Con Edison - Indian Point Station
Outside Materials Notebook

Location: 1. MOB 80'

Description of Potential: WCT backup into MOB drain line in 1986. Floor areas scabbled to <100cpm. Limited inaccessible areas, piping and trench surfaces may still contain some activity

Action/Results/By:

Sample soil and drain lip ; leave rest alone to decommissioning sampling/results: _____ / _____

Detail/Photo:

Con Edison - Indian Point Station
Outside Materials Notebook

Location: 2. Electrical Tunnel Deluge line to X-former yard 15'

Description of Potential: Electrical Tunnel (Cardiac Hill) contaminated one time from evaporator overflow. Tunnel cables, trays, struts contaminated. Water outlet to yard

Action/Results/By:

6/23/92 0-4" sampling results: total = 1.05E-5 Cs-137
1.32E-6 Co-60

1/4" sifted fines = 1.5-2.3 E-5 Cs-137

6/29/92 surface scape inside fence, 12" from deluge outlet
Co-60 : 1.87E-4 Cs-137 : 6.59E-5

Detail/Photo:

Con Edison - Indian Point Station
Outside Materials Notebook

Location: 3. Storm Drains

Description of Potential:

Action/Results/By:

Sample during maintenance ; survey during schedule period

Detail/Photo:

Con Edison - Indian Point Station
Outside Materials Notebook

Location: 4. FSB Alleyway (80')

Description of Potential: Resin sluicing operations from drumming station intermittently.

Action/Results/By:

sample loose material; scrape paint, soil sand in cracks

sampling/results: /

Detail/Photo:

Con Edison - Indian Point Station
Outside Materials Notebook

Location: 5. ABFP alleyway 15'

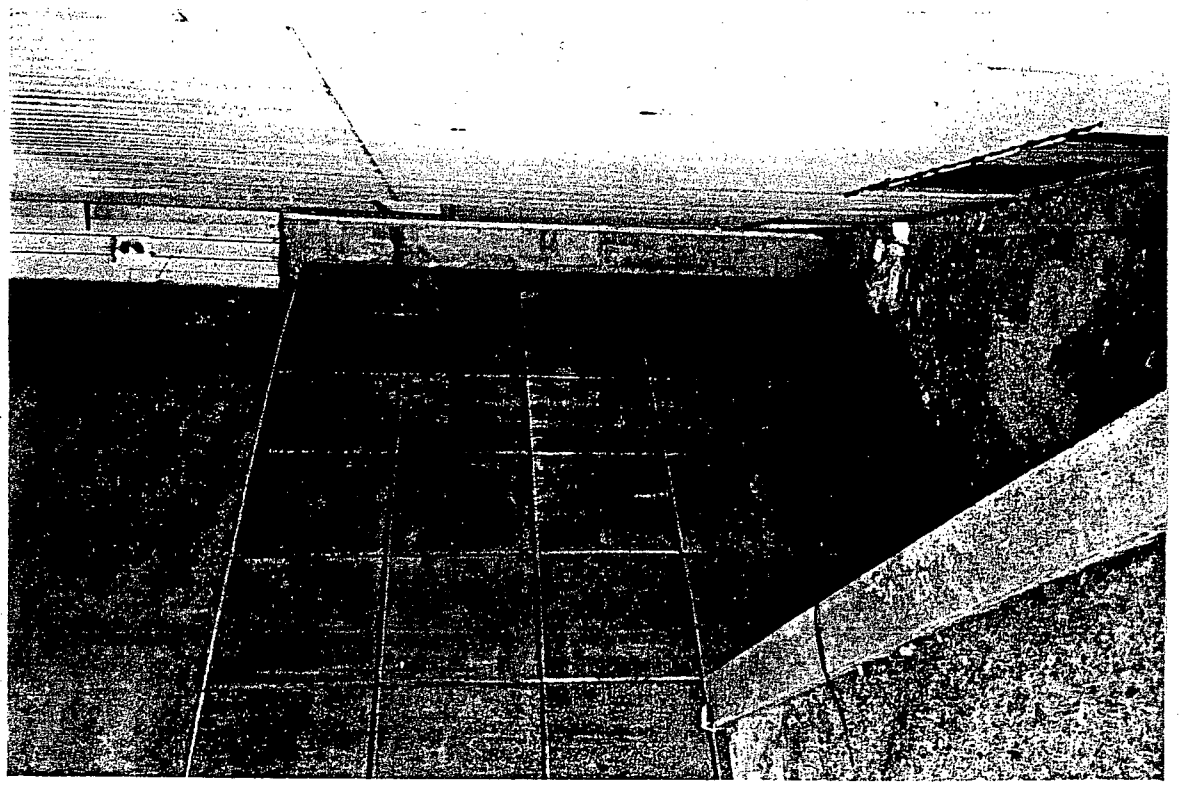
Description of Potential: Overhead line steam blowout in distant past.

Action/Results/By:

Area was cleared for free release in late 80's.
Followup sampling/results: /
low spot: 1.2E-5 uCi/g; general area: 3E-6 uCi/g

Detail/Photo:

← up



Date: Thursday, 14 July 1994 4:49pm ET
To: NUTTER.V
From: HOMYK.A
Subject: ABFP ALLEYWAY SOIL

Please ask Dave to give specific recommendations. Remember, Barnwell is closed. Al

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----------(Forwarded letter follows)----------

Date: Thursday, 14 July 1994 8:15am ET
To: HOMYK.A, MAFFEI.D, SHANNON.M
From: SMITH.DA
Subject: ABFP ALLEYWAY SOIL

THE PITCH OF THIS ALLEYWAY DOES NOT PERMIT FREE DRAINAGE OF RAINWATER. IT'S K. ROPER'S JOB TO FIX THIS SITUATION, AND DON BELIEVES THAT PAVING AFTER A GRADING IS THE LIKELY APPROACH. IT'S LONG BEEN KNOWN THAT THERE'S ACTIVITY IN THE SOILS FROM LONG PAST PLANT OPERATION. AFTER YESTERDAY'S SAMPLING/ANALYSIS, I'D SAY WE HAVE A DISPOSAL PROBLEM AS WELL. ACTIVITY CONCENTRATION IN SHALLOW (2-3 INCH DEEP SAMPLES) AT THE CLAY-LIKE LOW SPOT NEXT TO THE LOUVERS RUNS EQUAL AMOUNTS OF CO-60 AND CS-137, TOTALLING 1.2E-5 UCI/G. ANOTHER SAMPLE (COMPOSITE) FROM NEARBY GENERAL AREAS IS ABOUT 1/4 OF THE LOW SPOT ACTIVITY. UNLESS REMEDIATED NOW, THESE SOILS WILL HAVE TO BE KEPT IN THE DATA FILE FOR DECOMMISSIONING PURPOSES. IN ANY EVENT, I DON'T BELIEVE WE CAN LEAVE THE PRESENT SITUATION ALONE. I HAVE INFORMATION ON OTHER SIMILAR SUBJECT AREAS AS WELL.

Con Edison - Indian Point Station
Outside Materials Notebook

Location: 6. RWST rock pad and fill 80'

Description of Potential: Potential leaking transmitter boxes, valve and operator maintenance, flange leaks

Action/Results/By:

RWST ~~at S. Fence~~: Co-60: 1.1E-4 uCi/g ; Cs-137: 1.2E-4 uCi/g ; Cs-134: 3.1E-6 uCi/g

S. Fence ~~RWST perimeter~~ Co-60: 1.6E-5 uCi/g ; Cs-137: 9.9E-5 uCi/g

RWST perimeter Co-60: 1.5E-6 uCi/g ; Cs-137: 4.4E-6 uCi/g

East fenceline Cs-137: 6.6E-7 uCi/g

Detail/Photo:

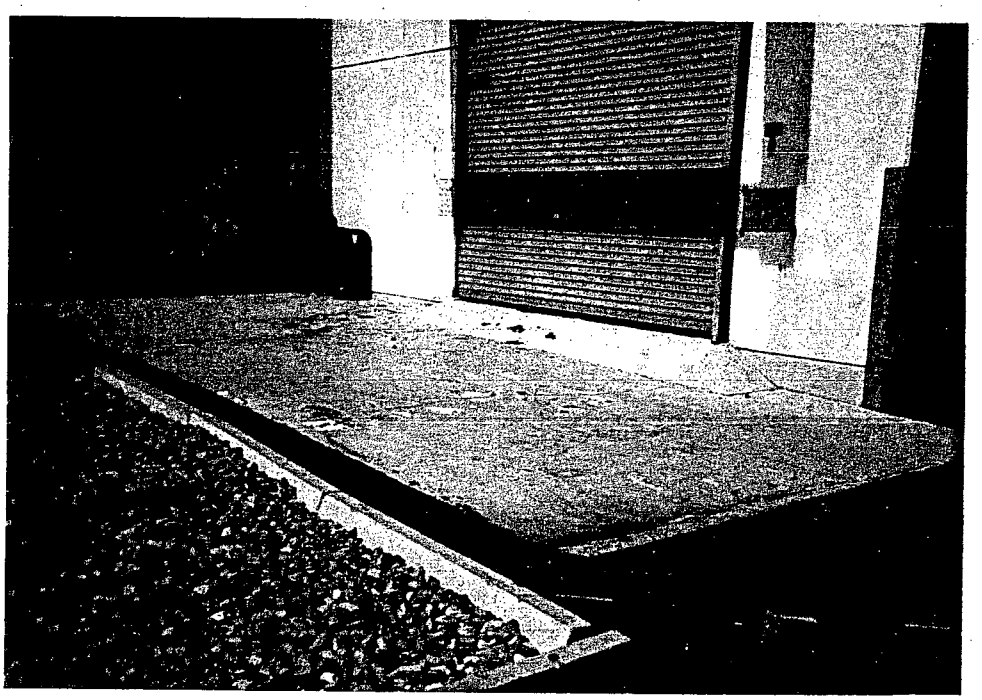
Con Edison - Indian Point Station
Outside Materials Notebook

Location: 7. Hittman Shed boom door 70'
(to driveway) at CSB

Description of Potential: Prior operations and possible spills getting to or transported to concrete boundary and blacktop

Action/Results/By:

Detail/Photo:



Con Edison - Indian Point Station
Outside Materials Notebook

Location: 8. Transformer yard at RHR Wall

Description of Potential: Wall disassembly of RHR cells to remove motors from both pumps

Action/Results/By:

6/23/92 shallow scrape results: 3.2E-6 Co-60 ; 5.6E-6 Cs-137

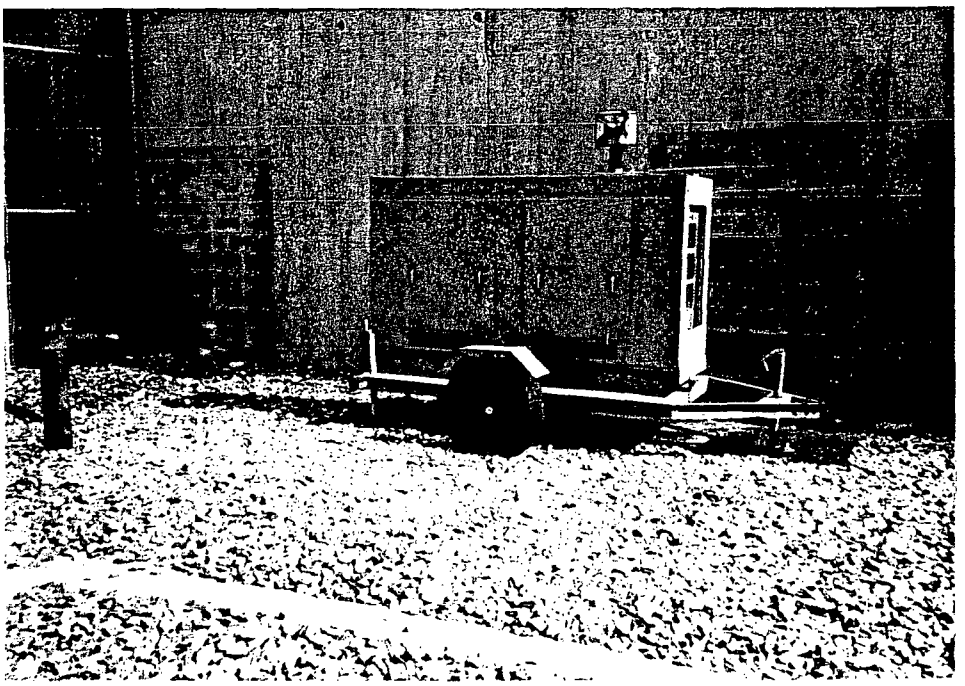
11/22/93 shallow scrape 5' from door, 20' from door (lost)

6/22/94 Composite outside 21 RHR/door : 1.24E-7 Co-60, 2.99E-7 Cs-137

6/22/94 at edge of storm drain, near hydrant : 2.58E-6 uCi/g Co-60
6.57E-7 uCi/g Cs-137

good candidate area for detailed grid survey (DHS, 6/28/94)

Detail/Photo:



Con Edison - Indian Point Station
Outside Materials Notebook

Location: 9. Non-descript areas outside PA Fence

Description of Potential:

Action/Results/By:

Detail/Photo:

Con Edison - Indian Point Station
Outside Materials Notebook

Location: 10. NEM lab/garden

Description of Potential:

Action/Results/By:

Detail/Photo:

Con Edison - Indian Point Station
Outside Materials Notebook

Location: 11. B & W Warehouse

Description of Potential:

Action/Results/By:

Detail/Photo:

Con Edison - Indian Point Station
Outside Materials Notebook

Location: 12. City Water Tank Fenced Area

Description of Potential: Some rad material storage

Action/Results/By:

Detail/Photo

Con Edison - Indian Point Station
Outside Materials Notebook

13.

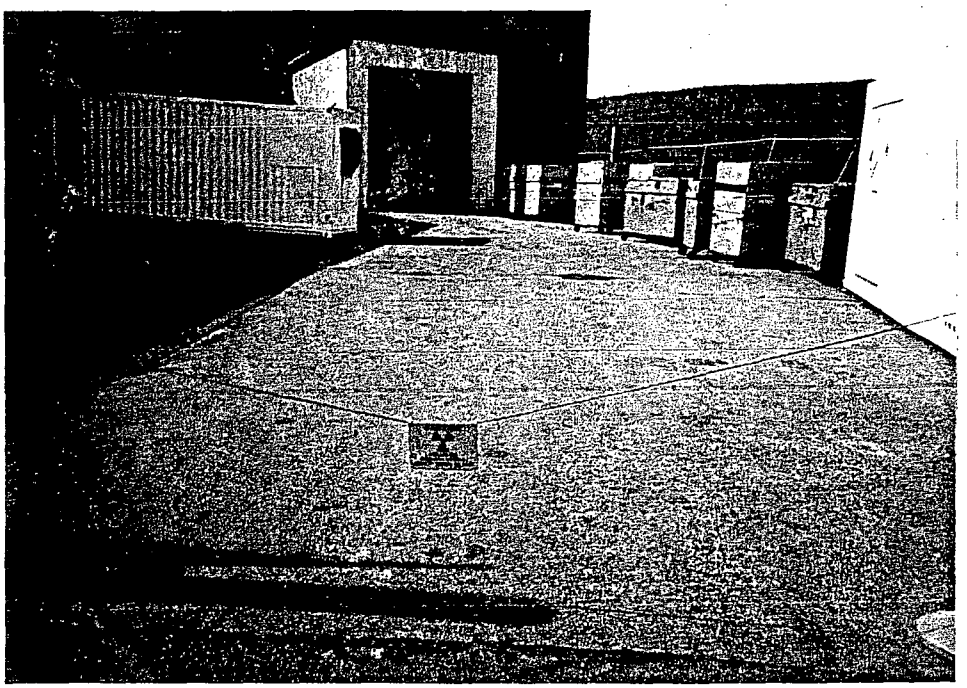
Location: Doghouse and Hill RMSA 95'

Description of Potential: Ongoing storage of RAM, movement of materials on grand scale in/out of VC

Action/Results/By:

11/22/93 shallow samples at points of driveway run off, either side of gate/hope. HP lost samples. Resampled 4/26/94 5 point composite just outside North fence: Second sample at south side of driveway shoulder, at entrance to RMSA; also 4/26/94 5 point composite: 6.55E-7 uCi/g 4.06E-7 uCi/g Co-60; 9.29E-7 uCi/g Cs-137

Detail/Photo:



Con Edison - Indian Point Station
Outside Materials Notebook

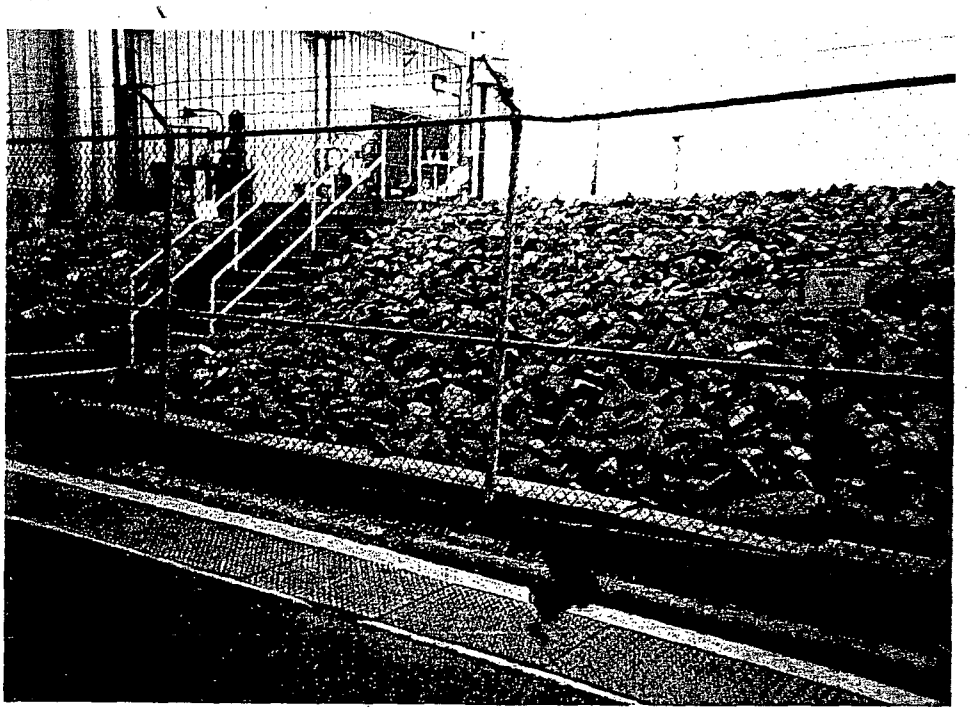
Location: 14 Diesel Generator Rooms & Fill 80'

Description of Potential: Carryover from RWST spills

Action/Results/By:

bottom of fenceline, about 6'-10' from RWST / Diesel
Common fence: 2.7E-7 µCi/g Co-60, 3.2E-6 µCi/g Cs-137

Detail/Photo:



Con Edison - Indian Point Station
Outside Materials Notebook

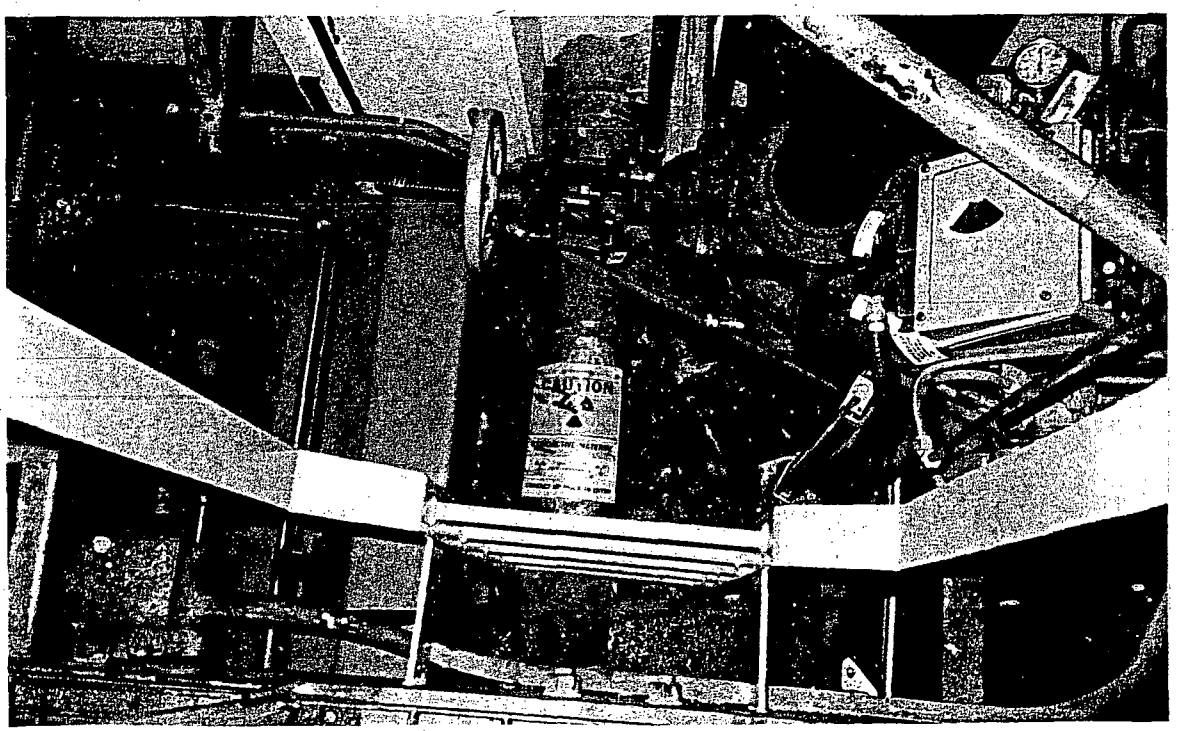
Location: 15. Blowdown line in EDG Bldg 72', and driveway to Unit 1

Description of Potential: Blowdown alternate path to Unit 1 Flash Tank; failed high temperature gasket in EDG building; underground leaks

Action/Results/By:

General: leave alone until decommissioning; retain labeling of line in EDG Bldg.
If maintenance arises in/out of EDG Bldg, examine pipe environs and sample soil. Restore clean fill only.

Detail/Photo:



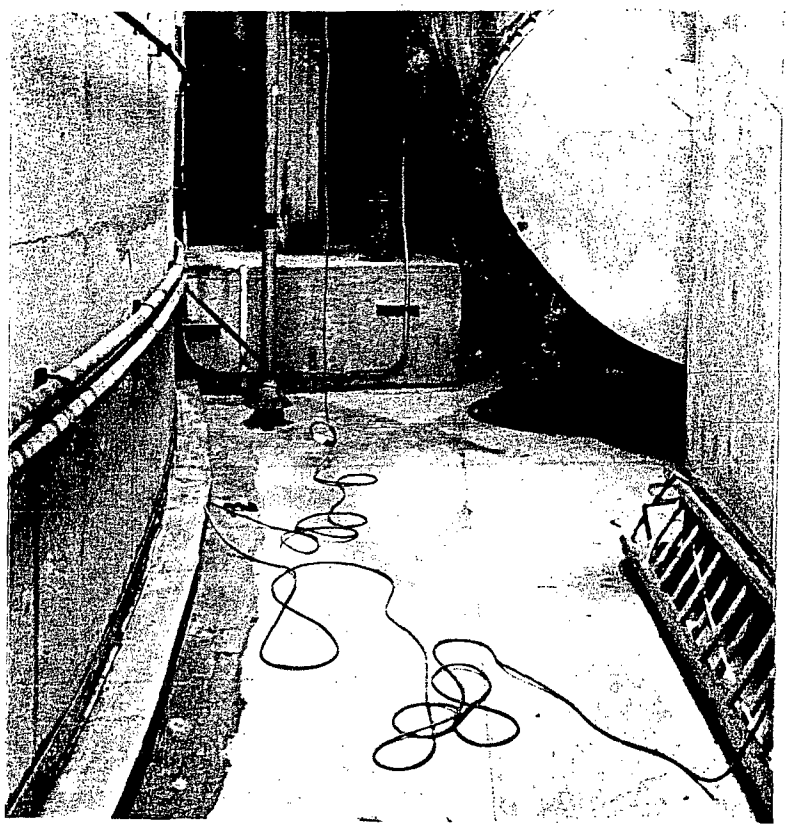
Con Edison - Indian Point Station
Outside Materials Notebook

Location: 16. Fanbuilding alleyway 78'

Description of Potential: Plant vent, valves

Action/Results/By:

Detail/Photo:



Con Edison - Indian Point Station
Outside Materials Notebook

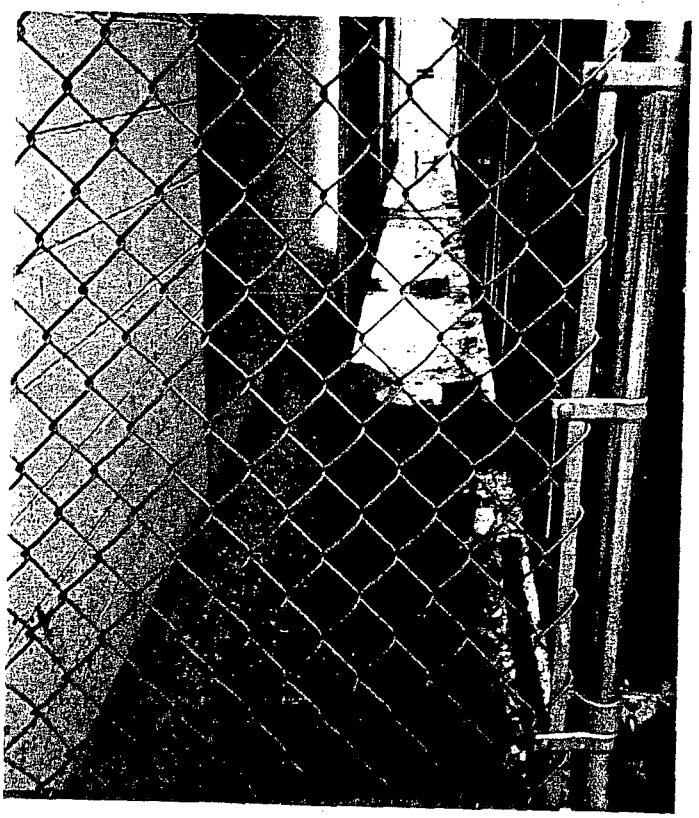
Location: 17. MOB/FSB alleyway

Description of Potential:

Action/Results/By:

after photo taken, FSB to alleyway leak detected and repaired. Sb primarily in soils completely removed ~100 barrels. No activity above TS environmental soil LLD detected. Area access controlled/locked; anticipating no further operational survey actions

Detail/Photo:



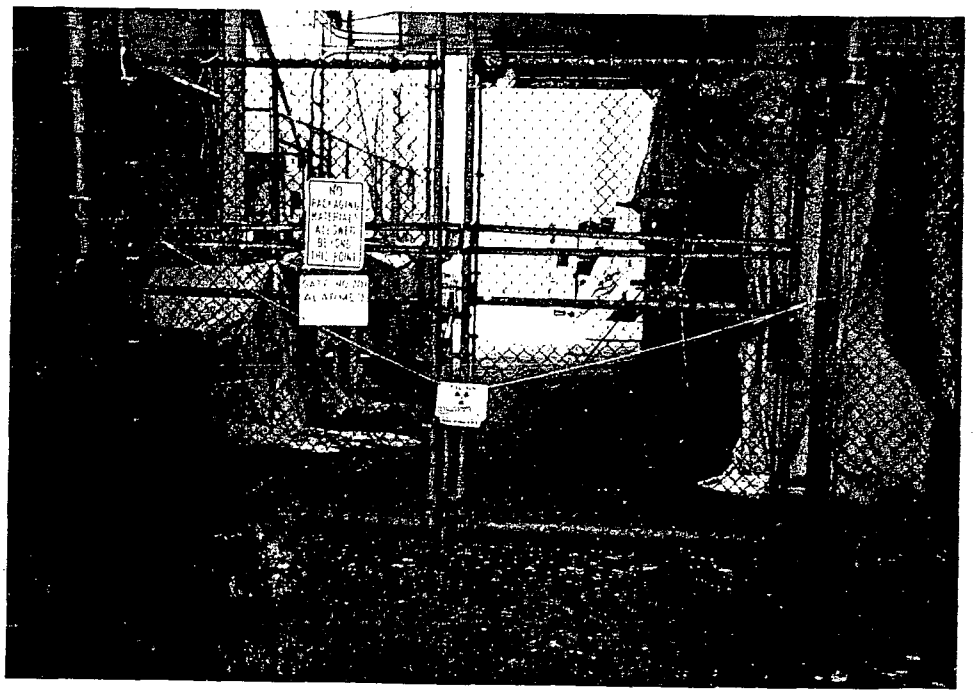
Con Edison - Indian Point Station
Outside Materials Notebook

Location: 18. PAB/BAB driveway

Description of Potential: RAM movement and scaffold storage

Action/Results/By:

Detail/Photo:



Con Edison - Indian Point Station
Outside Materials Notebook

Location: 19. BAB Fenceline
19a. N side of BAB

Description of Potential:

Action/Results/By:

19a. North shoulder of BAB by MOB/FSB/BAB common driveway; samples 4/20/94 results: 4.4E-7 uCi/g Cs-137

19. 1.83E-7 uCi/g Co-60
5.79E-7 uCi/g Cs-137

Detail/Photo:

Con Edison - Indian Point Station
Outside Materials Notebook

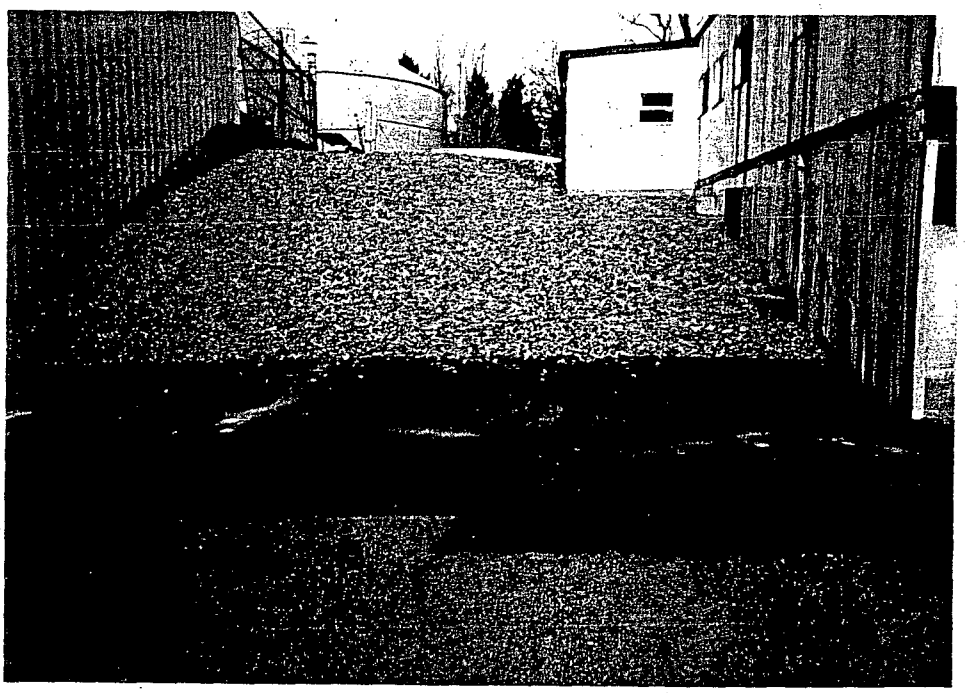
Location: 20. MOB/Construction Hill 90'-95'

Description of Potential: attendant to RAM monements in doghouse / hill area ; RAM storage at east end of doghouse/hill RAMSA.

Action/Results/By:

2 samples composited, halfway up hill; 3/4 of way up hill on MOB side (estimated higher traffic area) 11/22/93 samples lost by HP. Resampled 4/26/94 4 point composite : 9.4E-8 uCi/g (this is less than environmental LLD)

Detail/Photo:



Con Edison - Indian Point Station
Outside Materials Notebook

Location: 21. Cargo Container at Fire Water Tank

Description of Potential:

Action/Results/By:

Detail/Photo:

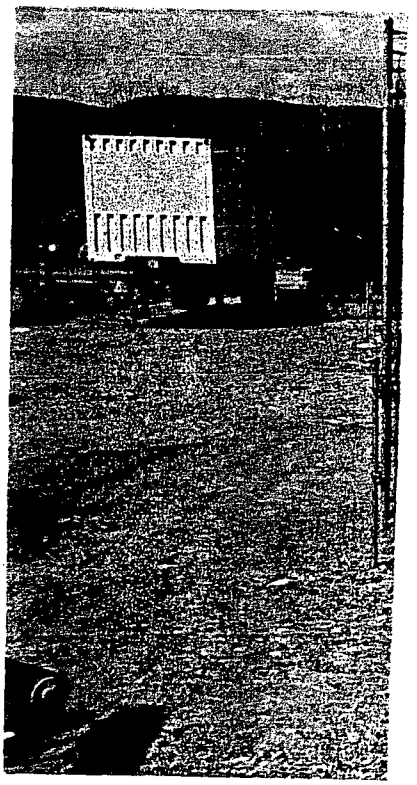
Con Edison - Indian Point Station
Outside Materials Notebook

Location: N. Cleanco Trailer

Description of Potential: Decontamination facility stored in trailer

Action/Results/By:

Detail/Photo:



Con Edison - Indian Point Station
Outside Materials Notebook

Location: 23 Oil Tank Farm Steam Lines
[Potential in Utility Tunnel]

Description of Potential: cross contamination of steam in condensate feed to boilers. Relief's, steam traps, leaks leading to extremely low level soil contamination

Action/Results/By:

7/15/94 2.1E-7 uCi/g Cs-137

Detail/Photo:

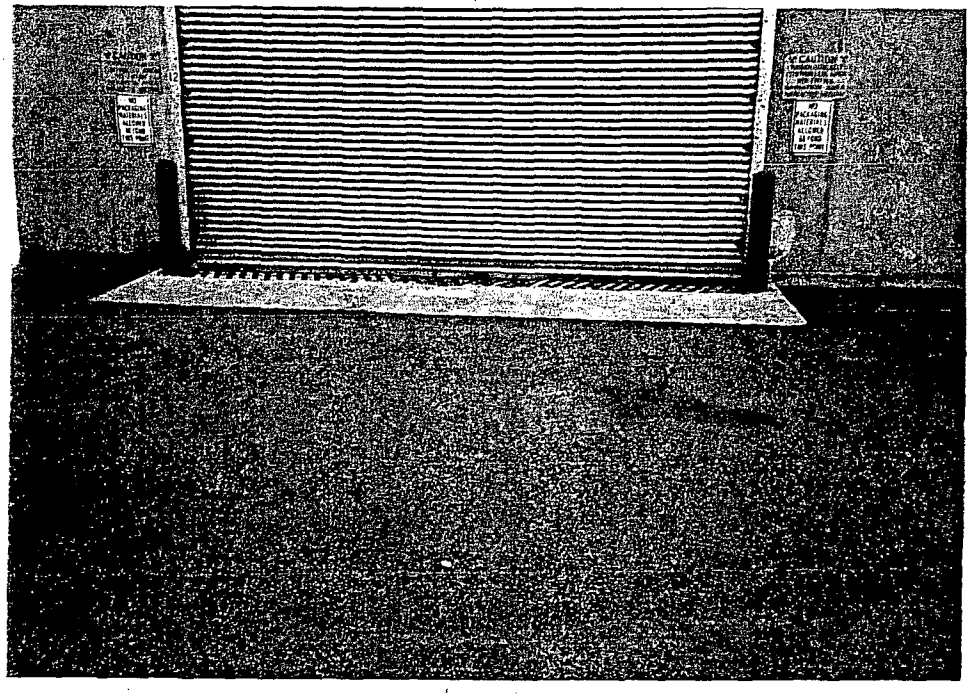
Con Edison - Indian Point Station
Outside Materials Notebook

Location: 24. Outside RR door at FHF 70'

Description of Potential: Dam movements

Action/Results/By:

Detail/Photo:



Con Edison - Indian Point Station
Outside Materials Notebook

Location: 25. Acid Line in NSB/EDG Driveway
70'

Description of Potential:

Action/Results/By:

Detail/Photo:

Con Edison - Indian Point Station
Outside Materials Notebook

Location: 25. Acid Line in NSB/EDG Driveway
70'

Description of Potential:

Action/Results/By:

Detail/Photo:

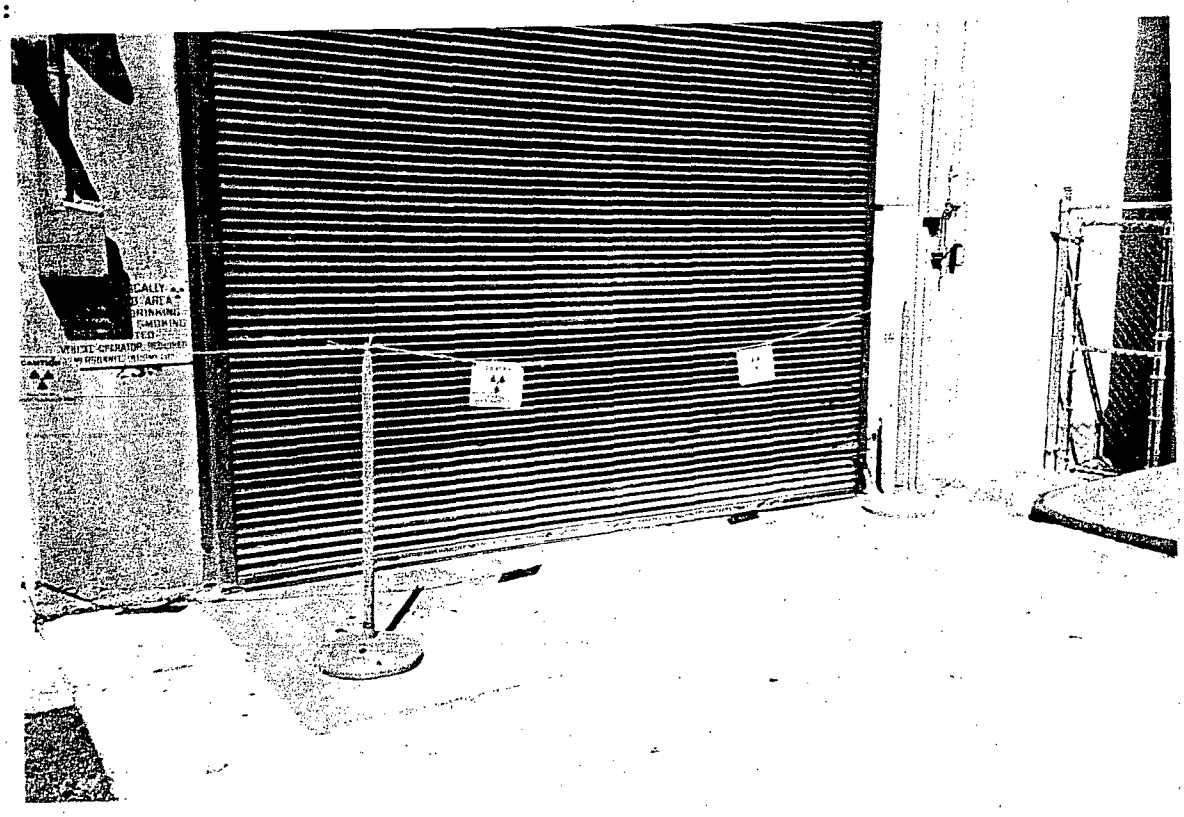
Con Edison - Indian Point Station
Outside Materials Notebook

Location: 27. FSB Door 80'

Description of Potential: Lower level FSB activities

Action/Results/By:

Detail/Photo:



Con Edison - Indian Point Station
Outside Materials Notebook

Location: 28. Storm Drains in Protected Area

Description of Potential: Licensee activities, spills, migration through ground

Action/Results/By:

Detail/Photo:

Con Edison - Indian Point Station
Outside Materials Notebook

Location: 29. Unit 2 to Unit 1
Waste Transfer Line

Description of Potential: Underground line, leaks

Action/Results/By:

Detail/Photo:

Con Edison - Indian Point Station
Outside Materials Notebook

Location: 30. Oil Tank Farm Storage Area

Description of Potential: Rad Material Storage

Action/Results/By:

area to left of picture below cleaned up (LLD environmental) and released early June 1992.

Detail/Photo:

Con Edison - Indian Point Station
Outside Materials Notebook

location 31

Location: Unit 1 Pool Leakage Affected Areas

Description of Potential: Spent fuel, irradiated component, water storage pool leakage to underground areas

Action/Results/By:

Decommissioning

Detail/Photo: