



Resources for Industrial & Commercial Facilities

Division of Environmental Assistance & Customer Service &
Waste Reduction Partners



Division of Environmental Assistance & Customer Service

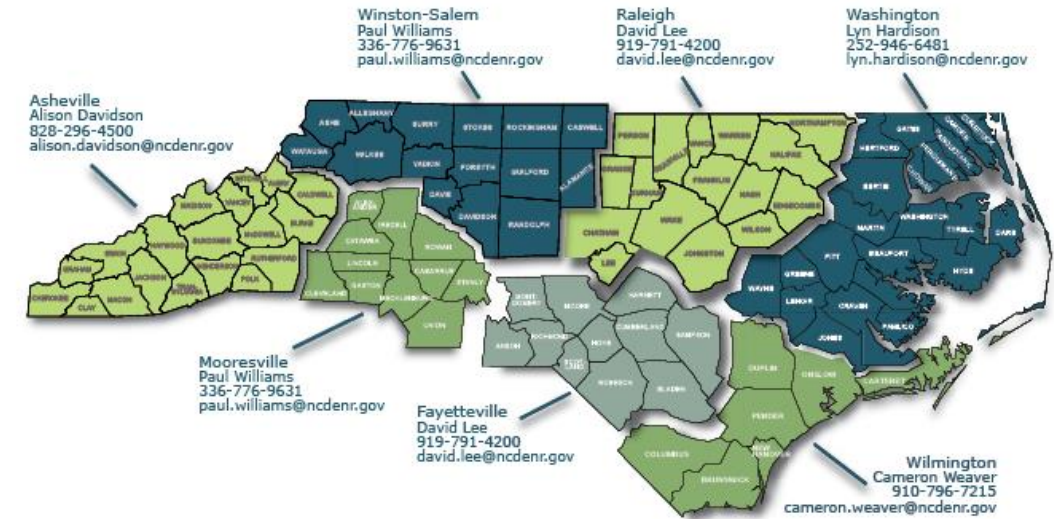


- Non-regulatory technical assistance
- Voluntary and free
- Economic development partner



Environmental Assistance Coordinators

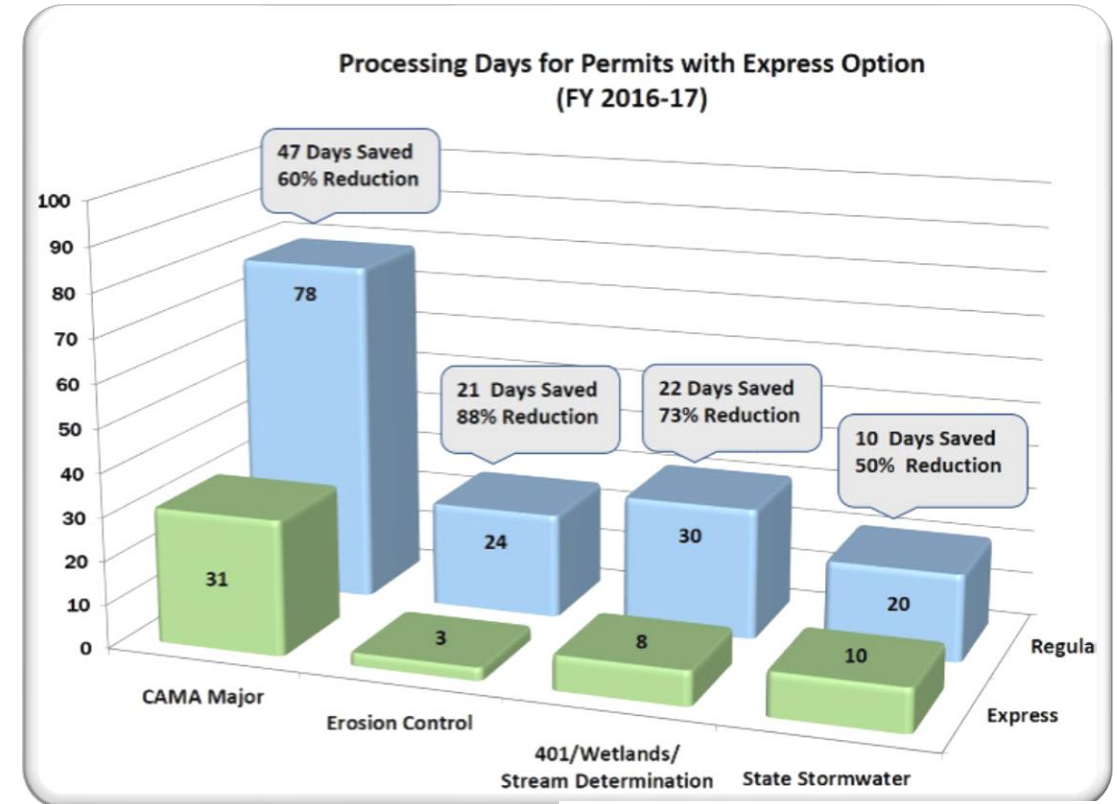
- Non-regulatory liaison with client and DEQ regulatory staff
- Provide customized permit assistance and coordination
 - Tailored permit lists
 - Timeline development
 - Application tracking
 - Coordinate DEQ SEPA
 - Coordinate Express, pre-application, multi-agency permit scoping and compliance assistance meetings
- Provide specific info for site selection evaluation
- Assist with environmental questions on “Requests for Information”
- Identify opportunities to leverage NC tax certification program



Express Permitting

- Offers more timely review process for environmental permits required for development
- Includes consultation to identify necessary environmental requirements
- Requires pre-application meeting
- Expect higher fee for expedited permit
- Express program options:

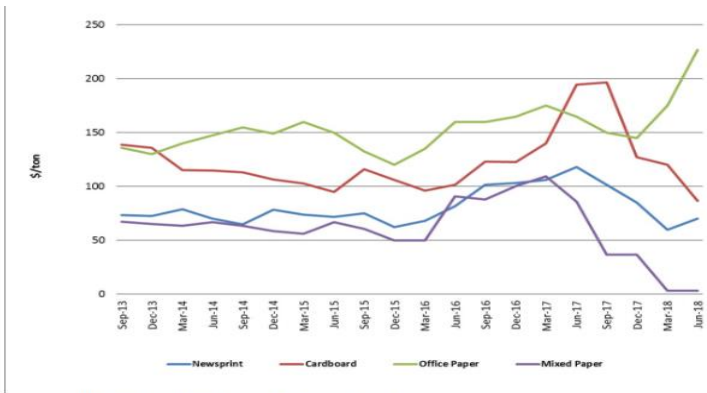
- Coastal Area Management Act-Major Permits (DCM)
- Coast State Stormwater Permits (DEMLR)
- Erosion and Sedimentation Control Plans (DEMLR)
- Wetland Certifications/Stream Determinations (DWR)



Recycling Business Assistance Center



- Works directly with EDPNC to recruit new recycling industry
- Provides market research
- Assists in sourcing recyclable materials and organic matter
- Offers Recycling Business Development Grants
- References additional funding sources such as loans and venture capital opportunities
- Develops and distribute Recycling Works Newsletter: recycling topics, financing opportunities, commodity market updates, new technologies
- Manages NC Recycling Markets Directory and Waste Trader



Five Year Pricing Trend for Recyclable Fiber Commodities



Waste Reduction Partners

- Innovative Partnership between NCDEQ & COGs – Land of Sky Regional Council
- Non-regulatory
- Typically no cost
- Assisting facilities to improve environmental and energy management through efficiency techniques that save money
- Conducts on-site assessments and provides cost saving strategies and resources



WRP Volunteers

- ◉ Retired business professional and staff
- ◉ Engineers
- ◉ Scientists
- ◉ 40 field team members across the state
- ◉ Recycling “Brain Power”
- ◉ 2,300 years experience
- ◉ Passionate about providing assistance



WRP Technical Services Offerings 2019

**Non-regulatory,
no-cost services
for businesses and
institutions**

Energy Efficiency

- Level I & II Reports
- Cost/Benefits Analysis

Water Efficiency

- Benchmarking
- Cost/Benefits

Leaning / P2

- Lean & Greening Assessments
- Innovative Approaches
- DENR Referrals

Waste Reduction

- Recycling Program Reviews
- Resources for Tough Discards

Solid Waste Services

- Comprehensive or targeted assessment
- Written report of strategies for waste reduction
- Research most appropriate recyclers
- LEANing approaches
- Waste sort assistance



Environmental Stewardship Initiative

- DEQ recognition program
- Promotes and encourages superior environmental performance
- Voluntary program; no cost
- Going beyond compliance while conserving natural resources and resulting in economic benefits
- Over 200 member sites



2017 ESI MEMBERS REPORTED RESULTS		
Air Emissions	1,694	Tons
Greenhouse Gas Emissions*	2,546	Metric Tons CO2e
Hazardous waste	105	Tons
Landfilled waste	350,911	Tons
Energy	1,093,033	mmBtu
Water Use	1,038,806,743	Gallons
Material Consumption	356	Tons
Wastewater Pollutants	6,783.38	Tons
Wastewater Volume	490,620,971	Gallons
Biomass Recovery**	95,625	Tons
Total Recycled Volume	97,774	Tons
TOTAL COST SAVINGS \$ 8,178,746		
*Indirect not reported in energy reductions		
**Category created for compost/mulch related goals		
Table 1: 2017 ESI Members' Reported Results		





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GRIFOLS



Environmental Stewardship Initiative

Benefits & services include:

- Technical assistance
- Networking
- Recognition
- Electronic Newsletter
- DEACS Coach
- Trainings
- EMS Assistance
- Steward Forum
- ESI Listserv



Tools & Resources

Recycling Outreach Campaigns

- www.recyclemorenc.org
 - www.recycleguys.org
 - <https://deq.nc.gov/conservation/recycling/general-recycling-information/outreach-materials>
- Helpful for employee engagement in waste reduction programs



Tools & Resources

- Establishing a Green Team – Ideas & Resources
- Dumpster Dive BMP

CASE STUDIES IN
WASTE REDUCTION

Establishing a Green Team - Ideas and Resources

One of the key elements for consistent and sustained waste reduction at any facility is the establishment an active and lasting “green team.” This team could be called by another name: “waste reduction team, sustainability team, continuous improvement team, etc.” They should have the ability to meet and work on team projects during company time.

A green team should be led by one main individual but made up of personnel from a variety of departments, to work on waste reduction projects.

Empower this team to track metrics, report progress of the waste reduction programs, develop creative ideas for employee engagement, and perform annual continuous improvement analysis of the efficiency of the flow of

Why a green team?

- Tool for getting buy-in from employees
- Education of employees
- Implementation champions

Who to involve?

A cross-section of entire employee base:

- EHS



Tools & Resources

- Fact Sheets



N.C. Division of Environmental Assistance and Customer Service
Customer service through no cost technical, compliance and financial assistance



Working with Recycling Vendors

Finding the right vendor for your recyclables requires a little bit of diligence and knowledge of your waste streams, storage capabilities and resources. The reality is that you may need more than one recycling vendor, and they are interested in large quantities on a regular schedule. To save yourself time and space, you can aim for mixed loads of recyclables. Separating recyclables takes employee time and containers.

Consider the following options before researching recycling options,

- Can you change the material you are using?
- Can you change the packaging to be reusable or reduce the amount of packaging?
- Can you begin a take-back program with the vendor?
- Is your packaging recyclable?
- Is your waste a resource for someone else?

Research what you have in place presently,

- When does your trash contract expire?
- Are the charges correct?
- Is the number of tips correct?
- Are the number and size of dumpsters correct?
- Are they "dumping air"?
- Are you paying more than one trash company?
- When is the last time you compared pricing?

Recycling Vendors



N.C. DIVISION OF
ENVIRONMENTAL ASSISTANCE
AND CUSTOMER SERVICE

Thank you!

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