

EARTH RESOURCES INC.

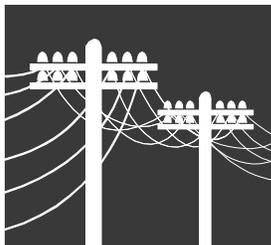
Waste to Clean Energy

PUBLIC INFORMATION DOCUMENT

**GEORGIA 116
FRANKLIN COUNTY**

**PLANT CARL
CARNESVILLE, GEORGIA**

MAY, 2006



*Power Distribution
Engineers, Inc.
Atlanta, Georgia*

EARTH RESOURCES

INC.

GEORGIA 116 FRANKLIN COUNTY

PLANT CARL

CARNESVILLE, GEORGIA

MAY, 2006

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1.0 INTRODUCTION AND DESCRIPTION

Earth Resources, Inc. (ERI) is a Georgia based corporation focused on waste to clean energy projects. Two renewable forms of biomass waste streams are readily available in our location, namely chicken litter and woody inert biomass. Georgia carries a designation as the "fourth largest nation on earth" in poultry production. In particular, our location, the northeast Georgia quadrant of the state, contains the most condensed region of poultry production. In the poultry production industry there is a tremendous amount of chicken litter produced from grower houses. There are thousands of grower houses in the North Georgia Area. Growers such as Wayne Poultry, Mar-Jac, Fieldale, Goldkist, and Tyson are the 'integrators' doing business with these houses. The houses must be cleaned out approximately every 6 months. According to the Georgia Poultry Association the poultry industry is expected to continue its historical growth rate of 3% annually. The Georgia Environmental Protection Division (EPD) is steadily exerting pressure towards compliance with clean water standards as related to poultry houses. The soil nutrient survey requirements that have been implemented are a paperwork intensive process that determines the amount of litter allowed to be spread on land sites. As the litter waste stream gets larger and urbanization continues, the locations available to spread it as fertilizer diminish and the cost of taking it elsewhere becomes problematic. On the woody biomass side, ERI has developed a construction and demolition landfill. With development and growth moving steadily in our direction, a long-range significant input stream is anticipated. In an effort to conserve airspace in this operation, ERI intends on culling the usable woody biomass component from that input stream for clean fuel along with the chicken litter.

ERI, being a Federal Energy Regulatory Commission (FERC) certified 'Qualified Facility' (QF-03-1-000), is proposing to build a 20-megawatt power plant utilizing chicken litter, woody biomass or other renewable resources. The plant will be operated on a 24-hour continual basis for a planned 350 days per year on a priority quality utility basis.

The process to be used is a typical traditional boiler-turbine operation. It basically involves feeding the above mentioned fuels into a bubbling fluidized bed at the base of the boiler. Hot gas energy is derived from combustion of the fuel, which is in turn transferred into a very pure water containing loop system, which is changed in

phase from liquid to gas (i.e. steam), in our case at 850 psi. The energy in the steam is then routed to a steam turbine-generator where it is converted to mechanical energy and in turn to electrical energy for distribution onto the nation's electrical grid.

The chicken litter portion of the fuel will be stored out of the weather and in sufficient quantity for three days operation. An additional seven plus days supply of woody biomass will be maintained. We will therefore have a minimum ten day plus fuel back-up supply for inclement weather or other factors making the intake of fuel difficult or impossible for a period of time. The plant together with the fuel storage area will cover about five acres.

A pilot plant was specifically designed and modified by ERI to get first hand experience relating to combusting chicken litter issues. In addition, we received a USDA/DOE grant to further study the impact of chicken litter as a fuel. ERI, along with the University of Georgia Engineering Outreach Service and Gas Technology Institute (GTI) of Des Plaines, Illinois as team partners, participated collectively in looking at the gases and ashes that remain as a result of combustion. The pilot plant has been run on numerous occasions for demonstration purposes. The unit indicates excellent promise as far as emissions from a plant utilizing chicken litter and wood for fuel.

In conclusion, the excellent environmental benefits to the agricultural community make this a win-win situation that offers an environmental value to the power end user and an additional option for the poultry producers.

1.1 GENERAL AREA AND SITE DESCRIPTION

The terrain in the vicinity of the proposed power plant, Plant Carl, is gently undulating with a mixture of secondary growth hardwoods, pastureland, grass cropland, limited planted pine tracts, poultry operations, and rural residential sites.

This area located in Franklin County of northeast Georgia consists of a mixture of small agricultural operations with small residential sites. The residential sites are typically on the order of three to ten acres while the agricultural operations are typically forty to 100+ acre family operations. A fair share of the family operations are supplemented by additional outside employment. The majority of those operations are poultry, namely broiler production. The balance of the agricultural operations consists of pasturage, some hay cropping, and cattle production.

The poultry producers range in size from two to six or eight chicken 'houses', with some having up to sixteen houses. The typical chicken house's production is six flocks per year with 30,000 broilers in each flock. There are between 1000 and 1100 chicken houses within a ten-mile radius of the 'Plant Carl' site.

The planted pine areas are on the order of 20 years old. The secondary growth hardwood areas were typically cultivated areas prior to the 1950's and 60's, a considerable amount of which was devoted to cotton production.

The site is located on State Route 198 two miles from Interstate-85 in Franklin County (3465 SR 198). The entire plat of land, which Plant Carl will be sited on, consists of 139 acres. The site itself is situated 1,000 feet off of Hwy. 198. The entrance will be designed similarly to the entrance of a modern development. Eight acres will be used for the development of this plant which has previously been cleared of which five acres have been previous graded for a project initiated two years prior to Plant Carl. Due to engineering and safety considerations, the project was delayed until a more cost effective process could be proven. It will sit in a very private setting surrounded by the remainder of the original 139 acres. The remaining acreage has no current or future considerations other than providing a natural buffer. By using this site, new grading costs, construction weight load issues and the time required for proper settling will be eliminated. Incorporating the previously graded land will have no more adverse environmental impacts.

A cross-country high voltage transmission system with its associated right-of-way passes on the back edge of the four graded acres. A power plant immediately adjacent to this right-of-way minimizes engineering problems and compliments the location setting.

1.2 PICTURES OF PROPOSED SITE





1.3 U.S. GEOLGICAL SURVEY MAPS (USGS)

Please see “*Diagram No. 2*” for the USGS 7.5 Minute series maps for the proposed Plant Carl site location. Diagram No. 1 is two USGS maps; the proposed site is in the middle of a 139-acre tract of land. This land is highlighted on these two maps, Red Hill, Ga. and Ashland, Ga.

1.4 PRELIMINARY SITE LAYOUT

Please see “*Diagram No. 1*” for a layout of the proposed Plant Carl. This map shows the boundaries of the property and the location of the area to be developed along with other information and characteristics of the land.

2.0 NEED FOR THE PROJECT

As discussed above this proposed project “Plant Carl” will help address two problems. First, chicken farmers will have an additional option to dispose of their chicken litter without further damaging the soil and associated surface water runoff from the land they spread it on. Second, landfills filling up with construction and demolition material is a common problem anywhere growth is occurring. “Plant Carl” will also be able to use the woody inert biomass as a source of fuel to create Green Power along with the chicken litter. With proposed “Plant Carl” located adjacent to a landfill that is designated for construction and demolition material it will have additional sources of fuel. This will help conserve “airspace” at landfills, and thus give them a longer life and fewer will have to be built in the future. In conclusion, the future of “Plant Carl” is an important environmental asset. This proposed plant will create Green Power from nuisance waste to feed back into the power grid. This is a win-win solution for the environment and energy conservation of the future.

3.0 ALTERNATIVES TO THE PROPOSED PROJECT

The deciding factors for the location of this project are geographic, economic and ownership. There were no other sites considered in Georgia since the location of this site meets all of the necessary requirements. It is minimally disruptive to the environment because the land was previously graded for a project that turned out to be not feasible. The local people welcome the project. The site for 'Plant Carl' is located in Franklin County, Georgia near the county seat of Carnesville on State Route 198 two miles from Interstate-85. For this plant to run efficiently, the location of the site is a major factor. The land is in a central location to the poultry farms in North Georgia and is beside a landfill that will allow easy access to the wood biomass also needed. Plant Carl will be a good asset for this community and will start the Distributed Generation Systems.

a. Alternative corridors, routes, or locations

This land was purchased several years before ERI was familiar with RUS criteria. The location of this land is good for many reasons; the community welcomes the project, accessibility and it is centrally located. Georgia

Transmission Company (GTC) and Hart E.M.C. will handle all of the corridors and routes for the distribution line.

b. Other methods to provide service

The proposed site for this project is located in Hart E.M.C. territory. Hart E.M.C. will address all of the needs for the service drop to the plant. This plant will only require a small service drop because it will use the power that it creates to run the plant. ERI will pay GTC for all of the necessary construction of the 0.6 mile long distribution line to the existing substation in Hart E.M.C.'s territory.

c. Alternative construction methods and material

Mr. Charles C. Dinsmore, the owner, is an individual who seeks to blend his projects into their surroundings in a tasteful and natural aesthetic manner.

The buildings making up Plant Carl will all be enclosed structures. The buildings and associated structures will be painted in earth tones to the maximum extent that is practical and placed accordingly to match the surrounding topography. The tallest structure will be the boiler building, about 75 feet high and should blend naturally with the surrounding tree canopy. The top of the stack will be approximately 85 feet above the ground grade.

The areas around the buildings will be paved for parking in addition to appropriate drives for traffic control. The entire plant will have a suitable chain link security fence and gates around it for safety and access control. The entrance off State Route 198 is approximately a thousand feet from the plant. The entrance drive and drives within the plant as well as the parking areas will be graded and paved in a pleasing manner with suitable landscape plantings. The overall result will be a facility that is relatively obscure as seen from the road and will not present itself as an atypical industrial park entrance, but that of a moderately upscale residential subdivision

d. Alternative designs.

There are many companies trying to develop renewable energy with little or no impact on the environment. ERI has spent the last 3 years researching and developing the utilization of chicken litter and woody biomass for fuel.

e. Load management and energy conservation

This proposed project is for the purpose of creating a reliable and cost effective source for green power. The plant will operate on a twenty-four hour basis, three hundred fifty days a year. The plant will use its own power for its own power needs. It will not interfere with consumers in the area.

f. Alternative generation technology

This proposed project is an alternative to the more conventional ways of producing electricity.

If the plant is not built, the proposed 20 MW would have to be produced by fossil fuels, which are not environmentally friendly fuel sources. Georgians will be deprived of a clean source of producing electricity. In addition, the “No Action” Alternative would result in less economic growth in the area. The Energy Revolution includes a major migration into Distributed Generation (DG) an architecture under which many small, efficient power plants located near customers will replace today’s large, inefficient plants. Distributed Generation Systems (DGS) will not only connect to the existing distribution grid system, but will also develop and deploy their own “micro grids” to serve nearby customers.

4.0 ENVIRONMENTAL IMPACTS

a. Water

As can be seen on the Earth Resources, Inc. Preliminary Site Layout (see “*Diagram No. 2*”) there are two very small feeder branches flowing south to Indian Creek on either side of the site to the west and to the east. The plant site is elevated about 20 to 40 feet above these branches. The one to the west is approximately 500 feet distant. The one to the east is 400 to 500 feet away and forms part of the property line. The west branch continues to the

south, feeding into an existing pond. This pond is south of the Georgia Power Co. easement. The branch then continues south to Indian Creek.

The discharge water from the entire plant will come from two sources, the blow down water from the cooling tower and the boiler blow down. The boiler blow down water and the cooling tower water discharge will be combined and sent to an EPD approved land application system (LAS). The LAS will be located to the rear of the power plant site and will be established in acreage of planted pine trees. It will be discharged into the above mentioned system at the rate of approximately 19 gpm. This water will have the natural minerals already in the county water supply along with trace chemicals added to the cooling tower water.

An NPDES (National Pollution Discharge Elimination System) water discharge permit will be obtained with all parameters being in compliance with both EPA as well as Georgia EPD regulations.

b. Air

Air emissions will be in total compliance with the parameters of both State and EPA regulations. Earth Resources has modified and been making a number of runs on a small pilot size boiler (40 horse power boiler) to gather data on the combustion of chicken litter. These runs have been in four to eight hour stretches. This has been in conjunction with an ongoing joint DOE/USDA grant for the past two years using 100% chicken litter as fuel. Two separate flue gas analyses were carried out by the Engineering Outreach Program of the University of Georgia at Athens, Georgia with very promising results. Plant Carl will be meeting the specific NO_x emission requirements for "green energy" as recommended by the Center for Resource Solutions (CRS). ERI will have the capability of operating on fuel mixtures of 100% woody biomass on down to a 60:40 blend of woody biomass to chicken litter, all of which will be within the State and EPA parameters.

c. Noise

Noise associated with Plant Carl will be minimal as heard from beyond the property lines. There will be two significant noise sources at the plant in

addition to normal truck traffic in and out. One is the turbine-generator unit within its own building. The sound intensity is 85 dB (decibels) standing next to the unit running at full power (equivalent to a truck without a muffler). The intensity outside the enclosed building at the property lines on each side from it will be about like a normal residential neighborhood.

The other source will be the cooling tower. The main components of noise associated with a mechanical draft cooling tower are the impact of falling water, the operation of the fans, and the operation of the circulating water pumps. The noise from this source will also be minimal at the property lines.

There are four residences in general proximity to the plant. Two are in the easterly and northeasterly direction and are 1400 to 1600 feet from the plant with some of the area between being densely wooded. The third residence is 900 to 1000 feet to the west, and the fourth to the north is approximately 1400 feet, and again a portion being wooded. The total noise from the plant is not expected to be of even the slightest concern. If however there were an issue raised noise barriers or sound insulation treatments could be used to abate the situation.

d. Odor

Even though Plant Carl will be in a concentrated area of chicken houses with their associated aroma from periodic 'clean-outs', ERI obviously does not desire to amplify that effect with its daily operation. The chicken litter is the only potential source of odor from the plant, specifically the dumping and handling of it onto and off the conveyances. This is going to be addressed by doing those steps within the poultry litter fuel house. The building will be completely enclosed with a slightly negative air draft being drawn from it and going to one of the combustion air sources for the boiler. With the negative draft even the opening and closing of doors will prevent the escape of dust from the building. The net effect will be that any dust generated will be ducted to the boiler and totally consumed.

The flue gases from the combustion of chicken litter has absolutely no peculiar or offensive odor at all. Earth Resources has been running a pilot size boiler to gather data on the combustion of chicken litter. These runs

have been conducted off and on for over two years four to eight hour stretches at times in conjunction with a DOE/USDA grant for over two years using 100% chicken litter as fuel with absolutely no offensive odor.

e. Soil Erosion

Soil erosion is an issue that has been addressed in the past and will be on an ongoing basis. See *"Exhibit No.7" for the Phillips Technical Services, Inc.* letter, "Erosion and Sedimentation Control Plan", dated Mar 16, 2006.

ERI will be obtaining the "General Permit to Discharge Storm Water Associated with Construction Activity" for this Plant Carl project and will be conducting its operation in compliance with Georgia EPD regulations.

5.0 MITIGATION AND MONITORING

1. Geological;

a. Construction

No areas of mineral resources in the project area.

b. Operation and maintenance

Addressed above.

2. Hydrological Resources;

a. Construction

ERI will be obtaining the "General Permit to Discharge Storm Water Associated with Construction Activity" for this Plant Carl project and be conducting its operation in compliance with Georgia EPD regulations. There will be a strict supervision of the handling and storage of petroleum products, chemicals, toxic substances or hazardous materials to ensure no ground water contamination. The site is by no means near a flood plain to be concerned with flooding potential.

There will be no crossing of streambeds (there is no necessity to do so at all). A 200 to 300 foot setback will be maintained from all streams and streambeds with a natural vegetative buffer zone that is already in place to minimize siltation and sedimentation. There will be no use of herbicides near

the streams and streambeds. There will be no utility support structures of any kind whatsoever within streambeds.

b. Operation and maintenance

The construction items above all apply. In addition see "4.0 Environmental Impacts, para a. Water"

3. Soils;

a. Construction

Soil erosion is an issue that has been addressed in the past and will be on an ongoing basis. Soil erosion will be minimized by seeding of appropriate grasses and mulching the cleared areas. See Phillips Technical Services, Inc. letter: "Erosion and Sedimentation Control Plan," Exhibit No. 7, dated Mar 16, 2006.

b. Operation and maintenance

See item 4 below. The immediate area around the power plant will be concrete slabs or gravel packed areas. These will all be graded in accordance with the "Erosion and Sedimentation Control Plan" mentioned above in para a and well maintained. The president of ERI has been in the grading and construction business for 35 years and is extremely proficient at these type matters.

4. Vegetation;

a. Construction

No new clearing will be required. See "1.1 General Area and Site Description."

b. Operation and maintenance

Brush and grassed areas will be kept down when applicable with blades used above the surface and not in the dirt. There is a 115 kV transmission line right of way south of the plant site that is maintained by Georgia Power or Georgia Transmission Corporation.

5. Wildlife;

a. Construction

In the small area ERI will be involved in actual construction and operation of this project (eight of the 139 acres) are no water bodies or streams involved affecting birds or fish. The deer and other small animals have plenty of habitat to remain in with no interference from ERI's intended operation. The guidelines of the National Electrical Code as well as the National Electrical Safety Code will be followed as well as standard RUS guidelines for design of electrical power lines to the power sub station located six tenths mile from the plant. This will address raptor protection and mitigating bird collisions with power lines.

b. Operation and maintenance

Addressed above.

6. Threatened and Endangered Species;

a. Construction

See Exhibit No. 6

b. Operation and maintenance

Addressed above.

7. Land Use;

a. Construction

Addressed in "3.0 Alternatives to the Proposed Project."

b. Operation and maintenance

Access to Georgia Power's high power transmission lines crossing ERI's property will be encouraged by suggesting Georgia Power use ERI's entrance rather than their own easement which is in a very primitive state and would perhaps be best suited to leave so. Georgia Power's easement is parallel to and lies immediately adjacent to ERI's entrance.

8. Aesthetics;

a. Construction

Addressed in "3.0 Alternative to the Proposed Project, para c. Alternative construction methods and material"

b. Operation and maintenance

Addressed above.

9. Historical and Archaeological Resources;

a. Construction

See Exhibit No. 9.

b. Operation and maintenance

Addressed above.

10. Transportation;

a. Construction

Nothing to impact in any way with airfield runways, approaches, flight paths, or navigational aids, etc. with this project.

b. Operation and maintenance

Addressed above.

11. Floodplains;

a. Construction

There are no floodplains in anyway near or associated with this project.

b. Operation and maintenance

Addressed above.

12. Wetlands;

a. Construction

There are no wetlands in anyway near or associated with this project.

b. Operation and maintenance

Addressed above.

13. Formally Classified Lands;

a. Construction

There are no properties owned or administered by Federal, State, or local agencies or that have been accorded special protection through formal designation in anyway near or associated with this project.

b. Operation and maintenance

Addressed above.

14. Noise, Interference, and Human Health and Safety;

a. Construction

Construction will take place during normal day hours. There will be no unusually loud noise involved during construction. The loudest item would be the occasional use of a diesel powered air compressor which is inconsequential given the distances to the nearest residences.

A properly grounded security fence with gates will surround the property.

The electrical equipment portions of the project will be designed to minimize corona discharge as well as ozone formation.

b. Operation and maintenance

Addressed in "4.0 Environmental Impacts, para. c. Noise"

15. Air Pollution;

a. Construction

Traffic access ways and roads will be dampened to minimize wind-blown dust. There will be no burning of slash or debris, such things will go directly into ERI's State EPD permitted landfill.

b. Operation and maintenance

Combustion of woody biomass materials and poultry litter will result in the emission of criteria pollutants and hydrogen chloride. ERI has conducted an Air Toxics Review in accordance with Georgia State procedures and found the facility will be within the limits for any hazardous air pollutants. An exhaust stack air dispersion mathematical model was also run with all pollutant levels below the Georgia state acceptable concentrations.

A bubbling fluidized bed will be used at the bottom of the boiler to minimize nitrogen oxide emissions which will result in a lower combustion temperature than a traditional stoker grate boiler and is generally considered to result in lower nitrogen oxide emissions. An electrostatic precipitator (ESP) will be used to control particulate matter. This device is expected to control

those PM emissions with an efficiency of approximately 98%. A dry sorbent injection (DSI) system, which scrubs the hydrogen chloride and sulfur dioxide pollutants from the exhaust gases will also be used. The expected control efficiency of the scrubber is 90% for the hydrogen chloride and 70% for the sulfur dioxide.

ERI will install continuous emission monitors to measure concentrations of carbon monoxide and the opacity of the stack exhaust and to ensure compliance with applicable permit limits.

Chicken litter is the only potential source of odor from the plant, specifically the dumping and handling of it onto and off conveyances. Five features in the plant configuration and operating procedures will mitigate the potential odor from the plant. Unloading and handling will be done totally within the poultry litter fuel house. The building will be a completely enclosed with a slight negative air draft being drawn from it and going to one of the combustion air sources for the boiler. With the negative draft even the opening and closing of doors will prevent the escape of dust from the building. The net effect will be that any dust generated will be ducted to the boiler and totally consumed in the boiler combustion area. Operational practices will include covering all trucks transporting poultry litter and washing all poultry litter delivery trucks before exiting the fuel house.

The flue stack gases from the combustion of chicken litter has absolutely no peculiar or offensive odor. Earth Resources has been running a pilot size boiler to gather data on the combustion of chicken litter. These runs have been off and on for four to eight hour stretches at times in conjunction with a DOE/USDA grant for over two years using 100% chicken litter as fuel with absolutely no offensive odor.

16. Monitoring;

a. Construction

Weekly walking inspections will be scheduled of the project area for damage, fatigue, failure, vandalism, etc. that would impact the areas addressed in this paragraph "5.0 Mitigation and Monitoring."

b. Operation and maintenance

Immediately after completion of the project as well as during regular monitoring, inspections will be made for effectiveness of the mitigation program and to ensure permit conditions have been met.

The monitoring of the air emissions is discussed above in item 15.

6.0 CORRESPONDENCE AND OTHER PROJECT COORDINATION

On March 17, 2006 correspondences were sent out to Federal, State and local agencies. The list below has “see Exhibit no.” associated with each correspondence or item with references to the additional information that was associated with it. Also included in the list are delivery and receipt information and any comments of concerns that they may have.

6.0.1 DEPARTMENT OF NATURAL RESOURCES

a. Letter

Mr. Ray Luce with the Historic Preservation Division (*see “Exhibit No. 1”*)

b. Additional information enclosed

Introduction and Description (*see Section 1.0*)

General Area and Site Description (*see Section 1.1*)

Company Information (*see “Exhibit No. 2”*)

Preliminary Site Layout (*see “Diagram No. 2”*)

7.5-minute series Topographic (*see “Diagram No. 1”*)

Franklin County Board of Commissioners, letter (*see “Exhibit No. 3”*)

Phillips Technical Services Inc letter (*see “Exhibit No. 4”*)

Franklin County Board of Tax Assessors letter (*see “Exhibit No. 5”*)

c. Return Receipt (*see “Exhibit No. 1”*)

d. Comments and concerns

Concerns (*see “Exhibit No. 9”*)

Letter and pictures to address concerns (*see “Exhibit No. 10”*)

Finding of “No Historic Properties Affected” letter (*see “Exhibit No. 11”*)

6.0.2 U.S. FISH AND WILDLIFE SERVICE

a. Letter

Ms. Sandra Tucker, Supervisor of Ga. Ecological Service (see “*Exhibit No. 1*”)

b. Additional information enclosed

Introduction and Description (see *Section 1.0*)

General Area and Site Description (see *Section 1.1*)

Company Information (see “*Exhibit No. 2*”)

Preliminary Site Layout (see “*Diagram No. 2*”)

7.5-minute series (Topographic) (see “*Diagram No. 1*”)

Threatened and Endangered Species letter (see “*Exhibit No. 6*”)

Phillips Technical Services Inc letter (see “*Exhibit No. 7*”)

c. Return Receipt (see “*Exhibit No. 1*”)

d. Comments and concerns

Finding of “No Historic Properties Affected” letter (see “*Exhibit No. 12*”)

6.0.3 U.S. ARMY CORPS OF ENGINEERS

a. Letter

Mr. David Crosby, Project Manager (see “*Exhibit No. 1*”)

b. Additional information enclosed

Introduction and Description (see *Section 1.0*)

General Area and Site Description (see *Section 1.1*)

Company Information (see “*Exhibit No. 2*”)

Preliminary Site Layout (see “*Diagram No. 2*”)

7.5-minute series Topographic (see “*Diagram No. 1*”)

Phillips Technical Services Inc letter (see “*Exhibit No. 7*”)

c. Return Receipt (see “*Exhibit No. 1*”)

d. Comments and concerns

No reply back

6.0.4 GA. NATURAL RESOURCES CONSERVATION SERVICE

- a. Letter
 - Mr. David Ferrell, Assistant State Conservationist (see “*Exhibit No. 1*”)
- b. Additional information enclosed
 - Introduction and Description (see *Section 1.0*)
 - General Area and Site Description (see *Section 1.1*)
 - Company Information (see “*Exhibit No. 2*”)
 - Preliminary Site Layout (see “*Diagram No. 2*”)
 - 7.5-minute series Topographic (see “*Diagram No. 1*”)
 - Franklin County Board of Commissioners, letter (see “*Exhibit No. 3*”)
 - Phillips Technical Services Inc letters (see “*Exhibit Nos. 4 & 7*”)
- c. Return Receipt (see “*Exhibit No. 1*”)
- d. Comments and concerns
 - No Reply

6.0.5 GA. MOUNTAINS REGIONAL DEVELOPMENT CENTER

- a. Letter
 - Mr. Larry Sparks, Planning Director (see “*Exhibit No. 1*”)
- b. Additional information enclosed
 - Introduction and Description (see *Section 1.0*)
 - General Area and Site Description (see *Section 1.1*)
 - Company Information (see “*Exhibit No. 2*”)
 - Preliminary Site Layout (see “*Diagram No. 2*”)
 - 7.5-minute series Topographic (see “*Diagram No. 1*”)
 - Earth Resources, Inc. letters (see “*Exhibit No. 8*”)
 - Phillips Technical Services Inc letters (see “*Exhibit Nos. 4 & 7*”)
 - Franklin County Board of Commissioners, letter (see “*Exhibit No. 3*”)
- c. Return Receipt (see “*Exhibit No. 1*”)
- d. Comments and concerns
 - No Reply

EXHIBITS



POWER DISTRIBUTION ENGINEERS, INC.

Mr. Ray Luce, Division Director
Historic Preservation Division
Department of Natural Resources
47 Trinity Avenue, Suite 414-H
Atlanta, Georgia 30334-9006

March 17, 2006

Reference: Franklin County, Georgia
Project "Plant Carl"

Earth Resources, Inc. (ERI) is in the process of preparing an environmental report for the Rural Utilities Service in order that it may assess the environmental impacts of Plant Carl located in Franklin County, Georgia. The project is being proposed to generate 20MW of Renewable and Green Power to be put back onto the system grid by using chicken litter and woody inert biomass to fuel a typical traditional boiler-turbine operation. Please find enclosed "Introduction and Description", General Area and Site Description", "Company Information", "Preliminary Site Layout", and 7.5 minute series (Topographic) of the affected area. Also enclosed are letters from the Franklin County Board of Commissioners, Phillips Technical Services Inc. and Franklin County Board of Tax Assessors.

Earth Resources, Inc. requests the assistance of your office in identifying historic properties that may be affected by the project. Please provide any recommendations you may have to mitigate or avoid these impacts.

We would appreciate a response within 30 days. If you need any further information or wish to discuss this project, please feel free to contact Mr. Tray McCarty at (770) 491-9164 or by email (traymccarty@bellsouth.net). If we have not heard from your office within thirty days, we will assume you or your staff have no serious objections to this proposed project.

Sincerely,

POWER DISTRIBUTION ENGINEERS, Inc.

P.K. Choksi, P.E.
Georgia Registered Engineer
No. 11679

/elm
Enclosures
7001 1940 0004 6285 7536



POWER DISTRIBUTION ENGINEERS, INC.

Ms. Sandra Tucker
Supervisor of Georgia Ecological Service
U.S. Fish and Wildlife Service
105 West Park Drive, STE.D
Athens, Georgia 30606

March 17,2006

Reference: Franklin County, Georgia
Project "Plant Carl"

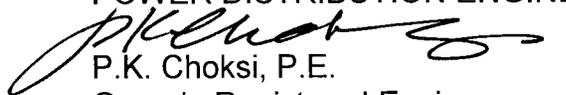
Earth Resources, Inc. (ERI) is in the process of preparing an environmental report for the Rural Utilities Service in order that it may assess the environmental impacts of Plant Carl located in Franklin County, Georgia. The project is being proposed to generate 20MW of Renewable and Green Power to be put back onto the system grid by using chicken litter and woody inert biomass to fuel a typical traditional boiler-turbine operation. Please find enclosed "Introduction and Description", General Area and Site Description", "Company Information", "Preliminary Site Layout", and 7.5 minute series (Topographic) of the affected area. Also enclosed is information on Threatened and Endangered Species and a letter from Phillips Technical Services Inc.

We request any additional information that you may have on threatened or endangered species and designated or proposed critical habitat that may be present in the proposed project area. In addition, please advise us of any present concerns you may have related to possible effects of the project listed above on such species or critical habitat, as well as any other wildlife concerns.

Earth Resources, Inc. also requests that you compare the proposed project location to your Wetland Inventory Maps in order to determine if wetlands will be impacted, and provide any recommendations you may have to minimize or avoid impacts to wetlands.

We would appreciate a response within 30 days. If you need any further information or wish to discuss this project, please feel free to contact Mr. Tray McCarty at (770) 491-9164 or by email (traymccarty@bellsouth.net). If we have not heard from your office within thirty days, we will assume you or your staff have no serious objections to this proposed project.

Sincerely,
POWER DISTRIBUTION ENGINEERS, Inc.


P.K. Choksi, P.E.
Georgia Registered Engineer
No. 11679

/elm
Enclosures
7001 1940 0004 6285 8724



POWER DISTRIBUTION ENGINEERS, INC.

Mr. David Crosby, Project Manager
U.S. Army Corps of Engineers, Savannah District
Regulatory Branch
Post Office Box 889
Savannah, Georgia 31402

March 17, 2006

Reference: Franklin County, Georgia
Project "Plant Carl"

Earth Resources, Inc. (ERI) is in the process of preparing an environmental report for the Rural Utilities Service in order that it may assess the environmental impacts of Plant Carl to be located in Franklin County, Georgia. The project is being proposed to generate 20MW of Renewable and Green Power to be put back onto the system grid by using chicken litter and woody inert biomass to fuel a typical traditional boiler-turbine operation. Please find enclosed "Introduction and Description", General Area and Site Description", "Company Information", "Preliminary Site Layout", and 7.5 minute series (Topographic) of the affected area. Also enclosed is a letter from Phillips Technical Services Inc.

Earth Resources, Inc. requests your office to review the proposed project for possible impacts to 100-year floodplains, wetlands and other important natural resources that occur in the project area. Please provide any recommendations you may have to mitigate or avoid these impacts.

We would appreciate a response within 30 days. If you need any further information or wish to discuss this project, please feel free to contact Mr. Tray McCarty at (770) 491-9164 or by email (traymccarty@bellsouth.net). If we have not heard from your office within thirty days, we will assume you or your staff have no serious objections to this proposed project.

Sincerely,

POWER DISTRIBUTION ENGINEERS, Inc.

A handwritten signature in black ink, appearing to read 'P.K. Choksi', with a stylized flourish at the end.

P.K. Choksi, P.E.
Georgia Registered Engineer
No. 11679

/elm
Enclosures
7001 1940 0004 6285 8731



POWER DISTRIBUTION ENGINEERS, INC.

Mr. David A. Ferrell, Assistant State Conservationist
GA Natural Resources Conservation Service
Area 4 Office, Room 214
601 Tebeau Street
Waycross, Georgia 31502

March 17, 2006

Reference: Franklin County, Georgia
Project "Plant Carl"

Earth Resources, Inc. (ERI) is in the process of preparing an environmental report for the Rural Utilities Service in order that it may assess the environmental impacts of Plant Carl to be located in Franklin County, Georgia. The project is being proposed to generate 20MW of Renewable and Green Power to be put back onto the system grid by using chicken litter and woody inert biomass to fuel a typical traditional boiler-turbine operation. Please find enclosed "Introduction and Description", General Area and Site Description", "Company Information", "Preliminary Site Layout", and 7.5 minute series (Topographic) of the affected area. Also enclosed are letters from Phillips Technical Services Inc. (2) and the Franklin County Board of Commissioners.

We are requesting information on the possible effects of the proposed project "Plant Carl" on hydric soils, important farmland, prime forestland, and prime rangeland and any recommendations you have to minimize or avoid adverse effects. If the project area has been mapped for important or prime farmland please inform us how a copy can be obtained. We also seek your assessment of the compatibility of the proposals with State and local government and private programs and policies to protect farmland.

We would appreciate a response within 30 days. If you need any further information or wish to discuss this project, please feel free to contact Mr. Tray McCarty at (770) 491-9164 or by email (traymccarty@bellsouth.net). If we have not heard from your office within thirty days, we will assume you or your staff have no serious objections to this proposed project.

Sincerely,
POWER DISTRIBUTION ENGINEERS, Inc.


P.K. Choksi, P.E.
Georgia Registered Engineer
No. 11679

/elm
Enclosures
7001 1940 0004 6285 8748



POWER DISTRIBUTION ENGINEERS, INC.

Mr. Larry Sparks, Planning Director
Georgia Mountains Regional Development Center
Post Office Box 1702
Gainesville, Georgia 30503

March 17, 2006

Reference: Franklin County, Georgia
Project "Plant Carl"

Earth Resources, Inc. (ERI) is in the process of preparing an environmental report for the Rural Utilities Service in order that it may assess the environmental impacts of Plant Carl located in Franklin County, Georgia. The project is being proposed to generate 20MW of Renewable and Green Power to be put back onto the system grid by using chicken litter and woody inert biomass to fuel a typical traditional boiler-turbine operation. Please find enclosed "Introduction and Description", General Area and Site Description", "Company Information", "Preliminary Site Layout", and 7.5 minute series (Topographic) of the affected area. Also enclosed are letters from Earth Resources, Inc. (2), Phillips Technical Services Inc, (2) and the Franklin County Board of Commissioners.

Earth Resources, Inc. requests the assistance of your office in identifying any potential problems or adverse affects that may result from the project. Please provide any recommendations you may have to mitigate or avoid these impacts. We would also appreciate receiving any information regarding additional review requirements that your agency may have.

We would appreciate a response within 30 days. If you need any further information or wish to discuss this project, please feel free to contact Mr. Tray McCarty at (770) 491-9164 or by email (traymccarty@bellsouth.net). If we have not heard from your office within thirty days, we will assume you or your staff have no serious objections to this proposed project.

Sincerely,

POWER DISTRIBUTION ENGINEERS, Inc.

A handwritten signature in black ink, appearing to read 'P.K. Choksi', with a flourish at the end.

P.K. Choksi, P.E.
Georgia Registered Engineer
No. 11679

/elm
Enclosures
7001 1940 0004 6285 8755

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Received by (Please Print Clearly)	B. Date of Delivery
	<p><i>N. Short</i> 3/22/06</p>	
1. Article Addressed to: <p style="text-align: center;">Mr. Ray Luce, Division Director Historic Preservation Division Department of Natural Resources 47 Trinity Avenue, Suite 414-H Atlanta, Georgia 30334-9006</p>	C. Signature	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee
	<p><i>N. Short</i></p>	
2. Article Number (Copy from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No	
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes		
7001 1940 0004 6285 7536		
PS Form 3811, July 1999 Domestic Return Receipt 102595-00-M-0952		

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Received by (Please Print Clearly)	B. Date of Delivery
	<p><i>U DeSurr</i> 3/20/06</p>	
1. Article Addressed to: <p style="text-align: center;">Ms. Sandra Tucker, Supervisor of Georgia Ecological Service U.S. Fish and Wildlife Service 105 West Park Dr. STE. D Athens, Georgia 30606</p>	C. Signature	<input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee
	<p><i>U DeSurr</i></p>	
2. Article Number (Copy from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No	
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes		
7001 1940 0004 6285 8724		
PS Form 3811, July 1999 Domestic Return Receipt 102595-00-M-0952		

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Received by (Please Print Clearly)	B. Date of Delivery
	<p><i>M Knowles</i> 3/21/06</p>	
1. Article Addressed to: <p style="text-align: center;">Mr. David Crosby, Project Manager U.S. Army Corps of Engineers Savannah District Regulatory Branch Post Office Box 889 Savannah, Georgia 31402</p>	C. Signature	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee
	<p><i>M Knowles</i></p>	
2. Article Number (Copy from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No	
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes		
7001 1940 0004 6285 8731		
PS Form 3811, July 1999 Domestic Return Receipt 102595-00-M-0952		

COMPANY INFORMATION

Earth Resources, Inc. (ERI) is a Georgia based company incorporated in 2001 for the purpose of recycling and disposing of waste in an environmentally friendly manner. In the past three years it has focused on waste to clean energy projects. ERI consists of a landfill construction and demolition division, an R&D operation, and the planning and development of future plants utilizing agricultural, forestry, and landfill wastes for energy. ERI has been exploring avenues of utilizing chicken litter in productive ways to provide an outlet for the disposal of it, thereby providing some relief for the looming regional disposal problem caused by shrinking land availability for land application. In this connection ERI has been made the administrating recipient of a \$1.13 million grant by the USDA and DOE to assess chicken litter as a feedstock from several standpoints. ERI has been acquiring equipment to process chicken litter into energy. From this same waste ERI is also planning to eventually be producing steam, power, productive inert ash, and possibly liquid or other types of fuel.

Charles C. Dinsmore started Dinsmore Grading in 1972 after selling his interest in Harmon Oil Company. On May 21, 1973 Dinsmore Grading was incorporated under the bi-laws of the State of Georgia.

Over the past thirty-three years, Dinsmore Grading, Inc. (DGI) has grown to over 100 pieces of equipment strong and has an established history of completing multi-million dollar projects. DGI is a comprehensive site development company dealing with clearing, grubbing, grading, storm water management, erosion control, sewer systems, and water lines. DGI has constructed a wide array of projects including shopping centers, airports, heavy highways, large dams, golf courses, landfills, and industrial sites.

Charles C. Dinsmore is well known and regarded by the Georgia Solid Waste Authority. Mr. Dinsmore developed, in a partnership, the Chadwick Road Landfill, a construction and demolition facility located off Hwy 140 in North Fulton County. Mr. Dinsmore personally managed this facility's daily operations as well as provided the construction means and methods for development. This landfill, in operation since 1988, serves North Fulton County and the northern sector of Fulton, Forsyth, Cherokee and Gwinnett counties. It is considered to be one of the best developments

of its kind in the state. Under Mr. Dinsmore's management, the Georgia EPD has never cited the site for any violations.

DGI has many satisfied clients including a 25-year working relationship with Georgia Power and Atlanta Gas Light, Georgia's two largest utility companies. Today with the Georgia Department of Transportation, DGI enjoys a bonding capacity that allows pursuance of multiple projects. Mr. Dinsmore still retains on staff a certified landfill operator as well as personnel experienced in construction and operation of a Construction Demolition Landfill.

Mr. Dinsmore prides himself on doing his best to create developments that are assets to the community and the state. He has worked closely with county governments and listened to their input and implemented their suggestions where possible. Mr. Dinsmore has donated land for a county park and provided grading for county ball fields.

Charles C. Dinsmore owns and operates both of these company's listed above.

**FRANKLIN COUNTY
BOARD OF COMMISSIONERS**

P.O. BOX 159
CARNESVILLE, GEORGIA 30521
Phone: 706-384-2483
Fax: 706-384-7089

Samuel D. Elrod
Commission Chairman

Frank Ginn
County Manager

Laverne Hilley
County Clerk

Runyan & Green, LLC
County Attorneys



Robert L. Franklin
District 1 Commissioner

Eddie W. Grizzle
District 2 Commissioner

Jeff S. Jacques
District 3 Commissioner

Levy E. Moore
District 4 Commissioner

March 6, 2006

Billy Jones
Earth Resources
774 Highway 320
Carnesville, Georgia 30521

Dear Billy:

This is in response to your February 27, 2005 letter requesting a zoning description of the property which will be used for the plant to convert chicken litter to electric power.

The property located at 3465 Highway 198 is zoned CI – Commercial Industrial according to the Zoning Regulations of Franklin County and the accompanying land use map adopted on April 4, 2005.

The proposed operation complies with that classification.

If you have questions regarding this matter please contact me at (706) 384 – 3028.

Sincerely,

A handwritten signature in black ink that reads "Harold C. Gillespie". The signature is written in a cursive style with a long horizontal stroke at the end.

Harold C. Gillespie
Planning Director

HCG\Earth Resources.ltr



Phillips Technical Services, Inc.
292 Cromers Bridge Lane
Royston, Georgia 30662

Office 706 245-8602
Mobile 706 498-0955
Fax 706 245-6681

March 2, 2006

Mr. Billy Jones
Earth Resources, Inc.
774 Highway 320
Carnesville, GA 30521

RE: Earth Resources Project – State Route 198
Franklin County, Georgia

Dear Mr. Jones:

Please be advised that Franklin County is not currently a participant in the FEMA Floodplain Management Program. Therefore, no Flood Insurance Rate Map (FIRM) has been developed for the project area. However, please note that the proposed project is located at an elevation approximately 30 feet higher than the elevation of the nearest branch and therefore is not located within a flood-prone area.

If you have any questions or need more information, please let me know.

Sincerely,

A handwritten signature in blue ink, appearing to read "J. M. Phillips".

John M. Phillips, P.E.

Bob Boswell,
Chairman
Gary Farmer
Blanche Crump

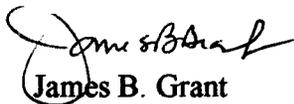
Franklin County
Board of Tax Assessors
PO Box 10
Carnesville, Georgia 30521

Phone 706-384-4896
Fax 706-384-4333

3 March 2006

From: Bruce Grant
Chief Appraiser
Franklin County

An inspection of the construction site located on Map 011 Parcel 050A owned by Earth Resources, Inc. did not reveal any indication of structures of any type in this area. There is no evidence to suggest that there have been structures here in the past. The available tax records for the last fifteen years in the Franklin County Tax Commissioners Office do not reveal any structures of any type on this property



James B. Grant
Chief Appraiser
Franklin County

**Listed Species in Franklin County
(updated May 2004)**

Species	Federal Status	State Status	Habitat	Threats
Bird				
Bald eagle <i>Haliaeetus leucocephalus</i>	T	E	Inland waterways and estuarine areas in Georgia.	Major factor in initial decline was lowered reproductive success following use of DDT. Current threats include habitat destruction, disturbance at the nest, illegal shooting, electrocution, impact injuries, and lead poisoning.
Fish				
Robust redhorse <i>Moxostoma robustum</i>	No Federal Status	E	Medium to large rivers with shallow to deep flowing moderately swift water.	

THREATENED AND ENDANGERED SPECIES

The area of the site that is disturbed has already been cleared of trees as mentioned in the "GENERAL AREA AND SITE DESCRIPTION". As a result of this, there is no natural habitat for the Bald Eagle. Also, there is no suitable habitat for the Robust redhorse located in the disturbed area or nearby.



Phillips Technical Services, Inc.
292 Cromers Bridge Lane
Royston, Georgia 30662

Office 706.245.8602
Mobile 706.498.0955
Fax 706.245.6681

March 16, 2006

To Whom It May Concern

Subject: Erosion and Sedimentation Control Plan
Carnesville, Franklin County, Georgia

Earth Resources, Inc. prior to commencing construction activity and in compliance with applicable Georgia EPD regulations, will obtain the "General Permit to Discharge Storm Water Associated with Construction Activity" for the proposed project, to be located in Franklin County, Georgia. In preparing this permit application, Earth Resources, Inc. will undertake the following tasks:

**Preparation of Site Grading and Drainage Drawings;
Preparation of Erosion, Sedimentation, and Pollution Control Plan**

- Certification by the design professional preparing the Plan;
- Best Management Practices to prevent and minimize erosion and resultant sedimentation (Controls);
- Site description;
- Inspection procedures;
- Maintenance procedures;
- Sampling requirements; and
- Reporting requirements.

Preparation/Submittal of Notice of Intent (NOI);

The NOI will be submitted at least 14 days prior to start of construction. At about the same time the NOI is being submitted to the appropriate EPD District Office (Northeast District Office, Athens, GA), a single copy of the Erosion, Sedimentation, and Pollution Control Plan will also be submitted to the EPD Water Protection Branch.

**Installation and Maintenance of Erosion, Sedimentation, and Pollution Control Plan;
Preparation/Submittal of Notice of Termination.**

Upon completion of construction and the associated discharges of storm water, will prepare a Notice of Termination (NOT) and submit to the regulatory authority.

Further, Earth Resources, Inc. will operate under a NPDES permit for point source discharges and NPDES permit for non-point sources discharges (such as storm water, etc.), both to be issued by the Georgia EPD.

Sincerely,



John M. Phillips, P.E.



EARTH RESOURCES, INC.

February 15, 2006

Georgia Department of Community Affairs
60 Executive Park South, NE
Atlanta, GA 30329

Attention, cc: Heather Feldman
Georgia Mountains Regional Development Center

Subject: Intention to Create Jobs, Power Plant

Sirs:

Earth Resources, Inc. (ERI) of Carnesville has been investigating a number of possible commercial plant operations making use of bio-mass energy in the past three years. It is now our intent to construct and operate a power plant in Franklin County off State route 198. The construction is being planned to take place during 2006 and possibly into first part of 2007.

The operation will employ approximately twenty-one full time employees, 51% or better of which would be made available to low to moderate income individuals. We estimate a capital investment of approximately 20 million dollars for buildings, equipment and support infrastructure. ERI has to date put out \$300,000 into initial equity for various equipment, site plans, tests, etc. In addition to the twenty full time employees we estimate the equivalent of approximately ten new indirect jobs in supporting the service and maintenance requirements to the plants, controls and equipment.

Steam and Control Systems, Inc. of Chattanooga, TN will be the principle engineering and construction contractor of the power plant. Dinsmore Grading Inc. will also be providing the initial equity with permanent financing to be arranged through ERI prior to commencement of construction. Recycle Green Energy, LLC will have an operating/lease agreement with ERI to the plant.

If you have any questions, please contact me.

Sincerely,

Charles C. Dinsmore
President



EARTH RESOURCES, INC.

Georgia Mountains Regional Development Center

February 16, 2006

PO Box 1720
Gainesville, GA 30503

Attention: Heather Feldman

Subject: Further Explanation to Letter of Commitment, Power Plant

Heather,

Dinsmore Grading, Inc.

A Georgia based corporation that has been extensively involved in the grading, development, and landfill business in northern Georgia for 30+ years. For the last six years its' office and operations have been located in Carnesville, Georgia.

Earth Resources, Inc. (ERI)

A Georgia based company incorporated in 2001 for the purpose of recycling and disposing of waste in an environmentally friendly manner. In the past three years it has focused on waste to clean energy projects. ERI consists of a construction and demolition landfill, an R&D operation, and the planning and development of future plants utilizing agricultural, forestry, and landfill wastes for energy. ERI has been exploring avenues of utilizing chicken litter in productive ways to provide an outlet for the disposal of it, thereby providing some relief for the looming regional disposal problem caused by shrinking land availability for land application. In this connection ERI has been made the administrating recipient of a \$1.13 million grant by the USDA and DOE to assess chicken litter as a feedstock from several standpoints. ERI has been acquiring equipment to process chicken litter into energy. From this same waste we are also planning to eventually be producing steam, power, productive inert ash, and possibly liquid or other types of fuel.

Recycle Green Energy, Inc.

A Georgia based company formed last year to be the lessor/operator of ERI developed plants. Recycle Green Energy will be the operator of the power plant on an area of about seven acres. There will be an investment of around twenty million dollars.

Plant location

State route 198 in Franklin County (3465 SR 198), south side. This area includes a total of about 139 acres dedicated to this and future potential plant operating locations. The total area utilized for the power plant with detention ponds, buffers, parking, and roads will be about 20 acres.

Water requirement

Electrical production will drive the lion's share of our water requirement, of about 400,000 gallons per day. The vast majority of the electrical power production will go onto the nation's grid to provide 'green energy'.

We feel we have a win-win situation providing steady long term local employment and solutions for local environmental issues at the same time. If you have any questions, please contact me or Billy Jones, or Gordon Blyseth

Sincerely

Charles C. Dinsmore
President

Georgia Department of Natural Resources

Historic Preservation Division

Noel Holcomb, Commissioner

W. Ray Luce, Division Director and Deputy State Historic Preservation Officer
34 Peachtree Street NW, Suite 1600, Atlanta, Georgia 30303-2316
Telephone (404) 656-2840 Fax (404) 657-1040 <http://www.gashpo.org>

April 21, 2006

Power Distribution Engineers, Inc.
Attn: P.K. Choksi, P. E.
2300 Henderson Mill Road, Suite 403
Atlanta, Georgia 30345

RE: Construct Plant Carl, SR 198
Franklin County, Georgia
Federal Agency: RUS
HP-060322-001

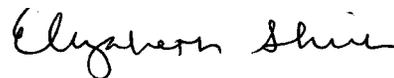
Dear Mr. Choksi:

The Historic Preservation Division (HPD) has received the information submitted regarding the above referenced project. Our comments are offered to assist federal agencies and their applicants in complying with the provisions of Section 106 of the National Historic Preservation Act.

Based on the information provided, HPD believes that the proposed undertaking will have no effect on archaeological resources eligible for inclusion in the National Register of Historic Places (NRHP), due to previous disturbance. However, we will need additional information to complete our review for buildings and structures. According to your "Preliminary Site Layout" and the USGS topographic map, there is an existing house along SR 198 on the path of the entry drive to the project area. We request that you send clear color photographs of the house, any outbuildings, and the surrounding setting. Please also provide information as to how the project will affect this property. Please note that no demolition should occur until after Section 106 review has been completed.

Once we have the additional information, we will be glad to expedite our review. **Please note our new address** and refer to the project number referenced above in any future correspondence regarding this matter. If we may be of further assistance, please contact me at (404) 651-6624, or Denise Messick, Environmental Review Historian at (404) 651-6777.

Sincerely,



Elizabeth Shirk
Environmental Review Coordinator

ES:dpm

cc: Bryan Flower, Georgia Mountains RDC



POWER DISTRIBUTION ENGINEERS, INC.

Ms. Elizabeth Shirk, Environmental Review Coordinator
Historic Preservation Division
Department of Natural Resources
34 Peachtree Street NW, Suite 1600
Atlanta, Georgia 30303-2316

April 26, 2006

Reference: HP-060322-001
Project "Plant Carl"

Dear Ms. Shirk,

Here are some pictures of the structure that is identified on the USGS topographic map.

This structure is a doublewide trailer that was put on top of an existing foundation.

This trailer currently rests on what once was the foundation of a house that no longer exists. Earth Resources has no intention of keeping the doublewide in place due to the development of the entrance of the site. The foundation and the trailer will be removed to accommodate the widening of the power plant entrance for support purposes and traffic flow.

If you have any questions or need further assistance, please feel free to give me call or an email at (770) 491-9164 / traymccarty@bellsouth.net .

Sincerely,

Tray McCarty
POWER DISTRIBUTION ENGINEERS, Inc.

/elm











Georgia Department of Natural Resources

Noel Holcomb, Commissioner

Historic Preservation Division

W. Ray Luce, Division Director and Deputy State Historic Preservation Officer
34 Peachtree Street, Suite 1600, Atlanta, Georgia, 30303
Telephone (404) 656-2840 Fax (404) 657-1040 <http://www.gashpo.org>

MEMORANDUM

Tray McCarty
Power Distribution Engineers, Inc.
2300 Henderson Mill Road, Suite 403
Atlanta, Georgia 30345

FROM: Elizabeth Shirk 
Environmental Review Coordinator
Historic Preservation Division

Finding of "No Historic Properties Affected"

PROJECT: **Construct Plant Carl, on SR 198, Franklin County**
Federal Agency: RUS
HP 060322-001

COUNTY: **Franklin County, Georgia**

DATE: **May 4, 2006**

The Historic Preservation Division has reviewed the information received concerning the above-mentioned project. Our comments are offered to assist federal agencies and project applicants in complying with the provisions of Section 106 of the National Historic Preservation Act.

Based on the information submitted, HPD believes that no historic properties or archaeological resources that are listed in or eligible for listing in the National Register of Historic Places will be affected by this undertaking. Please note that historic and/or archaeological resources may be located within the project's area of potential effect (APE), however, at this time it has been determined that they will not be impacted by the above-referenced project. Furthermore, any changes to this project as proposed will require further review by our office for compliance the Section 106 process.

If we may be of further assistance contact Michelle Volkema, Environmental Review Specialist at (404) 651-6546 or Denise Messick, Environmental Review Historian at (404) 651-6777. Please refer to the project number assigned above in any future correspondence regarding this project.

ES:mcv

cc: Bryan Flower, Georgia Mountains RDC



U. S. Fish and Wildlife Service
 105 WestPark Drive, Suite D
 Athens, GA 30606
 Phone: 706-813-9493 Fax 706-813-6059

FWS Log No. NG-06-437-Fran

RECEIVED

MAR 20 2006
 March 17, 2006
 ATHENS, GA
 USFWS

Based upon available information, federally listed species are not likely to occur on the project site.

Sandra S. Tucker *Harris* *4/18/06*
 Sandra S. Tucker, Field Supervisor Date

Reference: Franklin County, Georgia
 Project "Plant Carl"

Earth Resources, Inc. (ERI) is in the process of preparing an environmental report for the Rural Utilities Service in order that it may assess the environmental impacts of Plant Carl located in Franklin County, Georgia. The project is being proposed to generate 20MW of Renewable and Green Power to be put back onto the system grid by using chicken litter and woody inert biomass to fuel a typical traditional boiler-turbine operation. Please find enclosed "Introduction and Description", "General Area and Site Description", "Company Information", "Preliminary Site Layout", and 7.5 minute series (Topographic) of the affected area. Also enclosed is information on Threatened and Endangered Species and a letter from Phillips Technical Services Inc.

We request any additional information that you may have on threatened or endangered species and designated or proposed critical habitat that may be present in the proposed project area. In addition, please advise us of any present concerns you may have related to possible effects of the project listed above on such species or critical habitat, as well as any other wildlife concerns.

Earth Resources, Inc. also requests that you compare the proposed project location to your Wetland Inventory Maps in order to determine if wetlands will be impacted, and provide any recommendations you may have to minimize or avoid impacts to wetlands.

We would appreciate a response within 30 days. If you need any further information or wish to discuss this project, please feel free to contact Mr. Tray McCarty at (770) 491-9164 or by email (traymccarty@bellsouth.net). If we have not heard from your office within thirty days, we will assume you or your staff have no serious objections to this proposed project.

Sincerely,
 POWER DISTRIBUTION ENGINEERS, Inc.

P.K. Choksi
 P.K. Choksi, P.E.
 Georgia Registered Engineer
 No. 11679

/elm
 Enclosures
 7001 1940 0004 6285 8724

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