12	STATION 20	900 uR/hr	800 uR/hr	across From
2			650 urem/hr	500 urem/hr	Pad
1	2:15	STATION 21	300 uR/hr	230 uR/hr	GATE OF
2			250 urem/hr	150 urem/hr	mine
1	2:30	STATION 22	230 uR/hr	210 uR/hr	TOP OF Pile
			130 urem/hr	100 urem/hr	
	2:40	STATION 23	150 uR/hr	50 uR/hr	Drain area
			40 urem/hr	40 urem/hr	below
	300	Station 24	220 uR/hr	220 uR/hr	Gully Side
			120 urem/hr	110 urem/hr	

INST	TIME	STATION	GROUND	WAIST	COMMENTS
1	330	STATION 25	500 uR/hr	400 uR/hr	drainage
2			250 urem/hr	175 urem/hr	AT TOP
1	335	STATION 26	300 uR/hr	300 uR/hr	TOP PILE
2			120 urem/hr	120 urem/hr	TOWARD 19
1	400	STATION 27	250 uR/hr	200 uR/hr	Towards Far
2			150 urem/hr	150 urem/hr	side



POND
15 uR/hr
STATION 1
N
NOT TO SCALE
STATION 2
18 uR/hr
Road
Tailing
Pile
230 μR — 150 μR
Trend N37E
Stn 7
Stn 6
Met Sample
20 μRem/hr
Stn 4
Pile
Stn 5
Mixed Pit
Coral
Support
Stn 3
10 μR
STN 8
60 μR
600 μR
Pile
800 μR
note: inviting place to sit
log gnd reading only
ludlum



Luguna Construction

BLM

Desiderio Site

1

		INSTR	STAT	WAIST GROUND	GROUND ~~WAIST~~	COMMENTS
11/15	8:55	1 Lud	1	12 uR/hr	12 uR/hr	at POND
		2 Bic		7.5 mrem/hr	6 mrem/hr	
	855	1	2	18 uR/hr	18 uR/hr	at Fence
		2		8 mrem/hr	8 mrem/hr	
	940	1	3	10 uR/hr	10 uR/hr	AT BASE STATION
		2		5 mrem/hr	5 mrem/hr	
	955	1	4	24 uR/hr	20	pit near Ditch
		2		7 mrem/hr	7	
	10:45	1	5*	90 uR/hr	75	Pile adjacent to Stat 4
		2		50 mrem/hr	40	
	1055	1	6*	135 uR/hr	120	Pile East of STAT 5
		2		75 mrem/hr	60	
	1056	1	7*	85 uR/hr	75	Pile E of STN 6
		2		50 mrem/hr	40	
	11:00	1	8	170 uR/hr	120 uR/hr	Pile near RD
		2		90 mrem/hr	60 mrem/hr	
			9	NO SAMPLE		
			10			
	1153	1	11	55 uR/hr	55 uR/hr	Flat area East of auger
		2		30 mrem/hr	30 mrem/hr	
	1214		12	400 uR/hr	900 uR/hr	Base of pile near
				25 mrem/hr	400 mrem/hr	
				* Radon flux area		
	Base Background			11 uR/hr		
				2+1 mil		

Time	INST	STATION	WAIST Day 2	GROUND	Comments
	1	28	10	10	
	2		5	5	
		29	13 at window	5' off ground	
		30	80	80	
			50	50	
		31	75 ON Casing		
			.3 mR/hr	in hole base	Lgm micro probe
		32	RANGE ON 350 – 90 uR/hr	BRICK WALL	
			250 mrem/hr	– 50 mrem/hr	
		33	15	15	
			10	10	
		34	90	125	
			50	90	
		35	25	25	
			10	10	
		36	110 3 feet away	225 uR/hr CONTACT	
			70	130	
		37	600	600	
			300	300	
		38	200	240	
			150	200	
		39	18	18	
			10	10	
		40	600	200	
			300	600	
		41	400 3FT	500 CONTACT	
			2500	350	

Colleen Petullo's Sister;
c/o Claudette Machado
117 Black Oak Ln.
Drawt, MA 01826
508-957-0657

JAN 14 - 16 Th
ATLANTA
Embassy Suits
404-261-7733

JAN. Relig. N.C ↔

Back Thu 17th - 18th

FAX Holiday Inn
ads

DOE
MARK OLSEN - FTS
583-0277

BLM
#

MEMORANDUM OF CALL

Previous editions usable

TO Bob B. (11:15 ester std.)

☑ YOU WERE CALLED BY— ☐ YOU WERE VISITED BY—

Tony Wolbarst

OF (Organization) HQ

☐ PLEASE PHONE ▶ ☑ FTS ☐ AUTOVON

475.9630

☐ WILL CALL AGAIN ☐ IS WAITING TO SEE YOU

☑ RETURNED YOUR CALL ☐ WISHES AN APPOINTMENT

MESSAGE

Got the 14 pgs. - Thanks & would like to hear from you @ about 2pm his time.

RECEIVED BY	DATE	TIME
CJC	8 Feb	820A

63-110 NSN 7540-00-634-4018 STANDARD FORM 63 (Rev. 8-81)
Prescribed by GSA
FPMR (41 CFR) 101-11.6

☆ U.S.G.P.O. 1990-254-312

TONY
382-
4984

STEVE DEAN
(A1-1) 18TH FL
X 1049

213
422
0062

OAR HQ

1) Bluewater – water re-sample

2) Two levels of action
1) Removal action
Removal action
- extend radiation survey
- fence, post, cover tailing piles
- fence post and/or fill in preventing assess + continue monitoring

2) Remediation
- Consider NPL

ATSDR

radiation - substanciate Health advisors higher than what we like.

Heavy metals - only metal is Vanadium in soils.
Max 130-140 ppm
Van 400 ppm
Vanadium pentaxide V_2O_5 ← Toxic

Radioactive remediation information Publication.
over 100 millirems per year
520 deaths of 100,000 lifetime exposure cancer deaths
Reference Biological effects of

Feb 25th

DAVE SIZELER
FTS 479-8919
TONY Walbarst
382-4884

JOHN Vetter
212-264-6713

Mike Tucker / Da
DOE FTS 326-6001
P.O Box 2567
GRAND JUNCTION CO
81502 - BOB IVY 326-6003

(D) 110, 998.11 volume cubic yds
surface 92,355.8 sq ft

(V) 248,477.5 cubic yds
501,693.3 sq feet

Archelosist 212-264-6713

Engineer - 908-632-9200
Daniel Crouse

Al Sedic BIA - Laguna site
Marvin -

Field Inspection
locations
jurisdiction
Knowledge of sites

505 - 552 - 6003
Neal KASPER

Paul Stark - ATSDR Georgia
500 mrem a year limit
Recommended to International
10 CFR 20 - NRC regs

Total area and average gamma
alone 75-100 milliR/year

Chronic rather than acute -
living with it for more than 30 years

time in reaching to distance
radiation exposure limits - long

Physical hazards to be addressed
but not EPA'S jurisdiction.

If live on a pile problem
If not it is not a acute hazard.

100 millirem/y [7×10^{-5} years
1×10^{-4}

Computer program -
Remedial -

6:00 → BEST WESTERN GRANTS

7:00 → BV

Proposal report Wednesday.

Cerillos Land Company will take lead role in pursuing Order.

Notices + Correspondence to all Companies

workplan + survey week from Friday
16
7
23
8/23/91

Technical —
Meter from ground contact
weekly reports project
Coordinators briefly summarize
events:

Final report (see agenda)
Reuters stokes
• ~~Rutger~~ stokes pressure
Ionization Chamber.
5 points ranges
48 hours —

Access authority - BIA
By Friday 17 get technical arrangements

Tuesday 20 terms of order
send addendum to Linda

CALL RAY CHURAN
505-766-3565

Wilfred Super

Walt Mills -

wilfred

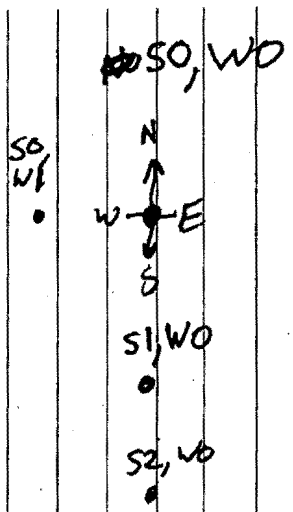
S15 W20

With gamma survey
Equipment Lubbum 19→
Gate frisker - sodium iodine
marketing stocks
Video - Camera
Thursday - Friday

1800
900
1800

37
19
703 stations

S0 → W18 G W
W0
↓
S36


S0, W0
S0 W1
N
W
E
S
S1, W0
S2, W0

LT Hoffmann
OFD HAZ

Walter Bahr - Oakland
Senior supervisor -

check dikes -
Boom placement -

4:30 noticed oil out of culvert
Dikes out - around 10 gallons
Quized building - USG
Street Dept 5:30 arrived.

MSO PO DAVIS
PO CLAYTON

State control → 6:35 pm

Jogger reported gasoline spill
Most like a sludge of diesel
fuel flowing through storm sewer
62th and Harrison street.
300 Lakeside

TAT Dismissed 6:53

State 2039

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL-FREE.

AIRBILL
PACKAGE TRACKING NUMBER 0860033101

1158M 0860033101

Date

RECIPIENT'S COPY

From (Your Name) Please Print	Your Phone Number (Very Important)	To (Recipient's Name) Please Print	Recipient's Phone Number (Very Important)
CHRIS LANDERS / Don White	415-744-1480	C/O Guest Robert Burnstein	505 287-7[illegible]

Company	Department/Floor No.	Company	Department/Floor No.
ENVIRONMNTAL PROTECTION AGENCY		THE INN-BestWestern	

Street Address	Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.)
75 HAWTHORNE	1501 EAST SANTA Fe AVE

City	State	ZIP Required	City	State	ZIP Required
SAN FRANCISCO	CA	94105	GRANTS	NM	87020

YOUR INTERNAL BILLING REFERENCE INFORMATION (First 24 characters will appear on invoice.)

H IF HOLD FOR PICK-UP, Print FEDEX Address Here
Street Address
City State ZIP Required

3 PAYMENT 1 [X] Bill Sender 2 [ ] Bill Recipient's FedEx Acct. No. 3 [ ] Bill 3rd Party FedEx Acct. No. 4 [ ] Bill Credit Card
5 [ ] Cash/Check

4 SERVICES (Check only one box)

Priority Overnight (Delivery by next business morning†)	Standard Overnight (Delivery by next business afternoon†)
11 [ ] YOUR PACKAGING	51 [ ] YOUR PACKAGING
16 [ ] FEDEX LETTER *	56 [ ] FEDEX LETTER *
12 [ ] FEDEX PAK *	52 [ ] FEDEX PAK *
13 [ ] FEDEX BOX	53 [ ] FEDEX BOX
14 [ ] FEDEX TUBE	54 [ ] FEDEX TUBE
Economy Two-Day (Delivery by second business day†)	**Government Overnight** (Restricted to authorized users only)
30 [ ] ECONOMY	46 [ ] GOVT LETTER
	41 [X] GOVT PACKAGE

Freight Service (for Extra Large or any package over 150 lbs.)
70 [ ] OVERNIGHT FREIGHT ** (Confirmed reservation required)
80 [ ] TWO-DAY FREIGHT **
† Delivery commitment may be later in some areas.
*Declared Value Limit $100.
** Call for delivery schedule.

5 DELIVERY AND SPECIAL HANDLING (Check services required)

1 [ ] HOLD FOR PICK-UP (Fill in Box H)
2 [X] DELIVER WEEKDAY
3 DELIVER SATURDAY (Extra charge) (Not available to all locations) [ ]
4 [ ] DANGEROUS GOODS (Extra charge)
5 [ ]
6 [ ] DRY ICE _____ Lbs
7 [ ] OTHER SPECIAL SERVICE _____
8 [ ]
9 [ ] SATURDAY PICK-UP (Extra charge)
10 [ ]
11 [ ] DESCRIPTION
12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)

6

PACKAGES	WEIGHT In Pounds Only
1	5
Total 1	Total 5

DIM SHIPMENT (Chargeable Weight) [ ] _____ lbs.
L x W x H =

Received At
1 [X] Regular Stop 3 [ ] Drop Box
4 [ ] B.S.C.
2 [ ] On-Call Stop 5 [ ] Station

Emp. No. Date
[ ] Cash Received
[ ] Return Shipment
[ ] Third Party [ ] Chg. To Del. [ ] Chg. To Hold
Street Address
City State Zip
Received By: X
Date/Time Received FedEx Employee Number

7 Release Signature:
FedEx Emp. No. 038 Date/Time 6-11-93

Federal Express Use
Base Charges
Declared Value Charge
Other 1
Other 2
Total Charges

REVISION DATE 4/91
PART #137204 FXEM 5/91
FORMAT #082
082
© 1990-91 F.E.C. PRINTED IN U.S.A.

Need all liquids removed
3 5,000 poly tanks
all drums and container waste
lab area
3 roll off boxes
and gross decon of visual chrome
staining

2450
ROGER PERFORMS CS137 BUT OCCASIONALLY
LESS THAN 0/0/10 USES RA226

RUDER STOKES PIC SHOULD SOURCE.
RUDGER STOKES PIC
UPTO SIX MONTH LOAN

TAKE 5 READINGS TO ESTABLISH CALIBRATION
CURVE.

Wilfred BOWMAN - 505 - 786 - 6101
we need a letter from BIA granting ACESS
TO DO work on section 24, 18 Brown-Vanderer
and JOHN Desiderio property
working with Ray Churan - DOI

why are there Lawyers?

6 → 1/2 hour

7:30 - 8:00