

8/22/64

Survey of ~~Safeguards~~ Safeguards Control for
SS material - once a year

1. Office survey -

(NMC Branch Office)

look over contracts, licenses

2. Tour plant -

3. Physical Inventory

A. Listing (100%) to get info from both
- on ALL containers -

B. Sample statistically -

Take 64 samples for all mixed materials
if the 64 are found without error can
expect 950% efficiency in program

C. Check weigh the 64 samples - to
determine if gross weight is correct
(done by NMC Branch Office)

NMC check scales by means of
Bureau of standard weights -

D. Compare results with contractor -
(all analyses done by 7-12 or
new Brunswick Lab - give results
by element & isotopes) HLG

14	. 20709	1.41×10^{-12}	(2-9-66)
15	. 14648	1.6×10^{-12}	(5-10-66)
16	. 05735	1.73×10^{-12}	(5-11-66)
17	. 039876	1.49×10^{-12}	(4-12-66)
19	. 25854	1.30×10^{-12}	(4-13-66)
20	. 14404	2.44×10^{-12}	(3-25-66)
21	. 0562	1.66×10^{-12}	(3-28-66)
22	. 04675	1.79×10^{-12}	(3-28-66)
23	. 19599	(AML Module Key)	
		1.95×10^{-12}	(11-8-65)

4. Records Audit -

check at least 68 external transfers by contractor - may get this info from license record or other sources -

A. Set of significant supporting documents check of analysis data etc

B. Audit of declared records = shipper -

- receiver differences (SR's)

- MUF's (material unaccounted for)

- NOL's (normal operating losses, spill, accidents etc)

C. Analysis of procedure manual + internal control -

(How does contractor control his program - if error is found what checks & counterchecks does contractor have etc -) Does contractor follow procedure?

D. Summary & report

1. Material Balance statements (from contractor information checked against AEC information)

5. Writing of report - Transmitted to AEC NMN (Washington)

Solid Water

31.5 Graver to date -

~~10/27/66~~

11-11-65 Kentucky

31.5 Graver sum -

20 containers

827

<u>0-200</u>	<u>201-400</u>	<u>401-600</u>	<u>601-800</u>	Above 800
20	217	407	608	
21	219	409	610	
28	221	443	616	
32 ✓	228	457	619	
43 ✓	236	464	622	
66	253	479	627 653	
86	262	485	648	
97	276	527	653	
100	295	534	658	
117	337	561	660	
129	357	573	668	
131	369	587	678	
153 ✓	375		688	
167 ✓	376		699	
188 ✓	386		700	
193 ✓	389		723	
196			768	
47 ✓			778	
			779	
			782	
			784	
			787	

Field notes

inspected 8/22 - 24, 1964

8/22/64 Guinn

Union Carbide

Union Carbide Ellis

Laurensburg, Tenn 5NM-794 (70-794) Laurensburg, Tenn

Moyer Edwards, H.P. & Critchley office

J.E. Cheek, H.P. Technician

M.N. Burkett, production mgr

7. H. permen of weights on
containers -
May be errors but will be
more concentrated

8. No statements made re
rejection of inventory.

9. Loss Mechanism Flow
Sheet - Co: II never saw -
the NMM discussed with
Burkett item by item.

10.

900
270
630

8/26/66
Youngblood ~~Griffith~~
Ellis
Edwards
Burkett
Chick

1. Will set inventory procedures - all materials
will be identified by tag number.

2. Will estimate cost on equipment
in High Bay area as well as
all other equipment.

3. See 2 above

4. Crossover - It happened (Burkett)
Cause:

(1) Vacuum cleaner used for both

(2) WANK required high purity
(15 PPM), if any questionable
was discarded & labeled AVR

(3) none in equipment but cleaned -

5. Will label all containers

6. See 2 above