

P.R. Organics Education Internship 2012

Polytechnic University Team

Objectives

- Teach and aware School students about the solid waste problem in Puerto Rico and how they can help reduce this problem.
- Install them a compost bin so they can deviate part of their lunch room food waste.

Vermicompost Bin Construction



Traditional Compost Bin Construction



Traditional Compost Bin



Location of the Selected School

- This School is located in Cayey Puerto Rico

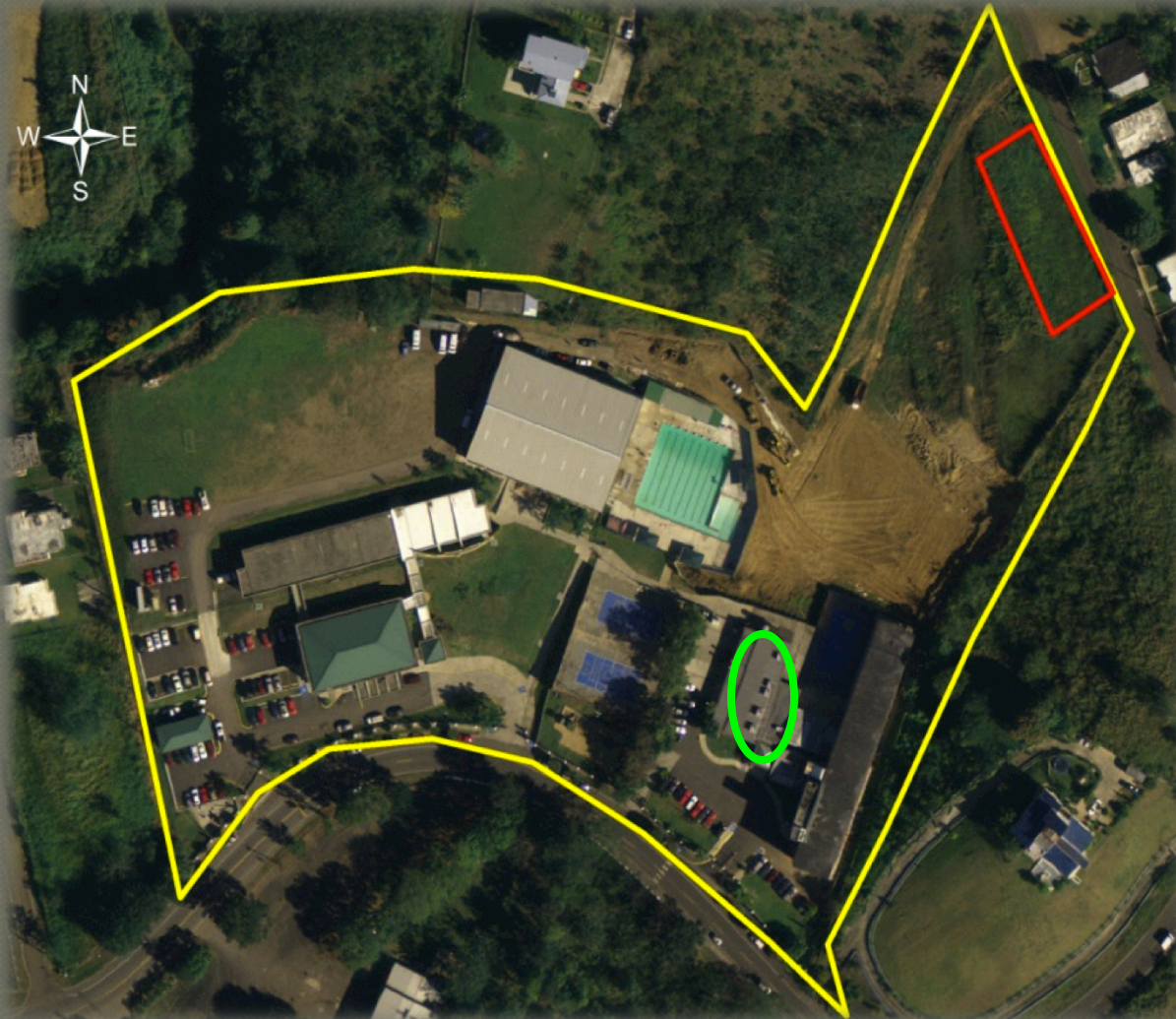


Radians School Ubication

- Is located in the north of Cayey



Aerial Photo of the School



Legend:

— School Boundaries

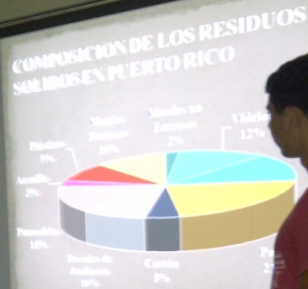
— Nursery and
Compost
Bin Location

— Lunch Room
Location

2007 picture, Source: DENR

The photograph shows a classroom setting during a presentation. On the left, a man in a green t-shirt is gesturing with his hands. On the right, a man in a red t-shirt is also gesturing. In the center, a large projection screen displays a slide titled "Compost" in Spanish. The slide text includes: "¿Qué es el compost?", "El compost es el resultado de la descomposición de residuos orgánicos...", "Beneficios del compost:", "Mejora la estructura del suelo...", "Aumenta la actividad biológica...", "Reduce la necesidad de fertilizantes...", "Es un recurso renovable...", and "Se puede utilizar en jardines, huertos, etc.". A small image of a pink flower is visible on the right side of the slide. The audience, seen from behind, is seated in rows of chairs, facing the screen.

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- COMPOSICION DE LOS RESIDUOS SOLIDOS EN PUERTO RICO**
- | Residuo | Porcentaje |
|----------------------|------------|
| Plásticos | 25% |
| Vidrio | 12% |
| Metales en Femenos | 2% |
| Comida | 8% |
| Residuos de Animales | 10% |
| Papel | 10% |
| Textil | 2% |
| Otros | 10% |



Compost Bin Installation



Compost Bin Installation

- We install the compost bin besides the students nursery.



Composting Demonstration



Composting



- We hope to deviate like 20 pounds per day of organics scraps.
- This project is going to continue on the Summer Camp of the School with their recycling program.
- We contact IFCO facilities to keep those students motivated with in their projects and we are planning to visits IFCO the next August.



Conclusion

- To make this project work the teacher in charged has to make an experiment or special project involving the students.
- We had problems because Radians school finished their classes on May 16 and we had only two month to work this project on the school.
- We recommend the next time to start the project on August, due to that we have a complete year to run the project.