Steward Panel Discussion

MODERATED BY DAVY CONNERS

MARY JOAN PUGH, NORTH CAROLINA ZOO
AUBREY MEADOWS, ENGINEERED SINTERED COMPONENTS
JANE WOODALL, DELL – APEX
VICKI LEWIS, FLEET READINESS CENTER EAST
ESI Steward Requirements

Mature Environmental Management System.
Aggressive environmental performance goals.
A commitment to meet and go beyond compliance.
An EMS that is integrated into the core business functions.
A process of communicating with the local community about program activities and progress towards performance goals.

Agree to mentor other ESI members as requested.
North Carolina Zoo
Environmental Stewardship Initiative
May 2, 2017
AGGRESSIVE GOALS
ENERGY

GOAL – 30% reduction by 2015 using a FY 03 baseline

• Polar Bear/Rocky Coast
• Desert
• Aviary
• Education Center
WATER

GOAL – 30% reduction by 2015 using a FY 03 baseline

Strategies
• Increase nonpotable for irrigation
• Repair leaks in pools
• Maintain master irrigation control
• Install water efficient faucets and toilets
• Alternate dry versus wet cleaning in Animal areas
WASTE

GOAL – Zero Waste to Landfill

Strategies

• Increase compost – primate waste
• Increase visitor awareness of recycling especially polystyrene foam cups
• Increase employee awareness of reusing and recycling
• Replace water fountains with bottle fill stations
GOAL
Improve Your Ecological Footprint
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Engineered Sintered Components

Aubrey Meadows, EHS, with Engineered Sintered Components for 3 years.

- Since we set out to become Zero Waste to Landfill, we have been successful in removing our Swarf, Oily Solids waste and Wood Waste from the Landfill. This removed an additional 113.4 Tons from the Landfill in 2016.

- I was elected Chairman of the Global Sumitomo Electric Group Environmental, Health and Safety Committee

ESC Company Profile

<table>
<thead>
<tr>
<th>Name:</th>
<th>Engineered Sintered Components LP.</th>
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</thead>
<tbody>
<tr>
<td>Location:</td>
<td>Troutman, NC (35 miles North of Charlotte, NC)</td>
</tr>
<tr>
<td>Established / Operations Start:</td>
<td>February 1989 / March 1990</td>
</tr>
<tr>
<td>Ownership:</td>
<td>95.9% - Sumitomo Electric U.S.A. Holdings</td>
</tr>
<tr>
<td></td>
<td>4.1% - Eaton Corporation</td>
</tr>
<tr>
<td>Land:</td>
<td>90 Acres (364,200 m²)</td>
</tr>
<tr>
<td>Facility Size:</td>
<td>Plant #1: 144,000 ft² (13,400 m²)</td>
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<tr>
<td></td>
<td>Plant #2: 50,000 ft² (4,650 m²)</td>
</tr>
<tr>
<td>Certifications:</td>
<td>TS16949 / ISO 14001</td>
</tr>
<tr>
<td>Number of Employees:</td>
<td>397 (SEI 4 / Atsumi Tech 2)</td>
</tr>
<tr>
<td>Capacity:</td>
<td>600t/month</td>
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</tbody>
</table>
ESC signed a contract with Instream Environmental to recycle swarf! This removed an average 10 Tons per month from the Landfill! This swarf is used to make rebar!

**ESC is now 97% Zero Waste!**

**Started February 2016!**

ESC worked with Republic Services and L. Lingle’s Landscaping to have our wood waste processed into various mulch products to be used for landscaping. This removed an average 13.5 Tons per year out of the landfill!

**Started October 2016!**

Last: Breakroom trash (cups, earplugs, food).
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AUBREY MEADOWS, ENGINEERED SINTERED COMPONENTS

JANE WOODALL, DELL – APEX

VICKI LEWIS, FLEET READINESS CENTER EAST
Mentoring / Best Practice Sharing

2017 ESI Members Meeting

May 2, 2017
Mentoring…
Eaton Visit to Dell

Highlights

• Foam Densifier
• Shared recycling resources
• Utilization of our janitorial service to segregate production recyclables
• Lean Six Sigma – also drives positive environmental impacts (↓ electricity)
Dell Visit to Eaton

Highlights

• Eaton segregation of production recyclables in their work cells
• Site waste champions (in addition to EH&S)
• Visible metrics
• Kaizen – 3 / year / person
• Employee engagement
Who Mentored Who?
Steward Panel Discussion

Moderated by Davy Conners

Mary Joan Pugh, North Carolina Zoo

Aubrey Meadows, Engineered Sintered Components

Jane Woodall, Dell – Apex

Vicki Lewis, Fleet Readiness Center East