CHOWAN RIVER BASIN REGIONAL COUNCIL

Martin Co. Community College
Bertie Co. Campus
Granville St.
Windsor, NC

April 6, 2000
3:30pm

AGENDA

Presiding: Vice-Chairman Brown

3:30pm	Call to Order and Welcome	Brewster Brown
3:35	Roll Call	Joan Giordano
3:45	Acceptance of Minutes	Brewster Brown
3:50	Old Business:	
	-Nominating Committee Report	Roger Spivey
	-Demonstration Project Update	Guy Stefanski
	-MOA Update	Ernie Brown
	-Vacancy Update & Officer Nominations	Joan Giordano
4:15	New Business:	
	-Discussion: Nucor barge origins and effects of barge traffic/wave action on the river	All
5:30	Public Comment	
5:45	Plans for next meeting	
6:00	Adjourn	

Chowan River Basin Regional Council
Martin Community College – Windsor Center
April 6, 2000

MINUTES

Vice-Chairman Brewster Brown called the meeting to order at 3:30 P.M. Joan Giordano conducted the roll call. A quorum was present (attendance list attached). Joan announced that Michelle Fults, VA-DEQ, would replace Kevin Curling as our contact with that office.

A motion was made by Capt. Al Howard to accept the minutes of the last meeting as mailed. Second was made by Roger Spivey. Minutes were approved.

Old Business:

Nominating Committee Report – Roger Spivey presented the following slate of officers for 2000:

Brewster Brown – Chairman
Marjorie Rayburn – Vice-Chairman
Nan Laughton - Secretary

Capt. Howard made a motion that nominations be closed and this slate of officers be approved as presented. Second was made by Billy Griffin. Motion passed. Chairman Brown urged council members present to recruit active members for the council. He also invited council members to attend the Coordinating Council meetings. This is a good way to learn more about the mission of the councils and how they are supposed to work. The next Coordinating Council meeting will be on Wednesday, April 26th, 9:30 AM in Greenville at the Courtyard by Marriott on Stantonsburg Road.

Demonstration Project Update - Guy Stefanski reported that the agreement has been signed for the Precision Ag/GPS Guided Soil Sampling and Nutrient Application Project. Soil sampling has been underway since January. Colerain Peanut and Supply has been contracted to do the work. Currently there are ten farmers trying GPS precision agriculture for the first time. Billy Griffin and Joan will look into getting some press coverage of this project. The importance of documenting the entire process was stressed. Billy will provide a written summary of the project. The goal of this project is that cost-share assistance for this practice to be made available to farmers in the future.

In approximately three weeks the contract for the subsoiler should be signed then we can get this project underway. This project includes a partnership with the Mid-East RC&D and the Vernon James Research Center (Dr. Dave Lindbo). The subsoiler will probably be used in Aulander; however, we will check with the Town of Winton since they will be receiving more input into their system from the new prison and Nucor.

Guy requested that he be included all along the way in each project. He would come out to take photos and provide other documentation.

MOA Update - Guy reported on behalf of Ernie Brown. Guy has spoken with Ernie recently concerning the status of the MOA. Ernie stated that the Virginia Legislature has been in session and this has caused the delay. He feels that the MOA will be signed in late spring or early summer.

Ernie has expressed the need for money to hire someone to assist him with working with the council and North Carolina to find common ground on what NC and VA can do together to solve our water quality problems. There is $25,000 available in the Chesapeake Bay Program; however, he needs $20,000 more to hire some for 35 hours a week. He has asked Guy to help him write a job description for this position. The position would coordinate between NC and VA, but be headquartered in VA. Ernie is also promoting regional "round tables" in VA to discuss NC/VA water quality issues.

Brewster asked if it would be appropriate to explore the possibility of using the remaining $15,000 (from all regional councils) to write a demonstration project to fund the position. This would certainly show good faith on our part and be an example of how two states can work together. Council members agreed that this was a great idea. Guy will contact members of the other councils to see how they feel about using leftover funds in this way.

Victor Lui stated that Virginia doesn't plan at the watershed level but within planning districts. He feels that NC is ahead of Virginia in this way. John Carlock stated that he is working with soil and water districts in the lower James area in setting up roundtables.

Vacancy Update - Joan stated that she has mailed out nomination forms for the Interest Group category and that she will mail some forms out with the minutes of this meeting. Robin Smith, Assistant Secretary of DENR has stated that Sec. Bill Holman should be approving nominations soon. Sec. Holman has Marjorie Rayburn's application as well as some for the Roanoke Council. For the Business and Industry category, Brewster will contact Gary Purvis of Mid-East Aluminum to see if he will serve. If Mr. Purvis is not interested, Brewster will contact Nucor for a representative. Currently there is not representative for Tourism. This person does not have to come from Chowan. Nan will talk with Albemarle RC&D council members from Gates to see if one of them would serve in the County Representative category for Gates. Joan wrote letters to the towns and counties with inactive council members asking them to appoint someone who would be willing to actively serve on the council. She got the same names back! Capt. Howard volunteered to contact the Town of Edenton and Chowan County regarding their council representation.

NEW BUSINESS

Nucor Barge Origins and Effects - Much concern was expressed over the barges and tugs that will be used at Nucor. The Chowan River is a slow-moving, nutrient sensitive river and its swamps are important spawning grounds/nursery areas for aquatic life. The

following questions were raised:
What will be the source of the barges? Where are they coming from? Zebra mussel concerns....
What will be the impact of the big tugs on the river? Turbidity? Oil and gas leakage?
What is the operational procedure of the tugs? Pumping of the bilges?
What will be the speed of the tugs?
How much wake will be generated?

Brewster will contact Nucor and ask to see their plans for the barges, etc. Council can glean information from this and then asked Nucor questions that may not be addressed in their plan. Joan and Guy will check with CAMA regarding permits, etc. We will invite Nucor to attend our next council meeting.

Public Comment - Lee Wynns expressed concerns about TMDL allotments. Brewster asked Joan and Guy to get more information on TMDL's and to share this with the council.

There being no further business, the meeting adjourned at 5:30 P.M.

Respectfully submitted,

Nan Laughton
Recording Secretary

Attachments

CHOWAN RIVER BASIN REGIONAL COUNCIL

BERTIE

County Representative
William Griffin, Jr.
Co. Extension Agent
P.O. Box 280
Windsor, NC 27983
252-794-5317

Municipal Representative
Lee Wynns, III
Mayor of Colerain
P.O. Box 6
Colerain, NC 27924
252-356-4387

Agriculture
G.D. Perry
129 S Perry's Beach
Colerain, NC 27924
(252) 356-4814

Business/Industry
*John Stallings
1001 Stokes Ave.
Windsor, NC 27983

CHOWAN

County Representative
Wayne Goodwin
County Commissioner
2800 Virginia Rd.
Tyner, NC 27980
W - 252-221-8665
Fax - 252-221-2292
H - 252-221-4939

Municipal Representative
Jerry Parks
Town Council
105 Kimberly Dr.
Edenton, NC 27932
W - 252-338-4410
Fax - 252-338-4486
H - 252-482-3276

Silviculture
Roger Spivey
345 Gliden Rd.
Hobbsville, NC 27946
252-482-4554 or 331-4781

Tourism
VACANT

At-large
Alfred Howard
304 Pocahontas Trail
Edenton, NC 27932
252-221-4977

Soil & Water Conservation
Nan Laughton
414 W. Queen St.
Edenton, NC 27932
252-482-7437

GATES

County Representative
*VACANT

Municipal Representative
*VACANT

Environmental Science
*Patricia Piland
Rt. 2 Box 93-A
Gates, NC 27937

HERTFORD

County Representative
William Earley
Economic Developer
P.O. Box 429
Winton, NC 27986
252-358-7801

Municipal Representative
Bill Pless
Town Manager
P.O. Box 6
Murfreesboro, NC 27855
252-398-5904
Fax: 252-398-5973
Wrp@albemarlenet.com

Conservation
Brewster Brown
Roanoke-Chowan Community College
Rt. 2 Box 46-A
Ahoskie, NC 27910
252-332-5921

Business/Industry
VACANT

NORTHAMPTON

County Representative
Charles Vaughan
County Attorney
P.O. Box 370
Woodland, NC 27897
252-587-5631

Municipal Representative
*VACANT
Carter

Commercial fishing
VACANT

VIRGINIA

John Carlock, Director
Physical & Environmental Planning
Hampton Roads Planning District
723 Woodlake Drive
Chesapeake, Virginia 23320
(757) 420-8300

Victor Liu, Principal Planner
Crater Planning District Commission
P.O. Box 1808
Petersburg, Virginia 23805
(804) 861-1666

Michelle Fults, Env. Engineer
VA DEQ
5636 Southern Blvd.
Virginia Beach, VA 23462
(757) 518-2160

Ernie Brown
VA Dept. Conservation & Recreation
1548 Holland Road
Suffolk, VA 23434

***Denotes perspective council member pending formal appointment/approval process. Individuals have been attending meetings, but are not "official voting members".**

April 2000

PUBLIC NOTICE

PUBLIC MEETING REGARDING STEEL SCRAP MANAGEMENT PLAN FOR NUCOR STEEL - HERTFORD COUNTY, NORTH CAROLINA

Nucor Steel has drafted a steel scrap management plan pursuant to the requirements of its Prevention of Significant Deterioration (PSD) Air Quality Permit #08680R01 under Part A. Specific Conditions and Limitations, Item #20.

The purpose of the plan is for control of volatile organic carbon (VOC) and sulfur dioxide (SO_2) emissions from the melting of steel scrap in an electric arc furnace. The plan shall include scrap specifications, inspection procedures and a record of each shipment received that is rejected with the date and reason for rejection. In addition, the plan shall include clear, measurable, management strategies to minimize the emissions of VOC's and SO_2 emissions.

The plan will be reviewed and approved by the Department of Environment and Natural Resources, Washington Regional Supervisor, Division of Air Quality.

Steel scrap that is received by Nucor Steel is prepared and sorted prior to delivery at the facility.

A copy of the plan is available for public review during normal business hours at the following locations:

NCDENR
Division of Air Quality
Washington Regional Office
1424 Carolina Avenue
Washington, NC 27889

Albemarle Regional Library
204 Walker Street
Winton, NC 27986

A public meeting will be held at 4:30pm on Thursday, June 1, 2000 in the Marks Hall Auditorium at Chowan College, Murfreesboro, North Carolina.

The public meeting will be conducted in the following manner:

1. Presentation by Nucor on its draft steel scrap management plan.
2. Explanation, if requested by NCDENR, on plan purpose and requirements.
3. Public comments on plan. Sign up during registration of meeting.
4. Questions for clarification.
5. Closing statements by NCDENR, if requested.
6. Closing statement by Nucor.

Nucor Steel - Hertford County, NC will be holding a public meeting on Thursday, June 1, 2000 at 4:30pm in the Marks Hall Auditorium at the Chowan College in Murfreesboro, North Carolina to discuss its Steel Scrap Management Plan.

See attached notice that will be published in the News Herald next Tuesday and Thursday (5/2/00 and 5/4/00) as well as copies for review at NCDENR office in Washington, NC and the Albemarle Regional Library in Winton, NC.

Any questions, please contact me. Thanks.

Chad Prior, P.E., REM
Environmental/Water Systems Supervisor
Nucor Steel - Hertford County, NC
(252) 356-1550 direct dial
(252) 356-1330 fax
cprior@nucorhertford.com

SCRAP PLAN

FAX COVER SHEET

TO: Chad Prior

DATE: 24 Apr 00 FAX NUMBER: 252-356-1330 ~~252-393-7500~~

NUMBER OF SHEETS IN THIS TRANSMISSION: 9

FROM: EDWARD CHILDS
North Carolina Department of Environment and Natural Resources, Division of Air Quality
Washington Regional Office
943 Washington Square Mall
Washington, NC 27889

PHONE: (252) 946-6481 ext. 267 FAX: (252) 975-3716

Chad,

This is a good first attempt, but it will require further detail. My take on it is how the inspector, me, will know that the scrap plan is being followed and be able to tell good scrap from bad while on site. For me the point is to minimize non-scrap material that gets into the process.

Give me a call.

Edward

Physical Address
1505 River Road
Cofield, NC 27922

Nucor Steel – Hertford County, NC
A Division of Nucor Corporation
Phone (252) 356-1550
Fax (252) 356-1330

Mailing Address
POB 279
Winton, NC 27986

February 16, 2000

Vic Copelan
NCDENR
DAQ - Regional
943 Washington Square Mall
Washington, NC 27889
[fax/postal mail]

RE: Nucor Steel - Hertford County, NC
PSD Permit #08680R01
Steel Scrap Management Plan

Dear Mr. Copelan:

Attached for your review and approval, you will find Nucor's steel scrap management plan pursuant to the PSD permit #08680R01, Section A. Specific Conditions and Limitations, item #20 for Nucor Steel - Hertford County, NC.

If you should have any questions, please feel free to contact me at (252) 356-1550.

Sincerely,

Chad Prior, P.E., REM
Environmental/Water Systems Supervisor

ATTACHMENT

NUCOR STEEL

PLATE RECYCLING MILL
HERTFORD COUNTY,
NORTH CAROLINA

PREPARED AND SORTED
STEEL SCRAP MANAGEMENT PLAN

February 2000

- Any scrap having chemistry significantly different from typical scrap grades. Is this defined below?

3. DESCRIPTION OF PREPARED AND SORTED STEEL SCRAP MATERIAL

#2 STEEL

Steel scrap 1/8 inch minimum thickness, 8 inch maximum thickness. Size not to exceed 4 feet x 2 feet. Can be black or galvanized. May include automotive scrap (rear ends, torque converters and transmissions) if properly prepared.

SHREDDED SCRAP

Homogeneous steel scrap magnetically separated and originating from automobiles, umprepared #1 and #2 misc. bailing and sheet iron. No tin cans, incinerator scrap or turnings. Size not to exceed 1 foot any dimension. Minimum density of 55 #/CF.

How does one tell the difference between this and machine shop turnings?

#1 STEEL

Clean, alloy free, 1/4 inch and heavier, not to exceed 4 feet x 2 feet. Not to include flashings, cast iron, cables, boiler tubes, automotive scrap, farm machinery, sealed containers, gears, shafts or coated materials. Minimum density of 65 #/CF.

#1 BUSHELING

Free of coils, bundles, and nails. No mandrel coils or slitter coils will be accepted. Clean, alloy free steel sheet scrap. Not to include old auto body or fender stock flashings, or tin plate material. Maximum size 4 feet and under. Electrical sheet stock (over 0.50% Si) will not be accepted. Minimum density of 40 #/CF.

PLATE & STRUCTURAL

Clean, alloy free steel plate scrap and structural shapes, minimum 3/16 inch thickness. Size not to exceed 4 feet x 2 feet. Not to include cut or uncut cylinders of any type (able to hold up or trap water). Minimum density of 65 #/CF.

1. PURPOSE

- **This plan is developed for controlling and minimizing volatile organic compounds (VOC's) and sulfur dioxide (SO_2) emissions due to the melting of prepared and sorted steel scrap material in the electric arc furnace.**

3. GENERAL SPECIFICATIONS FOR PREPARED AND SORTED STEEL SCRAP MATERIAL

- **Any steel scrap that does not conform to specifications may be rejected and returned at the supplier's expense. All non-conforming scrap will be submitted to the melt shop's steel scrap supervisor for proper disposition.**

- **Exceptions to specifications must be approved by Nucor and noted on purchase order, bill of lading or weight ticket.**

- **All materials to be consumable and acceptable to the consumer and among other things may not contain unacceptable levels of following:** Please define below
  - **Non-metallics such as wood, cement, dirt, rubber and plastic;**
  - **Non-ferrous metals such as brass, bronze, copper, lead, aluminum, tin, etc.;**
  - **Closed containers, cylinders, tanks, other sealed units unless ends are cut open or have a minimum of two large holes, are empty of contents and do not have capacity to hold rainwater during storage;**
  - **Excessive oil and grease;** does this include cutting oil? Are any oils or greases exempted? define
  - **No ordinance/military material is allowed;**
  - **No radioactive material will be accepted, unless approved by the NCDENR Division of Radiation;**
  - define **No hazardous material is allowed. This includes any material that could pose health, environmental or safety hazards during storage or recycling;**
  - **Material which poses operational difficulty while unloading, loading, and recycling;**

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#1 BUNDLES

Steel sheet scrap, clippings or skeleton scrap compressed into a bundle with maximum dimensions of 3 feet x 3 feet x 3 feet. Density not less than 75 #/CF.

FLASHING

Steel flashing 1/16 inch minimum thickness. Size not to exceed 4 feet in length. Must be suitable for magnetic banding (i.e., non-tangling). Minimum density of 45 #/CF.

#2 BUNDLES

Black and galvanized steel sheet scrap compressed not less than 75 #/CF.

MACHINE SHOP TURNINGS

Clean, dry and alloy free carbon machine shop turnings. Maximum 1 foot in length.

4. Prepared and Sorted Steel Scrap Receiving Inspection

I. Purpose

define

The purpose of this procedure is to insure that all prepared and sorted steel scrap received is the grade ordered, is free of excessive dirt, oils, grease and other non-metallic materials, and is free from any man-made & naturally occurring radioactive materials.

Are there greases & oils that are acceptable in larger quantities than others?

II. Responsibility

The melt shop is responsible for checking all incoming prepared and sorted steel scrap for radioactivity and non-grade material and completing the receiving paperwork.
The melt shop is responsible for checking the scrap during unloading and use.

The melt shop is responsible for completing a scrap report on all non-conforming loads.

There should be a scrap report on all loads that specifies conforming or non-conforming for all the categories.

Open contract and shipping notice lists to the melt shop will be provided.

III. Procedure

a) All prepared and sorted steel scrap is purchased through a Broker or by Nucor directly. Contracts for purchased scrap are issued by the broker or Nucor.

b) The melt shop is responsible for checking the loads of all trucks, rail cars and barge off-loading from the dock via trucks of the steel scrap with the radiation detector as it approaches the scales. If the detector alarm goes off, re-test the scrap two more times. If none of the re-tests generate an alarm, the scrap can be used. If either re-test generates an alarm, place the car on hold and notify the Radiation Safety Officer.

c) Truck receiving

- **Weigh the truck in.**
- **Compare the contract # on the bill of lading to the open truck contracts.**
- **The truck contract gives the contract #, shipper and grade of scrap.**
- **The date, contract #, grade, hauler, truck # and gross weight on a weight ticket will be recorded.**
- **Do not receive a truck without a valid contract #.**

d) Rail receiving

- **Weigh the rail car in.**
- **Compare the rail car # to the open rail shipping notices.**
- **The rail shipping notice includes the contract #, shipper, and grade of scrap.**
- **The rail car #, grade, contract #, gross weight, and stenciled tare weight on a weight ticket will be recorded.**
- **Do not receive a rail car without a valid contract #.**

e) Barge receiving via unloading into off-road trucks

- **Weigh the off-road truck in.**
- **Compare the contract # on the bill of lading to the open barge contract.**

- The barge contract gives the contract #, shipper and grade of scrap.
- The date, contract #, grade, truck # and gross weight on a weight ticket will be recorded.
- Do not receive a barge without a valid contract #.

f) Melt shop operators direct where loads of steel scrap will be unloaded.

g) Melt shop operators inspect scrap during weighing for non-grade materials and conformance to ordered grade.

- Inspect all railcars and trucks during unloading.
- Size - all scrap purchased is 4' maximum length with 2'x2'x3' being the maximum bundle size. Notify the melt shop of any loads that have excessive amounts of oversized scrap.
- Foreign materials - notify the melt shop of any loads which contain excessive wood, dirt, oils, grease, rubber, etc.
- Grade - notify the melt shop of any loads that are not the grade ordered or that are topped off (scrap of a lower grade or foreign materials hidden beneath a layer of the ordered grade).
- Prepare report for all loads of non-conforming scrap. Forward it to the melt shop with a recommended disposition for the scrap (downgrade, discount, rejection, accept as is).
- Notify the broker or Nucor of any sub-standard scrap. Document the disposition of the scrap on the weigh ticket and the report. Forward completed report to the melt shop.

h) Light weigh all trucks and rail cars before they leave the plant site.

Define how this would be determined. In other words, what kind of things would cause immediate rejection. The way it's written would leave one to believe that excessive plastic in the scrap would just generate a discount price for the load. The concept behind the plan is to reject this type of material all together.