

## CENTER FOR RADIOISOTOPE FACILITIES



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The technical and supporting staff of the Center for Radioisotope Facilities (CRF) maintain controlled areas in compliance with the law. The CRF is responsible for monitoring the purchase of radioisotopes from JRIA (Japan Radioisotope Association) and the transfer of radioisotope wastes to JRIA.

Ms. Matsuda, Ms. Iinuma, Ms. Ito, and Ms. Kamiya maintained the Myodaiji-Area. Ms. Sawada worked in the Yamate-Area. Dr. Kodama worked in both areas.

The following are CRF's notable activities in 2013.

1. For the Common Facilities building I was repaired, the radiation controlled area of the Myodaiji-Area was closed from April 2013. (Figure 1A)
2. For animal experiments and gene-recombination experiments using radioisotopes during the above repair period, the radioisotope handling rooms were set up at the NIPS building. (Figure 1B)
3. At the Yamate-area, the visual recording system's recorder and monitor expired, and were exchanged. (Figure 1C)

The number of registrants and the number of users from January 2013 to December 2013 are shown in Table 1.

Users and visitors counted by the access control system of the controlled areas numbered 2,653 during this period. The

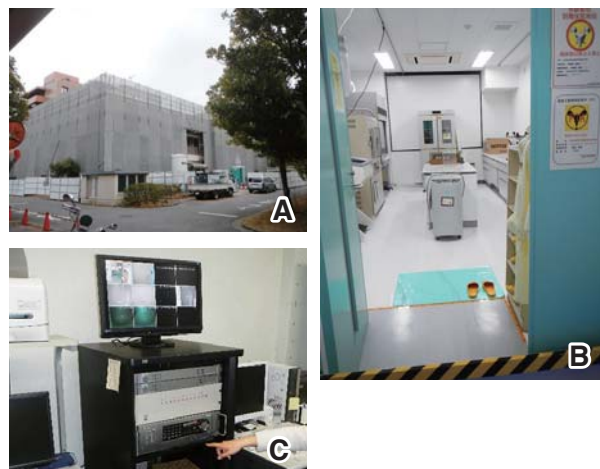


Figure 1. The CRF's notable activities in 2013

A: The common facilities building was repaired.

B: The radioisotope handling room set up (NIPS building, room No.248)

C: The visual recording system of the controlled areas was updated.

radioisotope handling rooms' users and visitors counted by record sheet numbered 292. The numbers for each area are shown in Table 2. The annual changes of registrants and the number of totals per fiscal year are shown in Figure 2. The balance of radioisotopes received and used at the CRF is shown in Table 3. The training courses on radioisotope handling were given as in Table 4.

	Myodaiji-Area	Yamate-Area
registrants	90	86
users	40	28

Table 1. Numbers of registrants and users at Myodaiji-Area and Yamate-Area in 2013

	Myodaiji-Area	Yamate-Area	total	radioisotope handling room
users	965	775	1740	274
visitors	746	167	913	18
total	1711	942	2653	292

Table 2. Users and visitors who entered each controlled area and radioisotope handling room in 2013

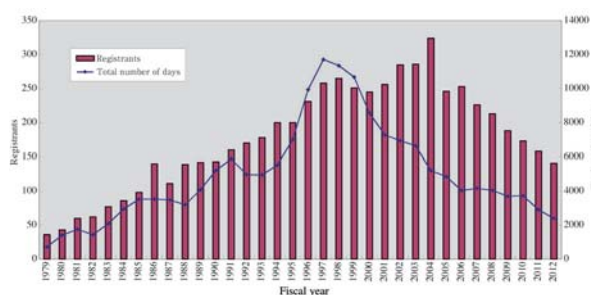


Figure 2. Annual changes of registrants and number of totals per fiscal year

	Myodaiji-Area	Yamate-Area	total
	controlled area	radioisotope handling room	
<sup>125</sup> I Received	74000	148330	222330
<sup>125</sup> I Used	55500	129830	185330
<sup>32</sup> S Received	0	222000	222000
<sup>32</sup> S Used	0	133200	133200
<sup>32</sup> P Received	38500	77000	115500
<sup>32</sup> P Used	24210	40800	65010
<sup>14</sup> C Received	37000	220428	257428
<sup>14</sup> C Used	4163	52	57495
<sup>3</sup> H Received	83250	8688290	8771540
<sup>3</sup> H Used	71052	5550074	5632966

Table 3. Balance of radioisotopes received and used (kBq) at each controlled area and radioisotope handling area in 2013

training course	place	numbers of participant
introductory course for beginners*	Myodaiji	1
introductory course for beginners*	Yamate	3
introductory course for experts	Myodaiji	12
introductory course for experts	Yamate	29
Users training course*	Myodaiji	67
Users training course	Yamate	49

\*including English course

Table 4. Training courses for radiation workers in 2013