

8-21-06 - New Haven Depot site visit

0715 - Arrived on site, check-in w/security
Met Nikki Harther, showed document
boxes to go through, got started
going through documents

Commodities of Interest

- Baddeleyite Ore (Zirconium Oxide)
- Bastnasite
- Monazite
- Sodium Sulfate
- Vanadium Oxide
- Columbium ores + concentrates

People of Interest (Interview Potential)

- | | |
|-----------------|-------------------|
| - Bill Till | - Robert Skruvek |
| - Nikki Harther | - Lois Muddleston |
| - Mike Pecullan | - John Olszewski |

1130-1200 - Lunch

Impromptu
Interview w/Mike Pecullan: (1400)

- Pile/Scale/areas in between
 ↑ Thinks will be the big problem
- Building contents being consolidated
 into 214 - 214 unavailable currently -
 before being shipped off

- NRC wants soil samples

- 10% Tungsten licenseable

- 50% Columbium tantalum
 ↳ Before 1996, never checked

Vanadium oxides - barely
 licenseable

Tantalum → ores/concentrates,
 natural minerals

→ Usually processed

(not licenseable as
 radiation is removed during processing)

* Bays not listed
 on given inventory
 may not contain material
 radioactive enough
 to ~~be~~ be licenseable

of ones that
 are licenseable,
 they are only just
 barely licenseable

1600 - Site closing down for day

8-22-06 - New Haven Depot Site Visit

0715: Arrived on site, continue going through boxes

1100: Finished going through set aside boxes -
Plan for rest of today will be to go through documents on shelf, and check for add'l docs and try to conduct interviews or at

- least set up interviews, come up w/plan for site tour
- Wed plan - Interviews/Site Tour/Photos/Photograph^{graph} sample
- Thurs plan - Meeting/Site Tour w/representative/Photos/Screenings, etc.
- Fri plan - Whatever's left -
Clean-up, return files, etc.

1130-1200: Lunch

Mike says

1330: WH-214 - sealant on floor

214-1 214-3, 214-2 } all encapsulated
214-4 ↑
 might screw up alpha survey

- Chromium/lead not going to be a problem
- Hg contamination from leak in warehouse not extensive

~~211-215~~

~~211-215 + old office~~

Lois says of buildings/areas in question:

- 7A - Present
 - 200 - ~~gone~~ Sold long ago (1970's) - Not survey
 - 201 - ~~gone~~ Sold long ago (1970's) - Not survey
 - Old Office - Present
 - 207 - ~~gone~~ Sold long ago (1970's) - Not survey
 - 141 - ~~Present~~ Probably falling down
 - 145 - ~~Present~~ Gone
 - 146 - ~~Probably gone~~ Present
 - 210 - Turned over to GSA, but still will be surveyed
 - 211 - Present
 - 212 - Present
 - 213 - Present
 - 214 - Present
 - 215 - Present
- Additionally
(124 and Track 12)
(Weigh Station)
(Tracks from 7A to Weigh Station
and Road)

* See if we have Preliminary Assessment from January 1999 electronically - we almost certainly do, but if not, Mike P. will send

- Mike P. also has another CD's worth of information he is trying to copy for us

- Figure with survey units
Red: Travel lines
Yellow: Loading areas
Green: Storage Areas

1530: Finished going through document boxes/shelves - Discussion w/John O. about plans for rest of week

1600: Site closes

8-23-06 New Haven Depot Site Visit

0715: Arrived on site

0730: Site tour w/Mike + Lois

through 1000

- Office buildings (136) } falling apart
- 141 + 146 (145 footprint)
- 7A Area (Rail spur is southern border of pile)
- didn't see 200, 201, 207

(not part of survey anyway)

- Weigh stations (potential for spilled material from cars)

East of scale - dumped in front of Bays 3+4 (213)

Too Heavy → taken out and dumped for front loader -

looks pretty clean now

- 210: Nasty; roof falling in at Sec. 1 (No electricity anywhere probably need lights)
- 211

- 212 } No issues, all empty

- 215 } Sec. 4 ~~65~~ corner stores floorspar acid grade. blows all over building

- 214 } Contractors doing work on

- 213 } sealing floor

214-1 sandblasted and then sealed → like now

Still in use process of transferring contents into 214 for ultimate removal

Picture Log

001 - Baddelyite ~~Sample~~ Sample
(Zirconium Dioxide)

002 - Tungsten Wolframite Sample

3 - }
4 - } old office
5 - }

~~52-63-211-1~~

59-63-211-1

64-211-1

(3+4 same)

6 - }
7 - }
8 - } 141
9 - }
10 - }

didn't go in
possibly unsafe

65-67-212

68-70-215-3-4

71-76 215-1-2

77-86 214

87-96 213

11 - }
12 - }
13 - } 146
14 - }

15 - }
16 - }
17 - }
↓ } 7A
30 - }

31 - 7A Decon Area

32 - }
↓ } 7A Bunds (Rail car path)
37 - }

38 - }
↓ } Weigh Station
42 - }

43-49 - 210-1

50-54 - 210-2

55-58 - 210-3

Tour notes:

- Fluorspar pile (may cause trouble w/survey - use sodium iodide tube)
- 7A - hotspots (notes)

200' by 200' 214-3

Standard warehouse size

- No warning signs up on days anywhere
- Never dose rate problem
- Volume issue

taken down as stuff moved out

* Mike has HSA report from Curtis Bay that we can use as a guide

215 - Fluorspar wooden bin
Acid grade
dust on floor
might affect reading

214-4: Hg in there

Mike mentions using instruments to reach high places (walls, etc.)

214-1, 4 done

3 will be

2 ~~will~~ maybe

Contractor flooring seal

Asbestos sealant

move out contents, decon/clean, plastic up.

seal floor

probably cleaned up any residual radioactivity

213 - moving stuff out, probably not done by time we need to be there (maybe if we do last)

different survey unit

* Open areas, empty warehouses, demolished buildings, falling apart buildings, used buildings

possible priority

1000 - Analyzed pictures taken,
through compiled information from
1130 site tour

1130 - 1200 : Lunch

1200 - 1600 : Interviews

with site personnel

- John Olszewski
- Mike Pecullan
- Richard Whitman
- Lois Huddleston
- Nikki Morther
- Dale Amos
- Warren Flood

only offer one to get:

- Snow? (Tomorrow: 8-24)

1600: Site dosing down

Mike's titles:

- Project Manager DBSE ORPP
- Deputy Manager of Occupational Radiological Protection Program
- Environmental Protection Specialist

DEEL
Dosed
Concentration
Res Prod
Level
↑
Res Prod
Limit

8-24-06: New Haven Depot Site Visit

0700: Arrived on site

through came up with list of bldg/areas

1100

- 7A (And tracks/roads leading to weigh station)

- 136 (old office)

- 141

- 145 (Demolished - Survey footprint?)

- 146

- 124 (and track 12) - Shrink wrapping area

- Weigh Station Area

- 210 (GSA building - still to be surveyed)

- 211 (Sec. 1 - not empty)

- 212

- 213 (Sec. 1 - not empty)

- 214 (can't get in until April)

- 215

- Coal Pile (Coke)

- Got more files from Mike - including

CAD files from Parsons

- 1100 meeting postponed due to attendee travel issues

↳ Abbreviated meeting to occur at 1 PM

1100-1200: Lunch w/ Mike P., Greg, John, + Mike B.

1200-1300: Greg + Mike B. took John on site tour to show what we learned from Lois + Mike P. yesterday

} Only identified bays on sheet

1300: Meeting w/ John, Greg, Mike, Lois, Mike, Cam, Nitkei

Schedule:

- 1 - HSA (Report within 3 weeks) 9-6
- 2 - Scoping
- 3 - Characterization (Plan mid-october) } Combining (October)
November
- 4 - Remediation Plan (February 2007)
(NRC Review) DCGL?
- 5 - Remediation (7A+ Areas) (Default or Site-specific?)
(April 2007) - (June/July 2007) depends on NRC
- 6 - Scope/Charac. - Bldg. 214 (mid-April)
- 7 - 211-1, 213-1 → Scope/Charac. ↓
- 8 - Final Status Survey Plan (FSS) Draft Mid-October
- 9 - FSS Plan Final
- 10 - FSS Class II/III (Before NRC Approval?)
- 11 - FSS Class I

214-3: Shot-blast floor, then encapsulent epoxy, overhead sprayed

214-2: Encapsulated 213-2: Top to bottom ↳ Also, spill of R.E.

- Containerized unknowns?

Monozite in Durpak bags (dust) ↳ Biased measurements in cracks/expansion joints

214-4: Just vacuumed and sealed
↓
Mercury spill - reason
Asbestos - reason for all others

Any potentially in-leak - Class 3

L Stuart Bland Chesapeake Nuclear
Scans on Paint

Misting Mining -
Fluorospin
information

Didn't inventory until sampling

8-25-06 - New Haven Site Visit

0900 - Arrived on site

0900 - 1000 : Drove around to take pictures of fluorspar piles and Bldg 124 (with nearby tracks) and to try and locate coal (coke) pile.
- Coal pile must either have been completely cleaned or completely under cover of vegetation as we were unable to locate it
- Fluorspar piles were noted on the map

Pics 97-98 : Pile 319A

99-101 : Bldg 124

102-104 : Pile #8

105-107 : Pile 319

1000 - 1200 : Copied historical photos
Had to go to New Haven Public Library to copy files on floppy disk

1200 - 1300 : Lunch

1300 - 2100 : Drive to airport, fill up rental car w/gas, Flight home

Kinko's

423 W Coliseum Blvd
Ft. Wayne
496-8575

Library

200 E. Berry St. Ft. Wayne
421-1200

648 Green St. New Haven
421-1345

New Haven Depot
Radioactive Material Locations

2/22/2008

Commodity	7A	200	201	Office	207	141	145	146
Bastnasite			X	X				
Columbium Tantalum		N Dock, 5-72	N-30		X			
Monazite			X	X	X			
Rare Earth		X		X				
Tungsten								
Zirconium	X			X		X	X	X

✓ X X ✓ X ? ? ?
Sodium sulfate *Sold long ago* *Sold long ago* *Sold long ago* *Probably falling down* *Probably kind of falling down*
check footprint?

Commodity	210				211			
	1	2	3	4	1	2	3	4
Bastnasite								
Columbium Tantalum	1, 2, 13, 14, 21-27, 31, 41, 44, 51, 61, 71-75	2, 11, 21		2-5, 8-9, 12-14, 32-33, 35, 43, 45-46, 48, 52-54, 56, 58, 76	X	X		
Monazite		X						
Rare Earth								
Tungsten	X	X	X		X	X		
Zirconium								

Turned over to GSA, but still will be MARSSIM surveyed *won't be empty*

Commodity	212				213			
	1	2	3	4	1	2	3	4
Bastnasite					X			
Columbium Tantalum	11, 31, 37, 41, 51, 61, 71	11, 12, 21			X		11, 21, 19, 29	1, 9, 11, 15, 21, 31, 38-39, 41, 51, 59, 67, 69, 75, 78, 79
Monazite						12, 13, 15, 16		
Rare Earth								
Tungsten					X			
Zirconium					X			X

won't be empty

* Areas to check out on site tour (look for caution signs in bays, etc)

Green = possible licensed material
 Blue = known licensed material
 Red = Licensed material noted on LH spreadsheet

(possibly based on activity ~~material~~?)
as we know materials themselves are licensed

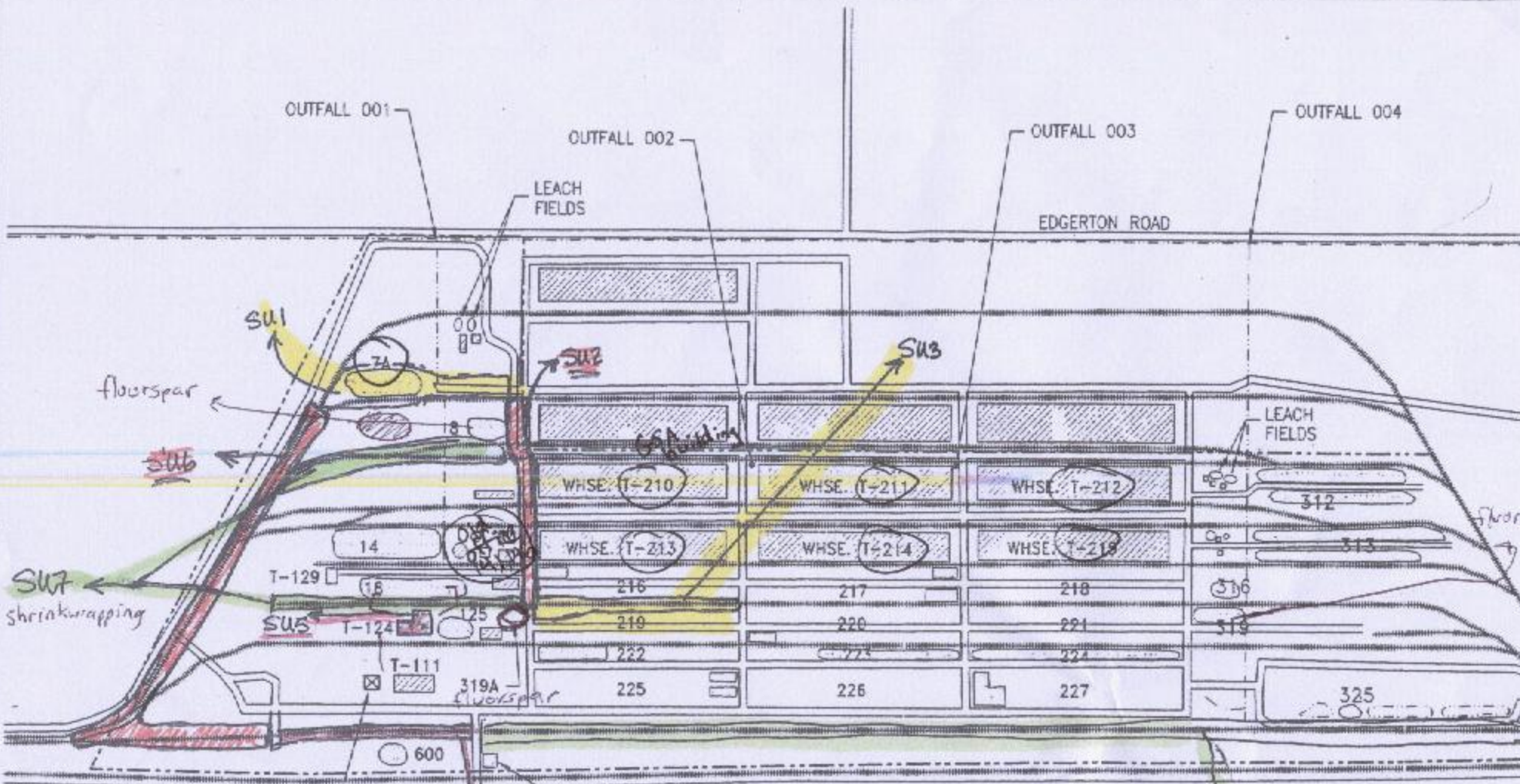
New Haven Depot
Radioactive Material Locations

2/22/2006

Commodity	214				215			
	1	2	3	4	1	2	3	4
Bastnasite	X		3		2-4, 12-13			15, 19, 29, 51-56, 61-65, 68, 71-79
Columbium Tantalum		X	9, 13-16, 17, 18, 26-28, 34, 37-38, 41-44, 77	31, 21, 31 41-43, 45, 51, 59, 61, 69, 75-79				
Monazite		X			11, 22, 23, 25-29, 34-37, 41, 44-45			
Rare Earth			3-6, 8, 12-13, 15-18, 22-28, 31-33, 35-38, 48, 56-57, 75		43, 62, 73-75	36, 41-42, 46, 52-54, 62-63		
Tungsten	X	X	36	X				
Zirconium								

epoxy sealant

Green = possible licensed material
Blue = known licensed material
Red = Licensed material noted on LH spreadsheet



Red = travel lines
 Yellow = loading areas
 Green = storage areas

LEGEND	
	BUILDINGS
	STOCKPILES
	SITE BOUNDARY
	DITCH/POND

- SU1 - Class 1
- SU2 - Class 1
- SU3 - Class 1
- SU4 - Class 1
- SU5 - Class 2
- SU6 - Class 3
- SU7 - Class 3
- SU8 - Class 3

HIGHWAY 14

BERTHAUD ROAD

SCALE: 1"=60'

0 60 120

PARSONS