

PMSTPCOL PEmails

From: Muir, Jessie
Sent: Thursday, May 28, 2009 6:09 PM
To: Kiesling, Russell W
Cc: STPCOL; Diediker, Nona H
Subject: ER Figure Request
Attachments: STP Figures Request 2009.doc

Russ,

Attached is a list of ER figures and GIS layers the NRC is requesting for purposes of EIS production. The figures were already provided to the NRC in the ER, but we are requesting original files for printing and reproduction. If you have any questions about the figure request, please let me know. If there are questions about the GIS files, please call the PNNL contact provided in the attachment.

Thanks,
Jessie

Jessie M. Muir

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From: Muir, Jessie

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Tracking Status: None
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Options

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South Texas EIS Figure Request

The objective of this request is to obtain the best possible figures for use in the South Texas EIS—figures that reproduce clearly in both black-and-white and color, and that can be modified as necessary by our GIS experts and graphic specialists. To this end, we make the following request:

1. Provide GIS data for the map figures (please refer to the formal GIS data request form attached).
2. For non-GIS figures—i.e., those that are drawn or otherwise created by graphic designers, provide “original” files—e.g., native-platform vector files, working layered Photoshop files, Illustrator files, Cad files, Freehand files.
3. In addition to the type of figure files requested in items 1 and 2, provide high-resolution (300 dpi) editable PDFs in both black-and-white and color for each figure made from original art. These are needed because the website version of the EIS will be in color, while hard copies printed by NRC are strictly in black-and-white.

PNNL Project Contacts

Nona Diediker, Team Lead. 509-372-6538. nona.diediker@pnl.gov

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May 21, 2009

GIS DATA REQUEST FORM

Please provide GIS layers that accurately represent the following entities, if available. Also include any additional layers that may be relevant to this process that are not on the list. Please be sure to include sufficient metadata, especially for site-specific data sets and scientific results. ESRI Shapefile and Geodatabase formats are preferred.

Administrative Boundaries	Site boundary
	Site center point
	Alternative Site boundaries and center points
	Counties within 50 miles
	States within 50 miles
	City points and urban areas
	Game Lands and Wildlife Refuges
	State Parks
	State Forest
	National Forest
	State Recreation Sites
	Protected/Sensitive Natural and Wildlife Areas
	HUC-8 watershed boundaries
	Land / Water boundaries (reservoirs, local streams, etc)
	FEMA Q3 flood boundaries
Transportation	Public & On-Site roads
	Public & On-Site railroads
Existing & Proposed Infrastructure (as separate products or clearly labeled)	Existing and onsite proposed Transmission Lines (all voltages) & ROWs
	Electric Substations (Switchyards)
	Ponds
	Intakes / Outfalls / Pipelines (RMPF, spillway, discharge facility with valve boxes and discharge ports)
	Cooling Towers
	Turbine Building
	Power Block
	Discharge Points
	Sewage Treatment Plant
	Meteorological Stations
	Reactor Building
	River Diffuser
	Low Level Radioactive Waste Storage
	Dams
Construction Phase	Construction footprint (including staging areas)
	Proposed permanently disturbed areas (including Wetlands)

Land	Existing Wetlands (including NWI data and 2008-2009 preliminary delineation of wetlands on the STP site)
	Land use
	Site contours
	30-meter dems for 50-mile buffer of Primary and Alternative Sites
	10-meter dems for 6-mile buffer of Primary and Alternative Sites
	Geology
	Land Cover (vegetation)
Previous Studies (if applicable)	Sampling locations
	Exclusion Area Boundary
	Near & Far Field Radiological Sampling/Monitoring Locations
	Noise Contours
	Airsheds
	Traffic count data
	Minority neighborhoods
	Low income neighborhoods
	Cultural Resources
	Architectural and Historical Resources
	tornado occurrences
	hurricane paths
	earthquakes
Hydrology	Monitoring well locations
	Groundwater and/or surface water sampling locations
	Surface Water Gauging Point
	Transect Point Data
	Bathymetry
	Water Budget Calculations
	Hydrogeological Cross-Sections
	Bedrock Surface Topography
	Potentiometric Surface Maps
	Map of Areas Known or Suspected of Having Upward-Flowing Groundwater from Bedrock
	Map of Surface Water Withdrawal Within 5 Mile (8 km) Radius
	Water Pollution Control Facility Locations Within a 5 Mile (8 km) Radius
	Sole Source Aquifers
	Total Ground Water Use (Per Basin)
	Potentially Stressed and Water Challenged Areas
	Potentially Contaminated Sites (points)

Imagery	NAIP Imagery (2005)
	National Landcover Dataset (2001)
	USGS DOQQ's
	USGS DRG (Topographic 1:24000)
	7.5' quadrangle boundaries for 50-mile buffer

STP ER Figure Requests

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Figures from other sources:

1. Figure 2.-1, Site Location Map, page 2.3. ENSR. 2007. Rapid Bioassessment Report – Main Drainage Ditch, Unit 3 and 4 Licensing Project, South Texas Project Electric Generating Station, Wadsworth, Texas. March 2007, Document No. 10720-010. ENSR Corporation, Houston, Texas.
2. Figure 2, MCR and CWIS Aquatic Study Sample Locations, South Texas Project Electric Generating Station, Matagorda County, TX. ENSR. 2008. Aquatic Ecology – Main Cooling Reservoir and Circulating Water Intake Structure Study, Unit 3 and 4 Licensing Project. August 2008. ENSR Corporation, Houston, Texas.
3. Figure 2a, Colorado River Aquatic Sampling Program, South Texas Project Electric Generating Station, Matagorda County, TX. ENSR. 2008b. Aquatic Ecology – Colorado River Monitoring Report, Unit 3 and 4 Licensing Project. June 2008. ENSR Corporation, Houston, Texas.
4. Figure 2b, Colorado River Aquatic Sampling Program, South Texas Project Electric Generating Station, Matagorda County, TX. ENSR. 2008b. Aquatic Ecology – Colorado River Monitoring Report, Unit 3 and 4 Licensing Project. June 2008. ENSR Corporation, Houston, Texas.
5. Figure 2.4S.2-4. Main Drainage Channel. FSAR.