

# Transfer Station Design

Facility Design and Operations  
Considerations

# Design Considerations

- Before a facility is designed, it is critical to ask the right questions. The answers to these questions are up to YOU.
  - Who?
  - What?
  - Why?
  - When?
  - How?



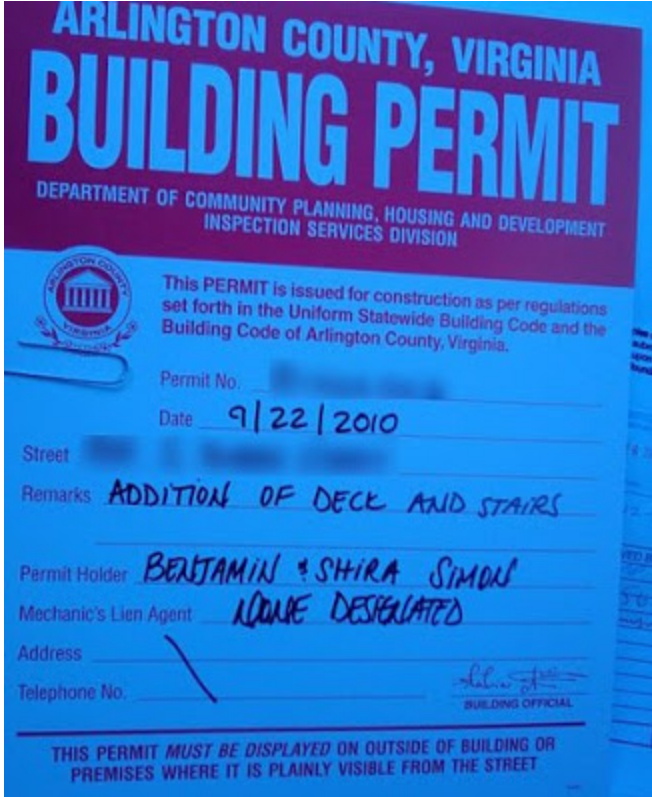
# Money Talks.....

- The first question is always....  
How Much will it cost?
- This is not known and will depend on other factors.
- Will require patience



# Permitting

- NH DES Permit
  - Modification
  - Full Permit
- Local Building Codes



**ARLINGTON COUNTY, VIRGINIA**  
**BUILDING PERMIT**  
DEPARTMENT OF COMMUNITY PLANNING, HOUSING AND DEVELOPMENT  
INSPECTION SERVICES DIVISION

This PERMIT is issued for construction as per regulations set forth in the Uniform Statewide Building Code and the Building Code of Arlington County, Virginia.

Permit No. \_\_\_\_\_  
Date 9/22/2010  
Street \_\_\_\_\_  
Remarks ADDITION OF DECK AND STAIRS  
Permit Holder BENJAMIN & SHIRA SIMON  
Mechanic's Lien Agent ADONE DESTEFANED  
Address \_\_\_\_\_  
Telephone No. \_\_\_\_\_

*[Signature]*  
BUILDING OFFICIAL

THIS PERMIT MUST BE DISPLAYED ON OUTSIDE OF BUILDING OR PREMISES WHERE IT IS PLAINLY VISIBLE FROM THE STREET

# Who?

- Who will manage the facility?
- Will this be municipally operated?
- Commercially?
- Combination?



# More Who?

- Municipally operated?
  - Staff already exists
  - Increased control
- Commercially operated?
  - Managing a contract
  - Less control
- Combination?



# Who... dollars and sense

- Contracted services puts expense in an annual operating budget
- Owning/operating can put costs in both an operating budget and capital expense budget
- Long Term: owning the equipment saves money



# What?

- What are you accepting?
  - Trash – MSW, C&D
  - Sorted
  - Commingled
- This can be overlooked
- Build in Flexibility
- Work with existing disposal vendor and recycling buyers





# More what?

- Facility size and configuration....
- Are you expanding existing facility?
- Is this a NEW build?



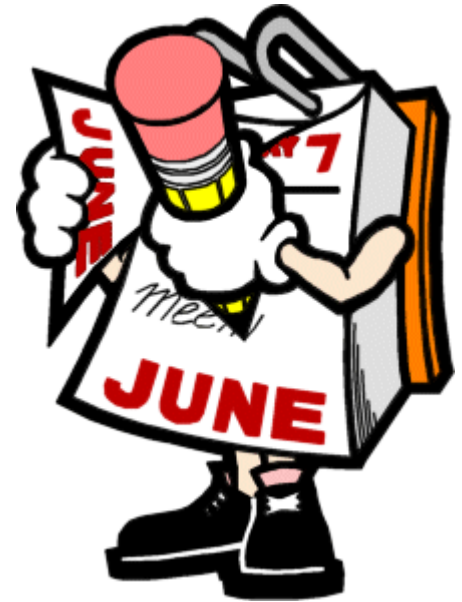
# Why?

- Did you outgrow existing facility?
- Time to update?
- In rough shape?
- The answer to this question is critical



# When?

- Timeline?
  - Have you thought through all this?
- Permits can take time
- Public input takes time



# How?

- Simple changes done in-house
- Major build requires a contractor
- RFP or Bids?



# Equipment Considerations

- Carefully work through your town's needs
- Needs are based on material accepted, tons managed, staffing and end markets



# Facility Considerations

- Size is NOT the only consideration
- Overhead door height
- Snow plowing
- Roof slope direction
- Loading dock?



# Operational Considerations

- Equipment
- Signage
- Markets
- Flow



# Equipment

- What is needed?
- Consider the cost – amortize the equipment
- Can it be shared?





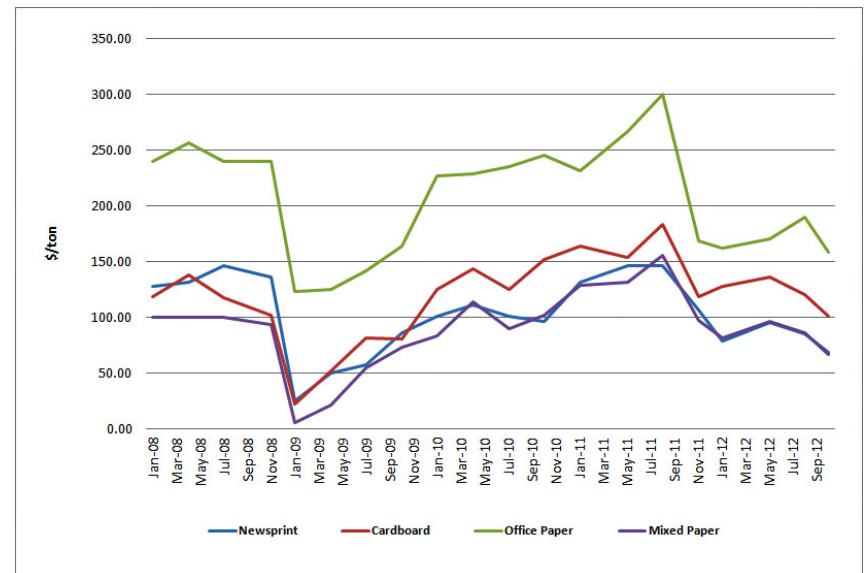
# Signage

- Can be over done
- Improves Resident understanding
- Impact to contamination
- Requires careful thought
- Should be flexible wording



# Markets

- Can be volatile
- Build flexibility into your program
- Sorting VS single stream



# Flow

- Traffic flow
- Right hand turns are safer
- Parking?



# Final Thoughts

- Paralysis by Analysis
- Visit other facilities
- Peer review of the design
- Questions, comments, concerns...

