#### Environmental Advisory Commission

April 2, 2015

5:30pm City Hall Council Chambers

# Agenda "



Find yourself in good company

#### **Basic Motions**

#### Motion

Calls for Action Debatable Simple Majority

Motion to Amend Changes Original Debatable Simple Majority

#### **Other Motions**

#### Table

Postpone Vote No Discussion Simple Majority

Close Debate End Debate & Vote No Discussion 2/3 Majority

#### Reconsider

Change Prior Decision Voted in Majority Within One Meeting Debatable 2/3 Majority

#### Recess

Take a Short Break No Discussion Simple Majority

Consensus Process
If 1-Vote Majority
Debatable
3 Votes to Pass

#### Adjourn

End the Meeting No Discussion Simple Majority

Actions and discussion are governed by motions. Only 3 motions on the table at once (a 4<sup>th</sup> would be out of order). Most recent motion is considered first.

#### ☐ Convene meeting + Reminder: Turn off Cell Phone

I. Roll Call/Quorum \_\_\_\_\_ Board Members (quorum = 4)

- II. Pledge of Allegiance
- III. Additions/Deletions/Approval of Agenda
- IV. Approval of March 5, 2015 Minutes (Attachment A)
- V. Announcements

#### VI. Public Comment Period

Public Comment Period is a period reserved for comments by the public. A total of 30 minutes is allocated with each individual being allowed no more than 3 minutes each. The Public Comment Period will be closed once the allocated time has been reached.

#### VII. New Business

- a. 2015-2016 EAC Grant Review, Discuss, Approve (Attachment B) (20 min) A. Boone
- b. Community Appearance Commission Update (5 min) M. Behm
- c. Greenville Bicycle & Pedestrian Commission Update (5 min) E. Kane
- d. Public Transportation & Parking Commission Update (5 min) E. Kane

#### **VIII. Old Business**

- a. River Park North Symposium (Attachment C) (10 min) J.C. Woodley
- b. State of the Environment Discussion (10 min) J.C. Woodley
- c. Plastics Resolution Discussion (10 min) J.C. Woodley
- d. Update on No Idling Resolution (Attachment D) (5 min) A. Boone
- e. Strategic Plan Update and Discussion (15 min) J.C. Woodley

#### IX. Other - FYI

- a. Recycling Report (Attachment E)
- b. Quarterly UST Report (Attachment F)

#### X. Proposed Agenda Items - May 7, 2015

- a. FROGGS Update
- b. Solar Presentation by Jon Weaver
- c. Neighborhood Advisory Commission Update (D. Ames)
- d. Planning & Zoning Commission Update (J. C. Woodley)
- e. River Park North Symposium Recap
- f. Recycling Report

#### XI. Adjourn

| 7. <b>,</b> | Items for Future Consideration |  |  |  |  |  |  |
|-------------|--------------------------------|--|--|--|--|--|--|
| -           |                                |  |  |  |  |  |  |
|             |                                |  |  |  |  |  |  |

#### 2015

#### **Board Members**

#### **Chair**

1. J. C. Woodley (Chair)

#### **Commission Members**

- 2. David Ames
- 3. Scott Anderson
- 4. Michael Behm
- 5. Owen Burney, Jr.
- 6. Emilie Kane
- 7. David Kimmel (Vice-Chair)

#### **Ex-officio**

Kevin Mulligan (Public Works)

#### **Staff Liaison**

Amanda Boone (Public Works)

#### **City Council Liaison**

Marion Blackburn

#### **Environmental Advisory Commission Mission:**

The Environmental Advisory Commission is hereby created for the primary purpose of recommending matters of environmental concern and serve as technical advisory to the City Council.

#### **Environmental Advisory Commission Purpose:**

- Inventory and review, on a continuing basis, the condition of threats to, the environmental resources of the City; and as technical advisors, to report all needs for improvement and corrective actions to the City Council.
- To be advisory to the City Council. The commission will recommend to the City Council matters of city-wide environmental concern and shall serve as technical advisors to the City Council on environmental matters. In addition, it will review Environmental Impact Statements required by the City on major development projects.

# ATTACHMENT A (March 5, 2015 Minutes)

Action: For your review and approval.

# DRAFT OF MINUTES PROPOSED FOR ADOPTION BY THE ENVIRONMENTAL ADVISORY COMMISSION March 5, 2015

#### CALL TO ORDER

Members of the Environmental Advisory Commission met on the above date at 5:30 p.m. in the Council Chambers, City Hall. Mr. James Woodley, Chairperson, called the meeting to order and welcomed all those present. The following attended the meeting:

#### 1. ROLL CALL

#### **MEMBERS:**

David Ames Scott Anderson
Owen Burney Emilie Kane
David Kimmel James Woodley

#### **OTHERS PRESENT:**

Council Member Marion Blackburn Amanda Boone, City of Greenville Amanda Braddy, City of Greenville

#### 2. PLEDGE OF ALLEGIANCE

#### 3. ADDITIONS/DELETIONS TO THE AGENDA

There were no additions or deletions to the agenda. Mr. Woodley asked that New Business Item VII.E. be moved to coincide with New Business Item VII.A. A motion was made to approve the agenda as amended by Mr. Kimmel. A second was made by Mr. Burney and the motion passed unanimously.

#### 4. APPROVAL OF FEBRUARY 5, 2015 MINUTES

A motion was made by Dr. Ames to approve the February 5, 2015 minutes as presented. The motion was seconded by Mr. Burney and passed unanimously.

#### 5. ANNOUCEMENTS

- Ms. Boone announced no applications have been received to date for the 2015-2016 EAC Grant.
- Ms. Boone requested all members respond by email to Ms. Braddy on their attendance to EAC meetings to establish quorum.

#### 6. PUBLIC COMMENT PERIOD

There were no public comments

#### 7. NEW BUSINESS

#### A. Comprehensive Plan Committee Request

Mr. Woodley directed attention to the request by Thomas Weitnauer, Chief Planner with the City of Greenville, for an EAC Commission member to serve on the Comprehensive Plan Committee. The Committee is preparing to update the City of Greenville's Comprehensive Plan. Mr. Woodley stated he would be willing to serve on the Committee as long as possible; however, he would like to have another member be willing to serve as well in the event he has to step down from the Commission. A motion was made by Mr. Kimmel to have Mr. Woodley serve as the designated EAC member on the Comprehensive Plan Committee. The motion was second by Dr. Kane passed unanimously. No secondary member was selected at this time.

#### **B.** Commission Update Discussion

Mr. Woodley stated EAC went through a process of selecting other City Commissions to receive information and updates on from assigned EAC members. The list of those Commissions with respective reporting members was presented. Mr. Woodley reminded everyone of the upcoming vacancies on the EAC board and requested those that would be remaining to volunteer to provide the updates to EAC. Mr. Anderson reported the Redevelopment Commission is in a flux state due to the unavailability of funding sources. Mr. Woodley stated this Commission would be put on hold until further information could be provided. The following list with members and commissions were determined:

| Commission                        | <b>EAC Member</b> | Next Report Date to EAC          |
|-----------------------------------|-------------------|----------------------------------|
| Community Appearance              | Dr. Kimmel        | October 1 <sup>st</sup>          |
| Greenville Bicycle and Pedestrian | Dr. Kane          | April 2 <sup>nd</sup> (Dr. Behm) |
| Greenville Utilities              | Dr. Kimmel        | September 3 <sup>rd</sup>        |
| Neighborhood Advisory             | Dr. Ames          | May 7 <sup>th</sup>              |
| Planning & Zoning                 | Mr. Woodley       | May 7 <sup>th</sup>              |
| Public Transportation & Parking   | Dr. Kane          | April 2 <sup>nd</sup>            |
| Recreation & Parks                | Mr. Woodley       | October 1 <sup>st</sup>          |

Dr. Kane commented she had attended the Public Transportation and Parking Commission's (PTPC) meeting. Dr. Kane stated the Chairperson for this commission was unaware of EAC reporting on PTPC events. Dr. Kane asked if the commissions were being notified of our attempts of interaction. Dr. Kimmel stated he had contacted the Chair of the Greenville Utilities Commission and received their minutes by email. Ms. Boone stated EAC members could attend meetings, contact members of other commissions or read the agendas and minutes as posted on the City of Greenville's website. Dr. Kane commented she felt it would be advantageous to have each EAC member to contact their reporting commission's chairperson and introduce themselves.

#### C. Recreation & Parks Commission Update

Mr. Woodley reported there were some planned changes to Town Commons. Mr. Woodley also reported The Tar River Legacy Plan has been presented to City Council and a steering committee is being established. Mr. Woodley reminded the group of the River Park North Symposium activities being held on April 20, 2015. Mr. Woodley asked the group to consider having Mr. Christopher Horrigan from River Park North update EAC on their activities throughout the year.

#### D. Redevelopment Commission Update

Mr. Anderson stated the Redevelopment Commission has utilized their funds. The Commission is working to complete current projects; however, there are no incoming funds.

#### E. Greenville Utilities Commission (GUC) Update

Dr. Kimmel reported GUC had adopted the 2012 Local Water Supply Plan. Dr. Kimmel is researching the report further and will give an update on the plan when it becomes available to him. Dr. Kimmel also reported GUC is adopting a water capital project for the water main rehabilitation for the City. \$1.5 million has been set aside to develop an evaluation of the system and to assure the installation of the system will be completed in a cost effective manner. Dr. Kimmel stated a resolution was being considered to annex the Compressed Natural Gas facility location within the City limits to allow the project to proceed.

#### F. Plastics Resolution Discussion

Mr. Woodley presented members with a draft resolution for plastic bags. The resolution offered various options to address plastic bags within the community. Dr. Ames stated EAC had previously addressed plastic issues and their effect on the environment and asked who initiated the discussion. Mr. Burney responded that Mr. Wayne Caldwell had developed a presentation with information on plastics and presented it to EAC. Dr. Ames suggested having the information previously discussed added into the resolution.

Mr. Woodley commented the target audience would need to be identified with the resolution to allow education opportunities.

Mr. Woodley commented the Keep Greenville Beautiful Committee (KGB) would be meeting March 11, 2015 and would have a discussion on options for plastics as well. Dr. Kane questioned the relationship of KGB to the City. Ms. Boone stated KGB met in the Public Works Department and felt the City had a connection with the group. Ms. Boone stated due to this relationship, she felt the recommendations of KGB should be taken into consideration.

Dr. Kane questioned the depth of actions EAC should advocate in advising City Council. Dr. Kimmel stated he felt the role of EAC was an advisory role and the resolution offered City Council options that allowed EAC to act within that role.

Dr. Ames proposed tabling further discussion to the April 2, 2015 meeting to allow KGB to meet and report to EAC their recommendations and to allow Council Member Blackburn to propose the best approach to City Council.

Mr. Woodley asked that an update on the No Idling Resolution and its status be added for discussion to the April 2, 2015 meeting.

#### 8. OLD BUSINESS

#### A. River Park North Symposium/State of the Environment Discussion

Mr. Woodley stated River Park North Symposium is being held April 20, 2015. EAC has secured a table for the event and will need to be available from 9am for setup until 3pm for tear down. Mr. Woodley will attend and asked for volunteers to assist him. Dr. Kane and Dr. Ames stated they would check their calendars to see if they would also be able to attend.

Mr. Woodley asked members what information they would like to provide on the table. Mr. Woodley stated he felt the grant recipients should be highlighted as well as a fact sheet with EAC information. Ms. Boone stated the plastics brochure with recycling information could also be highlighted and Cheryl Tafoya, City of Greenville Recycling Coordinator, may provide some handouts for the table as well.

The discussion then shifted from the River Park North Symposium to the State of the Environment.

Mr. Woodley directed attention to the handout regarding the State of the Environment symposium. Mr. Woodley stated the event would provide a forum for residents of the City and Pitt County to receive information regarding the environment they live, work, and play in. Mr. Woodley stated the handout provided was not an all inclusive list; however, the list detailed the initial steps to establish the process of moving forward with an event.

Dr. Ames stated he felt the concept of the symposium was an excellent idea and EAC should consider moving forward with the plan. Dr. Kimmel asked how the event would be financed. Mr. Woodley stated he felt a nominal fee could be charged as well as sponsorships. Dr. Kimmel

suggested contacting the environmental stakeholders identified to determine if they would be interested in participating. Dr. Kimmel also commented having activities to target children and this would bring in adults as well. Dr. Ames stated he felt the symposium should be endorsed by City Council before moving forward. Mr. Woodley will follow up with the suggestions provided and report to EAC at the April 2, 2015 meeting.

#### B. Strategic Plan Update

Mr. Woodley directed attention to the draft vision statement of the Environmental Advisory Commission as handed out. The document provided core issues that could be addressed and assist new EAC members with the functions of EAC and how it relates to City entities. Mr. Woodley stated this would be a companion to the framework as presented at the February 5, 2015 meeting. Mr. Woodley asked that members review the document and be prepared to provide feedback and report back at the April 2, 2015 meeting.

#### 9. OTHER-FYI

A. Recycling Report

#### 10. PROPOSED AGENDA ITEMS

The following items are proposed for the April 2, 2015 meeting:

- A. 2015-2016 EAC Grant Review, Discuss, Approve
- B. Greenville Bicycle & Pedestrian Commission Update (Behm)
- C. Public Transportation and Parking Commission Update (Kane)
- D. Community Appearance Commission Update (Behm)
- E. River Park North Symposium/State of Environment Discussion
- F. Plastics Resolution
- G. Update on No-Idling Resolution
- H. Strategic Plan Update and Discussion
- I. Recycling Report
- J. Quarterly UST Report
- **11. Adjournment** –There being no further business to discuss, Mr. Anderson made a motion to adjourn. The motion was seconded by Dr. Ames and passed unanimously. The meeting adjourned at 7:04pm.



Action: For your review and approval.

Grant 1

Love A Sea Turtle

River Guardian Project

Grant Cycle: 2015-

#### APPLICATION PACKAGE

Form must be typed using Time Roman 12 point font. Hand-written applications will not be accepted

| Name of Youth Organization<br>Submitting Application   | Love A Sea Turtle   |
|--|---|
| Contact Information Contact person Address Phone number Email  | Casey Sokolovic 105 Bishop Drive Winterville, NC 28590 252-355-7486 loveaseaturtle@suddenlink.net |
| Contact Information of Grant Administrator (if different from above) Contact person Address Phone number Email | Dan Sokolovic PO Box 20154 Greenville, NC 27858 252-355-7486 dkcc@live.com                        |
| Project Name   | River Guardians Project   |

Project Description (max. 500 words)

The River Guardians Project is a stream monitoring and stormwater education project that will provide an instructor once a week to engage students participating in the Police Athletic League afterschool program. They will learn effective methods to help insure a clean drinking water supply as well as the impact they have on the upstream downstream connection from their home to the ocean. The outcomes of this project include for the students an understanding of the impact, complexity and importance of fresh water conservation issues, storm water issues, and the potential impact they can have on a local, regional and global basis. It will allow them to get actively involved and know they are making a difference in their community. They will gain the tools, skills and knowledge necessary to take back and share with their classmates, friends and family members.

#### Project Description continued

Students are directly involved and will gain firsthand knowledge about the quality of fresh water and stormwater issues in their river basin. They will collect and weigh trash from river clean ups, take the 40 Gallon Water Challenge to pledge to reduce their water consumption, and learn to administer the 40 Gallon Challenge to other students, families, and friends. Students will identify potential nutrient pollution source points for their river section and offer remedies for how to improve the water to make it safe for swimming, drinking, and fishing. Participants will apply knowledge from the school curriculum in the areas of English, Science and Math that are in line with North Carolina Essential Standards. Stormwater learning activities will be hands-on, inquiry-based, and can be easily taught in and around the current Police Athletic League Thomas Foreman Park location. The students will experience real and relevant science in their neighborhood as Stormwater Sleuths. Activities may include creating A Crumpled Watershed Model, rain gauge usage, learning objectives and terminology with definitions, taking stormwater walks to identify and journal things that affect stormwater, learn about water treatment by making a filter to help clean dirty water, and collecting standing water along with river water and performing testing and discovering comparative results.

Community outcomes would include a better understanding of individual and community responsibilities in the area of recycling and water conservation.

This project enables students to engage in meaningful service and grow on many fronts. Through service to their community, students illustrate the link between economic development and human and environmental health. They serve as models and mentors for each other and their peers and include demonstrating the utility of STEM education and a needed connection with nature. Ultimately, they improve a resource that makes it possible for all the people who use the Tar River to swim, fish in, and drink higher quality water.

#### Rationale for Project (max 250 words)

· Outline why this project should be funded, i.e. what will this project contribute to improving storm water

Grant Cycle: 2015-2016

Love A Sea Turtle has identified a diverse student population needing and wanting STEM-focused water conservation practices and hands-on environmental service learning experiences. A shared concern for local drinking water, community health, and water quality in local rivers led to defining a problem central to this proposal by Love A Sea Turtle's student advisory team. The River Guardians Project offers service learning and mentorship opportunities focused on assessment, analysis, increased awareness, and group behavior modification.

Youth will learn the importance of water conservation, recycling, scientific methods, service learning, and develop self esteem. This project is directly linked to common core standards. Students will lead, organize and perform a fall and spring river clean-up of an assigned section of the Tar River, take the 40 Gallon Water Challenge, collect water samples weekly from an adjacent stream, and share data with us for publication.

Students will gather and analyze data including types of trash collected from a river clean up, water analysis including nitrogen, phosphorus and fecal coli-form, and land-based analysis of effects/sources of this pollution. Infrastructure includes studying a city's waste water treatment system and management plus sources of pollution.

Students will identify, develop and evaluate programs and propose solutions to pollution sources and lead and engage others in water conservation methods and recycling.

#### Partners or Groups Involved (max. 250 words)

· Describe the group(s) and how they will be involved in the project

The project is a culmination or capstone project from over 9 years of work by Casey Sokolovic, 17 year old founder of Love A Sea Turtle. Her Turtle Team members have actively sought ways to expand their message, programs, and projects. The development of the River Guardians Project and project partnership with the River Guardian Foundation is an extension of the work that this team currently and actively engages in. Each area of the project received input from Turtle Team members and support from Love A Sea Turtle volunteers and board members and George Matthis, River Guardian Foundation executive director. Collected data will be shared with River Guardian Foundation and NCDENR.

An East Carolina University undergraduate biology student will administer the proposed program under the guidance and supervision of Leah Connell, Love A Sea Turtle's science director and Wayne Community College environmental biology instructor. We are currently pilot testing this program with this same criteria and curriculum.

Students from the Police Athletic League will participate in the River Guardians stream monitoring and stormwater education project by learning to use variety of scientific equipment to test water samples collected from the Tar River utilizing proper scientific methods. This will also serve the larger community as students return to their homes and talk with their families about the river pollution and what each of us can do about it.

Grant Cycle: 2015-2016

#### Risks and Responses

 List any possible risks that may hinder the successful implementation of the project and note how these risks may be overcome

Risk: Opposition to being outdoors and experiencing nature Response: Nature walks, outdoor stormwater source point site audits

Risk: Fear of using highly scientific equipment Response: Hold training session to learn proper use of equipment for ease and comfort level Professional scientific equipment is owned by Love A Sea

Turtle and will not have to be purchased Risk: Unable to swim; fear of water

Response: Training and kayak instruction; fitted for personal flotation devices and required to wear; lifeguards provided

Risk: Weather dependent for river clean ups

Response: May require alternative dates and flexibility

Risk: Weekly commitment for the Turtle Team mentors who are trainers and support help

Response: Advance planning and scheduling would be

required to coordinate

#### Implementation Timeline

List key dates

June-July, 2015 – Recruit students for summer camps; Students participate in 1-2 summer day camps August – Training sessions with students; Begin water testing and 40 Gallon Water Challenge pledge September – Plan early fall season river and land clean-ups; continue water testing; begin training for students to administer 40 Gallon Challenge to friends and families October - Continue water testing; Hold river clean-up November - Continue water testing; Hold land clean-up December - Continue water testing

January - Continue water testing

February - Continue water testing; Plan spring river and land clean-ups

March - Continue water testing; Plan Reflection Celebration; Hold land clean-up

April - Continue water testing; Hold river clean-up

May - Continue water testing; Hold Reflection Celebration

March 16, 2015

To The Greenville Environment Advisory Committee:

The Police Athletic League (PAL) program brings youth under the supervision and positive influence of a law enforcement agency and expands public awareness about the role of a police officer and the reinforcement of the responsible values and attitudes instilled in young people by their parents.

Our afterschool program is currently located at the Thomas Foreman Park facility in Greenville and is supports the River Guardians Project to be provided by Love A Sea Turtle. This letter provides proof of location for the proposed project in our facility as well as use of the Thomas Foreman Park for outdoor environmental education activities.

Sincerely,

Officer Sylestine Smith Julishing Smith J-16 2015
Police Athletic League Coordinator

Grant 2

Love A Sea Turtle

**Upstream Downstream Connection Summer Camp** 

#### APPLICATION PACKAGE

Grant Cycle: 2015-2016

#### APPLICANT FORM

Form must be typed using Time Roman 12 point font. Hand-written applications will not be accepted

| Name of Youth Organization Submitting Application                                   | Love A Sea Turtle                          |
|---|--|
| Contact Information  Contact person   | Casey Sokolovic                            |
| · Address   | 105 Bishop Drive                           |
| Phone number  | 252-355-7486                               |
| • Email   | loveaseaturtle@suddenlink.net              |
| Contact Information of Grant Administrator (if different from above) Contact person | Dan Sokolovic                              |
| · Address   | 105 Bishop Drive                           |
| · Phone number  | 252-355-7486                               |
| • Email   | dkcc@live.com                              |
| Project Name  | Upstream Downstream Connection Summer Camp |

#### Project Description (max. 500 words)

Youth who attend our day camp and week-long camp programs will learn the importance of fresh water conservation, recycling, science facts and techniques, foster an appreciation for service learning, and develop self-esteem with new outdoor experiences and personal challenges. Each day during camp, students will collect a sample of water from a River Park North lake fed by the Pamlico Tar River. Utilizing a HACH spectrophotometer and the Vernier Lab Quest II, students will test for nitrogen, phosphorus, dissolved oxygen, turbidity, conductivity, pH and temperature while understanding the impact that storm water and other factors, manmade and natural, affects the rivers, lakes and oceans. Results will be documented by students in a data log book and samples will be examined with microscopes and field scopes to hunt for organisms and macro-invertebrates. Campers will foster discussion of their findings, whether positive or negative, possible environmental consequences, and conservation practices that could prevent or alter the findings. Students engaged in conservation, environmental issues, and problem solving help foster a better understanding of scientific processes and the need for preservation of nature.

Grant Focus: Stormwater Management

Grant Cycle: 2015-2016

Rationale for Project (max 250 words)

 Outline why this project should be funded, i.e. what will this project contribute to improving storm water management in Greenville?

Youth who attend our day camp and week-long camp programs will learn the importance of fresh water conservation, recycling, science facts and techniques, foster an appreciation for service learning, and develop self-esteem with new outdoor experiences and personal challenges. Each day during camp, students will collect a sample of water from a River Park North lake fed by the Pamlico Tar River. Utilizing a HACH spectrophotometer and the Vernier Lab Quest II, students will test for nitrogen, phosphorus, dissolved oxygen, turbidity, conductivity, pH and temperature while understanding the impact that storm water and other factors, manmade and natural, affects the rivers, lakes and oceans. Results will be documented by students in a data log book and samples will be examined with microscopes and field scopes to hunt for organisms and macro-invertebrates. Campers will foster discussion of their findings, whether positive or negative, possible environmental consequences, and conservation practices that could prevent or alter the findings. Students engaged in conservation, environmental issues, and problem solving help foster a better understanding of scientific processes and the need for preservation of nature.

Partners or Groups Involved (max. 250 words)

Describe the group(s) and how they will be involved in the project

Love A Sea Turtle will serve as the project coordinator and liaison to the entire effort.

River Guardian Foundation and its Executive Director, George Matthis, a retired NCDENR administrator, former executive director of the Neuse Riverkeeper Foundation and a current lecturer at Vance-Granville Community College in the Biology Department, will provide project design support and review of the water testing results and lesson plans.

The North Carolina Department of Environment and Natural Resources' (NCDENR) Water Quality Division will provide any requested testing for anomalous samples and will review the final data and utilize the results to assist in state monitoring of water quality.

The Lower Neuse Basin Association and its members support the project with the use and donation of HACH spectrophotometers and HACH water quality data collection meters. Program partners are given unique access to water treatment plant facilities and support from expert staff and knowledge base.

River Park North - The City of Greenville has extended to Love A Sea Turtle the exclusive use of the newly acquired 100 acres adjacent to GUC and the river. Love A Sea Turtle will perform daily testing of the lake, river and the canal/retainment pond in this area. The data will be made available upon request to the park manager and city water quality officials at the end of the summer.

Greenville Environment Advisory Committee Grant Grant Focus: Stormwater Management

Risks and Responses
List any possible
risks that may hinder
the successfu
I implementation of the
project and note how
these risks may be
overcome

**Risk**: a toxic chemical spill or an algae bloom in the river upstream and flowing through our area

Grant Cycle: 2015-2016

Response: The impact would be a positive teaching moment, albeit an extremely negative situation.

**Risk**: bad weather could affect our ability to conduct sampling and testing Response: Collect the samples before the weather impacts camp. Unfortunately, extreme weather for an outdoor camp is not something that can be responded to other than insuring camp safety.

Risk: fear of nature and the outdoors

Response: Campers will learn to identify common species indigenous to Eastern North Carolina and those that may be non-native or invasive species. Knowledge of something is the beginning of losing fear of it. Many of our past campers have had an innate fear of nature because they know nothing about it. As students learn about the species near their homes, they will begin to appreciate nature and want to protect it because of the importance and function of each species.

This program offers a unique opportunity to guide inexperienced youth into new activities. We have learned that most at-risk youth do not have the means, access, or parental support to be engaged in outdoor and environmental activities. Our camp program solves these issues and provides many first-time opportunities for at-risk youth. Biking on trails or kayaking may not be accessible, in a safe or convenient area near their homes, or affordable for most disadvantaged youth. Physically challenging activities break down barriers and are life changing, team-building activities.

# Implementation Timeline List key dates

January to May: Camp planning, volunteer recruitment, complete camp calendar dates

April 1st -19<sup>th</sup>: Move-in equipment time frame to River Park North: kayaks, mountain bikes (bring balance in the summer/June)

April - June: Camp counselor recruitment

June 23: Camp Counselor Training at River Park North

Proposed Days Camp Schedule:

June 24, 25, 26, 29, & 30

July 1, 2, & 3

July 6, 7, 8, 9, & 10

July 13, 14, 15, & 16

July 20, 21, 22, 23, & 24

July 27, 28, 29, 30, & 31

Concurrent Week-long ECU/L.A.S.T. Camp:

July 6 - 10

July 13 -17

August 1: Camp Staff Reflection

#### Benchmarks (max. 500 words)

Describe how the effect/impact of the project will be measured

Every student who attends summer camp will gain firsthand knowledge about the impact of storm water and the need to conserve our freshwater drinking sources. Students will learn what they can do to get involved in helping solve this current and growing issue. Results will be documented by students in a data log book and compared to previous data collection. **Benchmark/Impact: 1,000 students from Pitt County** 

Grant Cycle: 2015-2016

Students will demonstrate skills learned by successfully completing a nature scavenger hike and locating and correctly identifying specific plants and trees. Navigation skills will be demonstrated by their ability to locate a specific object or location through coordinates. These new skills will provide them with a higher level of comfort in a wooded setting. **Benchmark/Impact: 1,000 students from Pitt County** 

Progress will be demonstrated with a camper's willingness to get in a kayak and steer successfully, bait a fishing rod, or to use a net to discover macro invertebrates. Benchmark/Impact: 1,000 students from Pitt County

Campers will visually see and experience their success by collecting natural materials to construct a primitive shelter that could be used for protection from bad or cold weather conditions. This will continue to increase their comfort in an outdoor setting while learning basic survival skills. Functionality will be tested with a bucket of water. **Benchmark/Impact: 200 students from Pitt County** 

40 Gallon Water Challenge will be taught to the entire camp resulting in 1,000 pledges from Pitt County for a large amount of water to be conserved. Benchmark/Impact: 40,000 gallons of water saved per day

A month of water data for local river keepers, NCDENR, park management and city water officials. Benchmark/Impact: 30 Days of Scientific Data including nitrate, phosphorus, dissolved oxygen, turbidity, temperature, and pH from the lake, the Tar River and the canal/water retainment pond in the new park area

Another impact of the project will be the camper's ability to overcome their fear of the outdoors, become more comfortable in nature and thus learn to appreciate and want to protect it.

Benchmark/Impact: An East Carolina Senior Honors College Student will perform formal data surveys on camp students with IRB and professor oversight.

Greenville Environment Advisory Committee Grant Grant Focus: Stormwater Management

Post-project
Detail any anticipated work that will need to be done once the grant is completed e.g. if a wetland is put in place, what will be needed to keep this functioning over the next 5 years.

We would like to continue testing the water sources at River Park North for comparative data and our summer camp program.

Signature of youth organization Authorized Representative

Date

3/17/2015

Grant Cycle: 2015-2016

#### **BUDGET FORM**

If the line item is not relevant to your proposal simply leave the line blank. Indicate in the School Group Match column those areas where the school group will contribute the required 25% in either donations or money.

Grant Cycle: 2015-2016

| Budget Items           | City of Greenville         | School Group<br>Match | Totals   |
|------------------------|----------------------------|-----------------------|--|
| Design                 |                            |                       |  |
| Budgeted Amount        | 0                          | 500                   | 500  |
| In-kind contribution   |                            | 500                   | 500  |
| Survey                 |                            |                       |  |
| Budgeted Amount        | 0                          | 500                   | 500  |
| In-kind contribution   |                            | 100                   | 100  |
| Education              |                            |                       |  |
| Budgeted Amount        | 935                        | 500                   | 1,435  |
| In-kind contribution   |                            | 0                     | 0  |
| Construction           |                            |                       |  |
| Budgeted Amount        | 0                          | 0                     | 0  |
| In-kind contribution   |                            | 0                     | 0  |
| Plantings              |                            |                       |  |
| Budgeted Amount        | 0                          | 0                     | 0  |
| In-kind contribution   |                            | 0                     | 0  |
| Printing               |                            |                       |  |
| Budgeted Amount        | 0                          | 0                     | 0  |
| In-kind contribution   |                            | 50                    | 50   |
| Monitoring             |                            |                       |  |
| Budgeted Amount        | 500                        | 0                     | 500  |
| In-kind contribution   | water testing equipment    | 15,000                | 15,000   |
| Land                   |                            |                       |  |
| Budgeted Amount        | 765                        | 360                   | 1,125  |
| In-kind contribution   |                            | 0                     | 0  |
| Other (please itemize) |                            |                       |  |
| Budgeted Amount        | 0                          | 0                     | 0  |
| In-kind contribution   | kayaks, bikes, other equip | 7,500                 | 7,500  |
| Administration         |                            |                       | gantominatorial La Pranta Espaina.   |
| Budgeted Amount        | 300                        | 0                     | 300  |
| In-kind contribution   |                            | 900                   | 900  |
| Cash Sub-total         | 2,500                      | 1,860                 | THE SAME OF THE SA |
| In-kind Sub-total      |                            | 24,410                | ·  |
| Total                  |                            | ,                     | 28,410   |

Greenville Environment Advisory Committee Grant Grant Focus: Stormwater Management

Grant Cycle: 2015-2016

#### Final Checklist

Budget Form is completed and attached.

Provided proof of location of proposing organization's project.

Letter of support is attached. (optional)

#### Send complete application packet to:

Ms. Amanda Braddy Public Works Department - Engineering Division 1500 Beatty Street Greenville, NC 27834

DEADLINE: MARCH 20, 2015

## GREENVILLE RECREATION AND PARKS DEPARTMENT LIMITED SERVICES CONTRACT

A series and the contract of the contract of the series of

| referre | reed by and between the City of Greenville Rod to as "City," and Love A Sea Turtle (L.A.S.Tond Party," as follows:   |  |                             |
|---------|--|--|-----------------------------|
|         | econd Party agrees to perform for City the ser<br>to pay Second Party for such services as prov  |  | v, and City                 |
| 1.      | Person who will provide service:   |  |                             |
|         | Name: Dan Sokolovic Address: 105 Bishop Drive  |  |                             |
|         | City:Winterville, NCPhone (Day) 252-355-7486   |  |                             |
|         | Services to be performed:  a. Provide qualified staff to conduct summer single day camps with 30-50 campers per da campers. Additional camp weeks/days may be parks coordinator.  Permitted activities include: Solo Kayaking (PFD Required) Freshwater Fishing Trail Biking Exploration (Helmet Required) Water Science –macro/micro and chemical FoodMASTER ECU Nutrition Lesson Geo-caching/Letterboxing Additional activities with authorization from parts. | y and (two)week long day camp<br>e added upon request and appro<br>ark coordinator | os with 14<br>oval from the |

- b. Provide all needed supplies and materials for programming and a way to secure and transport. This includes but not limited to: 24 kayaks, 25 bikes, and portable kayak rack and bike trailer. Greenville Recreation and Parks has permission to utilize both the bikes and kayak fleets for use with internal department camps when not in use by L.A.S.T.
- c. Ensure that all trash is removed, bikes and kayaks are secured, the property is vacated, and gates secured at the conclusion of each day (gates must be closed at all times). Bikes may be secured in horse stables at the end of each day. Kayaks must be stored out of sight near the stables.
- d. Enforce park rules with participants during programming
- e. Posses \$1,000,000 in liability insurance
- f. Pay the City of Greenville \$40/day for use of the horse stables and guaranteed \$1.50/camper for a guided visit to the nature center.
- q. Camps are provided at no charge for participants.
- h. The City of Greenville, Recreation and Parks Department is not responsible for any damage or loss of L.A.S.T. property outside of what may occur thru negligent actions while in use by Recreation and Parks staff.

| 3. | Services to be cond | lucted for the | following period: |  |  |
|----|---------------------|----------------|-------------------|--|--|
|    |                     | · · · ·        | nd                |  |  |

- 4. Place(s) where services will be provided:
  - Horse stables and front half of Lewis property (north of southern most right-of-way) maintenance path and 31 acre pond.
- 5. City shall pay per \$ 0 hour/activity (circle one) for services rendered and no deductions shall be subtracted therefrom. Second Party does not participate in any fringe benefits of City, nor does City provide liability insurance for Second Party.
- 6. Second Party, in performing the above services, is acting as an independent contractor and is not an employee of the City of Greenville.
- 7. The general terms and conditions of this Contract are contained in Attachment 1 to this Contract. Attachment 1 is incorporated into this Contract by this reference. (See reverse side.)

# Attachment 1 General Terms and Conditions for Limited Services Contract

- **A1. Ownership**: All work products (electronically or manually generated) which are prepared in the performance of this Contract are the property of City and are to be delivered to City before final payment is made to Second Party.
- **A2. Conflict of Interest**: Second Party attests that he/she is not a City employee or spouse of a City employee.
- **A3. Indemnification**: To the fullest extent permitted by law, Second Party shall defend, indemnify and hold harmless City, its agents, representatives, officers, directors and employees from and against claims, damages, losses and expenses (including but not limited to attorney fees, court costs, and the cost of appellate proceedings) relating to, arising out of or resulting from Second Party's negligent acts, errors, mistakes or omissions relating to the performance of this contract.
- **A4. Termination**: This Contract shall become effective upon complete execution by the parties, and shall remain in effect until terminated by either party, as follows:
- City reserves the right to terminate any part or the entire Contract upon notice if Second Party fails to carry out any term, promise or conditions of the contract.
- Upon giving thirty [30] calendar days written notice, City or Second Party may terminate this Contract, in whole or in part, for convenience and without penalty or further obligation.
- **A5. Duties Upon Termination**: Second Party shall only be entitled to payment for those services performed prior to the termination of the Contract.
- **A6. Assignability**: Second Party shall not assign or otherwise transfer this Contract or any of its rights or obligations under this Contract without first obtaining the written consent of City. Any assignment or other transfer without City's consent shall be void.
- **A7. Nondiscrimination:** Second Party agrees to comply with all provisions of applicable federal, state and local laws related to nondiscrimination, equal employment opportunity, and the

- **A8. Insurance**: Any and all insurance coverages for activities undertaken in the course of this project, including, but not limited to, worker's compensation, automobile liability, commercial general liability, professional liability, umbrella excess liability, and valuable papers are the responsibility of Second Party.
- **A9. Tax Identification Information:** Prior to any payment for services being made, Second Party shall provide the City with information necessary to comply with income tax reporting requirements.
- **A10. Force Majeure**: In the event of a catastrophic event or other peril which prevents the fulfillment of the articles of this Contract, neither City nor Second Party shall be held liable. This Contract becomes null and void.
- **A11. Entire Contract Amendments**: This Contract represents the entire Contract between the parties with respect to the subject matter hereof. This Contract may not be amended except through an appropriate writing signed by both parties.
- **A12. Facility Closures**: The City of Greenville reserves the right to close facilities during times of inclement weather. It is the responsibility of Second Party to call 252-329-4550 and listen to the recorded information about closings and notify participants of any schedule changes. City of Greenville closes facilities on certain City Holidays. A list of these will be provided by the City to Second Party.

| Second Party | Date | Recreation Manager       | Date   |
|--------------|------|--------------------------|--------|
|              |      | Recreation Superintenden | t Date |



Action: For your approval.



# Environmental Advisory Commission EAC GRANT PROGRAM

JANUARY 2015 • FACT SHEET #2

#### **DEFINITIONS**

#### Non-point Source Pollution—

Also known as polluted runoff, comes from diffuse or scattered sources in the environment rather than from a defined outlet such as a pipe. As water moves across and through the land it picks up and carries away natural and human-made pollutants depositing them into lakes, rivers and even underground sources of drinking water.

#### Impervious Areas—

Hard surfaces, like rooftops, roads and parking lots that prevent or slow the absorption of stormwater runoff into the ground.

#### Stormwater Control Measure (SCM)—

Refers to any stormwater control, best management practice (BMP), or other method used to prevent or reduce the discharge of pollutants.

#### Riparian Buffer—

An area of vegetated land, adjacent to waterways, streams, wetlands, lakes, ponds, and other surface waters for the purpose of minimizing the impacts of point and non-point source pollution.

#### Watershed—

Also known as a drainage basin or catchment area. A topographical area from which all precipitation flows or drains to a single river, river system or other waterbody.

#### Biodiversity—

Wide variety of organisms, from one-celled organisms to large mammals, in the natural environment. Biodiversity decline results in loss of food and increased environmental contamination.

#### **GRANT OVERVIEW**

The City of Greenville continually strives to serve its citizens and provide programs that will increase the quality of life and livability of our community. *Non-point source pollution* has a significant affect on water quality, property values and the safety of our citizens. In an effort to address these concerns, the Environmental Advisory Commission (EAC) has developed the EAC Grant Program.

When rain falls on natural areas, such as a forest, it is slowed down, filtered by soil and plants, and allowed to soak back into the ground. In contrast, when rain falls on *impervious areas* rain does not soak into the ground and stormwater runoff is created. Stormwater runoff picks up pollution such as pet waste, fertilizer, pesticides, motor oil, litter and yard waste on the way to local creeks, streams and waterways. In Greenville, stormwater runoff does not go to a treatment plant. Instead, runoff, and the pollution in it, flows into our creeks and streams, then eventually into the Tar-Pamlico or Neuse River.

This Program will provide an avenue for youth organizations to apply for a grant from the City for projects that will minimize the effects of non-point source pollution. There are many different types of projects you can initiate on your property or throughout your organization. Most projects are structural and prevent water pollution by capturing polluted runoff and treating or detaining it. Other projects may take the form of education, awareness, or good house keeping measures. All of these components are equally important.

#### **ADMINISTRATION**

There is \$2,500.00 available for a project or projects during the July 1st—June 30th grant cycle. In addition, the grant requires the applicant to match 25% of the grant amount awarded. This can be in the form of volunteer labor, donated materials or equipment, or may be monetary.

Funds will be disbursed in three installments: The first 45% will be distributed upon award. The second 45% will be distributed upon receipt of invoices indicating that 75% of the first disbursement has been spent. The final 10% will be disbursed upon final submission of the project, financial report and presentation to EAC. Any maintenance costs associated with the BMP shall be the responsibility of the property owner.

SUPPORTED BY:
CITY OF GREENVILLE
STORMWATER MANAGEMENT PROGRAM

#### **PROJECT IDEAS**

- Distribute commercial car washing vouchers to encourage wash water recycling.
- Remove *impervious areas* and restore to pervious ground cover.
- Install pet waste stations in public use areas.
- Develop curriculum or educational materials on stormwater quality, quantity and *watershed* based issues.
- Restore riparian buffer.
- Install stormwater control measure.
- Repair erosion caused by runoff.
- Install rain barrels for water reuse.
- Retrofit existing stormwater facilities to improve water quality treatment and/or increase *biodiversity*.
- Develop stream monitoring program.



Informational boards serve to educate the public



Rain barrels or cisterns can store rain water for irrigation



Pet waste stations keep stormwater from being polluted with fecal matter.

#### **ELIGIBILITY**

Youth organizations must **apply by March 20th** for the funds and act as the fiscally responsible party. Youth organizations may apply for multiple grants however these projects will compete against each other for funding. Depending on the size of the projects several grants may be awarded. The following requirements must be met in order for a youth organization to be eligible for consideration:

- Potential project locations must be within the **City Limits**. Projects located in county and the extra-territorial jurisdiction are not eligible under this Program.
- The project must be **real and measurable**. The results must be available by the end of the grant cycle.
- Increase **public awareness** of the issue. The project must include an awareness component and ensure that as many people as technically feasible are impacted by the results.
- Provide opportunities for **public participation**. Ideally the project will involve a partnership between teachers, students and parents.
- Demonstrate that the project has improved the quality, reduced the quantity, or created awareness about stormwater runoff. This may be in the form of pictures, calculations, sampling, questionnaires, etc.
- Prepare **project reporting documentation** which includes: Six-month status report that describes the current status of the project and the next steps anticipated. Final report and presentation to EAC describing the project and its outcomes.



City of Greenville Public Works Department Environmental Advisory Commission

1500 Beatty Street Greenville, NC 27834

Phone: 252-329-4467 Fax: 252-329-4535 E-mail: ajbraddy@greenvillenc.gov

# J.H Rose High School 2013-2014 Recipients

This project focused on educating students at J.H. Rose about stormwater runoff and water quality by collecting pertinent data, project design, and implementation



Students learning how permeable pavement reduces stormwater volumes, rates, and pollutants at parking lot on 14th Street

# OUTCOMES

- 130 students from AP Environmental Science and Earth Sciences courses at J.H. Rose participated
- Campus stormwater map showing connections and flow paths across campus was created
- Local stream field trip and local stormwater management field trip taken
- Rain barrels to be installed to divert stormwater runoff



Students learning about causes of stream erosion on Meeting House Branch

Students learning to use field probes to take water quality measurements at Meeting House Branch

# Wahl-Coates 4-H Club 2012-2013 Recipients

This project focused on educating students with the Wahl-Coates 4-H Science Club on the effects of stormwater runoff at Green Mill Run Creek



Students discovering macroinvertebrates in Green Mill Run Creek



Students testing water quality of Green Mill Run Creek

## Goals

- . Educate the Wahl-Coates community on stormwater
- . Research and report on stormwater issues
- . Conduct monthly monitoring of Green Mill Run



# What we learned

- . Various household activities effect stormwater runoff
- . Pollutants effect stormwater runoff into streams
- . Stream life and the surrounding areas are effected by pollutants

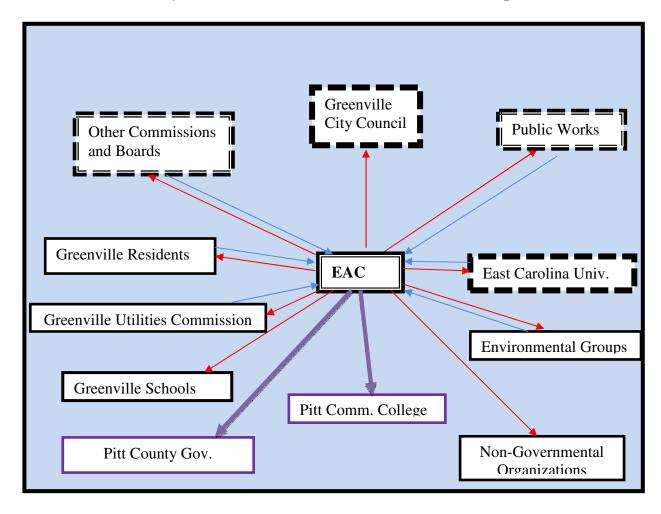


Students measuring the depth of Green Mill Run Creek



Students measuring the width of Green Mill Run Creek

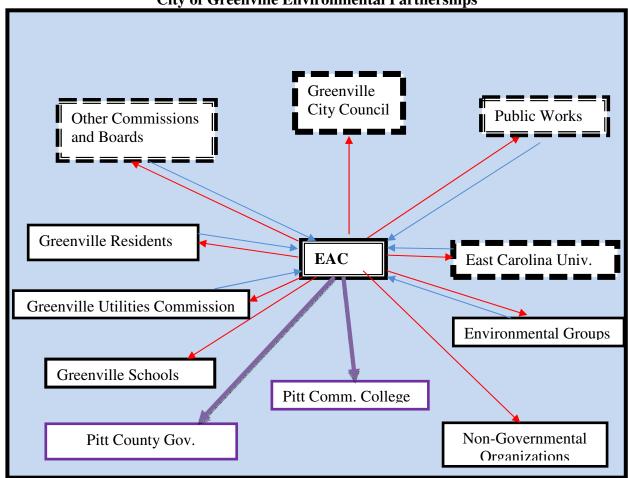
#### **City of Greenville Environmental Partnerships**



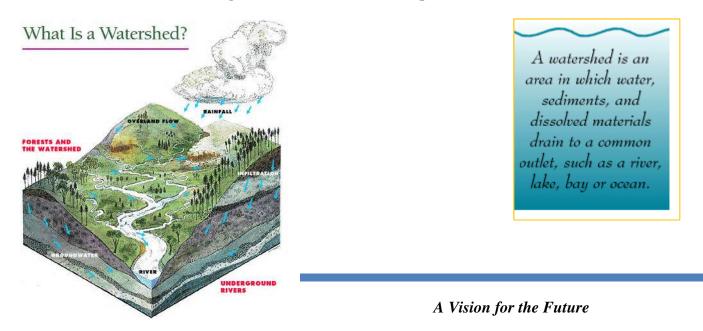
Flow Chart 1. Fostering Environmental Partnerships

#### **Tar River Watershed** A watershed is an area in which water, sediments, and Washington **EXPLANATION** dissolved materials Real Time Streamgaging Station Rivers and Steams drain to a common Wilson Tar Röver Basin outlet, such as a river, lake, bay or ocean. Craven Locator Map

**City of Greenville Environmental Partnerships** 

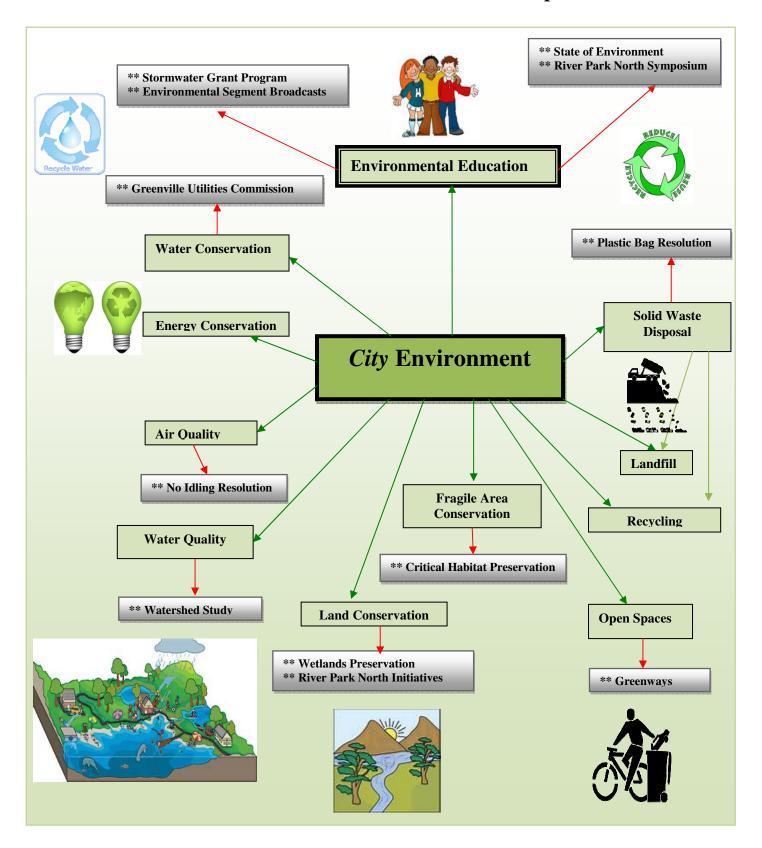


Flow Chart 1. Fostering Environmental Partnerships



The Environmental Advisory Commission will work to ensure that the City of Greenville's natural environment is sustained for future generations

#### **Greenville Environmental Relationships**



Flow Chart 2. Relationship of Some Current Environmental Projects and Core Environmental Issues



Action: For your information.



#### Memorandum

Find yourself in good company

TO:

Barbara Lipscomb, City Manager

FROM:

Kevin Mulligan, PE, Director of Public Works

DATE:

March 25, 2015

SUBJECT: Resolution of the Environmental Advisory Commission for City Council to Install "No Idling"

Signs in City Parking Facilities thereby Encouraging Citizens to Turn Off Motor Vehicles and

Improve Air Quality

The City of Greenville Environment Advisory Commission (EAC) has played an active role in campaigns targeted at reducing idling times for vehicular traffic within Greenville and more specifically at public/private schools.

In 2012, the Greenville Climate Protection Partnership (GCPP), a sub-committee of EAC, initiated the No Idling Campaign at Wahl-Coates Elementary School. Educational information was provided to parents, teachers, and students regarding the effects of idling on the population of the school and community. The GCPP has since disbanded; however, Dr. James Kenny and Dr. Edward Davis remained steadfast on the campaign. With their assistance, the project has been expanded to all public schools within Pitt County and a few private schools. In an effort to reignite the program, students will be passing out information and pledge cards to parents a second time this spring.

As a result of the program's success, EAC has prepared and approved the attached No Idling Resolution. The resolution encourages and supports City Council in taking a proactive approach in installing No Idling signs at City-owned and operated parking facilities. More specifically, this includes parks and recreation facilities, in Uptown Greenville parking lots, and the new parking deck.

Please contact me at (252) 329-4520 or kmulligan@greenvillenc.gov for any questions you may have regarding the resolution.

#### Attachments

cc:

Lisa Kirby, PE, Senior Engineer , Amanda Boone, PE, Civil Engineer II

#### Resolution No. 2015-01-EAC

RESOLUTION OF THE ENVIRONMENTAL ADVISORY COMMISSION FOR CITY COUNCIL TO INSTALL "NO IDLING" SIGNS IN CITY PARKING FACILITIES, THEREBY ENCOURAGING CITIZENS TO TURN OFF MOTOR VEHICLES AND IMPROVE AIR QUALITY

- WHEREAS, motor vehicle idling is a significant air pollution and public health threat as well as a substantial economic waste; and
- WHEREAS, exhaust from motor vehicles is identified by the American Lung Association as a major source of air pollution of substances harmful to humans, such as ozone, carbon monoxide, nitrogen and sulfur oxides, and fine particulates (soot)<sup>1</sup>; and
- WHEREAS, adverse health effects from vehicle exhaust include immediate, close range effects leading to asthma, cardiac events, inflammation of the bronchial passages, tissue damage, chronic disease, and early pulmonary disability and the effects of exposure to exhaust are cumulative and additive; and
- WHEREAS, such effects especially impact children, the elderly, those who exercise outdoors, and those with pre-existing breathing or cardiac problems, as well as the general public; 1,2 and
- WHEREAS, two minutes of idling uses the same amount of fuel as driving one mile; it is more efficient to turn off the engine than to idle for more than 30 seconds; and ten seconds of idling uses more fuel than restarting the engine;<sup>2</sup> and
- WHEREAS, North Carolina law limits the maximum time of motor vehicle idling to 5 consecutive minutes in any 60-minute period (NC Administrative Code Title 15A, Ch. 2D.1010); and prohibits the emission of visible air contaminants for longer than 5 seconds (NC GS 20-128.1); and most other states have similar laws; and
- WHEREAS, installing signs to encourage drivers to turn off their engines can be effective as part of educational campaigns to reduce idling time; and Pitt County Schools have installed such signs at all schools in loading zones where school buses and parents deliver and pick up children;
- NOW, THEREFORE, BE IT RESOLVED that the Environmental Advisory Commission of the City of Greenville recommends to the City Council of the City of Greenville that signs encouraging drivers to turn off their engines be installed in City parking facilities at Parks and Recreation sites and in the Uptown Greenville parking lots and parking deck, in order to reduce the air pollution, public health, and economic effects of motor vehicle idling,

This the 5<sup>th</sup> of March 2015

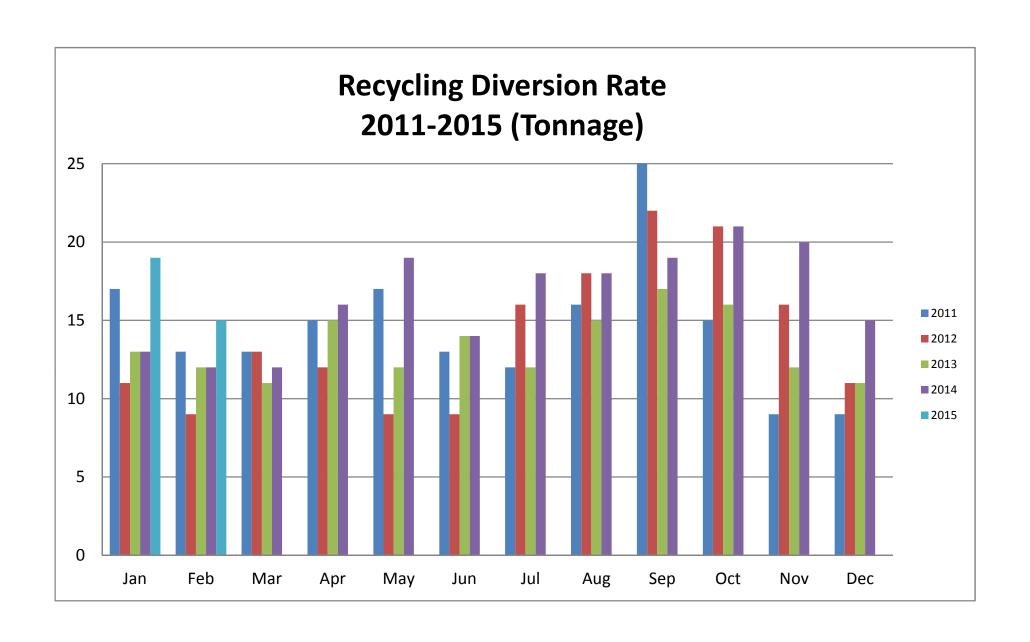
James C. Woodley, Chairperson
Environmental Advisory Commission

#### References:

- American Lung Association of the Northeast, http://www.lung.org/associations/charters/northeast/programs/idlefree-northeast.html
- 2. Dr. James Kenny, MD, report to the Environmental Advisory Commission, Nov. 6, 2014.

# ATTACHMENT E (Recycling Report)

Action: For your information





Action: For your information

#### SUMMARY TABLE OF AST UST INCIDENT CORRESPONDENCE WITHIN THE CITY OF GREENVILLE OVER THE PAST MONTH

| DateOccurred | IncidentName                                | Address                     | CloseOut  | Contamination | COMMENT  |
|--------------|---|-----------------------------|-----------|---------------|--|
| 12/9/2014    | CROSIER PROPERTY (JIM)                      | 2013 PINECREST DRIVE        |           | GW            | (1) 550-GAL HEATING OIL UST WAS CLOSED IN PLACE 12/4/2014.<br>MW1 WAS INSTALLED. FREE PRODUCT MEASURING A THICKNESS<br>OF 0.31 FT IN WELL ON 1/6/1015. AFVR EVENT WILL BE PERFORMED<br>AT SITE. RESULTS TO BE INCLUDED IN IAA.///  |
| 12/2/2014    | BARLOW PROPERTY<br>(BEULAH)                 | 1801 E. SIXTH STREET        |           | SL            | (1) 550-GAL HEATING OIL UST REMOVED 12/2/14. DID NOT ENCOUNTER GW. SOIL SAMPLES EXCEED RESIDENTIAL MSCCs. REQUESTED IAA.////   |
| 10/8/2014    | SHIELDS PROPERTY<br>(DONNIE)                | 113 FAIRLANE ROAD           |           | SL            | (1) 280-GAL HEATING OIL UST REMOVED 10/7/2014. GW<br>ENCOUNTERED AT FIVE TO SIX FT BLS. SOIL BELOW STGW MSCCs.<br>GW ABOVE 2L. REQUESTING LSA. REC'D LSA. NRP FOR GW ONLY.   |
| 9/23/2014    | ZIZZO RESIDENCE (JOHN<br>AND ELLIE)         | 207 MCGREGOR LANE           | 2/18/2015 | SL            | (1) 550-GAL HEATING OIL UST REMOVED 9/23/2015. SOIL ABOVE STGW BUT NOT RESID. GW BDL. NFA REQUIRED.  |
| 6/3/2014     | EZEE MART 1                                 | 300 SW GREENVILLE BLVD.     |           | GW            | PROPERTY TRANSFER GW CONTAMINATION. 7/23/2014 TANK AND LINE TIGHTNESS TEST - PASSED. VIA EMAIL REQUESTED IAA AND DIG TOWARD PUMP ISLAND W/ POSSIBILITY OF REMOVAL OF PUMP ISLAND. CONSULTANT REQUESTED TO DO A SITE CHECK PRIOR TO IAA. REQUESTED SITE CHECK 8/14/2014.              |
| 5/19/2014    | MAY LEI WASKE<br>PROPERTY                   | 2970 DICKINSON AVENUE       |           | SL            | 280 GALLON HOME HEATING OIL UST REMOVED. SOIL EXCEEDS RES.MSCCS NEXT TO FOUNDATION. GW ENCOUNTERED. GW SAMPLES TO FOLLOW IN IAA REPORT. ///// NOTE TO FILE: CONSULTANT GMA SAID LSA SHOULD BE HERE IN A FEW DAYS. 9/30/2014./////  |
| 3/27/2014    | HIGHSMITH PROPERTY<br>(KYLE)                | 2306 EAST 4TH STREET        | 1/7/2015  | GW            | (1) 550-GAL HEATING OIL UST REMOVED 3/27/2014. SOIL ABOVE TPH DRO/GRO. SIDEWALL SOIL SAMPLES BELOW STGW. GW ENCOUNTERED. REQUESTING IAA.//// Rec'd IAA. GW above 2L. Requesting LSA./// LSA REC'D. NO RECEPTORS W/IN 1500 FT. RANKS LOW. NRP FOR GW ONLY.                            |
| 10/29/2013   | EVANS PROPERTY (VICKI)                      | 114 GREENWOOD DRIVE         |           | SL            | 280 GALLON HEATING OIL UST REMOVED. SOIL WELL BELOW S-GW MSCCS. GW NOT ENCOUNTERED.  |
| 10/23/2013   | THE PANTRY #895                             | 1930 N. MEMORIAL DRIVE      | 2/11/2015 | GW            | (3) 8,000-GAL GASOLINE USTs, ASSOCIATED PRODUCT LINES & DISPENSERS REMOVED 10/23/2013. SOIL DOES NOT EXCEED STGW MSCCs. GW ABOVE 2L NOT GCL. NRP FOR GW ONLY. SITE CURRENTLY A USED CAR SALES LOT VACANT LOT. LUR FILED IN 2004 PRIOR TO CLOSURE OF THE USTS DUE TO A PRIOR RELEASE. |
| 8/27/2013    | MARSTON PROPERTY<br>(CHARLES)               | 2410 E. 10TH ST.            | 1/6/2014  | SL            | (1) 550-GAL HEATING OIL UST REMOVED 8/27/2013. ENCOUNTERED GROUNDWATER AT ~ 10 FT. BLS. SOIL SAMPLES BELOW MSCCs. REQUESTING IAA.///REC'D IAA. GW BRL. SOIL BELOW MSCCs. NFA LETTER SENT 1/6/2014.   |
| 8/8/2013     | RIZZUTI RESIDENCE<br>(RICHARD AND MERIDITH) | 500 ELIZABETH ST.           |           | SL            | (1) 1200-GAL HEATING OIL UST REMOVED 8/8/2013. SOIL SAMPLE 6A ABOVE RESIDENTIAL MSCCs. GW NOT ENCOUNTERED. REQUESTING IAA.//// Rec'd IAA. Requesting LSA./// LSA REC'D. NRP FOR SOIL & GW.   |
| 8/1/2013     | CRAWFORD PROPERTY<br>(EDWIN)                | 1300 DAVENPORT FARM<br>ROAD |           | SL            | NCDOT PSA. WARO REQ. ADDITIONAL RBSS. IF BELOW S-GW. CLOSE OUT.  |

#### SUMMARY TABLE OF AST UST INCIDENT CORRESPONDENCE WITHIN THE CITY OF GREENVILLE OVER THE PAST MONTH

| DateOccurred | IncidentName                                       | Address                        | CloseOut | Contamination | COMMENT   |
|--------------|--|--------------------------------|----------|---------------|---|
| 7/30/2013    | TOPPER RESIDENCE<br>(PAUL)                         | 303 S. ELM ST.                 | 2/5/2014 | GW            | (1) 550-GAL HEATING OIL UST REMOVED 7/31/2013. DID NOT ENCOUNTER GW HOWEVER SOME SOIL MOISTURE WAS NOTED AT APPROX. 8 FT BLS. SEASONAL WATER TABLE IS ABOVE 5 FT., SOIL ABOVE STGW MSCCs. REQUESTING IAA. ASKING TO INSTALL MW & COLLECT WATER SAMPLES.//// REC'D IAA. GW ABOVE 2L. REQUESTED LSA./// REC'D LSA . NO RECPTORS. NRP FOR GW ONLY.   |
| 3/11/2013    | KANGROO<br>EXPRESS/PANTRY #3083                    | 700 SOUTH MEMORIAL DRIVE       |          | GW            | UST SYSTEM CLOSURE. ADDITIONAL SOIL AND GW SAMPLES REQUESTED. LOW RANK. NRP FOR GW.   |
| 11/28/2012   | COX PROPERTY (LIAM)                                | 420 LINE AVENUE                |          | GW            | NCDOT ROAD WIDENING PROJECT. ALL SOIL BELOW S-TO-G.<br>GRDWATER ABOVE 2L BUT BELOW GCL.   |
| 10/10/2012   | ECU 14TH STREET<br>PARKING LOT                     | E. 14TH ST. AND HASKETT<br>WAY |          | SL            | ORPHANED HEATING OIL UST DISCOVERED DURING PARKING LOT CONTRUCTION. UST REMOVED. SOIL EXCEEDS RES. MSCCS POST EXCAVATION. LSA REQUESTED 1/30/2013.  |
| 10/3/2012    | Moore Property (Parcel 51)<br>NCDOT U-3315         | 1402 West 14th Street          |          | GW            | Preliminary Site Assessment Report submitted on behalf of the North Carolina Department of Transportation. The report documents investigation activities related to NCDOT Project U-3315 (Stantonsburg Road to 10th Street Connector) for Parcels 51 located at 1402 West 14th Street in Greenville, NC. Information in the report confirms a release or discharge of petroleum product at the above-referenced location. Soil and groundwater sample results indicate that contamination is present at levels that exceed NC soil and groundwater standards. PROBABLE COMINLED PLUME W/Inc.(38381) WARO REQ. LSA.  |
| 9/7/2012     | BUCK PROPERTY<br>(MELVA)/FORMER FLEMING<br>STATION | 1001 DICKINSON AVE.            |          | GW            | NCDOT ROAD WIDENING PROJECT SAMPLING REVEALED SOIL AND GRDWATER CONTAMINATION NEAR ONE OF THE 4 USTS. ASKED FOR SITE CHECK. ACCEPTED TO STF 8/27/13; wo incidents numbers issued for same site (38999 and 38410) deleted 38410.   |
| 8/31/2012    | SAMIR PROPERTY (ALI)                               | 514 NORTH WATAUGA AVE          |          | SL            | NCDOT ROAD WIDENING PROJECT. RISK BASED SOIL SAMPLING SHOWED ABOVE S-TO-GRDWATER BUT BELOW RESIDENTIAL STDS. GRDWATER = NON DETECT. NEED A RECEPTOR SURVEYIF NO RECEPTORS THEN NFA.   |
| 8/8/2012     | A.B. Whitley Inc.                                  | 1311 W 14th Ave                |          | SL            | Preliminary Site Assessment Report submitted on behalf of the North Carolina Department of Transportation. The report documents investigation activities related to NCDOT Project U-3315 (Stantonsburg Road to 10th Street Connector) for Parcel 49 located at 1311 West 14th Avenue in Greenville, NC. Information in the report confirms a release or discharge of petroleum product at the above-referenced location. Soil sample results indicate that contamination is present at levels that exceed 10 ppm TPH. Risk-based soil analytical data needed. Former USTs registered to A.B. Whitley Inc Corporation Dissolved. Referred to State Lead 9/19/2013.; ACCEPTED STF 10/3/13; See archived file WA-25457 for old information for the site. |

#### SUMMARY TABLE OF AST UST INCIDENT CORRESPONDENCE WITHIN THE CITY OF GREENVILLE OVER THE PAST MONTH

| DateOccurred | IncidentName                  | Address              | CloseOut | Contamination | COMMENT  |
|--------------|-------------------------------|----------------------|----------|---------------|--|
| 8/6/2012     | Peele Property (Parcel 105)   | 111 West 10th Street |          | GW            | The Underground Storage Tank (UST) Section, Washington Regional Office is in receipt of a Preliminary Site Assessment Report submitted on behalf of the North Carolina Department of Transportation. The report documents investigation activities related to NCDOT Project U-3315 (Stantonsburg Road to 10th Street Connector) for Parcels 105 located at 111 West 10th Street in Greenville, NC. Possible UST discovered. Report confirms a release or discharge of petroleum product Soil and groundwater sample results indicate that contamination is present at levels that exceed NC soil and groundwater standards. WaRO REQ. LSA. PERC ALSO DISCOVERED. REFERRED TO DSCA GROUP. WILL FORWARD LSA TO WARO ONCE RECEIVED. |
| 8/1/2012     | WILLIAMS PROPERTY<br>(WALTER) | 204 WEST 10TH STREET |          | GW            | NCDOT ROAD WIDENING PROJECT  |