

W.P. Ellis
6/29/65

Field Notes of an inspection
Conducted on June 3-4, 1965 by

Union Carbide Corp.
Union Carbide Chemical Co
South Charleston, W. Va

License No. 47-260-6
(also includes field notes for 47-260-3+4)

Ketchum
Jack N Demit

Room 345 Bldg 770

(C) (1) Bldg

(F) (1) Isotopes

Survey 1/1/65

(20 mc Sr-90 source) sealed source

1 mc Co-60

(F) (4)

Source no

6316 Leak Test 3 mc Sr-90 In Inst.

1 1/5/65

6316 Sr-90 10 mc

600-2 Leak Test 1-4-65 Bldg 745 Session
chromatography

B-316 Co-60, 1 mc, 1-4-65 Inst Cal

Leak Test Radiation

500 ml water 5×10^{-5}

on 3-19-65

Pocket Dosimeter

50 m -

Installing source

Film Badges from NC monthly basis
14 badges

Mike Young

Quarterly 510

year 513

Form 4 completed

Inst Cal every 6 mos.

Surveys - monitor area for gas.

or airborne materials for C-14 & $\frac{1}{2}$

10 172
a total of 25 ml in three runs 10, 10 & 5

Kr-79 Bldg 773

J. A. Boggess CR Landfried
Tracer to determine the residence time
distribution of ethylene during Polyethylene
Production

used Oct 13, 21 & Nov 11, 1964
600 & 1200 CF hr for exhaust

Pulled sample from stack - pulled
sample in & recorded

10/13 conc 9.8×10^{-6} MC/ml

10/21 2.7×10^{-5}

11/11 1.5×10^{-5} MC/ml

12/10/64 .5 mc 14 gill

.002 mc sample vial

Purchases of C-14

111.022 mc C-14 on hand

Purchased

161.4 mc of carbon-14 7/12/63

Shipped to other carbide units

Office Dir of U.C. - 17

Mellon Institute Pittsburgh - 1a

{ U.S. Rubber Co 200 mc C-14
Wayne Mfg.

Tech center

Mr. H. B. Walker Dir, Tech ctr

Each Dept Has Dir + asst Dir
all ^{have} VP (most in NY)

Dr. Dunn Chemical R+D Dept

Committee See Iis appra

J. L. Marsh VP for Chem

J. W. Biddle / F Johnston Dir

→ J. H. Dunn asst Dir
R M Berg asst Dir

Ketchum

110 gold I,

H3

h.c

260

10/63

Sealed Churnate

250

5/63

100

3/63

300

6/64

300

3/64

300

3/64

300

3/64

200

6/64

H3

13c

in cyl.

Bldg 745

in hood.

none used since last prep.

we used other 26 mo. in last
2 years

Rn Scraper C-104

1200 CFM Hood

Discharge 4800 gal/min

37.4 mc

$\leq 0.2 \times 10^{-2}$

2×10^{-3}
mc/hr

plus dilution

Discharge to hood - negligible

≤ 10 mc

4 since 9/25/63