

Government of India, Atomic Energy Regulatory Board, Niyamak Bhavan, Anushaktinagar, Mumbai 400 094.

Form IV-A(R1) [See Rules 6(vi) & 15(2) of GSR-125]

ANNUAL REPORT OF RADIOACTIVE WASTES DISPOSED/ TRANSFERRED BY SMALL INSTITUTIONS

[To be submitted annually to the competent authority under the Atomic Energy (Safe Disposal of Radioactive Wastes) Rules, 1987]

1. Name & Address of the authorised institution :
2. Reference No. & Date of issuance of AERB's authorisation :
for disposal/ transfer of radioactive wastes/ sealed sources
3. Describe briefly the nature of work in which radioisotopes were used :
4. Details of sealed sources transferred/ returned (for ultimate disposal) during the period
from to

Sr.No.	Description, with Make & Model, of the equipment in which the sealed source was used	Description of decayed source & the radionuclide present	Date when the source was procured	Strength of the source when procured (TBq)	Date of return of the source for disposal	Strength of the source when sent for disposal (TBq)	Is the equipment in use now with a fresh source (8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

5. Name & Address of the original supplier of the above source(s) :
6. Name & Address of the Agency to which the decayed sources were transferred for ultimate disposal :
7. If any other decayed sources are in your possession, give their details :

(e.g. source description, date of acquisition, purpose of acquisition, present strength and proposed date of return for disposal)

8. Details of unsealed radioactive waste disposed by the institution during the period from to

Waste form	General description of items & materials in the waste	Chemical characteristics of the waste	Nature of conditioning (if any) prior to disposal of the waste	Total volume (m ³) of waste after conditioning (e.g. post dilution or after incineration etc.)	Radionuclides and the total activity present in the waste		Mode of disposal **	Whether authorised disposal limits were exceeded during the year ***	Total activity, procured during the year, of each radionuclide		Unused activity of each radionuclide presently held in the stock		Remarks ****
					Nuclide	Activity (MBq)			Nuclide	Activity (MBq)	Nuclide	Activity (MBq)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	11)	(12)	(13)	(14)
Solid													
Liquid													
Gases													

NOTES :-

* Apply appropriate decay corrections to estimate the residual activities present on the date(s) of actual disposal (i.e. burial/ discharge etc.), add together for each radionuclide, and state under column (7) for each waste form separately.

** State as applicable , e.g. (i) burial in pits, (ii) discharge in soak pit, (iii) release into sewerage (iv) incineration or (v) municipal garbage disposal after decay.

*** If yes, attach a report giving (i) details of the incident , (ii) remedial actions taken and (iii) preventive measures adopted to avoid recurrence.

**** If no radioactive waste was disposed during the year, submit a 'Nil' report with reasons.

9. Details of environmental monitoring and radiation surveillance conducted around the waste disposal site(s). [To be submitted if more than 20 GBq (540 mCi) activity was disposed of locally in the form of unsealed waste during the previous one year.]

Sampling Particulars	Nature of samples analysed (which recorded maximum activity concentration)			
	Ground water sample	Soil sample	Air sample	Any other sample (give details)
i) Date of sampling (when maximum activity concentration was recorded)				
ii) Location of sampling*				
iii) Depth from ground level (for water & soil samples) & height from ground level (for air sample)				
iv) Activity concentrations recorded (Bq /ml) (i)Maximum (ii)Annual average				

Remarks				
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* Mark the locations of sampling points and dates of sampling on a sketch, e.g. drawn on page 4, or drawn separately.

10. Draw below a sketch (or attach a separately drawn sketch) showing the environment, upto a radial distance of 200 metres around each of the following, as applicable : (i) location of the burial pit(s), (ii) discharge point of laboratory effluents into the sewerage system, (iii) location of soak pit, (iv) release point of gases from the incinerator and (v) location of the radioisotope laboratory :-

(Note : Do not give the internal layout of the radioisotope laboratory. Indicate only its location.)

We, the undersigned, have submitted this annual report to the Chairman, AERB, as per the terms and conditions of the above referred authorisation for radioactive waste disposal, issued to our institution.

Name & Signature
Name & Signature
of the
of the Radiological
Authorised Applicant
Safety Officer

Name & Signature
of the
Head of the Institution

Date :

Date :

Date :

Seal of the Institution