AECU-3602

WESTINGHOUSE ELECTRIC CORPORATION

WAPD-PWR-PMF-830

BETTIS PLANT
CLAIRTON SITE
P.O. BOX 1526
PITTSBURGH 30, PA.

July 24, 1957

Manager, Pittsburgh Area Office
U. S. Atomic Energy Commission
P. O. Box 1105
Pittsburgh 30, Pennsylvania

Subject: PWR Project
General Order CG-20000 Contract (AT-11-1-GEN-14)
Radioactive Waste Disposal System, S. O. 1-AP-8043

Reference: WAPD-PWR-PMF-414, dated September 7, 1956, transmitting System Description No. 24 "PWR Radioactive Waste Disposal System", Issue 4

Dear Sir:

Forwarded for inclusion in Volume II of the Shippingport Atomic Power Station Manual are the manual size illustrations for System Description No. 24 "PWR Radioactive Waste Disposal System". These illustrations are to replace the flow sheets which were forwarded to the holders of the Power Station Manual by the referenced letter.

The system has been depicted on seven illustrations for convenience in developing operating procedures. The seven illustrations are entitled:

Figure 24-1 "Radioactive Waste Disposal System Service Building Wastes"

Figure 24-2 "Radioactive Waste Disposal System Liquid Effluents"

Figure 24-3 "Radioactive Waste Disposal System Solid Wastes"

Figure 24-4 "Radioactive Waste Disposal System Gaseous Wastes"

Figure 24-5 "Radioactive Waste Disposal System Cooling Water"

Figure 24-6 "Radioactive Waste Disposal System Steam System"

528-1

Figure 24-7 "Radioactive Waste Disposal System Miscellaneous Service Lines"

The illustrations are being forwarded prior to resubmittal of the system description since they are of immediate use in the testing of the system and for the further development of system operating procedures.

Very truly yours,

J. R. LaPointe, Supv. Engr.
PWR Fluid Systems Section

/rmg
7/23/57

Attachment:
Illustrations Fig. 24-1
Fig. 24-2
Fig. 24-3
Fig. 24-4
Fig. 24-5
Fig. 24-6
Fig. 24-7

Transmitted by ______
G. E. Stevanus

Distribution List XIV +

cc:	Messrs:	Mr. L. R. Love (Duquesne Light Company)	- 20
		Mr. J. E. Nolan (PWR Plant Analysis Section	- 20
		Mr. A. L. Bethel (PWR Test and Operations Group	- 5
		Mr. H. A. Locke	- 1
		Mr. R. D. Brown (PWR Fluid Systems Section)	- 1
		PMF File (PWR Fluid Systems Section	- 10

RADIOACTIVE WASTE DISPOSAL SYSTEM
SERVICE BUILDING WASTES
FIGURE 24-1

622-J-675
6/14/57

528-3 (I)

528

3 (II)

RADIOACTIVE WASTE DISPOSAL SYSTEM LIQUID EFFLUENTS

FIG 24-2

622-J-676
6/17/57

528-4 I

528-4 II

528-4 III

528 4 IV

RADIOACTIVE WASTE DISPOSAL SYSTEM

SOLID WASTES

FIG. 24-3

622-J-677
6/17/57

528 - 5(I)

528 5(II)

RADIOACTIVE WASTE DISPOSAL SYSTEM GASEOUS WASTES

FIGURE 24-4

528-6(I) 528-6(I) 528-6(II) 528 6(III)

RADIOACTIVE WASTE DISPOSAL SYSTEM COOLING WATER
FIGURE 24-5

528-7 I

528-7 II

528 7 III

NOTES:

1. WHERE LINE ENDS THUS REFER TO WASTE DISPOSAL ILLUSTRATION NUMBER APPEARING IN DIAMOND FOR CONTINUATION OF LINE
2. ALL STEAM TRAPS SHOWN HAVE SCREWED CONNECTIONS

RADIOACTIVE WASTE DISPOSAL SYSTEM

STEAM SYSTEM

FIGURE 24—6

DWG. 622-J-680
DATE JUNE 28, 1957

528 - 8 I

528 - 8 II

528 8 III

RADIOACTIVE WASTE DISPOSAL SYSTEM

MISCELLANEOUS SERVICE LINES

FIG. 24-7

Dwg. 622-J-681
June 21, 1957

528-9 II

528 9 II