

**Town of Navassa
Environmental & Stormwater
Advisory Committee**

June 7, 2010
5:30 PM

**Environmental & Stormwater
Advisory Committee**

Gregory Westfield, Chairman
Dorsey Jones Jr., Vice Chairman
Eulis Willis, Ex Officio
Ella Beatty
John Klein

Travis Barnes, Town Planner

Call to Order

Approval of Minutes

Old Business

1. Address Outstanding Issues from DRAFT Stormwater Ordinance (Attached):
 - a) Review Final Draft; Committee Recommendation Needed
 - b) Planning Board will also be given a draft to review.
2. Update on Stormwater Poster Contest: No posters were submitted. Staff recommends that we try again next year.

New Business

1. Review Draft Environmental Plan and NCLM Green Challenge Requirements Update:
 - a) ***Town Council Resolution***- Adopted on February 18th
 - b) ***Adopt an Energy Improvement Plan (Level 1 measure)***- Included in environmental plan.
 - c) ***Register with EPA Energy Star Challenge (Level 1 measure)***- Staff registered with the Energy Star Challenge and filled out the descriptive paragraph for their website. Staff also completed the baseline emissions inventory per the requirements of the Green Challenge.
 - d) ***Create a Water Conservation & Education Program (Level 1 measure)***- In environmental plan.
 - e) ***Establish an Energy Manager Position/Responsibility (5 pts)***- Included in Environmental Plan.
 - f) ***Green Building Resolution/Policy (5 pts)***- Separate agenda item, but also included in Environmental Plan.
 - g) ***Implement an Internal Government Recycling Program (5 pts)***- In Environmental Plan.
 - h) ***Recycled Office Paper Procurement Policy (5 pts)***- In Environmental Plan.
 - i) ***Anti-Idling Policy for Vehicles (5 pts)***- Separate agenda item, but also included in Environmental Plan.
 - j) ***Promote Permanent Conservation Easements on Private Property of Public Land (5 pts)***- Needs to be added to the Environmental Plan.
 - k) ***Tree Preservation & Planting Plan (5 pts)***- Needs to be added to the Environmental Plan.
 - l) ***Implement Environmental Education Program for the Local Community (5 pts)***- Needs to be added to the Environmental Plan.
 - m) ***Innovations and Special Accomplishments (5-20 pts awarded by NCLM)***- I think that we could potentially get 5 points for work the town is doing to upgrade the Phoenix and Davis Creek Parks. We will hopefully be including a nature trail as part of the Phoenix Park and Davis Creek Park will have pervious pavement. It doesn't hurt to apply for the points.

2. Green Building Resolution (See Attached):
3. Limitation on Engine Idling Policy (See Attached):

Staff Report

1. Staff has created a work list of all of the responsibilities created by the Stormwater Ordinance upon its adoption in order to help with administration of the ordinance. NCDENR will be contacted to help administer the first stormwater permit under the town's new ordinance upon its approval.
2. Staff has completed the annual Phase II report and submitted it to NCDENR. The town will begin to start working to address existing deficiencies identified. Staff is working on a development review flowchart, and the stormwater application submittal checklist.

Chair's Report

1. The next EVS meeting will be on Monday, July 5th at 5:30 PM at Town Hall.

Member Comments

Public Comment

Adjournment

TOWN COUNCIL OF NAVASSA

RESOLUTION THAT ALL NEW MUNICIPAL BUILDINGS OVER 3,000 SQUARE FEET BE LEED CERTIFIED

The Town Council moved that the following resolution be adopted:

WHEREAS, the Town desires to become more sustainable by pursuing measures designed to conserve natural resources, emphasize the benefits of energy conservation, protect natural habitats and open space, promote environmental stewardship, and help educate the public about environmental issues;

WHEREAS, the Town wants to demonstrate that conservation practices can be applied to the daily operations of municipal government and to infrastructure projects;

WHEREAS, the Town seeks to find methods of service delivery and operations that conserve energy and resources, thus saving taxpayer dollars and protecting and preserving the environment;

WHEREAS, the Town recognizes that sound conservation practices can reduce government costs over the long-term;

WHEREAS, sustainable building practices conserve energy, water, and other natural resources, promote health and safety and create high quality enduring structures, and construction and operation and maintenance of buildings in accordance with the Leadership in Energy and Environmental Design (LEED) U.S. Green Building Council guidelines promotes these goals;

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE TOWN OF NAVASSA, NC that the Town Council hereby directs the Town Administrator to take the steps necessary to assure that all future Town Buildings over 3,000 heated square feet, for which design work has not already been completed, are to be designed and built in accordance with the standards and requirements of the Leadership in Energy and Environmental Design (LEED) Green Building Rating System, Certified Level, as specified in the "LEED Green Building Rating System, version current at the time of design and that such Town Buildings be built to the highest LEED Certification appropriate above and beyond the Certified level without requiring additional appropriations from Council.

Adopted this ____ day of April, 2010

Eulis A. Willis, Mayor

Attest: _____
Charlena Alston, Town Clerk

Seal

Town of Navassa

Limitation on Engine Idling Policy

SEC. 1. FINDINGS AND PURPOSE

The Town of Navassa Public Works Department finds that:

1. Air pollution is a major health concern in many metropolitan areas of the United States. These air pollution problems are caused in large part by emissions from automobiles and trucks. Air pollution can cause or aggravate lung illnesses such as acute respiratory infections, asthma, chronic bronchitis, emphysema and lung cancer. In addition, diesel emissions have been identified as an issue that disproportionately affects low-income urban neighborhoods. Evidence suggests that diesel exhaust, particularly particulates, contributes to this urban health problem.
2. Exhaust from vehicles (both on- and off-road) is a substantial source of carbon monoxide, toxic air contaminants and greenhouse gases.
3. A study of idling exhaust emissions conducted by the U.S. Environmental Protection Agency (EPA420-R-02-025, October 2002) indicates that the typical 1980s – 2001 model year truck operating on diesel fuel emits 144 grams per hour of nitrogen oxide and 8224 grams per hour of carbon dioxide emissions and consumes 0.82 gallons of fuel per hour while idling.
4. Turning off and starting an engine uses less fuel than letting the engine run for thirty seconds.
5. Modern vehicles need a maximum of 30 seconds of idle at start up. The best way to warm up a vehicle is by driving it.
6. Engine wear is greater at prolonged idle than during normal operation.
7. The Town of Navassa can play an important role in improving air quality and reducing the consumption of petroleum products by limiting the amount of time vehicle engines are allowed to idle within its jurisdiction.
8. Under this Policy, a Limitation on Engine Idling is established by the Town of Navassa to discourage the idling of local government vehicle engines.

SEC. 2. DEFINITIONS

1. “Driver” means any person who drives, operates, or is in actual physical control of a vehicle.
2. “Emergency” means a sudden, urgent, usually unforeseen, occurrence.
3. “Equipment Operator” means any person who is in actual physical control of a piece of off-road equipment.
4. “Gross Vehicle Weight Rating” means the weight specified by the manufacturer as the loaded weight of a single vehicle.
5. “Heavy-Duty Vehicle” means any on-road motor vehicle with a manufacturer’s gross vehicle weight rating greater than 14,000 pounds.

6. "Idling" means the engine is running while the vehicle is stationary or the piece of off-road equipment is not performing work.
7. "Medium-Duty Vehicle" means any on-road motor vehicle with a manufacturer's gross vehicle weight rating of 6,001 – 14,000 pounds.
8. "Official Traffic Control Device" means any sign, signal, marking or device placed or erected by authority of a public body or official having jurisdiction, for the purpose of regulating, warning or guiding traffic, but does not include islands, curbs, traffic barriers, speed humps, or other roadway design features.
9. "Off-Road Equipment" means all non-road equipment with a horsepower rating of 50 or more.
10. "Vehicle" means any on-road, self-propelled vehicle that is required to be registered and have a license plate by the Department of Motor Vehicles.

SEC. 3. APPLICABILITY

There is hereby established a policy to be known as the Limitation on Engine Idling Policy that applies to the operation of all Town of Navassa vehicles regardless of gross vehicle weight rating, all heavy-duty vehicles regardless of fuel being used, all off-road diesel-powered equipment regardless of horsepower rating and all off-road equipment regardless of fuel being used, except as provided in Section 5.

SEC. 4. IDLING LIMITATION

1. A driver of a vehicle:
 - a. must turn off the engine upon stopping at a destination; and
 - b. must not cause or allow and engine to idle more at any location for:
 - i. more than 30 consecutive seconds; or
 - ii. a period or periods aggregating more than five minutes in any one-hour period.
2. An equipment operator of an off-road piece of equipment not identified in (1) above must not cause or allow an off-road piece of equipment to idle at any location for:
 - a. more than 30 consecutive seconds; or
 - b. a period or periods aggregating more than five minutes in any one-hour period.
3. The Town of Navassa will ensure that vehicle drivers and equipment drivers, upon employment and at least once per year thereafter, are informed of the requirements of this Policy.

SEC. 5. EXEMPTIONS

This Policy does not apply to a vehicle or piece of equipment for the period or periods during which:

1. Idling is necessary while stopped:
 - a. for an official traffic control device;
 - b. for an official traffic control signal;

- c. for traffic conditions over which a driver has no control, including, but not limited to: stopped in a line of traffic, stopped at a railroad crossing or stopped at a construction zone; or
 - d. at the direction of a policeman or other official traffic controller.
- 2. Idling is necessary for testing, maintenance, repair or diagnostic purposes;
- 3. Idling is necessary to ascertain that the vehicle and/or off-road piece of equipment is in safe operating condition and is equipped as required by all provisions of law and established safety policies;
- 4. The vehicle is not expected to restart due to mechanical or electrical problems;
- 5. Idling the engine is required to power auxiliary equipment other than a heater or air conditioner, e.g. hoist, lift, computers, safety lighting, air compressor;
- 6. Idling is necessary to operate defrosters, heaters, air conditioners or other equipment to prevent a safety or health emergency, but not solely for the comfort of the driver or passengers;
- 7. Idling is necessary to cool down a turbo-charged heavy duty vehicle in accordance with the manufacturer's recommendation.
- 8. Idling is necessary for fire apparatus operations at a scene of an emergency or other public assistance incident. Fire apparatus operations will be directed by fire department operation policy;
- 9. Idling is necessary for Police vehicles during traffic stops, accidents, or other emergency situations in order to operate emergency lighting and other police equipment,