

**From:** [Silva, Sandra](#)  
**To:** [John Shrock](#)  
**Cc:** [Jackie.Padgett@carmeusena.com](#); [Wharrisco@aol.com](#); Tom Davis; Jenna L. Parker; Pell, Leigh; Meredith Bond; Catherine Collins; Jill Webster  
**Subject:** Re: Jacksonville Lime  
**Date:** Friday, October 25, 2013 2:58:16 PM

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I've forwarded your message to Meredith Bond our permit coordinator for FWS. She'll get back to you.

Thank you for the updated information regarding your project.

Sandra Silva

On Fri, Oct 25, 2013 at 12:16 PM, John Shrock <[jshrock@ectinc.com](mailto:jshrock@ectinc.com)> wrote:

Ms Silva:

Daniel Hlaing of Environmental Consulting & Engineering, Inc. (ECT) contacted you in August of 1012 concerning the proposed Jacksonville Lime facility to be located in Jacksonville, Florida. Since that time the design has changed resulting in an increase in daily lime production to a nominal 660 tons of lime per day. The lime will be produced in two state-of-the-art vertical parallel flow regenerative kilns. The facility will be within 300 kilometers of four national wildlife refuges (NWRs) managed by your agency. The facility's annual emissions based on maximum hourly emission rates is 564.6 tons per year (see Table 10-1 in the attached report containing the air quality analyses). The screening ratios based on the emissions divided by the nearest distance to the NWRs are shown below:

	Okefenokee NWR	St. Marks NWR	Chassahowitzka NWR	Wolf Island NWR
Distance from Jacksonville Lime (D)	55 km	254 km	215 km	112 km
FLAG Screening Ratio (Q/D)	10	2	3	5

The ratios have been rounded to the nearest integer. Since all ratios are 10 or less, air quality related values (AQRVs) were not assessed based on the 2010 recommendations of the Federal Land Manager's AQRV Workgroup. The details of the Class I area analyses are documented in Section 10 of the attached report. The air quality impacts for the Okefenokee and Wolf Island NWRs are summarized in Tables 10- 2 through 10-5 of the report. They show the impacts to be well below the Class I Prevention of Significant Deterioration significant impact levels.

If you have any questions or require further information, please feel free to contact me.

**John Shrock**

Environmental Consulting & Technology, Inc.

3701 NW 98th Street

Gainesville, FL 32606

phone: 352-248-3346

email: [jshrock@ectinc.com](mailto:jshrock@ectinc.com)

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*Sandra V. Silva, Chief  
FWS Branch of Air Quality  
303-914-3801  
[sandra\\_v\\_silva@fws.gov](mailto:sandra_v_silva@fws.gov)*