



## Minutes of Meeting

### ESSEX COUNTY SOLID WASTE ADVISORY COUNCIL MEETING OF January 28, 2014 AT ESSEX COUNTY ENVIRONMENTAL CENTER, 621 EAGLE ROCK AVE., ROSELAND NEW JERSEY.

1. Call to Order – Chairman Nick Salese, West Orange
  - a. Meeting called to order at 1:05PM
2. Open Public Meetings Statement- Read into the record by Chairman Salese.
3. Roll Call – None – See sign in sheet – Quorum present.
4. Approval of Minutes for November 2013 Meeting – Moved by Caldwell /2nded by Orange – Approved by consensus.
5. Committee Reports
  - a. DeFeo Associates – Outlined the following Committee Reports:
    - i. Through the Chair, we discussed the issue of SWAC membership and the status of voting members. Each town was asked to update their appointments. They were asked to provide the municipal resolutions as soon as possible.
    - ii. Wayne introduced Dominick D’Altilio, the CRP for DeFeo Associates to the group.
    - iii. DeFeo Associates reported in the tonnage grant training that is taking place in Bergen County. The SWAC will be offering a training program after that event takes place for the municipal coordinators.
      1. A question was asked through the Chair with regard to failure to report from generators.
        - a. This will depend on the ordinance. If that ordinance places the responsibility on the vendor or the generator, then the ordinance is more enforceable.
        - b. Question was asked of Covanta with regard to how the company reports ferrous and non-ferrous metals. Towns were reporting it as heavy metal, there may be an issue on the coding of this material.
      2. DeFeo Associates reported on the ewaste issue.
  - b. Covanta – Hank Asher reported that the January outage is done.
    - i. March 3 and March 20 will have two more scheduled outages.
    - ii. Bag house construction will commence in the second quarter of 2014.
      1. This will take about 3 years to complete.
    - iii. Sunday allowances will be made per DEP from time to time due to weather.
  - c. NJDEP – No report presented.
6. Old Business – None to report.
7. New Business –
8. Public Comments – Opened at 2:12 PM.
  - a. Public Comments closed after this presentation as no other comments were presented.

## 9. Presentation(s)

- a. Joe McNelius – Green Sky presented information on the Green Fence issue regarding Chinese markets and the problems associated with plastic bags in the recycling stream.
  - i. Chinese market is essentially closed to Green Sky.
  - ii. They do have markets in other Asian countries.
  - iii. The problems with overseas markets are primarily associated with the issue of contamination.
    - 1. Markets for #3-7 plastics are essentially no longer available in China. This is causing significant problems with the overseas markets.
      - a. Markets for plastics are now in the negative value, but there are still markets available domestically to move the material at the negative numbers.
    - 2. Contamination levels are exceeding 20%. This will not support the high level of market pricing. Market pricing will drop.
  - iv. Towns in Bergen County are shifting from #1-7 back to #1-2 plastics.
  - v. Plastic bag markets have crashed (low density polyethelene #4). Green Sky is finding very limited markets for the bags that are collected.
  - vi. Plastic bags are a problem for processing facilities. They slow the processing systems down.
    - 1. Plastic bags will hurt the value of recyclable materials as programs move forward.
  - vii. Asian markets on paper are becoming more demanding. Mills are being required to clean up the stream.
  - viii. Shredded paper can be an issue if that paper is in plastic bags.
    - 1. It is acceptable if the paper is in paper bags.
- b. Peter Marcalus – Food Waste Composting
  - i. NATH Sustainable Solutions.
    - 1. Food waste represents up to 21% of all solid waste.
    - 2. Generates Methane gas in landfills.
      - a. Which is 72X more damaging than CO2.
    - 3. Spoke to the Rocket and HotRot Composting technology.
      - a. HotRot is for regional systems.
        - i. 800 - +12 tons per day.
      - b. Rocket is for schools.
        - i. 65-730 Tons per day
    - 4. Systems make finished compost.
      - a. Within 14 days.
      - b. Volume reduction of 50-70%.
    - 5. Both systems are aerobic.
    - 6. Both systems will take all organics including:
      - a. Meat, fish, poultry, vegetative & carbohydrates as well as contaminated paper and compostable materials.
    - 7. There are seven systems (Rockets) in New Jersey at schools.
    - 8. There are 32 HotRot systems in use globally.
    - 9. Ratio of wood to food is 70% woodchips to 30% wood.
    - 10. System will more effectively compost service ware faster than open-air systems.

11. Financials estimate a payback period of approximately 3-5 years without market revenues.
  - a. With market revenues this could be reduced.
    - i. (Both financials assume a 0 cost for woodchips)
12. System comes with an odor free guarantee.

10. Adjournment

- a. Meeting adjourned. 2:12 P.M.



Respectfully Submitted,  
Wayne D. DeFeo, Principal  
DeFeo Associates