

BEFORE THE ENVIRONMENTAL APPEALS BOARD  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C.

\_\_\_\_\_ )  
In re: )  
 )  
La Paloma Energy Center ) Appeal No. PSD 13-10  
 )  
PSD Permit No. PSD-TX-1288-GHG )  
\_\_\_\_\_ )

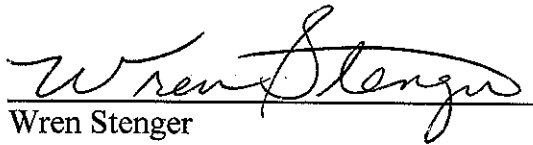
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CERTIFIED INDEX TO THE ADMINISTRATIVE RECORD

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I, Wren Stenger, am the Director of the Multimedia Planning and Permitting Division for U.S. EPA Region 6 ("Region 6"). I hereby certify to the best of my knowledge that the attached index lists the documents that constitute the administrative record required by 40 CFR § 124.18 for the final Greenhouse Gas Prevention of Significant Deterioration permit issued by Region 6 to La Paloma Energy Center, LLC, which is the subject of the above-captioned petition for review.

In witness whereof, I have signed my name this 19th day of December, 2013 at  
Dallas, Texas.



Wren Stenger  
Director  
Multimedia Planning and Permitting Division  
EPA Region 6, Dallas, Texas

**United States Environmental Protection Agency**

Administrative Record Index – December 2013

La Paloma Energy Center

PSD Permit (PSD-TX-748-GHG)

Index #	Record Section or Item	Date of Item
I.	PSD Permit Application and Related Documents	
I.01	Letter from Coronado Ventures/La Paloma Energy Center (LPEC) (Kathleen Smith) to EPA (Jeff Robinson) initially submitting GHG PSD Application	04/26/2012
I.02	Letter from EPA (Carl Edlund) to LPEC (Kathleen Smith) with determination of application incompleteness	05/29/2012
I.03	Letter from Zephyr (Larry Moon) to EPA (Aimee Wilson) responding to determination of application incompleteness and providing a newly revised application	08/06/2012
I.04	Letter from EPA (Carl Edlund) to LPEC (Kathleen Smith) determining the application was complete	08/22/2012
I.05	Email from EPA (Aimee Wilson) to Zephyr (Larry Moon) requesting additional information	10/16/2012
I.06	Email from Zephyr (Larry Moon) to EPA (Aimee Wilson) providing additional information by an email attachment	11/01/2012
I.07	Email from EPA (Aimee Wilson) to Zephyr (Larry Moon) requesting additional information on the MW output	11/15/2012
I.08	Email from Zephyr (Larry Moon) to EPA (Aimee Wilson) providing the basis for the calculation of MW output	11/19/2012
I.09	Email from EPA (Aimee Wilson) to LPEC (Kathleen Smith) requesting information on the BACT limit on the turbines and the boiler	12/18/2012
I.10	Email from Zephyr (Larry Moon) to EPA (Aimee Wilson) providing additional information on the BACT limits for the turbines including revised tables 5-1, 5-2, and 5-3, and information on BACT for the boiler	01/08/2013
I.11	Email from Zephyr (Larry Moon) to EPA (Aimee Wilson) providing a corrected table 5-3 and information on water usage associated with carbon capture and sequestration (CCS)	01/09/2013
I.12	Email from Zephyr (Larry Moon) to EPA (Aimee Wilson) providing a revised Section 5.1.5 of the application (Step 5 of the BACT analysis for the combustion turbines)	01/30/2013
I.13	Email from EPA (Aimee Wilson) to LPEC (Kathleen Smith) requesting clarification on LPEC's identification as a base load or load following facility	02/07/2013
I.14	Email from LPEC (Scott Stringfellow) to EPA (Aimee Wilson) providing information on MSS BACT and base load operations	02/08/2013
I.15	Email from LPEC (Kathleen Smith) to EPA (Aimee Wilson) on operation of LPEC as a base load facility	02/08/2013
I.16	Email from Zephyr (Larry Moon) to EPA (Aimee Wilson) providing revised Tables 3-2, 3-4, and 3-6 of the application	03/04/2013
I.17	Email from Zephyr (Larry Moon) to EPA (Aimee Wilson) providing a newly revised application	03/12/2013
I.18	Email from Zephyr (Larry Moon) to EPA (Aimee Wilson) providing clarification and supplemental information for comment response development	08/08/2013
I.19	Email from EPA (Aimee Wilson) to LPEC (Kathleen Smith) requesting additional information on turbine selection, BACT, and compliance margins	08/15/2013
I.20	Email from Zephyr (Larry Moon) to EPA (Aimee Wilson) providing additional information on turbine selection, BACT, and compliance margins	08/19/2013
I.21	Email from EPA (Aimee Wilson) to Zephyr (Larry Moon) requesting verification of LPEC BACT limit converted to tons CO <sub>2</sub> /MWh(net)	10/22/2013

**United States Environmental Protection Agency**

Administrative Record Index – December 2013

La Paloma Energy Center

PSD Permit (PSD-TX-748-GHG)

Index #	Record Section or Item	Date of Item
I.22	Email from Zephyr (Larry Moon) to EPA (Aimee Wilson) providing LPEC BACT limits expressed, by conversion, as tons CO <sub>2</sub> /MWh(net)	10/22/2013
I.23	Email from Zephyr (Larry Moon) to EPA (Aimee Wilson) providing the tons CO <sub>2</sub> /MWh(gross)	10/22/2013
<b>II. Biological Assessment and Cultural Report and Related Documents</b>		
II.01	Email from Zephyr (Steve McVey) to EPA (Alfred Dumauual) initially submitting a draft Biological Assessment	09/24/2012
II.02	Email from Zephyr (Steve McVey) to EPA (Alfred Dumauual) initially submitting a draft Cultural Resources Report	09/25/2012
II.03	Final Cultural Resources Survey	December 2012
II.04	Letter from EPA (Jeff Robinson) to 28 Tribes with historical interests in Texas providing National Historic Preservation Act Section 106 consultation opportunity	01/10/2013
II.05	Letter from Ysleta del Sur Pueblo (Javier Loera) to EPA (Jeff Robinson) indicating the tribe does not have any comments nor do they request consultation	01/16/2013
II.06	Email from LPEC (Kathleen Smith) to EPA (Alfred Dumauual and Aimee Wilson) providing a list of contacts for Non-Federal Representative Letters	01/29/2013
II.07	Email from EPA (Alfred Dumauual) to LPEC (Kathleen Smith) requesting the office address and email for each person needing a Non-Federal Representative letter	01/30/2013
II.08	Email from LPEC (John Upchurch) to EPA (Alfred Dumauual) providing address and email for persons needing a Non-Federal Representative Letter	01/30/2013
II.09	Email from LPEC (Kathleen Smith) to EPA (Alfred Dumauual) providing information on transmissions lines	01/30/2013
II.10	Email from EPA (Aimee Wilson) to LPEC (Kathleen Smith) requesting the relationship between Coronado Ventures and LPEC for purposes of preparing the Non-Federal Representative Letters	01/31/2013
II.11	Email from LPEC (Kathleen Smith) to EPA (Aimee Wilson) providing map and relationship between Coronado Ventures and LPEC	01/31/2013
II.12	Email from EPA (Alfred Dumauual) to LPEC (Kathleen Smith) requesting a conference call to discuss the draft Biological Assessment	01/31/2013
II.13	Email from Zephyr (Steve McVey) to EPA (Alfred Dumauual) submitting a revised Biological Assessment	02/06/2013
II.14	Email from EPA (Alfred Dumauual) to LPEC (Kathleen Smith) providing comments on the revised Biological Assessment	02/12/2013
II.15	Email from EPA (Alfred Dumauual) to LPEC (Kathleen Smith and Steve McVey) providing follow-up comments on the revised Biological Assessment	02/25/2013
II.16	Final Biological Assessment	03/14/2013
II.17	Letter from LPEC (Kathleen Smith) to EPA (Carl Edlund) and USFWS (Allan Strand) letter of commitment to protective measures indicated by the biological assessment	03/20/2013
II.18	Letter from EPA (Jeff Robinson) to Texas Historical Commission (Mark Wolfe) requesting concurrence on affect determination under the National Historic Preservation Act (NHPA)	03/25/2013
II.19	Response from Texas Historical Commission (William Martin) to EPA (Jeff	04/01/2013

**United States Environmental Protection Agency**

Administrative Record Index – December 2013

La Paloma Energy Center

PSD Permit (PSD-TX-748-GHG)

Index #	Record Section or Item	Date of Item
	Robinson) concurring on the no affect determination	
II.20	Letter from U.S. Fish and Wildlife Service (FWS) (Edith Erfling) to EPA (Carl Edlund) concurring on the Agency’s determination of may affect, but not likely to adversely affect	10/24/2013
<b>III. GHG PSD Proposed Permit and Related Documents</b>		
III.01	Copy of notice from Valley Morning Star newspaper – Publication of Public Notice	03/20/2013
III.02	Proposed Permit	03/20/2013
III.03	Statement of Basis	03/20/2013
III.04	Public Notice	03/20/2013
III.05	Notice of hearing cancelation posted at <a href="http://yosemite.epa.gov/r6/Apermit.nsf/AirP">http://yosemite.epa.gov/r6/Apermit.nsf/AirP</a> (last accessed on 12/16/2013)	04/17/2013
III.06	Email from Zephyr (Larry Moon) to EPA (Aimee Wilson) correcting and clarifying the annual startup emissions for the GE7FA turbine	10/29/2013
<b>IV. Public Comments and Related Documents</b>		
IV.01	Email from Sierra Club (Travis Ritchie) to EPA (Aimee Wilson) requesting a 1-week extension to file public comments	04/16/2013
IV.02	Email from EPA (Aimee Wilson) to Sierra Club (Travis Ritchie) denying extension request	04/17/2013
IV.03	Email from Sierra Club (Travis Ritchie) to EPA (Aimee Wilson) requesting extension to file public comments to Monday, April 29	04/19/2013
IV.04	Email from Sierra Club (Travis Ritchie) to EPA (Aimee Wilson) submitting comments on the draft permit for LPEC	04/19/2013
IV.05	Email from EPA (Aimee Wilson) to LPEC (Kathleen Smith) informing them that comments were received during the comment period	04/22/2013
IV.06	Email from LPEC (Kathleen Smith) to EPA (Aimee Wilson) requesting a conference call for EPA to discuss its process and plans for responding to comments	04/25/2013
IV.07	Email from Sierra Club (Travis Ritchie) to EPA (Aimee Wilson) providing corrected comments	04/30/2013
<b>V. Final PSD Permit and Related Documents</b>		
V.01	Final GHG PSD Permit	11/06/2013
V.02	Response to Public Comments	11/06/2013
V.03	Transmittal Letter	11/06/2013
V.04	Final PSD Permit Notice	11/06/2013
V.05	Email to Sierra Club announcing permit decision	11/06/2013
<b>VI. Other Correspondence and Miscellaneous Documents</b>		
VI.01	“PSD and Title V Permitting Guidance for Greenhouse Gases”, EPA-457/B-11-001, March 2011. <a href="http://www.epa.gov/nsr/ghgdocs/ghgpermittingguidance.pdf">http://www.epa.gov/nsr/ghgdocs/ghgpermittingguidance.pdf</a>	
VI.02	Email from Fluor (John Gilmartin) to EPA (Aimee Wilson) providing information on the use of Econamine FG	08/05/2013
VI.03	Siemens Gas Turbine SGT6-5000F Application Overview. <a href="http://www.energy.siemens.com/hq/pool/hq/power-generation/gas-turbines/downloads/SGT6-5000F_ApplicationOverview.pdf">http://www.energy.siemens.com/hq/pool/hq/power-generation/gas-turbines/downloads/SGT6-5000F_ApplicationOverview.pdf</a>	

**United States Environmental Protection Agency**

Administrative Record Index – December 2013

La Paloma Energy Center

PSD Permit (PSD-TX-748-GHG)

Index #	Record Section or Item	Date of Item
VI.04	Alstom Technical Performance Gas Power Plants <a href="http://www.alstom.com/Global/Power/Resources/Documents/Brochures/gas-power-plants-technical-performance.pdf">http://www.alstom.com/Global/Power/Resources/Documents/Brochures/gas-power-plants-technical-performance.pdf</a>	
VI.05	Alstom Gas Product Solutions Technical Performance Gas Power Plants	
VI.06	EPA Region 1 Fact Sheet for Pioneer Valley Energy Center (PVEC) <a href="http://www.epa.gov/region1/communities/pdf/PioneerValley/FactSheet.pdf">http://www.epa.gov/region1/communities/pdf/PioneerValley/FactSheet.pdf</a>	
VI.07	“Thermodynamic performance analysis of gas-turbine power-plant” by M.M. Rahman. <a href="http://www.academicjournals.org/article/article1380722812_Rahman%20et%20al.pdf">http://www.academicjournals.org/article/article1380722812_Rahman%20et%20al.pdf</a>	
VI.08	“Report to the 83 <sup>rd</sup> Texas Legislature: Scope of Competition in Electric Markets in Texas”, Public Utility Commission of Texas. <a href="http://www.puc.texas.gov/industry/electric/reports/scope/2013/2013scope_elec.pdf">http://www.puc.texas.gov/industry/electric/reports/scope/2013/2013scope_elec.pdf</a>	
VI.09	“Responses to Public Comments on Draft Federal Prevention of Significant Deterioration Permit Russell City Energy Center” Bay Area Air Quality Management District Application Number 15487. <a href="http://www.baaqmd.gov/~media/Files/Engineering/Public%20Notices/2010/15487/PSD%20Permit/B3161_nsr_15487_res-com_020410.ashx?la=en">http://www.baaqmd.gov/~media/Files/Engineering/Public%20Notices/2010/15487/PSD%20Permit/B3161_nsr_15487_res-com_020410.ashx?la=en</a>	
VI.10	Lower Colorado River Authority (LCRA) Final GHG PSD Permit. <a href="http://www.epa.gov/earth1r6/6pd/air/pd-r/ghg/lcra_final_permit.pdf">http://www.epa.gov/earth1r6/6pd/air/pd-r/ghg/lcra_final_permit.pdf</a>	
VI.11	Russell City Energy Center Permit <a href="http://www.baaqmd.gov/~media/Files/Engineering/Public%20Notices/2010/15487/PSD%20Permit/B3161_nsr_15487_psd-permit_020410.ashx?la=en">http://www.baaqmd.gov/~media/Files/Engineering/Public%20Notices/2010/15487/PSD%20Permit/B3161_nsr_15487_psd-permit_020410.ashx?la=en</a>	
VI.12	“Heat Recovery Steam Generators Design Options and Benefits”, James Hunt, January 5, 2008; Cogeneration & On-Site Power Production. <a href="http://www.cospp.com/articles/print/volume-9/issue-3/features/heat-recovery-steam-generators-design-options-and-benefits.html">http://www.cospp.com/articles/print/volume-9/issue-3/features/heat-recovery-steam-generators-design-options-and-benefits.html</a>	
VI.13	“Turbine Technology Maturity: A Shifting Paradigm”, <i>Power</i> , Dr. Justin Zachary, 2008. <a href="http://www.powermag.com/turbine-technology-maturity-a-shifting-paradigm/">http://www.powermag.com/turbine-technology-maturity-a-shifting-paradigm/</a>	
VI.14	“Policies to Advance the Business Case for Natural Gas Combined Cycle Power Plants with Carbon Capture and Storage” Tom Curry and Austin Whitman, Bradley & Associates LLC; November 2011. <a href="http://www.cleanskies.org/wp-content/uploads/2011/12/ACSF_NGCCS-Reg-Policy_30Nov2011.pdf">http://www.cleanskies.org/wp-content/uploads/2011/12/ACSF_NGCCS-Reg-Policy_30Nov2011.pdf</a>	
VI.15	“Technical and Regulatory Analysis of Adding CCS to NGCC Power Plants in California” CH2MHill for Southern California Edison Company, November 2010. <a href="http://web.mit.edu/sequestration/costing/pdfs/2010_CH2M-HILL.pdf">http://web.mit.edu/sequestration/costing/pdfs/2010_CH2M-HILL.pdf</a>	
VI.16	“Life Cycle Analysis: Natural Gas Combined Cycle (NGCC) Power Plant” September 30, 2010; DOE/NETL-403-110509; U.S. Department of Energy, National Energy Technology Laboratory. <a href="http://www.netl.doe.gov/energy-analyses/pubs/NGCC_LCA_Report_093010.pdf">http://www.netl.doe.gov/energy-analyses/pubs/NGCC_LCA_Report_093010.pdf</a>	
VI.17	“Updated Costs (June 2011 Basis) for Selected Bituminous Baseline Cases” August 2012, NETL. <a href="http://www.netl.doe.gov/energy-analyses/pubs/BaselineCostUpdate.pdf">http://www.netl.doe.gov/energy-analyses/pubs/BaselineCostUpdate.pdf</a>	
VI.18	Control Efficiencies for TCEQ Leak Detection and Repair Programs, July 2007. <a href="http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/NewSourceRevi">http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/NewSourceRevi</a>	

**United States Environmental Protection Agency**

Administrative Record Index – December 2013

La Paloma Energy Center

PSD Permit (PSD-TX-748-GHG)

Index #	Record Section or Item	Date of Item
	<a href="#">ew/control_eff.pdf</a>	
VI.19	U.S. EPA, “Responses to Public Comments on the Proposed Prevention of Significant Deterioration Permit for the Palmdale Hybrid Power Project” at 40 (October 2011). <a href="http://www.epa.gov/region9/air/permit/palmdale/palmdale-response-comments-10-2011.pdf">http://www.epa.gov/region9/air/permit/palmdale/palmdale-response-comments-10-2011.pdf</a>	

## CERTIFICATE OF SERVICE

I hereby certify that I caused a copy of **EPA REGION 6'S CERTIFIED INDEX TO THE ADMINISTRATIVE RECORD** in the matter of La Paloma Energy Center, EAB Appeal No. PSD 13-10, to be served by electronic mail upon the persons listed below.

Dated: December 23, 2013

/s/ *Brian Tomasovic*

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Brian Tomasovic

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