

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 the Japan Radioisotope Association (JRIA) and the transfer of radioisotope wastes to JRIA.

Ms. Matsuda, Ms. Inuma and Ms. Hayashi maintained the Myodaiji area. Ms. Sawada worked in the Yamate area. Dr. Kodama worked in both areas.

The following are the CRF's notable activities in 2017.

1. The CRF usage charge system was started.

At April 2017, the users of the CRF must pay the facility usage charge which equals the disposal cost of radioactive wastes generated in the user's experiment or in the decontamination processes of the contamination apparently caused by the user. The CRF prepared each laboratory's radioactive waste container. (Figure 1A)

2. The "User's guide" in English was renewed.

Main points changed were the explanation and the documents about the CRF usage charge.

3. The CRF website was renewed.

The main point changed was the usage of new web design software, which allows users to access the contents more conveniently <http://www.nibb.ac.jp/ricenter/> (Figure 1B)

The number of registrants and the number of users from January 2017 to December 2017 are shown in Table 1.

Users and visitors counted by the access control system of the controlled areas numbered 1,302 during this period. 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. Yamate area storage radioisotopes were transferred to the storage



Figure 1. The CRF's notable activities in 2017.

A: the radioactive waste containers for each laboratory.

B: renewal of website of the CRF

room in Myodaiji area for saving energy at Summer 2017. As the result, radioisotopes received apparently increased. But the new radioisotope received and radioisotope experimental handling user was only 1 at the Myodaiji-area from April 2017. The training courses on radioisotope handling were given as in Table 4.

	Myodaiji Area	Yamate Area
Registrants	47	43
Users	21	24

Table 1. Numbers of registrants and users at Myodaiji area and Yamate area in 2017.

	Myodaiji Area	Yamate Area	Total
Users	527	488	1,015
Visitors	125	162	287
Total	652	650	1,302

Table 2. Users and visitors who entered each controlled area in 2017.

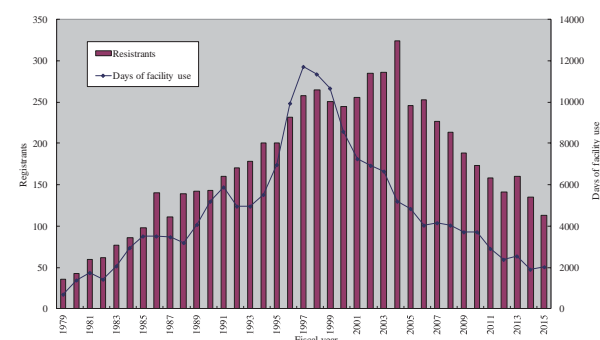


Figure 2. Annual changes of registrants and days of facility use per fiscal year.

	Myodaiji Area	Yamate Area	Total
¹²⁵ I Received	111	221	332
¹²⁵ I Used	0	3,329	3,329
³⁵ S Received	73,186	0	73,186
³⁵ S Used	0	25,438	25,438
³² P Received	9,250	9,250	18,500
³² P Used	9,250	9,250	18,500
¹⁴ C Received	3,913	3,913	7,827
¹⁴ C Used	2,079	0	2,079
³ H Received	676,104	676,104	1,352,209
³ H Used	1,480	933,917	935,397

Table 3. Balance of radioisotopes received and used (kBq) at each controlled area in 2017.

training course	place	numbers of particip
Introductory course for beginners	Myodaiji	1
Introductory course for beginners	Yamate	1
Introductory course for experts	Myodaiji	2
Introductory course for experts	Yamate	2
Users training course*	Myodaiji	39
Users training course	Yamate	31

*including English course

Table 4. Training courses for radiation workers in 2017.