Index of Files on CD-ROM
Yellow Pine Energy, LLC
Clay County, Georgia

The CD-ROM included with this application contains all of the input and output files used or generated in the analysis described herein. The files are organized in the following Directories.

Yellow Pine Energy Modeling 10/2007

> **SIA**
> > **Load** (100%, 80%)
> > **Pollutants** (CO, NO_X, PM-10, SO_2)
> > > **Hotspots**
>
> **PSD**
> > **Pollutants** (SO_2)
>
> **NAAQS**
> > **Pollutants** (SO_2)
> > > **Hotspots**
>
> **Visibility Analysis**
>
> **Terrain Data**
>
> **Meteorological Data**
>
> **Air Toxics**

A description of the files contained in the above Subdirectories is provided below:

SIA

Analysis of maximum impact and Radius of Impact (ROI) for the proposed Yellow Pine Energy Facility. Maximum expected hourly emissions that will occur during plant operation at maximum proposed load were modeled.

YPE ROI_yy_pp.DTA Input Data File
YPE ROI _yy_pp.LST Output Data File
YPE ROI _yy_pp.GRF Plot File
YPE.PRW, YPE.PIP, YPE.SO, YPE.SUM, YPE.TAB BPIP-Prime processing files and results
YPE.rcf, YPE.map, YPE.Mot AERMAP processing files

Partial Load (80%)
YPE ROI85_yy_pp.DTA Input Data File
YPE ROI85 _yy_pp.LST Output Data File
YPE ROI85_yy_pp.GRF Plot File
ROI85.PRW, ROI85.PIP, ROI85.SO, ROI85.SUM, ROI85.TAB BPIP-Prime processing files
and results
YPE85.rcf, YPE85.map, YPE85.Mot AERMAP processing files

PSD

Maximum emissions from proposed Yellow Pine Energy Facility were modeled as well as
all increment consuming sources identified by Georgia EPD.

YPE PSD_yy_pp.DTA Input Data File
YPE PSD_yy_pp.LST Output Data File
YPE PSD_yy_pp.GRF Plot File
YPE PSD.PRW, YPE PSD.PIP, YPE PSD.SO, YPE PSD.SUM, YPE PSD.TAB BPIP-Prime
processing files and results
YPE PSD.rcf, YPE PSD.map, YPE PSD.Mot AERMAP processing files

NAAQS

Maximum emissions from proposed Yellow Pine Energy Facility were modeled as well as
all NAAQS sources identified by Georgia EPD.

YPE NAAQS_yy_pp.DTA Input Data File
YPE NAAQS_yy_pp.LST Output Data File
YPE NAAQS_yy_pp.GRF Plot File
NAAQS.PRW, NAAQS.PIP, NAAQS.SO, NAAQS.SUM, NAAQS.TAB BPIP-Prime
processing files and results
YPE.rcf, YPE.map, YPE.Mot AERMAP processing files

Visibility Analysis
Following EPD's draft guidance for Class II Area visible plume, a visibility analysis was
conducted using VISCREEN.

Level I Modeling
Head.TST, Head.SUM Results and Summary Files for Headland Municipal Airport

Level II Modeling
Early.TST, Early.SUM Results and Summary Files for Early County Airport
Kolo.TST, Kolo.SUM Results and Summary Files for Kolomoki Mounds Historic Park
George.TST, George.SUM Results and Summary Files for George T. Bagby State Park

Air Toxics
Following EPD's guidance for assessing the ambient air quality impacts of air toxic
emissions, an air quality impact analysis was conducted. The maximum air toxics impact
was determined by modeling a unitary emission rate for the FB boiler and the auxiliary

boiler using SCREEN3. Maximum offsite concentrations of arsenic were determined using ISCST3.

Air Toxics2 Folder
FB Boiler.Dat Input Data File
FB Boiler.Out Output Data File
Aux Boiler.Dat Input Data File
Aux Boiler.Out Output Data File

YPE Air Toxic_yy_pp.DTA Input Data File
YPE Air Toxic _yy_pp.LST Output Data File
YPE Air Toxic _yy_pp.GRF Plot File

Air toxics emissions were also modeled to verify that the de minimis thresholds in 40 CFR Part 52 will not be exceeded.

Air Toxics Folder
YPE Air Toxic _yy_pp.DTA Input Data File
YPE Air Toxic _yy_pp.LST Output Data File
YPE Air Toxic _yy_pp.GRF Plot File
YPE Air Toxic.PRW, YPE Air Toxic.PIP, YPE Air Toxic.SO, YPE Air Toxic.SUM, YPE Air Toxic.TAB BPIP-Prime processing files and results
YPE Air Toxic.rcf, YPE Air Toxic.map, YPE Air Toxic.Mot AERMAP processing file

Where:
"*pp*" is the pollutant modeled (PM-10, NO_X).
"*yy*" is the year of the met data