

Progress Report – SWMP Responses to 2016 Report

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Department of Public Works and Environmental Services
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Recommendations/Response

EQAC Recommendations:

- Evaluate alternatives to further reduce Greenhouse Gas (GHG) emissions from Energy-from-Waste (EfW) facility operations
- Expand the recycling of all waste streams, including composting organics

SWMP Response:

- Actively exploring alternatives to further reduce GHGs from waste disposal operations
- Establish terms to use new Prince William County composting and anaerobic digestion facility
- Establish an experimental or pilot-scale organic waste composting facility at the I-95 landfill
- Discuss I-95 project with community stakeholders

Progress Report:

- Technological options to reduce EfW GHG reductions are limited and expensive
- Best strategy is to reduce disposal tonnage by increasing reuse, reduction, and diversion
- Update on establishing MOU w/ PWC on composting
- Update on pilot-scale composting at I-95 landfill – WIP, preliminary discussions w/ DEQ
- Discussions w/ I-95 community stakeholders will wait until design and regulatory requirements established
- Addition of cartons to paper recycling

Recommendations/Response

EQAC Recommendations:

- Enforce recycling requirements at commercial properties
- Move forward with a food waste composting program



SWMP Response:

- Including more detailed reports on recycling outreach education and enforcement for future EQAC reports
- Initiating a food waste composting pilot



Progress Report

The next several slides will address progress on the following initiatives:

- Recycling outreach education site visits
- Recycling enforcement compliance
- Evaluating code changes
- Cafeteria food waste composting pilot project



Recycling Outreach Education Site Visits

- **Offices Nov – Dec 2015**
27 visits with 3 in noncompliance (11%)
- **CDD Nov – Dec 2015**
2 visits with 1 in noncompliance (50%)

- **Offices Dec – June 2016**
320 visits with 41 in noncompliance (13%)
- **CDD Dec – June 2016**
111 visits with 51 in noncompliance(45%)

Recycling Enforcement Compliance

- **Responding to and investigating resident and business complaints**
 - Over 250 cases
- **Random compliance inspections of target waste collectors**
 - Over 300 inspections
- **Initiating enforcement actions generated as a result of complaint investigations and random inspections**
 - Approximately 50 actions of varying severity
- **Compliance assistance to members of regulated community, on demand, and also as part of a planned program of education and outreach**
 - Approximately 100 site visits and training events

Evaluating Code Changes

Eliminating Plastic Bags for the collection of yard trim

- The county is the last jurisdiction in region to allow residents to set out yard trim in plastic bags
- Plastic bags increase the cost of processing
- Plastic pieces from bags contaminates the end-product
- Source reduction options such as grasscycling and composting are better for the environment and the county's budget



Evaluating Code Changes

Eliminating collection/disposal of Cathode Ray Tubes (CRTs)

- CRTs contain lead, a known toxin that can cause severe negative human health impacts
- While manufacturers have substituted LCDs for CRTs, there are still millions of CRTs in existence and headed for disposal
- More than 20 states currently ban the disposal of CRTs and other electronics from disposal, including our neighbors in WV, PA, NC, and SC



Cafeteria Food Waste Pilot Project

- Initial discussions and approval by FMD and food service provider
- Back-of-house only
- Developing system and signage
- Expected to be implemented by the end of 2016



Recommendations/Response

EQAC Recommendation:

- Conduct a public information campaign to inform residents on how best to recycle
- Investigate/initiate alternative glass recycling program



SWMP Response:

- More frequent/prominent outreach/education on how best to recycle
- SWMP will establish a small glass pilot facility at I-66
- SWMP will consider a larger glass processing facility at the I-95



2016 Update/Progress Report:

- The SWMP purchased a unit to crush glass at its I-66 transfer station and is currently undergoing safety testing.
- Update on I-95 project – County is proceeding with purchase and Installation expected in early 2017
- Update on refreshed customer education/outreach materials, F.R.E.E., collaboration w/ARC

Summary of Current Recycling Markets

- Excess commodity production in China, falling Chinese industrial prices, decelerating Chinese growth and slowing Chinese scrap import demand contributed to weaker global scrap markets
- Stronger dollar hurting competitiveness of U.S. scrap exports/promoting imports
- Falling commodity prices + soft manufacturing output + strong dollar + logistical & regulatory issues = Margins disappear, scrap industry consolidation.



Additional Information

For additional information, please contact

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