

PROPOSED AGENDA  
**ENVIRONMENTAL ADVISORY COMMISSION**

March 7, 2013

5:30 P.M.

PUBLIC WORKS DEPARTMENT  
CONFERENCE ROOM  
1500 BEATTY STREET

1. Call to Order
2. Roll Call
3. Additions/Deletions to the Agenda
4. Approval of February 7, 2013 Minutes - Attachment A
5. Public Comment Period
6. New Business
  - A. Announcements (5 MINS) S. Anderson
  - B. Stormwater Annual Report (15 MINS) K. Holton
  - C. LEED Policy – Attachment B (10 MINS) K. Holton
  - D. Sustainable Development Data Collection (10 MINS) K. Holton
7. Old Business
  - A. EAC Grant Program – Current Grant Update (5 MINS) K. Holton
  - B. Council Goals & Objectives – Review – Attachment C (10 MINS) S. Anderson
  - C. Plastic Brochure Update (15 MINS) L. Williamson
  - D. GTV – PSA – April, May, June (5 MINS) K. Holton
  - E. GCPP Update (5 MINS) H. Cox
  - F. UST/AST Report Discussion (10 MINS) S. Anderson
8. Other – FYI
  - A. Recycling Report – Attachment D
  - B. UST/AST Report – Attachment E
9. Proposed Agenda Items (April 4, 2013 Meeting) S. Anderson
  - A. FROGGS Update
  - B. EAC Grant Program – Finalize Grant Package
  - C. GCPP Update
10. Adjournment

# **ATTACHMENT A**

**(February 7, 2013 Minutes)**

*Action:* For your review and approval.

**DRAFT OF MINUTES PROPOSED FOR ADOPTION BY THE  
ENVIRONMENTAL ADVISORY COMMISSION  
February 7, 2013**

**1. CALL TO ORDER**

Members of the Environmental Advisory Commission met on the above date at 5:30 p.m. in the Conference Room of the Public Works Facility. Mr. Bob Chin, Chairperson, called the meeting to order and welcomed members and guests. The following attended the meeting:

**2. ROLL CALL**

**MEMBERS:**

Dr. Michael Behm  
Dr. Robert Chin  
Ms. Laura Williamson

Mr. Owen Burney  
Mr. Hugh Cox

**OTHERS PRESENT:**

Kevin Mulligan, City of Greenville  
Kinsey Holton, City of Greenville  
Amanda Braddy, City of Greenville

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

Discussion on the plastics brochure was added to the agenda.

**4. APPROVAL OF JANUARY 3, 2013 MINUTES**

Mr. Burney made a motion to accept the January 3, 2013 minutes as presented. The motion was seconded by Ms. Williamson and the motion passed unanimously.

**5. PUBLIC COMMENT PERIOD**

There were no public comments.

**6. NEW BUSINESS**

**A. Announcements**

- Mr. Holton announced that he, Mr. Holley, and Mr. Scott Godefroy, City Engineer will be working with Professor Sid Mitra of ECU. Dr. Mitra's Environmental Forensic Course will be working to trace organic contaminants in the environment. A field trip for one of Dr. Mitra's classes will be set up in March 2013 to visit the Town Creek area, the Third Street diesel spill location, and the Imperial Tobacco Warehouse. The class will also establish monitoring of water and air quality in the Town Creek area for the remainder of the class cycle.
- Mr. Mulligan mentioned the Sustainability Plan the City was in the process of development. Mr. Mulligan stated that the initial plan would focus on operations within the City by City personnel and that he would like to see the plan completed within the next year. Mr. Mulligan also stated his desire would eventually include the entire City and to reduce the carbon footprint within the next ten (10) years.

- Mr. Chin also informed members that he would be unavailable for the March and April EAC meetings and Mr. Anderson, Vice-Chair, would be conducting these meetings.

**C. Strategic Planning for Goals & Objectives**

Dr. Chin began the discussion by addressing the email that was sent to EAC members. Dr. Chin asked how the goals and objectives for EAC were established. Ms. Williamson stated in her previous tenure as Chairperson, the goals and objectives were passed along to her. Dr. Chin then questioned how the 2013 EAC Priorities were established. Ms. Williamson made a motion to have the goals and objectives be reviewed, revamped and to propose new or revised goals. Mr. Cox seconded the motion. Dr. Behm stated he felt the motion should be amended to have the goals and objectives be measurable with actions and progress of the items. Ms. Williamson revised her motion to include Dr. Behm suggestion. The revised motion was seconded by Mr. Cox and passed unanimously.

Dr. Chin asked for a volunteer to work on the new or revised list of goals and objectives. Ms. Williamson suggested including the Grant Program as a goal with the measurable action being, at this time based on the funding of the Grant, increased water quality within the community. Ms. Williamson also suggested the development of the Sustainability Plan as a goal for the EAC and the measurable outcome would be the implementation of the plan by City Council. Dr. Behm stated he felt more interaction and engagement with City Council should be a goal of EAC as well. Dr. Behm volunteered to work on revising, revamping the goals and objectives and will email the list to members by Friday, February 15, 2013. With this, Mr. Cox made a motion to have Dr. Behm work on the goals and objectives. Ms. Williamson seconded the motion and the motion passed unanimously.

**7. OLD BUSINESS**

**A. EAC Grant Program**

Dr. Behm sent an email to members with a revised timeline of the proposed EAC grant program. Mr. Holton commented the schedule was initially established to allow a ceremony to be held in June to recognize the work of the current grant program and to present the upcoming award to the new grant program.

Ms. Blackburn commented the timeline was also established with an academic calendar year and the City’s fiscal calendar year as well. This allowed school entities to apply for the grant and complete the work within their schedule. Dr. Behm commented he had obtained the contact information for the Science Coordinator for Pitt County Schools and would be in contact with them to publicize the grant information with teachers.

Dr. Behm also asked if an application package was available. Ms. Williamson informed Dr. Behm the application package was online and asked Mr. Holton to forward that information to Dr. Behm. Ms. Williamson also asked if the two page fact sheet should be revised to include information on the current grantee (Wahl-Coates) to showcase the work completed.

The timeline for the grant program was modified as follows:

- Publicize and advertise the current grant program March 7, 2013
- Receive at least 2 viable and fundable applications April 22, 2013

- Distribute applications to EAC members for review April 24, 2013
- EAC members vote to award EAC grant May 2, 2013
- Publicly award EAC grant June 6, 2013
- Monitor grantee – Receive quarterly updates November 7, 2013
- Seek new funding sources for 2014 grant December 5, 2013
- Final report to EAC by 2013 grantee March 6, 2014
- June 5, 2014

**B. Plastics Brochure**

Ms. Williamson incorporated the changes discussed at the December 2012 EAC meeting and emphasized the environmental aspects of plastics versus the medical aspects. Ms. Williamson also revamped the inside panels of the brochure to reiterate which grades of plastics are recyclable. Ms. Williamson also stated she felt the right inside panel was too verbose and would like to condense this information and asked members to email her with suggestions. Ms. Williamson will have the final draft of the brochure at the March 7, 2013 EAC meeting.

**8. OTHER– FYI**

**A. UST/AST Report**

Dr. Chin questioned the relevance of the data of this report. Dr. Chin made a motion to have the UST/AST report be reviewed on a quarterly basis. A second was made by Ms. Williamson. Ms. Williamson asked the value of EAC’s role in the review of this report. Mr. Cox stated he felt the report was valuable knowledge for EAC and would like to see the report; however he agreed that the information should be presented on a quarterly basis. Mr. Holton also informed the group that Mr. Holley asked for this information due to its impact on the environment of the City. Mr. Burney stated he would also like to see this information reported as it does impact the City and as an environmental commission, EAC should be knowledgeable if questions arise.

Dr. Chin rescinded his initial motion and Ms. Williamson made a motion to table the discussion to the March 7, 2013 meeting to obtain Mr. Holley’s input on the report and EAC’s role in the review process. This motion was seconded by Dr. Chin and passed unanimously.

**9. PROPOSED AGENDA ITEMS – The following items are proposed for the March 7, 2013 meeting:**

- A. EAC Grant Program – Current Grant Update**
- B. Council Goals & Objectives – Review**
- C. Stormwater Annual Report**
- D. Plastics Brochure – Update**
- E. GTV – PSA – April, May, June**
- F. GCPP Update**
- G. UST Update Discussion**

**10. Adjournment –There being no further business to discuss, the meeting adjourned at 7:15pm.**

# ***ATTACHMENT B***

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***(LEED Policy by City Council)***

*Action:* For your information.



## City of Greenville, North Carolina

Meeting Date: 12/8/2008  
Time: 6:00 PM

**Title of Item:** Resolution adopting a policy to implement the Leadership in Energy and Environmental Design (LEED) Program when constructing or renovating City buildings

**Explanation:** The City of Greenville adopted the U.S. Mayors Climate Protection Agreement. One of the Agreement's objectives is to practice and promote sustainable building practices using the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) program or other similar system. Additionally, one of the City Council's objectives is to have staff recommend a policy for all City buildings to meet a minimum of the LEED-Certified standard. At the September 8, 2008, City Council meeting, Public Works staff requested guidance on a proposed policy for implementing LEED for City buildings. City Council agreed with the proposed concept. Public Works, in coordination with Greenville Utilities, has developed the City's LEED building policy for your approval.

LEED is a Green Building rating system. It is a nationally accepted system for designing, constructing, and operating green buildings. The U.S. Green Building Council reviews and issues all certificates for buildings that will be certified.

According to the U.S. Green Building Council, buildings account for 40% of all greenhouse gas emissions. The U.S. Green Building Council developed the LEED program in an effort to reduce the impact of constructing and operating buildings on the environment. The program addresses the five following areas:

- Sustainable sites
- Water efficiency
- Energy and atmosphere
- Materials and resources
- Indoor environmental quality

The program has four levels of certification. The higher the certification level the building is designed to obtain, the less impact it has on the environment. Staff's research has determined that the cost to obtain the lowest level of certification (Certified) is typically 0.66% more than the cost of "normal" construction. The typical cost to obtain the next higher level of certification (Silver) is 1.9% more than the cost of "normal" construction. Operating costs of a typical Green Building tends to be lower thus generating operational savings and paying back the additional capital investment over time. Per the April 2008 Southern City newsletter, as of February 1, 2008, LEED initiatives have been adopted in 27

states, 23 counties, 92 cities and towns, and 36 institutions of higher education. In North Carolina this includes:

- North Carolina University System
- Asheville
- Chapel Hill
- Carrboro
- Durham
- Raleigh
- Wilmington
- Huntersville

In particular, Asheville's program requires any new City buildings of 5,000 square feet or more be LEED-Gold certified; less than 5,000 square feet will be LEED-Silver. Chapel Hill's policy requires that any new or expanded/renovated town buildings must at minimum meet LEED-NC (new construction) standards.

Staff has been working with the local Home Builders Association to start a Green Building Council. Staff's objective is to increase the number of green buildings through voluntary measures. For the City to effectively promote sustainable building practices within the City, the City should participate in the program itself.

The proposed policy for City buildings is as follows:

All new construction, renovation, or addition of City-owned buildings over 10,000 square feet will meet a minimum of LEED-Silver and will be certified by the U.S. Green Building Council. The City Council may grant a waiver to this requirement for buildings managed by the City when the building is not a suitable project for the Green Building program. Greenville Utilities Board of Commissioners may grant a waiver to this requirement for buildings managed by Greenville Utilities when the building is not a suitable project for the Green Building program.

All new construction, renovation, or addition of City-owned buildings from 5,000 to 10,000 square feet will meet a minimum of LEED-Certified and will be certified by the U.S. Green Building Council. The City Council may grant a waiver to this requirement for buildings managed by the City when the building is not a suitable project for the Green Building program. Greenville Utilities Board of Commissioners may grant a waiver to this requirement for buildings managed by Greenville Utilities when the building is not a suitable project for the Green Building program.

All new construction, renovation, or addition of a City-owned building less than 5,000 square feet will be a minimum of LEED-Certified and is not required to be certified by the U.S. Green Building Council. The City Manager is authorized to grant a waiver to this requirement for buildings managed by City directly when the building is not a suitable project for the Green Building program. The General Manager of Greenville Utilities is authorized to grant a waiver to this requirement for buildings managed by Greenville Utilities when the building is not a suitable project for the Green Building program.

**Fiscal Note:**

The adoption of this policy will increase the cost of buildings in the Capital Improvement Program by up to 2%. The cost of operating the building is reduced with the annual return on investment ranging from 25 to 40%. Typically, the "Green" investment pays for itself in three years.



**Recommendation:** Adopt the resolution implementing the Leadership in Energy and Environmental Design (LEED) Program when the City constructs or renovates City buildings.

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Viewing Attachments Requires Adobe Acrobat. [Click here](#) to download.

Attachments / click to download

 [Resolution on LEED 797617](#)

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RESOLUTION NO. 08-68  
RESOLUTION ADOPTING A POLICY TO IMPLEMENT THE LEADERSHIP IN ENERGY  
AND ENVIRONMENTAL DESIGN PROGRAM WHEN CONSTRUCTING OR  
RENOVATING CITY BUILDINGS.

WHEREAS, buildings account for 40% of all greenhouse gas;

WHEREAS, the City adopted the U.S. Mayors Climate Protection Agreement to reduce global warming pollution in the City's operations and community; and

WHEREAS, one of the Agreement's objectives is to practice and promote sustainable building practices; and

WHEREAS, the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) Program is a system for implementing sustainable building practices;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Greenville that it does hereby adopt the following policy for sustainable building practices in the City's operations.

All new construction, renovation, or addition of City-owned buildings over 10,000 square feet will meet a minimum of LEED–Silver and will be certified by the U.S. Green Building Council. The City Council may grant a waiver to this requirement for buildings managed by the City when the building is not a suitable project for the Green Building program. Greenville Utilities Board of Commissioners may grant a waiver to this requirement for buildings managed by Greenville Utilities when the building is not a suitable project for the Green Building program.

All new construction, renovation, or addition of City-owned buildings from 5,000 to 10,000 square feet will meet a minimum of LEED–Certified and will be certified by the U.S. Green Building Council. The City Council may grant a waiver to this requirement for buildings managed by the City when the building is not a suitable project for the Green Building program. Greenville Utilities Board of Commissioners may grant a waiver to this requirement for buildings managed by Greenville Utilities when the building is not a suitable project for the Green Building program.

All new construction, renovation, or addition of a City-owned building less than 5,000 square feet will be a minimum of LEED–Certified and is not required to be certified by the U.S. Green Building Council. The City Manager is authorized to grant a waiver to this requirement for buildings managed by City directly when the building is not a suitable project for the Green Building program. The General Manager of Greenville Utilities is authorized to grant a waiver to this requirement for buildings managed by Greenville Utilities when the building is not a suitable project for the Green Building program.

This the 8<sup>th</sup> day of December, 2008.

/s/Patricia C. Dunn  
Patricia C. Dunn, Mayor

ATTEST:

/s/Wanda T. Elks  
Wanda T. Elks, City Clerk

# ***ATTACHMENT C***

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***(Council Goals & Objectives)***

*Action:* For your review and discussion

2013 EAC Goals:

1. Identify and deploy five ways in which to engage citizens in environmental sustainability [vs social or economic since we're the EAC]
  - (1) support a public school with funding that supports an environmental sustainability project:  
Mike,
  - (2)
  - (3)
  - (4)
  - (5)
2. Increase deliberate and intentional engagement with Council and with other commissions: Bob Chin
3. Identify and suggest five ways to reduce volume of our waste [in part supports 1 and 2?]:
4. Seek ways to preserve our "liquid gold" (water): Scott Anderson
5. Incorporate service learning students from ECU in the pursuit of one 2013 EAC goal:
6. Publish and distribute a plastics brochure: Laura Williamson
7. Identify five funding sources for future grants [in part supports 1 and others?]: Bob Chin
8. Develop an inventory of the City's Public Works' environmental sustainability accomplishments/achievements: Hugh Cox
9. Develop a culture of measuring and disseminating the results of the EAC's efforts:

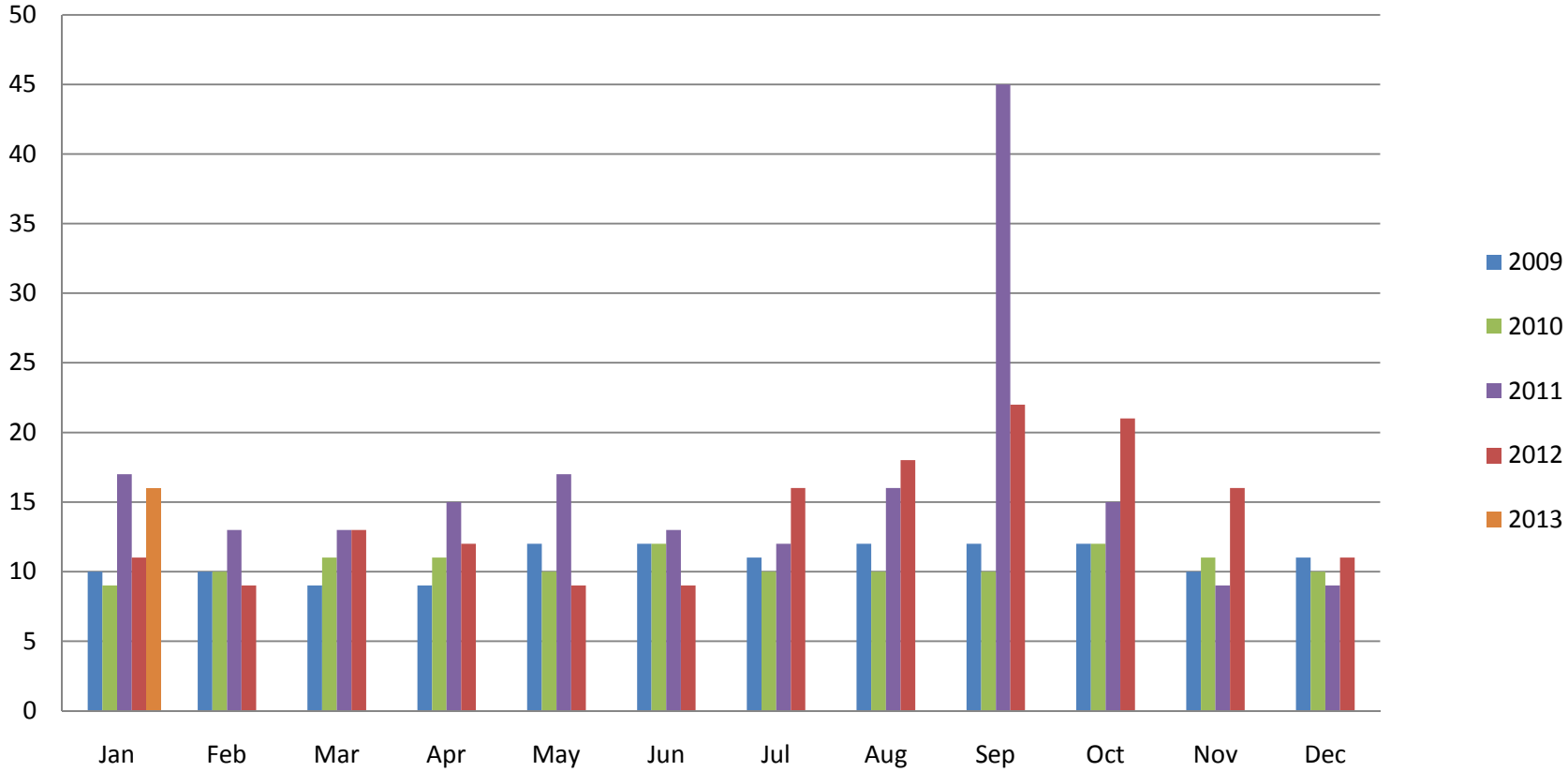
# ***ATTACHMENT D***

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***(Recycling Report)***

Action: For your information

# Recycling Diversion Rate 2009-2013 (Tonnage)



# ***ATTACHMENT E***

***(UST/AST Report)***

Action: For your information

**SUMMARY TABLE OF UST INCIDENTS  
WITHIN THE CITY OF GREENVILLE**

Date Occurred	Property Owner	Address	Close Out Date	Type of Incident	Comments
12/18/2012	PORTER PROPERTY (MATT)	105 MARTINSBOROUGH ROAD		SL	
12/3/2012	MATTHEIS RESIDENCE (FLOYD)	1402 EVERGREEN DR.		SL	(1) 280-GAL HEATING OIL UST REMOVED ON 12/3/2012. SOIL SAMPLES BRL. ENCOUNTERED GW. REQUESTED IAA.
11/15/2012	VANWAGENEN PROPERTY (ANN)	2606 JACKSON DRIVE		SL	
10/11/2012	BAILEY RENTAL - JACKSON DRIVE	2610 JACKSON DRIVE	2/14/2013	SL	(1) 250-GAL HEATING OIL UST REMOVED. ENCOUNTERED GW AT 6.5 FT. RB SOIL SAMPLES BELOW STGW. REQUESTED IAA10/26/2012./// REC'D IAA. GW BRL. NFA
10/11/2012	BAILEY RENTAL - ALEXANDER CIRCLE	111 ALEXANDER CIRCLE		SL	(1) 280-GAL HEATING OIL UST REMOVED 10/11/12. GW ENCOUNTERED APPROX. 6 FT BLS. SIDEWALL SOIL SAMPLE SW ABOVE STGW. IAA TO FOLLOW W/GW SAMPLING RESULTS./// Rec'd IAA. GW below 2L. Requesting LSA.///
10/10/2012	ECU 14TH STREET PARKING LOT	E. 14TH ST. AND HASKETT 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	NCDOT GREENVILLE	104 WEST BELVOIR/HWY 11	10/3/2012	NO	clean closure; no contamination observed during closure; since no contamination observed no samples were taken
9/26/2012	NCDOT GREENVILLE	104 WEST BELVOIR/HWY 11	9/26/2012	NO	2 4000 GALLON HEATING OIL USTS CLOSED BY REMOVAL;
8/23/2012	MAYO PROPERTY (ROSETTA)	223 CHURCHILL DR.	11/14/2012	SL	(1) 550-GAL HEATING OIL UST REMOVED 8/23/2012. DID NOT ENCOUNTER GW. SOIL ABOVE TPH. AFTER EXCAVATION SIDEWALL AND BOTTOM SOIL SAMPLES BELOW MSCCs. REQUESTING IAA.///REC'D IAA, NFA LTR SENT 11/9/2012.
8/14/2012	ALDRIDGE RENTAL	2007 SHERWOOD DR.		SL	(1) 280 GALLON HOME HEATING OIL UST REMOVED. SOIL EXCEEDS RES. MSCCS NEXT TO FOUNDATION. GW BDL. LSA REQUESTED 1/2/2013
8/2/2012	WILLE RESIDENCE (CARLIE)	204 MARTINSBOROUGH ROAD	1/30/2013	GW	(1) 550-GAL HEATING OIL UST CLOSED IN PLACE 8/2/2012. LIMITED EXCAVATION SHOWS SIDEWALL SOIL SAMPLES BRL. GW ENCOUNTERED APPROX 4 FT. BLS. IAA REQUESTED.///REC'D IAA. GW ABOVE 2L. REQUESTING LSA./// NRP LTR SENT 12/10/2012. SITE EXCEEDS "UNRESTRICTED USE STDS" FOR BOTH SOIL & GW.
7/25/2012	C. M. EPPES MIDDLE SCHOOL	1100 SOUTH ELM STREET	11/16/2012	SL	Tank # 2 = (1) 2,000-GAL HEATING OIL UST REMOVED 7/24-25/2012. DID NOT ENCOUNTER GW. SOIL ABOVE TPH BUT BELOW MSCCs. Concrete pad encountered at approx 9 ft. bls. Tank #1 = EXCAVATED SOIL, FOUND PIPING BUT NO TANK (obviously 1,000-gal heating oil tank had been removed previously.) NO CONTAMINATION WAS EVIDENT AT THIS LOCATION.
7/17/2012	LEAMY RESIDENCE (NANCY)	615 ELEANOR STREET	12/19/2012	GW	280 GALLON HOME HEATING OIL UST REMOVED. SOIL EXCEEDS S-GW MSCCS NEXT TO FOUNDATION. GW BELOW 2L. LSA REQUESTED.
7/16/2012	CARRAWAY ESTATE	1605 BEAUMONT DRIVE	1/30/2013	SL	280 GALLON HOME HEATING OIL UST REMOVAL. SOIL EXCEEDS RES. MSCCS NEXT TO FOUNDATION. IAA/LSA REQUESTED. LOW RANK. NRP FOR SOIL ONLY.
7/16/2012	THE PANTRY #900	4300 EASTERN PINE ROAD		SL	
6/27/2012	PERKINS DUPLEX	403 S. SUMMIT STREET	1/30/2013	GW	2 HEATING OIL USTS REMOVED FROM THIS PROPERTY. COMBINED ONTO 1 EXCAVATION. SOIL EXCEEDS RES. MSCCS NEXT TO FOUNDATION. GW SAMPLE RESULTS TO FOLLOW IN IAA REPORT. GROUDNWATER ESXCEEDS 2L STANDARDS. LSA REQUESTED. LOW RANK. NRP FOR SOIL AND GW.



**SUMMARY TABLE OF UST INCIDENTS  
WITHIN THE CITY OF GREENVILLE**

Date Occurred	Property Owner	Address	Close Out Date	Type of Incident	Comments
6/13/2012	KENDRICK PROPERTY (SCOTT)	905 SE GREENVILLE BLVD.	9/26/2012	GW	280 GALLON HOME HEATING OIL UST REMOVAL. AFTER EXCAVATION, SOIL CONTAMINATION BELOW S-GW MSCCS. GW ENCOUNTERED DURING EXCAVATION. GW RESULTS TO FOLLOW IN IAA REPORT. GW BELOW 2L. NFA.
6/11/2012	HOWIE RESIDENCE (ANN)	1009 NORTH OVERLOOK DR.	10/24/2012	SL	(1) 280-GAL HEATING OIL UST REMOVED ON 6/11/2012. DID NOT ENCOUNTER GW. ALL SOIL SAMPLES BELOW STGW. REQUESTING IAA. /// NFA LETTER SENT 10/24/2012.
6/5/2012	SAINT JAMES PARSONAGE	114 LORD ASHLEY DRIVE	12/17/2012	SL	550 GALLON HOME HEATING OIL UST REMOVAL. AFTER EXCAVATION, SOIL BELOW S-GW MSCCS. GW ENCOUNTERED. GW RESULTS TO FOLLOW IN IAA REPORT.
5/21/2012	WHITEHURST ESTATE	103 MARTINSBOROUGH RD.		SL	550 GALLON HOME HEATING OIL UST REMOVAL. AFTER EXCAVATION SOIL BDL. GW ENCOUNTERED. GW RESULTS TO FOLLOW IN IAA REPORT. GW BDL, NFA.
5/14/2012	PIRATES CHOICE EXXON (FORMER)	3105 EVANS STREET	7/31/2012	GW	PETROLEUM RELEASE IN 2007; USTS NEVER CLOSED BY REMOVAL; ASSOCIATED WITH INCIDENT NUMBER 31769; OLD RELEASE RANKED LOW; NRP, NFA IN 2007; USTS CLOSED BY REMOVAL IN 5/12;
5/7/2012	WHITFIELD EQUITY INVESTMENTS PROPERTY	312 CLAIRMONT CIRCLE	11/6/2012	GW	280 GALLON HOME HEATING OIL UST REMOVED. CONTAMINATION WAS DISCOVERED AS A RESULT OF AN OVERFILL. ADDITIONAL SOIL EXCAVATED IN OVERFLOW AREA. AFTER EXCAVATION SOIL BELOW DETECTION LIMIT. GROUNDWATER ENCOUNTERED. GW WILL BE SAMPLED DURING IAA. GW EXCEEDS 2L. LSA REQUESTED. NRP FOR GW ONLY.
5/1/2012	Pantry 826	4000 South Memorial Drive		SL	
4/24/2012	RICKS RESIDENCE (JAMES & SUSAN)	117 S. HARDING ST.	11/6/2012	GW	550 GALLON HOME HEATING OIL UST REMOVED. GROUNDWATER ENCOUNTERED DURING EXCAVATION. GW SAMPLE RESULTS TO FOLLOW IN IAA REPORT. SOIL BDL FOR PETROLEUM CONSTITUENTS. GW EXCEEDS 2L, NRP FOR GW ONLY.
3/26/2012	CITY OF GREENVILLE STARLIGHT ALLEY	SOUTH WASHINGTON ST.		SL	
2/22/2012	MAXON PROPERTY (JOHN)	1404 E. WRIGHT RD.	9/6/2012	GW	(1) 280-GAL HEATING OIL UST REMOVED ON 2/22/12. GW ENCOUNTERED AT ~ 8 FT. EW SIDEWALL SOIL SAMPLE ABOVE RESID IN AROMATICS. REQUESTING IAA./// REC'D IAA. GW ABOVE 2L. REQUESTING LSA./// REC'D LSA. RANKED L90D. NRP'D FOR GW & SOIL.
2/21/2012	PANTRY #799	316 EAST 10TH STREET	1/3/2013	SL	CONTAMINATION EXCEEDING TPH ACTION LEVELS WERE DISCOVERED DURING A PHASE 1 ESA. RBSS WERE BELOW S-GW MSCCS, THEREFORE NFA IS REQUIRED AT THIS TIME.
2/15/2012	PERKINS RESIDENCE (PHILLIP & ANGIE)	211 KING GEORGE RD	7/11/2012	SL	550 GALLON HOME HEATING OIL UST REMOVED. AST ADJACENT. AST SS BDL. BASE SOIL SAMPLE IN UST EXCAVATION EXCEEDS SOIL-GW MSCCS. GW NOT ENCOUNTERED DURING EXCAVATION. IAA/LSA REQUIRED. LOW RANK. SOIL BELOW RES. MSCCS, GW BELOW 2L. NFA ISSUED 7/10/2012

**SUMMARY TABLE OF UST INCIDENTS  
WITHIN THE CITY OF GREENVILLE**

Date Occurred	Property Owner	Address	Close Out Date	Type of Incident	Comments
2/11/2012	DANIEL RESIDENCE (RAE)	227 ORTON DRIVE	8/14/2012	GW	(1) 280-GAL HEATING OIL UST REMOVED ON 2/1/2012. EXCAVATED 57.3 TONS CONTAMINATED SOIL. SW&BS SOIL SAMPLES ABOVE RESIDENTIAL. DID NOT ENCOUNTER GW AT FINAL EXCAVATION DEPTH OF 10 FEET. MW INSTALLED ON 3/7/12. REQUESTED IAA.//// rec'd IAA GW above 2L, requesting LSA./// REC'D LSA. RANKS L95D. NRP FOR SOIL & GW.
1/24/2012	MORAN RESIDENCE (JON AND LINDA)	2126 POTERTOWN ROAD	6/21/2012	GW	750 GALLON HEATING OIL UST CLOSED IN PLACE. SOIL EXCEEDS 10 TPH. RB SOIL DATA AND GW RESULTS TO FOLLOW IN IAA REPORT.
12/14/2011	STOKES PROPERTY (SYLVIA)	2155 OLD RIVE ROAD		NO	NC DOT PERFORMED A PRELIMINARY SITE ASSESSMENT ALONG THE DOT ROW & EASEMENT AT PARCEL 4 (formerly Parcel 3) SYLVIA K. STOKES, et. al. PROPERTY. PARCEL #003 STATE PROJECT B-4787,. WBS ELEMENT #38557.1.1. THERE WAS NO EVIDENCE OF USTs ALONG THE ROW. NINE(9) SOIL SAMPLES WERE COLLECTED FROM BORINGS TO DELINEATE PETROLEUM CONTAMINATED SOILS WITHIN THE ROW. ONE (1) GW SAMPLE WAS COLLECTED. LAB RESULTS INDICATED THAT NO SAMPLES EXCEEDED THE NCDENR ACTION LEVELS FOR SOIL OR GW.
12/13/2011	DAVIS PROPERTY (ANN)	1100 EAST 3RD ST.		SL	(1) 280-GAL HEATING OIL UST REMOVED 12/13/2012. CLOSURE SAMPLE TAKEN AT 9 FT. DID NOT ENCOUNTER GW. IAA REQUESTED 7/2/2012./// SOIL SAMPLES ABOVE STGW & RESIDENTIAL MSCCs. REQUESTING LSA.///
10/25/2011	EVANS RESIDENCE (RICHARD)	200 CROWN POINT ROAD	5/1/2012	SL	(1) 550-GAL HEATING OIL UST CLOSED IN PLACE 10/25/2011. GW NOT ENCOUNTERED. ANGLED SOIL BORINGS SOIL SAMPLES ABOVE RESIDENTIAL. REQUESTING IAA. IAA REC'D GW BELOW 2L. REQUESTING LSA./// NO RECEPTORS, SOIL ABOVE RESIDENTIAL, GW BELOW 2L. NRP FOR SOIL.
10/25/2011	EAST CAROLINA JOYNER LIBRARY	JOYNER LIBRARY LOADING DOCK		GW	JOYNER LIBRARY LOADING DOCK LIFT PLATFORM RELEASE OF HYDRAULIC FLUID; POTENTIALLY FROM UNDERGROUND PISTON.
10/4/2011	GRAZIANI RESIDENCE (RON)	301 ORTON DRIVE	4/17/2012	SL	(1) 550-GAL HEATING OIL UST REMOVED ON 10/4/2011. CONTAMINATED SOIL EXCAVATED. SIDEWALL SOIL SAMPLE SW ABOVE RESIDENTIAL. GW NOT ENCOUNTERED AT DEPTH OF 11 FT. IAA REQUESTED 11/14/2011. REC'D IAA. NO GW ASSESSEMENT. ASKED FOR LSA./// GW BRL, SOIL ABOVE RESIDENTIAL, NO RECEPTORS, NRP SOIL.
10/3/2011	Stringfield Property (Delzora)	703 McDowell Street		SL	UST REMOVAL INVESTIGATION LED TO DISCOVERY OF CONTAMINATED SOIL. WARO COLLECTED CONFIMATION SOIL SAMPLES. ANALYTICAL RESULTS INDICATE CONTAMINATED SOIL EXCEEDS TPH ACTION LEVELS. RP DECEASED. REFER TO STATE LEAD.ACCEPTED STF 2/8/12
9/23/2011	FLYNN CHRISTIAN FELLOWSHIP (FORMERO)	901 HOOKER RD.	5/31/2012	SL	
8/10/2011	ST. PAUL'S EPISCOPAL CHURCH	411/413 E. FOURTH ST.		GW	(1) 1,000-GAL HEATING OIL UST REMOVED ON 7/27/2011. EXCAVATION LIMITED BY BLDG FOUNDATIONS. SOIL ABOVE RESIDENTIAL. HAVE NOT ASSESSED GW AT TIME OF IAA. REQUESTING LSA./// LSA REC'D 8/9/2012. GW BELOW 2L. NO RECEPTORS W/IN 1500 FT. NRP FOR SOIL ONLY.

**SUMMARY TABLE OF UST INCIDENTS  
WITHIN THE CITY OF GREENVILLE**

Date Occurred	Property Owner	Address	Close Out Date	Type of Incident	Comments
6/27/2011	RIDLEY PROPERTY (JOHN & JULIE)	1708 KNOLLWOOD DR.		SL	550 GALLON HOME HEATING OIL UST REMOVED. SOIL EXCEEDS MSCCS IN BASE SAMPLE. GW NOT ENCOUNTERED DURING EXCAVATION. LSA REQUIRED.
4/14/2011	HARRIS RESIDENCE (NANCY)	1611 BEAUMONT DRIVE		GW	550 GALLON HOME HEATING OIL UST REMOVED. SOIL EXCEEDS RES. MSCCS AT FOUNDATION AND IN BASE SAMPLE. GW NOT ENCOUNTERED DURING EXCAVATION. EXCAVATION DEPTH APPROX. 11.5'. IAA/LSA REQUIRED. IAA REPORT REC'D. 0.10' FP MEASURED IN MW-1. RECOVER RP/LSA. INTERMEDIATERANK. STOP FUNDING LETTER SENT 9/22/2011
2/23/2011	DOUGLAS RESIDENCE (DICK & JANEY)	204 HAMPTON CIRCLE		GW	550 GALLON HOME HEATING OIL UST REMOVED. AFTER EXCAVATION, SOIL EXCEEDS RES. MSCCS IN BASE SAMPLE. IAA/LSA REQUIRED. IAA REPORT REC'D 6/1/2011. 0.09 FEET OF FP MEASURED IN MW-1. WARO REQUEST FP REMOVAL IN ADDITION TO LSA. LSA REC'D. FP BAILED. I RANK DUE TO FP/2B. STOP FUNDING LETTER ISSUED 8/1/2011
2/16/2011	KILCOYNE RESIDENCE (BRIAN & BETTE)	2303 EAST 3RD ST.		GW	(1) 280-GAL UST WAS CLOSED IN PLACE ON 2/16/2011. UST WAS PARTLY UNDER HOUSE. DID NOT ENCOUNTER GW AT SURROUNDING EXCAVATION OF 6.5 FT. SOIL TPH ABOVE STDS. RB SOIL SAMPLES "BRL." MW INSTALLED 2/28/2011. GW RESULTS TO FOLLOW IN IAA. /// REC'D IAA 3/32/2011. GW ABOVE 2L. REQUESTING LSA./// REC'D LSA GW ABOVE 2L. BECAUSE SOIL WAS INACCESSIBLE NEXT TO THE HOUSE AND THE TPH READINGS WERE HIGH, THE SOIL IS MOST LIKELY CONTAMINATED IN THAT AREA. THEREFORE WE ARE REQUESTING AN NRP FOR THE PROPERTY FOR BOTH "SOIL" AND GW.
10/19/2010	HILLIARD PROPERTY (MARIE)	210 BELVEDERE DR.		GW	HEATING OIL UST /// (1) 280-GAL HEATING OIL UST REMOVED ON 11/23/2010. NO GW ENCOUNTERED. SOIL ABOVE RESIDENTIAL. REQUESTING LSA.
10/19/2010	F & H MART	425 HOOKER ROAD		GW	(1) 6,000-GAL & (2) 8,000-GAL GASOLINE USTs REMOVED IN 1994. NO REPORTS SUBMITTED AT THAT TIME. ENFORCEMENT MAY 2010. ANALYTICAL RESULTS FROM SOIL BORING SAMPLES DEMONSTRATE SOILS REMAINING AT THE UST AREA EXCEED THE STGW AND RESIDENTIAL MSCCs. REQUESTING LSA./// GW ABOVE 2L BUT NOT GCL. NRP FOR SOIL AND GW. LTR SENT 8/11/2011.
8/30/2010	KASH & KARRY #11	4115 OLD TAR ROAD		SL	
6/14/2010	GOGOEL PROPERTY (MICHAEL)	400 S. SUMMIT STREET	4/12/2012	GW	550 GALLON HEATING OIL UST REMOVED. SOIL EXCEEDS RES. MSCCS AT BASE AND FOUNDATION SIDEWALLS. FURTHER EXCAVATION LIMITED. GW NOT ENCOUNTERED DURING EXCAVATION. LSA REQUIRED. LOW RANK. NRP FOR SOIL AND GW (MTBE 3 UG/L).

**SUMMARY TABLE OF UST INCIDENTS  
WITHIN THE CITY OF GREENVILLE**

Date Occurred	Property Owner	Address	Close Out Date	Type of Incident	Comments
5/4/2010	Pitt County Memorial Hospital	2100 Stantonsburg Road		GW	RELEASE OCCURRED FROM A LINE THAT CONNECTS (2) USTS USED TO STORE EMERGENCY GENERATOR FUEL FOR THE NEW HEART CENTER. THE SECTION THAT BROKE WAS WITHIN THE CONTAINMENT VESSEL. FUEL OVERFILLED THE CONTAINMENT VESSEL AND FLOWED INTO THE GRAVEL CONTAINMENT VESSEL SURROUNDING THE TANKS. AREA ABOVE USTS IS PAVED. GMA WAS CONTRACTED TO PERFORM SOIL AND GW SAMPLING. /// IAA REC'D SOIL ABOVE RESIDENTIAL BUT NOT INDUSTRIAL MSCC. FREE PRODUCT 2.53 FT IN MW 2. ASKED FOR LSA AND FP RECOVERY ON 9/23/2010./// REC'D LSA 2/3/2011. WSW 200' SE. RANKS HIGH. REQUESTING CSA.///

**SUMMARY TABLE OF AST INCIDENTS  
WITHIN THE CITY OF GREENVILLE**

Date Occurred	Property Owner	Address	Close Out Date	Type of Incident	Comments
10/3/2012	CATTAIL LANE COMPLAINT	ACROSS 3606 CATTAIL LN		NO	According to owner of property the neighbor that complained has a history of complaining about all the neighbors and may be mentally unstable. WaRO investigated the site and found no petroleum release on the property. The owner of the property lives across the street from the property with the work trailer..both lots are very well cared for.
6/4/2012	ECU FLANAGAN TRANSFORMER	210 EAST 4TH ST.	12/6/2012	SL	2ND TRANSFORMER LEAK
12/28/2011	ALLEN ROAD FUEL SPILL	PARCEL 34809	1/31/2013	SL	
9/2/2011	CITY OF GREENVILLE SANITATION TRUCK SPILL	RIGHT OF WAY 920B B'S BBQ RD	4/24/2012	NO	APPROX 80 GALLONS OF DIESEL FUEL WAS SPILLED INTO A GRAS LINE ROADSIDE SWALE DUE TO A RUPTURED FUEL TANK ON A CITY SANITATION TRUCK. GRANULAR & PAD ABSORBENTS WERE USED TO COLLECT/CONTAIN SPILL IMMEDIATELY. SPILL STOPPED AND CONTAMINATED SOIL WAS REMOVED. NO GW DETECTED.//// ON 1/19/2012 WARO STAFF VISITED SITE AND SAMPLED SOIL. ON 2/16/2012 LABORATORY RESULTS WERE RETURNED WITH NON DETECTED TPH GAS/DRO. NO FURTHER ACTION IS REQUIRED.
11/30/2005	FISHER PROPERTY (RALPH)	3135 BELLS FORK ROAD		SL	
3/22/2005	RIVER PARK NORTH	801 MUMFORD ROAD		GW	DIVISION OF WATER RESOURCES (DWR) INSTALLING A RESEARCH WELL AT THE FORMER BARRUS CONSTRUCTION SITE, DISCOVERED FREE PRODUCT WASTE OIL AND BURIED OIL CANS. BARRUS NOW PART OF APAC-ATLANTIC IN CHANLER, NC. SITE IS NOW LOCATED ON PROPERTY OWNED BY THE CITY OF GREENVILLE AND CALLED RIVER PARK NORTH. . APS SAMPLED SOIL AND GW ON 3/22/2005. NOV ISSUED TO APAC-ATLANTIC ON 3/29/05. APAC DUE TO ASSESS SITE AND SPILL RESPONSE. PAST DUE..PROCEED TO ENFORCE.City of Greenville acting as RP as landowner.CSA received July 2006 is not complete. Finalized assessment due 10/20/2006. Revised CSA received 01/25/07. CAP requested 03/012007.
5/28/2003	ECU/HAYNIE LAND	10TH STREET		SL	SOIL ASSESSMENT AND REMEDIATION OF IMPACTED SOILS TO BE
5/19/2003	DAUGHTRIDGE OIL	2102 DICKINSON AVE		GW	5/28/04 issue NOV for failure to submit CSA. adjacent property (Carawan Oil) has GW contamination. -AMH Daughtridge is an old UST site #19666.
10/24/1996	QUALITY OIL COMPANY	220 HOOKER ROAD		GW	Semi-annual monitoring. Comingled UST and AST release.
3/4/1994	DSM PHARMACEUTICALS (FORMER GLAXO WELLCOME)	BUILDING 31 COGENERATION FACIL		GW	
3/21/1992	CHAMPION'S GYM	207 EAST 5TH STREET		SL	UNIDENTIFIED PERSON OPENED VALVE TO AST SYSTEM AND 50 GALLONS RELEASED
4/3/1989	PITT COUNTY SCHOOLS MAINTENANCE ANNEX	CONTENTNEA ST. & THIRD ST.		SL	
12/1/1988	MCTHRIFT MART FOOD STORE #4	1110 N. MEMORIAL DRIVE		GW	SEMIANNUAL MONITORING