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ATCM XXVIII

XXVIII ANTARCTIC TREATY
CONSULTATIVE MEETING

XXVIII TRAITÉ SUR L'ANTARCTIQUE
RÉUNION CONSULTATIVE

XXVIII TRATADO ANTÁRTICO
REUNIÓN CONSULTIVA

XXVIII ДОГОВОР ОБ АНТАРКТИКЕ
КОНСУЛЬТАТИВНОЕ СОВЕЩАНИЕ

IP 102

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**ANNUAL REPORT PURSUANT TO THE ARTICLE 17 OF
THE PROTOCOL ON ENVIRONMENTAL PROTECTION
TO THE ANTARCTIC TREATY**

Japan

2004/2005 Season

1. Notification pursuant to Article 13(1),(2) of the Protocol on Environmental Protection to the Antarctic Treaty

A law that ensures implementation of the Protocol in Japan, the Law relating to Protection of the Environment in Antarctica (Antarctic Environment Law) was promulgated in the gazette on 28th May 1997 and entered into force on 14th January 1998 at the same time the Protocol itself entered into force, in Japan.

The Cabinet Ordinance for enforcing the Antarctic Environment Law and the Prime Minister's Office Ordinance for enforcing the Antarctic Environment Law was promulgated in the gazettes between July and September 1997.

The instrument of acceptance of the Protocol was received by the Government of the USA on December 15th 1997. The text of the Antarctic Environment Law is available from:

<<http://www.env.go.jp/en/lar/antarctica/index.html>>

Japan distributes a pamphlet "Antarctica" and established website, including summary of procedures for visiting Antarctica, natural environment in Antarctica, and the history of Japanese Antarctic Research. The website is available from:

<http://www.env.go.jp/earth/nankyoku/kankyohogo_en/index.html>

2. Contingency plans established in accordance with Article 15 of the Protocol

Syowa Station Oil Spill Contingency Plan was finalised in 1996 according to the COMNAP guidelines. That plan (Japanese version) is available from:

Environment Planning Unit, Planning Section, Office of Polar Expeditions, National Institute of Polar Research(NIPR)
1-9-10 Kaga, Itabashi-ku, Tokyo 173-8515, Japan
tel : +81-3-3962-0548

3. Other notifications and information called for pursuant to the Protocol

Please see the Annex.

ANNEX

3-1. Report pursuant to Annex I, Article 6 (1) of the Environmental Protocol

3-1-1. Procedures to consider the environmental impacts of proposed activities in Antarctica (the Annex I, Article 6 (1a) of the Protocol)

No person shall engage in any activity in Antarctica other than Antarctic Activities that has been certified by the Minister of the Environment as satisfying the conditions to protect the Environment in Antarctica in accordance with Annex I of the Environmental Protocol (We call this „Certification System”). This, however, does not apply to Specified Activities such as the sailing of ships or flying of aircraft etc.

The summary of the Procedures of „Certification System”:

http://www.env.go.jp/earth/nankyoku/kankyohogo_en/houmon_en/index.html

Further information can be obtained at the following address:

Antarctic Section, Global Environment Issues Division, Global Environment Bureau
Ministry of the Environment
1-2-2 Kasumigaseki, Chiyoda-ku, Tokyo, 100-8975 Japan
tel : +81-3-3581-3351 / E-mail: antarctic@env.go.jp

3-1-2. List of Initial Environmental Evaluations developed in accordance with Article 2 and decisions taken (Annex I, Article 6 (1b) of the Protocol and also ATCM Resolution 6 (1995))

During the 2004/2005 season, some Initial Environmental Evaluations (IEE) were prepared in accordance with Annex I, Article 2 of the Protocol on Environmental Protection to the Antarctic Treaty. The Annual list of IEE is provided in following table.

The List of IEE submitted to the Minister of the Environment, Japan

The title of the IEE	Location	Organization	Date certificated	Decision under domestic law
IEE on the extension of the ground line of the Ionospheric Observation Building at Syowa station	Syowa Station (69° 00' S, 39° 35' E)	The Director General of Japanese Antarctic Research Expedition (the Minister of Education, Culture, Sports, Science and Technology)	8th Nov. 2004	All the proposed activities were certified by Minister of the Environment as having no more than a minor or transitory impact.
IEE on the installation and the operation of the interferometric antennas of the HF radar at Syowa station				
IEE on the construction of the observation hut for the Stereo HF radar operation				
IEE on the constructions of new facilities at Syowa station (Installations of a fuel pipe, tanks, a wind turbine and electric wire)				
IEE on the civil engineering and construction works in the summer season (Constructions of a garage, bank for oil spill prevention and a small hut for an incinerator, and production of concrete)				

3-1-3. Significant information obtained, and any action taken in consequence thereof, from procedures put in place in accordance with, Annex I, Articles 2(2) and 5 of the Protocol (Annex I, Article 6 (1c))

During the 2003/2004 season, no significant information was obtained from procedures put in place in accordance with the provisions of Annex I of the Protocol.

3-1-4. Information referred to in Article 3 (6) on Comprehensive Environmental Evaluations (Annex I, Article 6 (1d))

During the 2003/2004 season, no draft CEEs or final CEEs was prepared for Japanese activities in Antarctica.

3-2. Report pursuant to Annex II, Article 6 of the Environmental Protocol

3-2-1. Steps taken pursuant to Annex II, Article 6(1) of the Protocol

The Ministry of the Environment obtains the information on Annex II, Article 6(1) of the Protocol through Certification System mentioned in the section 3-3-1.

3-2-2. Number and nature of permits issued under Annex II of the Protocol during the 2004/2005 season (Annex II, Article 6 (2) of the Protocol)

The following permits were issued under Annex II of the Protocol during the 2003/2004 season.

Number and Nature of Permits issued under Annex II

Number	Specie	Contents	Location	Number/Amount permitted	Supervisor	Date certificated	Number/Amount actually taken
1	Weddell Seal	Attaching data loggers, tags and blood sampling (catch and release)	Soya Coast (69° 00' S, 39° 00' E)	100 (including 20 data loggers and blood sampling)	The Director General of Japanese Antarctic Research Expedition (the Minister of Education, Culture, Sports, Science and Technology)	13th Nov. 2003	45 (including 20 data loggers and blood sampling)
2	Adelie Penguin	Catch and release after taking its blood, feather and dung	Fukuroura, Langhovde, Soya Coast (69° 12' 50" S, 39° 38' 00" E)	100		11th Nov. 2004	85
3	Adelie Penguin	Attaching data loggers (catch and release)	Fukuroura, Langhovde, Soya Coast (69° 12' 50" S, 39° 38' 00" E)	80 (80 is out of above mentioned 100)		80 (80 is out of above mentioned 100)	
4	Mosses, algae and bacteria (Bryum pseudotriquetrum, Leptobryum)	Sampling Mosses for research on structure of the ecosystem of lakes on the Antarctica	in and around the lakes at Soya Coast; Skarvsnes (69° 28' S, 39° 40' E), West Ongul Is. (69° 01' S, 39° 36' E), Yukidori Valley, Langhovde (69° 14' S, 39° 43' E)	7kg (dry weight) (in lakes 5kg, around lakes 1kg, in ASPA 1kg)		6 (in ASPA 0kg)	
5	Mosses, algae and bacteria (Bryum pseudotriquetrum, Leptobryum)	Sampling Mosses for long-term monitoring of the ecosystem of the lands in the Antarctica	in and around the lakes at Soya Coast; Ongulkalven, East and West Ongul Is., Yukidori Valley, Langhovde	2kg (dry weight) (in ASPA 1kg, other than in ASPA 1kg)		0 (in ASPA 0kg)	

3-3. Report pursuant to Annex III, Article 9 of the Environmental Protocol

3-3-1. Waste Management Plans Prepared in Accordance with Annex III, Article 8(2) of the Protocol (Annex III, Article 9 (1) of the Protocol)

(1) Syowa Station

1. The Japanese Antarctic Research Expedition (JARE) introduced the Cord of Conduct about Waste Management(which is refferred in the „Directory of Syowa Station”) to implement necessary operating procedures such as segregation, disposal and management of wastes after the Madrid Protocol was completed in 1991.

According to the Cord of Conduct, some combustible wastes are incinerated and sewage and grey water are treated by the biological treatment plant and its sludge is carbonized into charcoal. The ash, the charcoal and other wastes are brought back to Japan.

2. Larger wastes such as snow vehicles, trucks and building materials stored at Syowa Station are also brought back to Japan every year according to the Clean-up Operation Plan which is completely revised in 2004/5 season.

3.However, comprehensive waste management plan which fully meets the requirment pursuant to AnnexIII,Article 8 (2) ,(a)(b)(c)(d)of the Protocol is during preparation.

(2) Dome Fuji

JARE has not yet completed the Waste Management plan which fully meets the requirment pursuant to AnnexIII,Article 8 (2) ,(a)(b)(c)(d) with regards to Dome Fuji. Wastes produced from the present activities are disposed according to Antarctic Environment Law.

3-3-2. Report on implementation of waste management plan (Annex III, Article 9 (1) of the Protocol)

The Japanese Antarctic Research Expedition brought wastes back to Japan as the appendix during the 2004/2005 season. Discription of wastes is following the waste disposal classification system pursuant to Annex III, Article 8(1) of the Protocol.

3-3-3. Inventory of Past Activities in accordance with Annex III, Article 8 (3) of the Environmental Protocol (Annex III, Article 9 (1) of the Protocol)

Station Name	Type of Activity	Period of Occupation	Average level of Activity	Remnants & Date last visited	Disposal plans & dates
Mizuho (70° 42' S, 44° 20' E)	Scientific observation	From July 1970 to present	4 times × 8 persons / yr	2005 summer	None planned
Asuka (71° 32' S, 24° 08' E)	Scientific observation	From January 1985 to present	Now temporarily closed	2004 the end of Nov.~ beginning of Dec.	None planned

APPENDIX List of wastes from Antarctica

Category and Type	Disposal method	Quantity
Group 1— Sewage and Domestic Liquids		
Sewage (from summer accommodation)	Diluted and discharged into Sea	802kl
Sewage and Grey water (from winter accommodation)	Biologically treated (Contact aeration process) and discharged into Sea	2,470kl
Sludge	Carbonized and brought back to	1,620kg
Group 2— Other liquid chemicals & waste (including fuels & lubricants) kg		
Photographic chemicals	Removed and brought back to Japan	—
Other liquid chemicals	Removed and brought back to Japan	1,640
Lubricants	Removed and brought back to Japan	—
Waste oil	Removed and brought back to Japan	7615kg
Group 3— Combustible wastes kg		
Paper products and wooden fragments	Incinerated	—
Corrugated carton and books	Removed and brought back to Japan	7,335
Untreated wood	Removed and brought back to Japan	16,480
Food scraps	Carbonized and brought back to	1,030
Polyurethane & polystyrene foams	Removed and brought back to Japan	6,752
Rubber	Removed and brought back to Japan	475
Bedding, cloth	Removed and brought back to Japan	605
Medical waste	Removed and brought back to Japan	730
Group 4— Other solid wastes kg		
Glass	Removed and brought back to Japan	2,788
Metal cans	Removed and brought back to Japan	4,925
Aluminium cans	Removed and brought back to Japan	2,392
Building waste	Removed and brought back to Japan	—
Scrap iron	Removed and brought back to Japan	91,260
Aluminium foil	Removed and brought back to Japan	—
Vehicles	Removed and brought back to Japan	12,600
Batteries	Removed and brought back to Japan	1,650
Non - liquid chemicals	Removed and brought back to Japan	—
Incinerator ash	Removed and brought back to Japan	5,900
Charcoal made from food scrap	Removed and brought back to Japan	330
Other solid wastes	Removed and brought back to Japan	48,623
Unopened waste food	Removed and brought back to Japan	1,205
Waste fluorescent light bulbs	Removed and brought back to Japan	—
Group 5— Radioactive material		
none	—	

3-4. Report pursuant to Annex V, Article 10 of the Protocol

3-4-1. Number and nature of permits issued under Annex V of the Protocol during the 2003/2004 season (Annex V, Article 10 (2) of the Protocol)

The following permits were issued under Annex V of the Protocol during the 2003/2004 season.

Number and Nature of Permits issued under Annex V

Activity Number	ASPAs No. and Location	Purpose	Number of the person to whom the Ministry of the Environment issued the	Period Permitted	Date Permitted	Number of persons who actually entered into	Period actually entered
1	ASPAs No.141 Yukidori Valley, Langhovde (69° 14' S, 39° 43' E)	Research(sampling mosses, algae and bacteria, etc)for the purpose of elucidating the ecosystem of the lakes in Antarctica.	12(※)	60 days between 17th Dec. 2004 to 15th Feb. 2005	8th Nov. 2004	7	3th to 6th Jan. 2005
2	ASPAs No.141 Yukidori Valley, Langhovde (69° 14' S, 39° 43' E)	Long-term monitoring in the Antarctic Specially Protected Area No.141(Yukidori Valley, Langhovde)	12	15 days between the middle of Dec. 2004 to the middle of Feb. 2005.	8th Nov. 2004	3	4th to 6th Feb. 2005

※Permission is issued to each person who participate in the Antarctic Activities in which the permission under Annex V is needed.

3-4-2. Summary descriptions of activities conducted in ASMA or ASPA (Annex V, Article 10 (3) of the Protocol)

See 3-4-1 above.

3-4-3. Measures taken to implement the provisions of Annex V (Annex V, Article 10 (4) of the Protocol)

Japan ensure the implementation of the regulation in Annex V, which are relevant to the ASPA, HSM, and the management plan of ASPA through enactment of Antarctic Environment Law.

Visitors who have been permitted to enter ASPA during the 2004/2005 season, are obliged to submit a visit report.

The Ministry of the Environment amend partially the Enforcement Ordinance of the Law Relating to Protection of the Environment in Antarctica to implement Measures 1,2,3(2004) adopted in ATCM27.