

Annexed Table 7

**Table of Charging Standards for Treatment, Storage and Final Disposal of
Radioactive Wastes and Discarded Source**

Unit: NTD

S/N	Item	Charging Standard		Remark
1	Treatment and Storage of Combustible Solid Radioactive Wastes	per kg	874	
2	Treatment and Storage of Inorganic Liquid Radioactive Wastes	per liter	64	
3	Treatment and Storage of Organic Liquid Radioactive Wastes	per liter	859	
4	Treatment and Storage of Inorganic Tritium-contained Liquid Radioactive Wastes	per liter	859	
5	Treatment and Storage of Organic Tritium-contained Liquid Radioactive Wastes	per liter	859	
6	Decontamination of Radiation-contaminated Materials	per kg	783	
7	Treatment and Storage of Noncombustible Solid Radioactive Wastes (Sand and Soil)	per kg	489	
8	Treatment and Storage of Noncombustible Solid Radioactive Wastes (Concrete and Stone)	per kg	489	
9	Treatment and Storage of Noncombustible Solid Radioactive Wastes (Glass)	per kg	489	
10	Treatment and Storage of Noncombustible Solid Radioactive Wastes (Metal)	per kg	489	
11	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class A discarded Radiation Source Activity $\geq 80\text{Ci}$)	per piece	56,960	
12	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class A discarded Radiation Source $10 \leq \text{Activity} < 80\text{Ci}$)	For calculation formula see Annexed Table 7-1		
13	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class A discarded Radiation Source $1 \leq \text{Activity} < 10\text{Ci}$)	For calculation formula see Annexed Table 7-1		

S/N	Item	Charging Standard		Remark
14	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class A discarded Radiation Source $0.1 \leq \text{Activity} < 1\text{Ci}$)	For calculation formula see Annexed Table 7-1		
15	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class A discarded Radiation Source Activity $< 0.1\text{Ci}$)-The basic charge	per piece	1,710	
16	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class B discarded Radiation Source Activity $\geq 10\text{Ci}$)	For calculation formula see Annexed Table 7-1		
17	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class B discarded Radiation Source $1 \leq \text{Activity} < 10\text{Ci}$)	per piece	6,840	
18	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class B discarded Radiation Source $0.1 \leq \text{Activity} < 1\text{Ci}$)	per piece	5,130	
19	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class B discarded Radiation Source $0.01 \leq \text{Activity} < 0.1\text{Ci}$)	per piece	3,420	
20	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class B discarded Radiation Source Activity $< 0.01\text{Ci}$)-The basic charge	per piece	1,710	
21	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class C discarded Radiation Source Activity $\geq 10\text{Ci}$)	For calculation formula see Annexed Table 7-1		
22	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class C discarded Radiation Source $1 \leq \text{Activity} < 10\text{Ci}$)	per piece	8,550	
23	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class C discarded Radiation Source $0.1 \leq \text{Activity} < 1\text{Ci}$)	per piece	6,840	

S/N	Item	Charging Standard		Remark
24	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class C discarded Radiation Source $0.01 \leq \text{Activity} < 0.1\text{Ci}$)	per piece	5,130	
25	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class C discarded Radiation Source $0.001 \leq \text{Activity} < 0.01\text{Ci}$)	per piece	3,420	
26	Treatment (Preparative Treatment) of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class C discarded Radiation Source Activity $< 0.001\text{Ci}$)-The basic charge	per piece	1,710	
27	Treatment (Conveying and Disassembly) of Noncombustible Radioactive Wastes (Discarded Radiation Source), $W < 100\text{kg}$	For calculation formula see Annexed Table 7-2		
28	Treatment (Conveying and Disassembly) of Noncombustible Radioactive Wastes (Discarded Radiation Source), $W \geq 100\text{kg}$	For calculation formula see Annexed Table 7-2		
29	Storage of Nonflammable Radioactive Wastes (Discarded Radiation Source) (Activity $\geq 80 \text{ Ci}$)	For calculation formula see Annexed Table 7-3		
30	Storage of Noncombustible Radioactive Wastes (Discarded Radiation Source) ($10 \leq \text{Activity} < 80 \text{ Ci}$)	For calculation formula see Annexed Table 7-3		
31	Storage of Noncombustible Radioactive Wastes (Discarded Radiation Source) ($1 \leq \text{Activity} < 10 \text{ Ci}$)	For calculation formula see Annexed Table 7-3		
32	Storage of Noncombustible Radioactive Wastes (Discarded Radiation Source) ($0.1 \leq \text{Activity} < 1 \text{ Ci}$)	For calculation formula see Annexed Table 7-3		
33	Storage of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Activity $< 0.1 \text{ Ci}$) -The basic charge	per piece	830	
34	Final Disposal of Combustible Solid Radioactive Wastes	per kg	160	
35	Final Disposal of Inorganic Liquid Radioactive Wastes	per liter	74	
36	Final Disposal of Organic Liquid Radioactive Wastes	per liter	131	

S/N	Item	Charging Standard		Remark
37	Final Disposal of Inorganic Tritium-contained Liquid Radioactive Wastes	per liter	131	
38	Final Disposal of Organic Tritium-contained Liquid Radioactive Wastes	per liter	131	
39	Final Disposal of Noncombustible Solid Radioactive Wastes (Sand and Soil)	per kg	330	
40	Final Disposal of Noncombustible Solid Radioactive Wastes (Concrete and Stone)	per kg	314	
41	Final Disposal of Noncombustible Solid Radioactive Wastes (Glass)	per kg	382	
42	Final Disposal of Noncombustible Solid Radioactive Wastes (Metal)	per kg	406	
43	Final Disposal of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class A discarded Radiation Source Activity $\geq 80\text{Ci}$)	per piece	87,720	
44	Final Disposal of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class A discarded Radiation Source $10 \leq \text{Activity} < 80 \text{ Ci}$)	For calculation formula see Annexed Table 7-4		
45	Final Disposal of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class A discarded Radiation Source $1 \leq \text{Activity} < 10 \text{ Ci}$)	For calculation formula see Annexed Table 7-4		
46	Final Disposal of Noncombustible e Radioactive Wastes (Discarded Radiation Source) (Class A discarded Radiation Source $0.1 \leq \text{Activity} < 1 \text{ Ci}$)	For calculation formula see Annexed Table 7-4		
47	Final Disposal of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class A discarded Radiation Source Activity $< 0.1\text{Ci}$)-The basic charge	per piece	1,310	
48	Final Disposal of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class B discarded Radiation Source Activity $\geq 10\text{Ci}$)	per piece	87,720	

S/N	Item	Charging Standard		Remark
49	Final Disposal of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class B discarded Radiation Source $0.1 \leq \text{Activity} < 10\text{Ci}$)	For calculation formula see Annexed Table 7-4		
50	Final Disposal of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class B discarded Radiation Source $\text{Activity} < 0.1\text{Ci}$) -The basic charge	per piece	1,310	
51	Final Disposal of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class C discarded Radiation Source $\text{Activity} \geq 10\text{Ci}$)	per piece	87,720	
52	Final Disposal of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class C discarded Radiation Source $0.1 \leq \text{Activity} < 10\text{Ci}$)	For calculation formula see Annexed Table 7-4		
53	Final Disposal of Noncombustible Radioactive Wastes (Discarded Radiation Source) (Class C discarded Radiation Source $\text{Activity} < 0.1\text{Ci}$) -The basic charge	per piece	1,310	
54	The service for receiving and conveying radioactive wastes and radiation source(North of Hsinchu County and Yilan County)	each time	17,310	
55	The service for receiving and conveying radioactive wastes and radiation source(South of Miaoli County and North of Yunlin County)	each ime	31,310	
56	The service for receiving and conveying radioactive wastes and radiation source(South of Chiayi County)	each time	55,430	
57	The service for receiving and conveying radioactive wastes and radiation source(Hualien County, Taitung County, and isolated lands)	each time	69,750	
58	Administrative fees of payment slips/altered payment slips billed separately	per sheet	310	
59	Administrative fees for re-examamination of discarded radiation source application	per sheet	710	

Remark : 1. $1\text{Ci}=3.7\times 10^{10}\text{Bq}$.

2. Class A radiation source refers to nuclide with a half life of less than 10 years, Class B radiation source refers to nuclide with a half life of not less than 10 years and not more than 500 years, and Class C radiation source refers to nuclide with a half life of not less than 500 years.
3. The fee is charged by single waste application item of single waste source application (discarded radiation sources are charged by pieces), and a payment slip is charged with total fees. When single waste application item is charged by weight or volume (discarded radiation sources are charged by pieces), prices will be calculated as 1 kg or 1 liter if the weight or volume is less than 1 kg or 1 liter.
4. When the application requests to divide one application into different payment slips, each extra payment slip will be charged NT\$310 for additional administrative fee.
When the applicant requests to revise the content of an issued payment slip and re-issuing is therefore required, an additional administrative fee of NT\$310 will be charged for every revision.
5. If the "Sealed Radioactive Material Discard Plan", which attached to the application for receiving and processing of discarded radiation source, is incorrect after INER's examination, the applicant have to correct each plan and to pay NT\$710 for additional re-examination administrative fee of each plan.

Annexed Table 7-1

**Calculation Formula of Preparative Treatment Charge of Noncombustible
Radioactive Wastes (Discarded Radiation Source)**

Unit: NTD/piece

Class of Radiation Source	Calculation Formula	Remark
Class A Discarded Radiation Source($\text{Activity} \geq 80\text{Ci}$)	56,960	1.A: current activity (Ci) of the discarded radiation source. 2. $1\text{Ci} = 3.7 \times 10^{10}\text{Bq}$
Class A Discarded Radiation Source($10 \leq \text{Activity} < 80\text{Ci}$)	$12,960 + 550A$	
Class A Discarded Radiation Source($1 \leq \text{Activity} < 10\text{Ci}$)	$5,560 + 1,290A$	
Class A Discarded Radiation Source($0.1 \leq \text{Activity} < 1\text{Ci}$)	$2,570 + 4,280A$	
Class A Discarded Radiation Source($\text{Activity} < 0.1\text{Ci}$)-The basic charge	1,710	
Class B Discarded Radiation Source($\text{Activity} \geq 10\text{Ci}$)	$6,840 \times (A/10)$	
Class B Discarded Radiation Source($1 \leq \text{Activity} < 10\text{Ci}$)	6,840	
Class B Discarded Radiation Source($0.1 \leq \text{Activity} < 1\text{Ci}$)	5,130	
Class B Discarded Radiation Source($0.01 \leq \text{Activity} < 0.1\text{Ci}$)	3,420	
Class B Discarded Radiation Source($\text{Activity} < 0.01\text{Ci}$) -The basic charge	1,710	
Class C Discarded Radiation Source($\text{Activity} \geq 10\text{Ci}$)	$8,550 \times (A/10)$	
Class C Discarded Radiation Source($1 \leq \text{Activity} < 10\text{Ci}$)	8,550	
Class C Discarded Radiation Source($0.1 \leq \text{Activity} < 1\text{Ci}$)	6,840	
Class C Discarded Radiation Source($0.01 \leq \text{Activity} < 0.1\text{Ci}$)	5,130	
Class C Discarded Radiation Source($0.001 \leq \text{Activity} < 0.01\text{Ci}$)	3,420	
Class C Discarded Radiation Source($\text{Activity} < 0.001\text{Ci}$) -The basic charge	1,710	

Annexed Table 7-2

**Calculation Formula of Conveying and Disassembly Charge of Noncombustible
Radioactive Wastes (Discarded Radiation Source)**

Unit: NTD/pack

Weight per pack (kg)	Charging Formula	Remark
$W < 100$	$640W$	W: weight of the discarded radiation source pack

Annexed Table 7-3

**Calculation Formula of Storage Charge of Noncombustible Radioactive Wastes
(Discarded Radiation Source)**

Unit: NTD/piece

Activity of Radiation Source	Calculation Formula	Remark
Activity $\geq 80\text{Ci}$	$1001y + [y - 50] \times \text{area} \times 4,550$	1001y when $y \leq 50$
$10 \leq \text{Activity} < 80\text{Ci}$	$[521 + 6A] y$	
$1 \leq \text{Activity} < 10\text{Ci}$	$[461 + 12A] y$	
$0.1 \leq \text{Activity} < 1\text{Ci}$	$830 + 452y$	
Activity $< 0.1\text{Ci}$ (The basic charge)	830	
Note:	<p>1.y: years of storage (the time of storage till solidification, year); $y=90$ when $y > 90$</p> $y = \frac{(1 + \log A)}{0.301} \times t_{1/2}$ <p>Calculation of the storage cost for discarded radiation sources with activity ≥ 80 Curie; the storage cost=1,001y when $y \leq 50$.</p> <p>2.The annual storage occupation cost of discarded radiation sources is NT\$1,001 per 0.22m^2.</p> <p>3.A: current Activity(Ci) of discarded radiation source</p> <p>4.$1\text{Ci} = 3.7 \times 10^{10}\text{Bq}$</p> <p>5.$t_{1/2}$: half life</p> <p>6.The basic charge of NTD830 shall be paid when the activity of the discarded radiation source is lower than 0.1Ci or the calculated storage charge is less than NTD830.</p>	

Annexed Table 7-4

Calculation Formula of Final Disposal Charge of Noncombustible Radioactive Wastes (Discarded Radiation Source)

Unit: NTD/piece

Class of Radiation Source	Calculation Formula	Remark
Class A Discarded Radiation Source (Activity ≥ 80Ci)	87,720	1.A: current activity (Ci) of the discarded radiation source. 2.1Ci=3.7×10 ¹⁰ Bq 3.The basic charge of NTD1,310 shall be paid if the calculated final disposal charge is less than NTD1,310.
Class A Discarded Radiation Source (10 ≤ Activity < 80Ci)	1,240 + 1,081A	
Class A Discarded Radiation Source (1 ≤ Activity < 10Ci)		
Class A Discarded Radiation Source (0.1 ≤ Activity < 1Ci)		
Class A Discarded Radiation Source (Activity < 0.1Ci)(The basic charge)	1,310	
Class B Discarded Radiation Source (Activity ≥ 10Ci)	87,720	
Class B Discarded Radiation Source (0.1 ≤ Activity < 10Ci)	440 + 8,728A	
Class B Discarded Radiation Source (Activity < 0.1Ci)(The basic charge)	1,310	
Class C Discarded Radiation Source (Activity ≥ 10Ci)	87,720	
Class C Discarded Radiation Source (0.1 ≤ Activity < 10Ci)	440 + 8,728A	
Class C Discarded Radiation Source (Activity < 0.1Ci)(The basic charge)	1,310	

Annexed Table 7-5

**Table of Charging Standards for the service of receiving and conveying
radioactive wastes and discarded radiation sources**

Unit: NTD

Item	Charging Standard	
North of Hsinchu County and Yilan County	each time	17,310
South of Miaoli County and North of Yunlin County	each time	31,310
South of Chiayi County	each time	55,430
Hualien County, Taitung County, and isolated lands	each time	69,750

Remark :

1. For the service of receiving and conveying radioactive wastes and discarded radiation sources, service fees will be charged in accordance with the above standards. When several companies are served in the same batch, the service fees will be charged and shared by companies listed in the batch.
2. When radioactive wastes and discarded radiation sources are received in areas north of Hsinchu County and Yilan County by small general vehicles, a discount of 25% will be provided.