Miyama city biomass center



"Refrain" means "repeating the phrases in rhymes or songs" in French.

Now it was named, imagining the base to build the circulating city making effective use of raw refuse, etc., which are currently processed as garbage.





Introduction of the illustration of kusuppi and heike's isolated cherry tree

Heike's isolated cherry tree, which has been observing the progress of nature-rich miyama city for a long time.

He is very glad that the biomass center, which symbolizes the circulating society, was built just below the eyes. "well, to celebrate, i bless my magic petals on all over the field." "kusuppi, are you ready?" "yes, sir." The petals released by the isolated cherry are flying in large quantity towards kusuppi. As they get closer to kusuppi, the petals gradually turn into pink particles to fall on the ground.

The farm products of miyama which received them are full of vitality. Kusuppi goes here and there around miyama city to deliver cheers.



Let's create the cycle of resource circulation

Owing to the inhabitants' effort of sorting raw refuse, Miyama city biomass center "Refrain" has come to operate and process raw refuse into organic liquid fertilizer. Then rice and vegetables grown with the fertilizer are served on tables, thereby creating the "cycle" of resource circulation.



Supplying local farm products Farm products grown with the liquid fertilizer are used in school canteen and at-home dining tables.



Return of liquid fertilizer to farms Liquid fertilizer "Minorun" is utilized, as an excellent organic fertilizer, in growing rice crops and wheats.









Satellite storage tank for liquid fertilizer



Morito Matsushima, mayor of Miyama city

children. cooperation.

Miyama city biomass center "Refrain" is, unlike conventional waste processing plants, a facility to utilize raw refuse, etc. As biomass resource. Moreover, it is a facility to learn about recycling society, etc., safe and trusted local food material, and for local people to gather in and take a rest, working as a base for

> Sorting raw refuse Many kinds of domestic and industrial raw refuse are separated.



Satellite storage tank for liquid fertilizer

Ferment to make them into liquid fertilizer Liquid fertilizer and electric power are generated in the biomass center. are separated.



After 7 years since the beginning of the plan, we completed building biomass center, owing to the citizen's contribution.

Miyama city biomass center "Refrain," which was established by utilizing the former Yamakawa-nanbu elementary school, which was abolished in march, 2016. we are going to prepare an inspection and training room, food processing facility, café, and shared offices in the school building. We are also going to prepare various facilities to be full of life, making it an appropriate base of new town development. Sorting wastes and utilizing them as resources, creating energy and food locally and consuming them locally; this kind of individual behavior brings about preferable cycle, thereby build better future for

I will continue endeavoring to build an eco-friendly town, with united hearts with citizens. I would be grateful for your continued

With the methanogen power, raw refuse and human waste transform into energy and fertilizer!

Biomass Center is a secret weapon in turning raw refuse, etc. into resources. In its mechanism, microorganisms (methanogen) decompose raw refuse, etc. in the tank and create bio-gas and organic fertilizer.





We introduce major facilities of the biomass center.

Preprocessing facility

Domestic raw waste, industrial raw refuse, food factory residue, food factory sludge



Refuse-receiving room



Raw refuse crushing and sorting device

Refuse-receiving room

Digestion liquid storage

Human waste and Johkasou sludge



Impurity removal device



Digestion liquid reservoir



Digestion liquid tank

Biogas purification / power generation facility



Gas holder / residual gas combustion facility



Biogas power generator

Deodorization facility

Waste water tratment facility



Central monitoring room



Active carbon deodorization tower



Biological deodorization tower / chemical deodorization tower

Central monitoring room



Control room and training room are prepared by reforming the building of former yamakawa nanbu elementary school.





Miyama city biomass center "Refrain"

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Business entity



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施工監理

株式会社日建技術コンサルタント

Access

Getting off Miyama-Yanagawa

Interchange, drive from Prefectural

Route 775 to National Route 443, and

turn to the left at Yoshii Intersection to

go south. Then you can see the Biomass Center a little ahead from Monomizuka

〒812-0024 福岡県福岡市博多区編場町8番23号 Tel. 092-263-5455 / Fax. 092-263-5257

Signal.

