

‘2000

## **Sampling and Transport of Paraffin Waste Form from CWDS of Nuclear Power Plant**

1

149

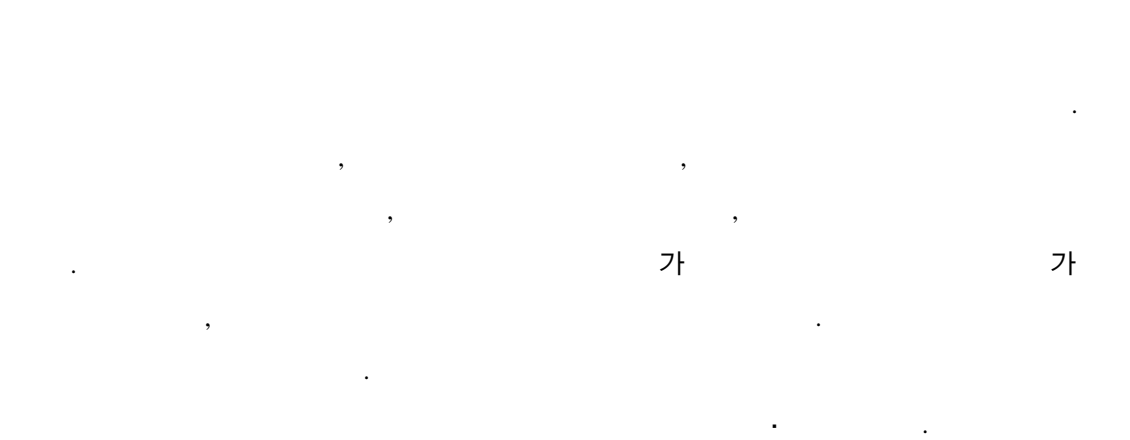
L

6- 12mrem

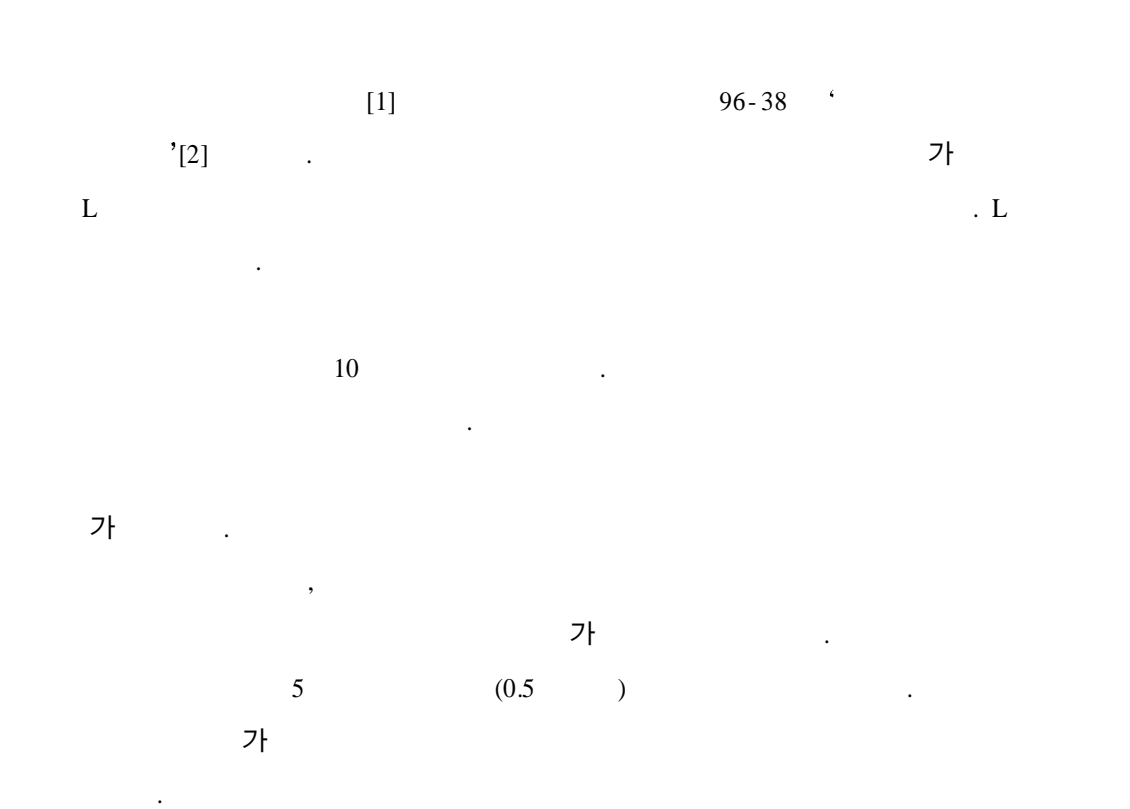
### **Abstract**

Sampling and transport of paraffin waste form from concentrated waste drying system (CWDS) of domestic nuclear power plant were performed to collect the leaching characteristic data for the disposal of radioactive waste. Transport was performed according to the national regulations and the internal rules of the nuclear power plant. The sample of paraffin waste form was classified as L type package according to the regulation and radiation exposure of operator was measured in the range of 6 to 12 mrem that was less than the estimated amount.

1.



2.



	0.37 (10 1 )
	3.7 (1 1 )

L 가 .  
A2 1 1 가 , 2

가 A2 0.4Ci .  
5 (0.5 ) .  
1

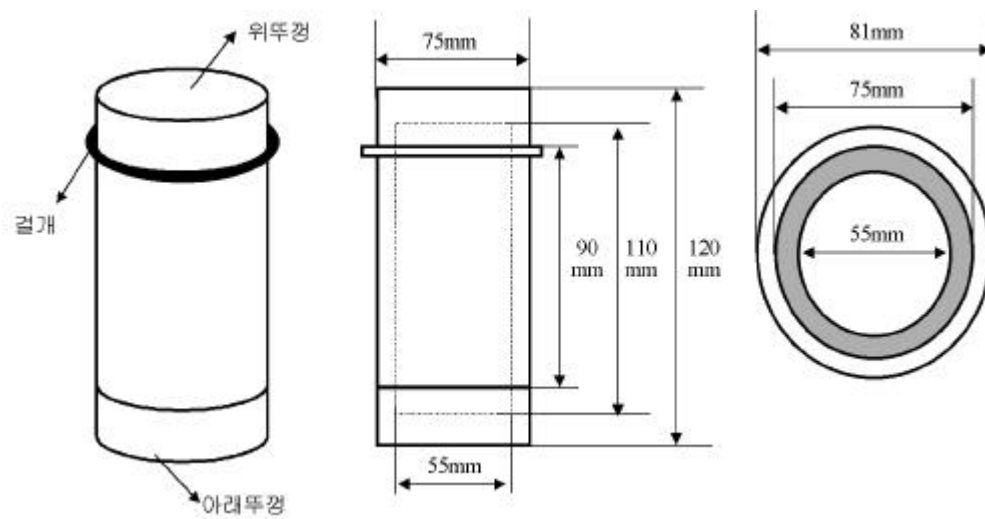
230g 9.5E - 5Ci(3.5E - 06T bq) .  
12 2760g 9.5E - 4Ci(3.5E - 05T bq) . L  
4E - 4Ci 4 . 가

3.

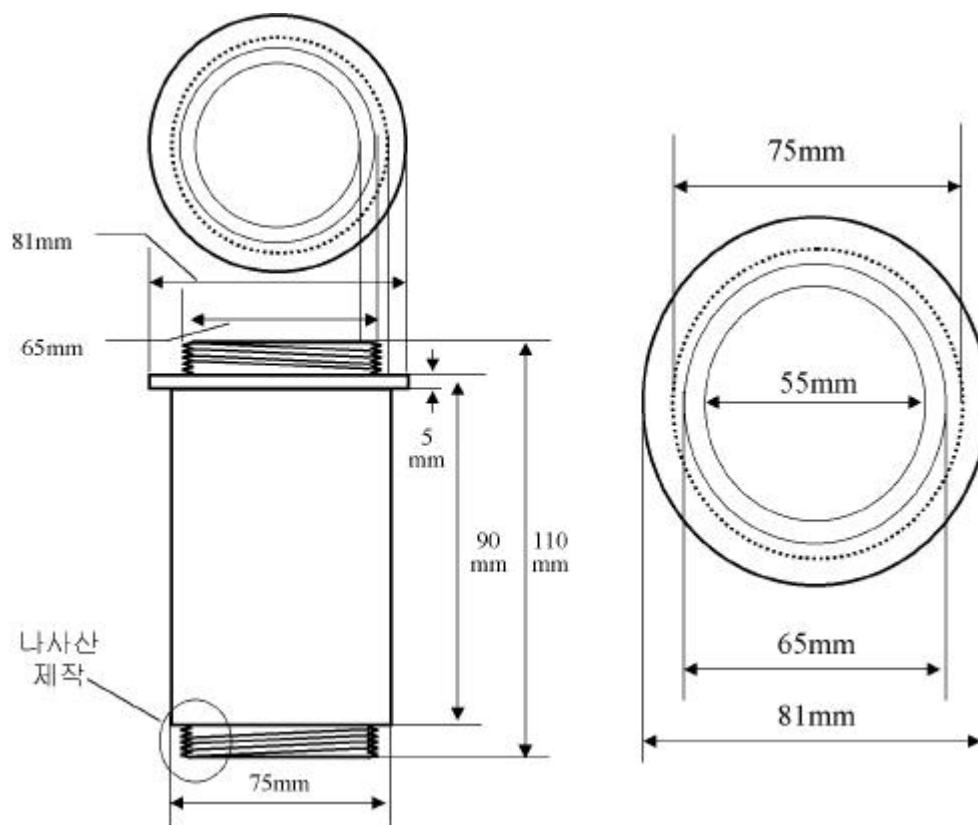
11cm 5cm, 10cm 가 5cm,  
( 5cm ( ) × 11cm ) .



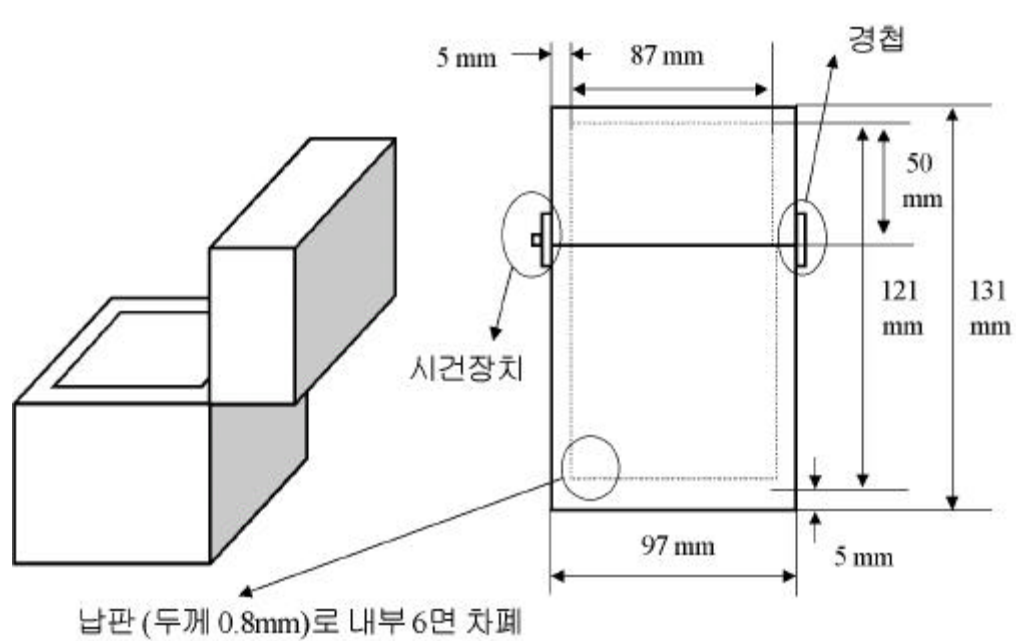
1.



2 .



3 .



4 .

4.

1  
(CWDS : concentrated waste drying system)

1 ( 가 )

2

2 . 2

1

200mR/h 1m 30mR/h  
0-3mrem ,

20

2 1 3 6 . 20 1 가 10

4 2 1 3 6 . 20 1 가 10

4 2,3 가 10 4 . 10

6-12mrem/hr .

1m 20mrem .

5

5 1m .

가

30mrem .

가 1

12 7.33E-05Ci Co-58, Co-60, Mn-54, Sb-125,

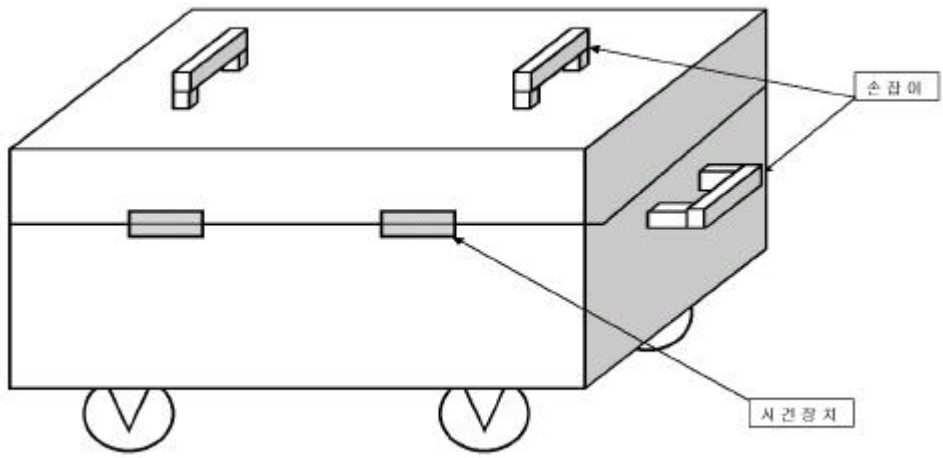
Cs-137 . 12 L

mrem/hr . 15-30

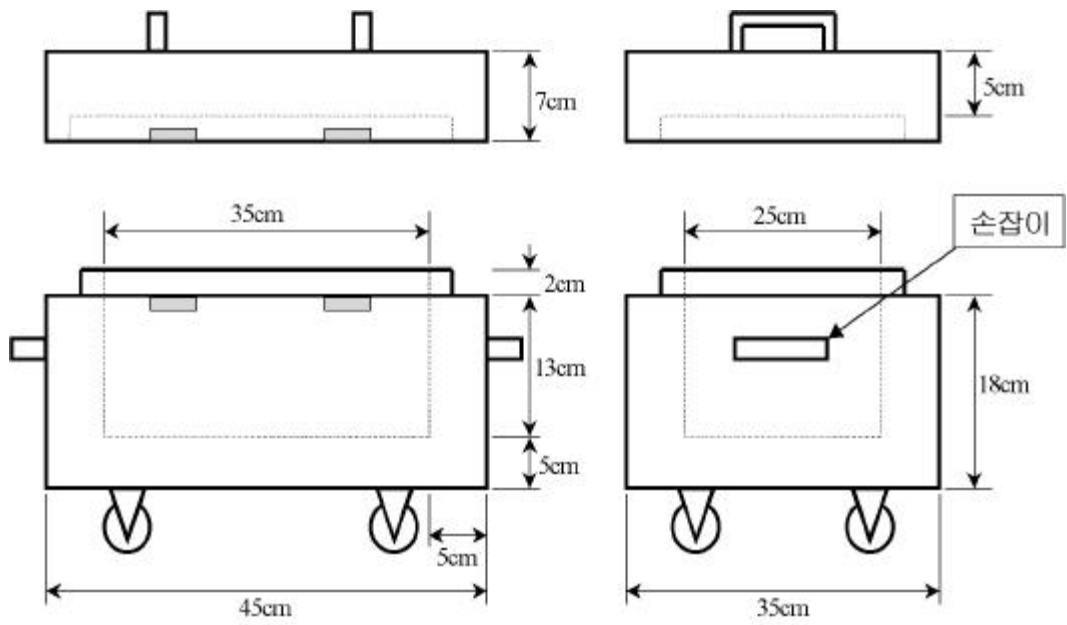
가

2 7-5mrem/hr 6cm

5, 6 .



5.



6.

8

3- 1.5 mrem/hr

Background

6

1

1.

(mrem/hr)			(mrem/hr)		
		1m			1m
1	15	7	1	0.07	0.01
2	14	6	2	0.04	0.01

1m 0.007 mrem/hr  
가

0mrem Background

5.

12 7.33E - 05Ci  
0.07 mrem/hr L L  
6- 12mrem 0mrem

1. , ‘ , ’ 1998
2. 1996- 38 , ‘ , ’ 1996