Fort Jackson's Pollution Prevention (P2) Program

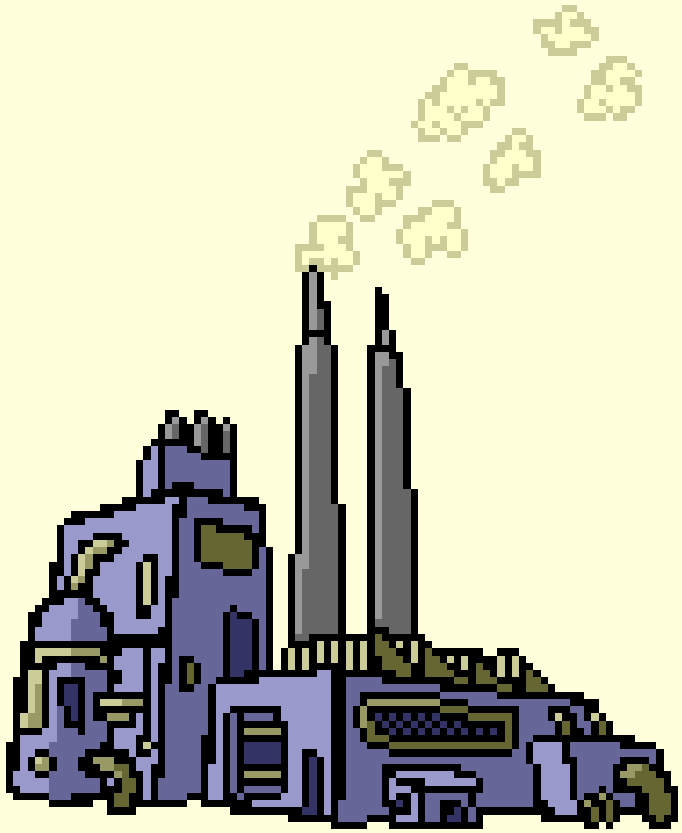
Minimizing our wasteful "bootprint"

Latest Revision: April 2015

Before we prevent it, what is it?

- **Pollution:** contaminants introduced into the environment that can cause harm to ecosystems (or communities of living & non-living organisms with networks of interactions)

- **Examples:**
  - Municipal solid waste (MSW)
  - Air emissions
  - Waste water
  - Construction/demolition debris
  - Hazardous waste
  - More



Pollution impacts all parts of the environment (Air · Water · Land)

What problems can arise?

- **Land & Landfill problems…**
  - Groundwater contamination
  - Generation of gases (i.e. methane)
  - Odor & aesthetic problems
  - Loss of land

- **Storm Water issues…**
  - Point source (known)- factory runoff
  - Non-point source (unknown)- oily water from parking lots

- **Solid and Hazardous Waste concerns…**
  - Health hazards (i.e. flammable & combustible materials)
  - Soil contamination
  - Disease vectors
  - Loss of reusable items

- **Conservation issues…**
  - Waste of energy and water

POLLUTING CAN LEAD TO SERIOUS CONSEQUENCES!!!

CAN IMPACT ONE'S HEALTH, THE ENVIRONMENT, OR LEAD TO FINES/IMPRISONMENT

What is Pollution Prevention (P2)?

- Pollution prevention is **(1)** reducing or eliminating waste by modifying processes and **(2)** efficiently using raw materials, energy, water, and other resources

- P2 can be done:
  - Anywhere
  - Anytime
  - By Anybody

What P2 Requires Us To Do?

- Identify ways to either train or support training activities by improving the way we normally do business

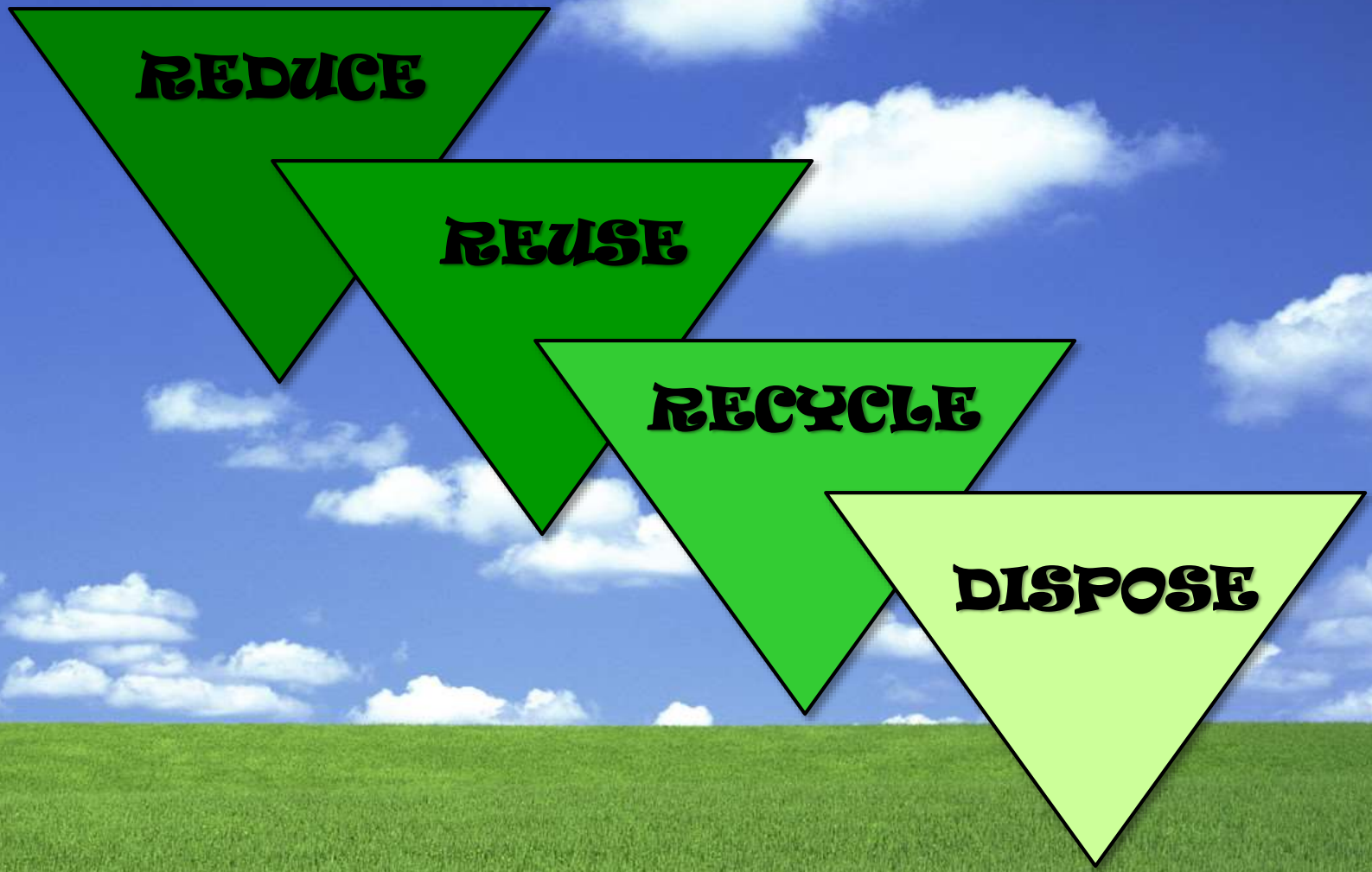
- …and make better use of funds and resources

- It's a ***culture change***!

Why is P2 Important?

- Saves natural resources
- Reduces procurement & disposal costs
- Helps to reduce product inventory
- Saves storage space
- Helps to minimize pollution created through various processes (i.e. shipping/recycling)
- Creates less waste
- Saves landfill space

P2 Hierarchy



Combating pollution at different levels

Level #1: Reduce

- **Buy less, use less, rent, or borrow**

Purchase only what you need- check your inventory first!

Level #2: Reuse

- **Find new uses, repair, or donate**

Return excess to manufacture or transfer "usable" items to organizations, the Reuse Center, or DLA Disposition Services Jackson

Level #3: Recycle

- **Recycle or compost**

Recycle items as much as possible- many of our office and personal items (i.e. water bottles and paper) can be turned in to Fort Jackson's Recycling Center. Also, take yard waste to the Fort Jackson Mulch Site

Level #4: Dispose

- **Do as the last resort!**

Dispose in accordance with the Hazardous Substance Management Plan (HSMP) and Environmental Guidebook

There is No "Away"!!!

- **When garbage or unwanted items are thrown away, they do not vanish or disappear**
  - ***"Out of sight, out of mind"***
- **Simply transported to another location**
- **STILL a problem in the long run!**

Additional Programs within P2

Green Procurement Program (GPP)

- **Federal/Army mandate**
- **Purpose of GPP:**
  - Reduce environmental impacts
  - Support the mission through cost effective acquisition
  - Reduce resource consumption & waste generation
  - Better management of products

GPP (cont)

- **Encourages the following purchases:**
  - Recycled content products
  - Biobased products
  - Energy/water efficient products
  - Alternative fuel vehicles & fuel
  - Alternatives to hazardous/toxic chemicals

- **Exemptions to rule:**
  - Inability to acquire in timely manner or sufficient level of competition
  - Inability to acquire at a reasonable price
  - Inability to satisfy performance requirements
  - Inability to be meet functional requirements or be cost-effective over life of product

Buying "Green"…

GPP (cont)

- **LCI-SSC identifies & carries green products**
  - Will price match on most product
- **Green and environmentally-preferable products can be purchased in PBUSE**

In your Organization…

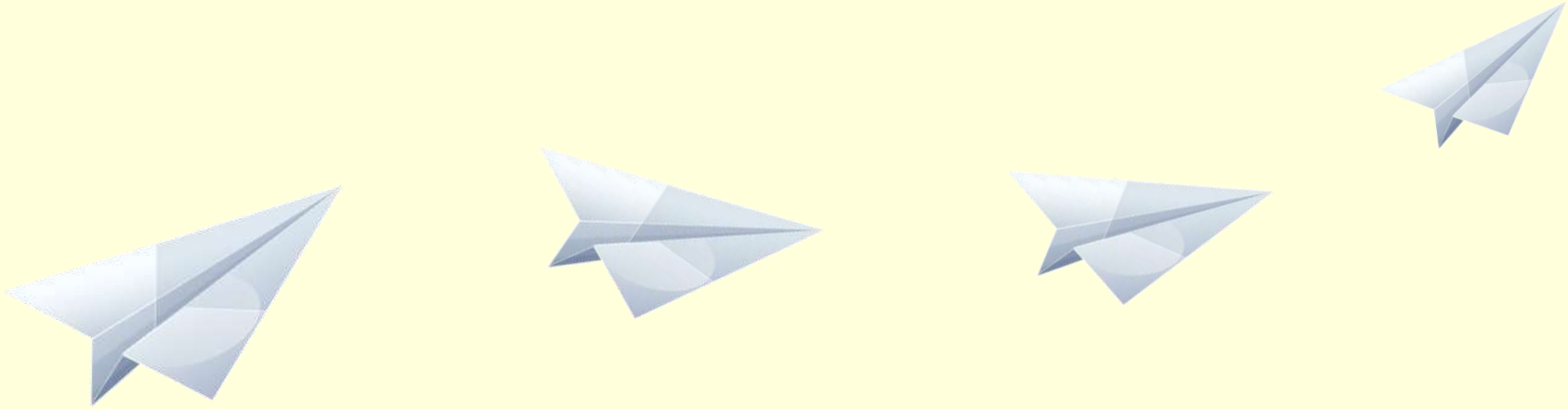
Think about your work area- what could you do?

Source Reduction

- Avoid disposable items (i.e. styrofoam containers)- select reusable items
- Be a smart shopper
- See what's in-stock at another organization
- Don't waste food
- Turn off lights & appliances when not in use
- Smart transportation (i.e. carpooling)

Paper Reduction

- Become e-savvy (i.e. email and telephone)
- Use bulletin boards to route information
- Double-side the documents
- Use “used” paper for in-house documents
  - Designate one copier tray for “used” paper



Avoid discarding the following!

- Yard waste
- QRP/DLA recyclable items
- Hazardous materials
- Clothes & usable household items
- Clothing hangers
- Used oil, antifreeze, and some batteries
- Toner & inkjet print cartridges

Quiz Your Knowledge!!!

Reduce	Reuse	Recycle	Dispose
100	100	100	100
200	200	200	200
300	300	300	300

How well can you prevent pollution???

Reuse

This can be used in the office for personal memos or correspondence?

A) Discarded water bottles
B) Used white paper
C) Old Fort Jackson Leaders

<u>Correct Answer</u>: B) Used white paper

Designate a copier tray for used paper for in-office copies

Recycle

Which of these items cannot be recycled at the FJ Recycling Center?

A) Aluminum cans
B) Glass jars
C) Used Cardboard
D) All can be recycled
E) Only A & C

<u>Correct Answer</u>: D) All can be recycled

The FJ Recycling Center accepts many different recyclable items

Reduce

Checking your inventory before making new purchases is a form of source reduction?

A) True
B) False

<u>Correct Answer</u>: A) True

It reduces stock-piling, increases cost savings, and minimizes poor housekeeping

Dispose

Used paint and other office products can be poured down a storm drain?

A) Yes; it will go to a treatment plant
B) Yes; it is not harmful to the environment
C) No; it should go to the Reuse Center
D) No; it should be poured down the drain

<u>Correct Answer</u>: C) No; it should go to the Reuse Center

Used paint (both solvent and water-based) should go to the Reuse Center for proper management

Specific ECO Responsibilities

- Provide P2 training & post P2 information
- Review purchase requests for source reduction & green procurement opportunities
- Encourage recycling & reducing when possible
- Advertise excess supplies
- Conserve water, electricity, and fuel
- Promote P2 practices

Do your part to be green!!!

- Pollution is misplaced valuable resources
- Waste is a result of inefficient technology
- Bottom-line: buy less, use less, create less!

For P2 Questions & Information:

Tameria M. Warren
SMS/P2/Green Procurement Coordinator
(803) 751-9505
tameria.m.warren.ctr@mail.mil