

Trial of construction of HACCP for food safety and security in Nara Prefecture of Japan

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Abstract:

HACCP has spread globally as an international standard system of food hygiene management. On securing the safety and security of the food, which prevent the food poisoning, it is the indispensable subject in the food business of our country to practice the process control by HACCP.

While "Japanese revival strategy named to JAPAN is BACK" focused the introduction of TPP was carried out in June, 2013 by Cabinet decision, the spread and promotion of HACCP to the safety standards of the agriculture-and-forestry marine product and foods will be necessary in the planning of export promotion in food field.

Nara is one of the sightseeing prefectures (Nara prefecture is consisted of many sightseeing places). Many tourists of inside and/or outside of the country will be coming to Nara. Therefore, Guarantee of the safety in the agriculture-and-forestry marine product, the general food, and the food restaurants (food of the store which offers cooking) supplying in Nara prefecture is an important problem. The construction of good environment, which the consumer used comfortably, will be important duty for many persons engaging in the food field of Nara Prefecture.

In the present situation, a non-profit organization (NPO) Nara HACCP study group under the progress of the introduction and the spread activities of HACCP in Nara Prefecture will be explained. NPO is the cooperation organization between Nara food hygiene association and Nara Co-op. We would like to introduce the details as the promotion model of original HACCP in Nara.

Based on the above, in this time the motivation of HACCP activities, the beginning and the details of this activity, the independent activities, and the future plan of NPO Nara HACCP study group, are introduced.

Keywords: Construction of HACCP, Food safety, Food security, Nara Prefecture of Japan

1. The motivation of recognition institutions of the hazard analysis critical control point (HACCP)

There is only one company (two factories), using HACCP system in Nara Prefecture. The authorization company possessing high advanced plan about HACCP support method is very few comparing with other prefectures. In addition, few opening special study session concerning about HACCP is held within Nara prefecture, many food business have gone out the other prefectures for the receiving seminar or workshop by paying the transportation fee and the attendance fee.

In this situation, on the Nara food hygiene association (public corporations), the necessity of the specialized education about HACCP by the committee members (20 persons) was necessary for performance of the support work based on the food hygiene inspection system instruction plan based on HACCP of Nara Prefecture.

Moreover, in a Nara Co-op, the contribution to local community is a mission, which is made as a basic policy. In addition, the necessity for local supply and consumption was also advocated. HACCP was the basic policy of the co-op to improve the health, the quality control level of food safety, security of local agriculture-and-forestry marine product and the processed foods and food business within Nara prefecture.

In order to reach agreement with the measure of HACCP, and both organization may collaborate and attain purposes and ideas in this way, the establishment of HACCP organization within Nara prefecture was advanced on the support of cornering sections of Nara Prefecture.

2. Beginning and Progress of the Measure

Nara Prefecture has organized "the Nara food

safety and security conference" (social meeting) which "reflecting the opinion of the people of the prefecture in decision of the measure about reservation of the food safety from each representation". Nara food hygiene association (public corporations) participated as the representative of the food production and Nara Co-op also attended as the representative of committee of the production trading position.

The social meeting was held twice per year. Several questions and answers are given about the measure (the food hygiene inspection system instruction plan at a given fiscal year), result about food safety and security of Nara Prefecture, explanation of the subject at the time, and the proposal matter from the committee members.

The measure of HACCP was discussed friendly in the 10th meeting held in September, 2008. The booklet about HACCP entitled "The food safety and security which cooperated with us" was published by the expert committee members.

In the 12th meeting held in November, 2009, the committee members proposed the necessity of establishment of the food hygiene management system and the HACCP standard plan of Nara Prefecture was presented.

As shown in Table 1, a proposal and a report of this subject were positively performed in "the report of holding progress of spontaneous HACCP study session" and each time shown in Table 1 "an establishment request of a Nara version mini HACCP system."

After the first proposal, through the committee meeting in four years (9 times) the friendly discussion was performed, and it determined that the direction of establishment of tentative system and a plan about the original HACCP authorization system on Nara Prefecture will be made in 20th meeting held in September, 2009.

Table 1. Programs of Subject concerning about Main HACCP in Nara Food Safety and Security Meeting

Meeting day	Main selected theme concerning HACCP	Remarks
10 th (March, 2008)	Publication of book entitled “ ”(Situation of introduction in our prefecture, theme and future plan)	Introduction of activities of food safety and security from farm to distribution field in Nara prefecture
11 th (March, 2009)	Preparation of document to the consumer about food safety and security; and opening proposal of seminar	The thing of the contents like an explanatory of the booklet of the 10th publication
12 th (November, 2009)	Opening proposal of executive workshop of HACCP The establishment proposal of a Nara mini HACCP recognition system The establishment proposal of the ordinance about the food safety of Nara Prefecture	Subject institution was carried out as a proposal and exchange of opinions also of any was carried out about the possibility and the problem of realization.

13 th (March, 2010)	HACCP executive workshop re-opening proposal The establishment proposal of the ordinance about the food safety of Nara Prefecture The subject of the present condition of GAP (Good Agricultural Practice) in Nara Prefecture	About the executive workshop, the holding proposal by the Nara food hygiene association was made.
14 th (November, 2010)	Re-establishment proposal of the ordinance about the food safety of Nara Prefecture Present condition explanation of the safe and safe measure of the agricultural products of Nara Prefecture	<ul style="list-style-type: none"> • A tie-up proposal etc. with the Ministry of Agriculture and Forestry office • The proposal of risk communication such as a seminar
15 th (March, 2011)	The opinion proposal to the Nara food sanitation inspection system instruction plan (proposal) in the Heisei 23 fiscal year The proposal of risk communication of the security of the production site of agricultural and livestock products	<ul style="list-style-type: none"> • Including the relation with HACCP • Proposal of concrete plan such as symposium
16 th (September, 2011)	Explanation of 2nd HACCP study session, a request of support of a gathering for friendly discussion A report and evaluation of 1st HACCP study session of a holding result	<ul style="list-style-type: none"> • Support of 2nd HACC workshop • Including HACCP study group concept proposal
17 th (March, 2012)	A report and evaluation of 2nd HACCP study session of a holding result The starting proposal and exchange of opinions of the Nara HACCP study group	Construction plan of HACCP research group on the extended line of HACCP workshop
18 th (September, 2012)	A report and evaluation of 3rd HACCP study session of a holding result Exchange of opinions about the subject of a Nara mini HACCP system	HACCP system of Nara Prefecture and debate of a problem which will be desired in the future
19 th (March, 2013)	A report and evaluation of 4th HACCP study session of a holding result Presentation of the Nara HACCP study group fundamental plan proposal, explanation The construction proposal and exchange of opinions of a right prefectural version HACCP attestation system	Comprehension by which a study group is entitled Nara Prefecture A study group considers institutionalization towards examination and attestation, and Nara Prefecture recognizing.
20 th September, 2013)	A report and evaluation of the HACCP study session in the H 25 fiscal year of the conclusion of a result Explanation of the HACCP study session holding point by the Ministry of Agriculture, Forestry, and Fishery subsidy The request of establishment of a Nara version mini HACCP recognition system etc.	Based on the orientation at the time of the 19th gatherings for friendly discussion, an institutionalization design will be tackled in a Nara version HACCP recognition system.

3. Independent Trial Activity

In parallel to the proposal and/or the report activities, between Nara food hygiene association (public corporations) and Nara Co-op, the basic education study session about HACCP was held the twice per year (4 times) from July, 2011.

The appeal to participants for study session was performed with the receiver's address (public corporations) of "technical newsletter" of the Nara industrial development synthesis center, the members of Nara food hygiene association and the customer of food production companies of Nara Co-op.

In holding of study session, we have started

with Nara Prefecture HACCP society (a private organization). The HACCP introduction training meeting (Open lecture, a day) and the leader training meeting (3 times, every continuousness three weeks) were held at July and August 2013 by the subsidy of the Ministry of Agriculture, Forestry and Fisheries (refer Table 2). There were many participants in the above-mentioned training meeting.

From the participant, there were many opinions that importance of HACCP has well understood and the participant members would try to their company understands about the performance of HACCP. We think that the satisfactory results were obtained. This is valuable to continue to this HACCP promotion activity.

Table 2. Opening points of HACCP Workshop from 2011 to 2013 year

Times	Opening day	Name of workshop	Theme and Lecturer	Participants	Remarks
First	26 th June, 2011	Challenge from the basic program of food hygiene to the practice of HACCP (Basic edition)	5 theme 5 person	41 person	
Second	15 th November, 2011	Challenge from the basic program of food hygiene to the practice of HACCP (Practice edition)	6 theme 6 person	42 person	
Third	20 th June, 2012	How to introduction of HACCP ? (Trial and introduction case in Nara Prefecture)	7 theme 7 person	43 person	
Forth	30 th November, 2012	How to introduction of HACCP ? (Base and practice of precondition program)	6 theme 6 person	45 person	
Fifth	21 st August, 2013	Nara Prefecture HACCP Introduction Workshop	6 theme 6 person	55 person	Carried out by the support of Ministry of Agriculture, Forestry, and Fisheries in 2013.
Sixth	28 th August, 4 and 11 September, 2013	Nara Prefecture HACCP Reader Training Workshop	13theme 7 person	38 person	Carried out by the support of Ministry of Agriculture, Forestry, and Fisheries in 2013.

Opening place: Nara Prefecture Institute of Industrial Development (Former Nara Prefecture Institute of Industrial Technology)

4. Nonprofit Organization (NPO) Nara Prefecture HACCP Study Group

The Nara HACCP study group which will establish the improvement in the food safety in inauguration of an NPO Nara HACCP study group, activation of industry and local symbiosis decided that higher reliability, continuity, and continued existence are considered as necessity, and establish the application of a non-profit organization (NPO).

Chairman of the board of director is Yoshikazu Sakagami, vice president of Society for Antibacterial and Antifungal Agents, Japan (also a professor of the Kinki University agricultural department). Vice president of Hideo Okayama is the president of Nara food hygiene association (public corporations). The main establishment

purpose is "bottom up of the health and the quality control level of the Nara food business planned", "The private complement of spread and education of the HACCP technique of publication is aimed at in the Nara food hygiene inspection system instruction plan", and various required related papers were drawn up, registered completely and established to Nara Prefecture on presentation at 3 February, 2014, and finished the registration.

We think that it can be completed on the private position over the HACCP related system in Nara Prefecture due to institutionalize in the future.

The specific activity purpose and main enterprise in our NPO activities are shown in Table 3 and Table 4, respectively.

Table 3. The purpose of activity on NPO Nara HACCP study group

(1) Based on the plan of HACCP, which our country promotes this organization try to bottom-up the health and the quality control level of the food business in Nara by opening of holding the study session. In production sites such as an agriculture-and-forestry marine product in Nara prefecture, the keeping of food safety and security by HACCP would be tried. This organization contributes to keep the international level concerning about the safety by HACCPs (GAP is included) such as an agriculture-and-forestry marine product and food in Nara prefecture.

Table 4. Project of NPO Nara HACCP Workshop

- (1) Presentation of latest (new) information about the food safety and security
 (2) Opening of the study session about HACCP and the issue enterprise of an attendance vote

The following enterprises are scheduled to perform two above-mentioned enterprises.

- ① The presentation of latest information concerning about the food safety and security, the food hygiene management, and food safety management system

- ② Opening of the study session about HACCP and the registration of Nara food hygiene management system concerning holding business
 - ③ Creation instruction of HACCP related data, and the opening enterprise of the creation exercise and the presentation meeting
 - ④ Enforcement enterprise of the training in factory concerning HACCP introduction
 - ⑤ Opening enterprise of the inspection meeting of HACCP introduced factory
 - ⑥ Performance of the enterprise of above-mentioned ③~⑤ about the Nara food hygiene management system concerning HACCP
 - ⑦ The interchange program of the members and the related companies
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5. Future plan (Future ambition)

The future trial of HACCP in our country has a high promotion of improving introduction and the food business companies were shown the registration of the announcement meaning in December 2013 [1].

Moreover, we think that the local adhesion type measure, which has firmly a sense of purpose and promotion through the manager of food business HACCP - tackles. It is tackled on the basis of the detailed cooperation with a local governing body and is required the measure especially in food business recognized the situation in and outside the country.

The persons concerned engaged in food of Nara Prefecture must keep the heavy responsibility of the food safety and security to people living in Nara prefecture and Nara visiting tourist from the outside of the country as sightseeing prefecture. Based on 5 times study session, we would like to aim to contribute the measure of HACCP which country and Nara Prefecture will advance in the future NPO activity. Moreover, we hope that our trial would become to a model to contribute construct a model measure, this is our pleasure if the future district food hygiene association and local purchase co-op in other prefectures become one model which carried out the collaboration aiming the introduction and spreading HACCPs. And we also hope that our trial will contribute the local community promotion model.

References

- [1] Ministry of Health, Labour and Welfare medicine food office food safe part Inspection and Safety Division; "investigative commission and Middle adjustment for the spread of process control by HACCP in food manufacture", and Ministry of Health, Labour and Welfare homepage, 1~12 (December, 2012)