NCDA & CS
Structural Pest Control & Pesticides Division

Integration of Pesticide Disposal Assistance and Pesticide Container Recycling

Derrick Bell - Program Manager

2010 TPSA Conference – Savannah, GA
February 22, 2010
One Goal ... 

To Provide Citizens of the State an Environmentally Proper Way to Handle Unwanted or Unusable Plastic Pesticide Containers (Especially Mini-bulks, Tanks, and Plastic Drums) That May Contain Residual Pesticides by Properly Disposing of the Unwanted Pesticides and Recycling the Plastic Material
One Goal … Two Programs

• PESTICIDE DISPOSAL ASSISTANCE
• PESTICIDE CONTAINER RECYCLING
Project Overview

- **Project: Mini-Bulk Plastic Recycling**
  - Provide Proper Recycling/Disposal Solution
  - Organize Processing Sites To Segregate Residual Pesticide from Recyclable Plastic
  - Properly Dispose of Generated Pesticides
  - Recycle Generated Plastics
Project: Mini-Bulk Recycling

- Provide Proper Recycling/Disposal Solution
  - Over 700 Licensed Pesticide Dealers in NC
  - Old, Brittle and Damaged Mini-Bulk Tanks
  - Non-Returnable
  - Residual Pesticides Remain in Containers
Project: Mini-Bulk Recycling

- **Organize and Publicize**
  
  - **Publication Packages**
    - All 100 County Cooperative Extension Agent Offices
    - Each of the over 700 Licensed Dealers
  
  - **Posters**
  
  - **Website**
  
  - **Brochures Including Survey Form**
MINI-BULK & PLASTIC DRUM RECYCLING

The NCDA&CS is sponsoring the recycling of old, unwanted pesticide mini-bulks.

This is a NO COST project to assist North Carolina farmers and pesticide dealers.

MINI-BULK AND PLASTIC DRUM RECYCLING PROJECT
FIELD SURVEY FORM
Complete FULLY and Return by DEADLINE.

COUNTY
OWNER / FARMER
ADDRESS
PHONE
ZIP

DATE

MINI-BULK AND PLASTIC DRUM RECYCLING PROJECT
FIELD SURVEY FORM
Complete FULLY and Return by DEADLINE.

COUNTY
OWNER / FARMER
ADDRESS
PHONE
ZIP

DATE

APPLICATION TO RADICALLY IMPROVISE AND RECYCLE THE USED DRUMS OF MINI-BULK AND PLASTIC DRUMS

DEADLINE: Return the form postmarked by December 15, 2005

INSTRUCTIONS: Use separate paper or photo if necessary

SIGNATURE: My (signature) certifies that I am the owner of the used drums/plastic drums and I give my permission to NCCDC to remove the containers, stored drums.

MAIL TO: NCCDC, P.O. Box 1234, 123 Main Street, Anytown, USA 12345

DATE: December 15, 2005

For More Information, call 919-733-7366 or visit www.nccdc.com

Deadline, December 15, 2005
It is illegal to use this tank to refill other containers for resale or for any other purpose inconsistent with the label.

Rated gross weight: 2200 lbs.
Capacity: 200 gallons
Serial number: S94-
Tare weight: 173 lbs.
Production date: 1994
Project: Mini-Bulk Recycling

• Processing Mini-Bulks
  • Staging/Processing Area Set-Up
    – Poly Sheeting, pallets, power supply, etc.

• Signed Release of Liability Forms
  – NCDA&CS supply of power tools
  – Safety equipment incl Tyveks, safety glasses, gloves, etc.

• Residues Collected by On-site Haz Waste Contractor
  – Supply of Drums and Cubic Yard Boxes for Waste
PESTICIDE DISPOSAL ASSISTANCE PROGRAM
AND THE
PESTICIDE CONTAINER RECYCLING PROGRAM.
MINI-BULK AND PLASTIC DRUM RECYCLING PROJECT

RELEASE OF LIABILITY FOR USE OF TOOLS

I, the undersigned, in consideration of using tools or equipment belonging to the North Carolina Department of Agriculture and Consumer Services at no cost, hereby agree as follows:

1. I am familiar with the tools or equipment and I understand the risks associated with the use of such tools or equipment, and I hereby assume all such risks.
2. I hereby release the Department and its employees from any and all liability whatsoever for any personal injury or property damage arising out of my use of such tools or equipment.

Date: __________________________
Signature: ______________________
Print Name: _____________________
Project: Mini-Bulk Recycling

• Recycle Generated Plastics
  – Staged On-site
  – Ground On-site or Combine Staging Sites for Convenience
  – Processed Plastic Recycled by ACRC Certified Recycler
Project: Mini-Bulk Recycling

- Promotional
  - Newspapers
  - TV Coverage On-Site
  - Press Releases
Project: Mini-Bulk Recycling

- Production and Totals: (Grant)
  - 20 Processing Sites
  - 400 - 6,200 Pounds of Plastic per Site
  - Total of 19,850 Pounds of Plastic to date
  - Disposal and Mobilization Cost : $22,195
  - Plastic Recycling Cost: None
### MINI-BULK 2008-2009

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>DATE</th>
<th>MINI-BULK</th>
<th>ESTIMATED PLASTIC</th>
<th>ESTIMATED MATERIAL FOR DISPOSAL</th>
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<tr>
<td></td>
<td></td>
<td>CONTAINERS</td>
<td>GROUND (LBS)</td>
<td></td>
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<td>TARBORO</td>
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<td>18</td>
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<td><strong>TOTAL</strong></td>
<td>7</td>
<td>260</td>
<td>21,800</td>
<td>8,939</td>
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</tbody>
</table>

Plastic now ground at all sites as of 041509.
Contact Information

- Derrick Bell
- NCDA&CS - Structural Pest Control & Pesticides Division
- Phone: 919-733-3556
- Email: Derrick.Bell@ncagr.gov
- Website: ncagr.com/PDAP