ACRC “Minibulk” Project Scope

2010 Pilot Program

- Develop and operate a pilot ACRC minibulk collection and recycle program in one Midwest state,
- Educate stakeholders: Rinsing, testing and organizing to facilitate collection, return and disposal of minibulks,
- Identify which containers are Refillable or Need Disposal,
- Identify accepted end uses for plastic from minibulks,
- Develop processes with recyclers involved to insure proper end use,
- Review results of 2010 Pilot program,
- Develop requirements for broader scale program for 2011 for additional states.

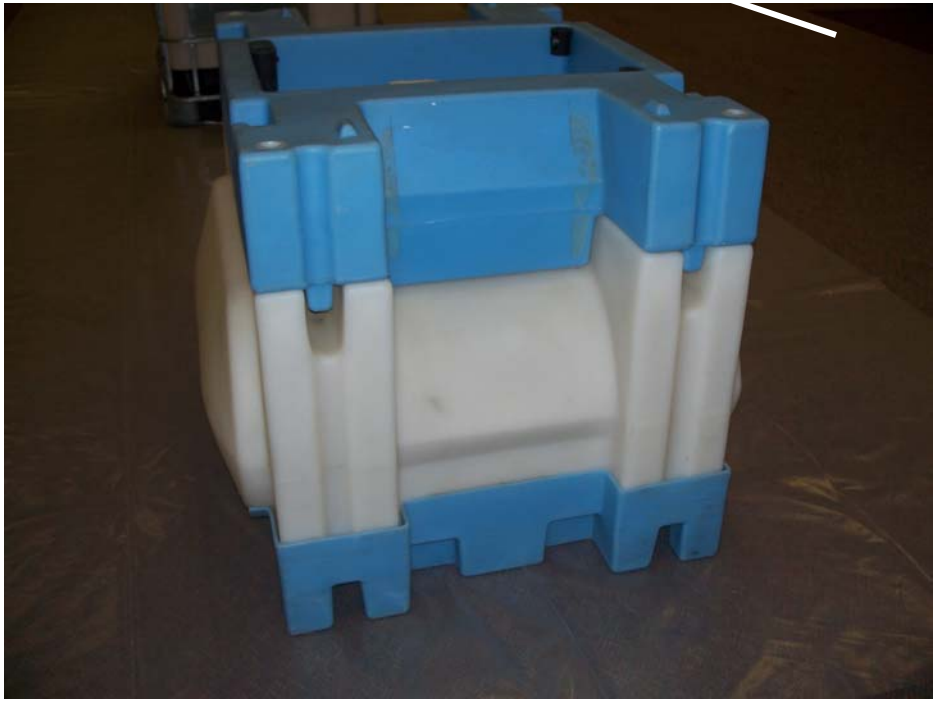
IBC Types

a.k.a – Minibulk Types

MIBC - Rotationally Molded IBC

or "Asset Tank"

CIBC – Composite IBC or Caged IBC or "~~One Way~~" *



Definitions

- IBC – Intermediate Bulk Container.

  a.k.a - minibulk
- MIBC - Rotational Molded Intermediate Bulk Container
  a.k.a – asset tank, minibulk
- CIBC – Composite Intermediate Bulk Container.
  a.k.a. – caged minibulk, caged IBC, one way.
- Refillable – Containers that meet the requirements and physical conditions described in EPA's 2006 C&C Rule. These could be **MIBCs** (rotational molded IBCs) **or CIBCs** (composite IBC).

Organize

– Refillables - Pass the inspection.
Stay in service.

If the IBC fails inspection…..organize into two groups:

– Q - Qualified for free return and recycle using established IBC manufacturer return programs.
ACRC will facilitate collection and return using established free IBC manufacturer programs.

– NQ - Not Qualified for free Return and Disposal.
ACRC will facilitate collection and disposal.

Inspect, Test, Organize, Collect, Recycle

- Determine which containers will remain in service,
- And which need disposal.
- It must be clean!

- CropLife America, EPA and others developed an educational poster, checklist and DVD to guide this inspection process.

Does this one Need Disposal?

- Mfg. in 2004
- Must pass pressure test.
- Equipped with one valve and tamper evidence.
- Has been out of service.
- Good physical condition
- Still needs cleaning with product change,
- Possible reconditioning and refilling.

✓ Possibly has additional useful life, if properly reconditioned and used.

✓ Originally qualified for free return, refilling and disposal from ag chem mfg.

✓ Possible collection and disposal by ACRC if needed. Must be clean!

Do these need disposal?

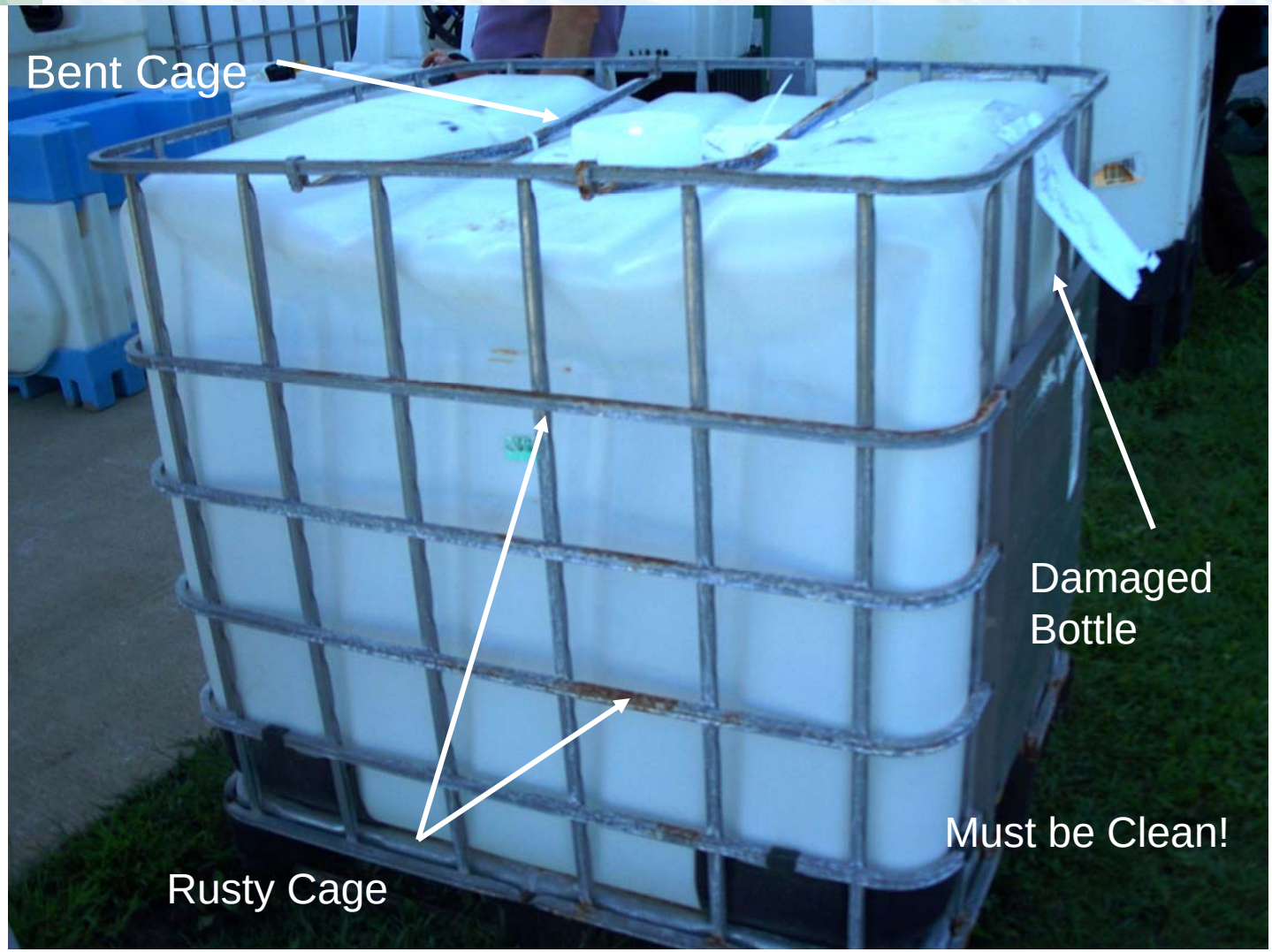
- All less than 2.5 yrs old,
- Pressure test not required <u>yet</u>,
- ✓ Cages and bottles in good physical condition,
- Tamper evident seals were removed,
- No one way valves used,
- Must be cleaned before refill or return!

✓ All are qualified for Free Return via IBC manufacturing programs.

✓ All are sought for Free Return and Reconditioning by “Reconditioners”.

Does This One Need Disposal?…Yes

but Not Qualified for Free Return.



Actions Required

- ✓ Define the “problem”,
- ✓ Explore current practices and return programs,
- ✓ Develop ACRC pilot program scope,
- Get ACRC Executive Board approval,
- Develop cooperative relationship and reach agreement with pilot state.
  - Retail trade organizations, distributors, grower groups, state government, custom applicator groups.
- Determine service providers and develop contractual agreements,
- Develop educational info:
  - ➢ Inspection
  - Cleaning
  - Organizing
  - Collection and Return Process.
- Develop “details” of pilot program
  - Educate stakeholders of requirements,
- Develop financial arrangements to fund pilot program,
- Confirm acceptable processes of recyclers and end uses for recycled plastic,
- Implement pilot program.
- Evaluate and plan for future.