US Army Corps of Engineers Louisville District ®	Public Notice				
	Public Notice No. LRL-2015-21-mck	Open Date: 13 Mar 2015	Close Date: 13 Apr 2015		
	Please address all comment U.S. Army Corps of Enginee ATTN: Ms. Meagan Knuckle P.O. Box 59 Louisville, Kentucky 40201-0	rs, Louisville District s, CELRL-OPF-S, Rm 752	Phone: 502-315-6709		

This notice announces an application submitted for a Department of the Army (DA) Permit, subject to Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act:

APPLICANT:	Tennessee Valley Authority (TVA) 1101 Market Street, LP 5D Chattanooga, Tennessee 37402
LOCATION:	The proposed project would be located on the left bank of the Green River between Mile 99.5 and 99.6, Drakesboro, Muhlenberg County, Kentucky.
	Latitude: 37.2731°N Longitude: 86.9847°W 7.5 Minute Quad: KY-PARADISE
PURPOSE:	To construct facilities in support of the construction of the Paradise Combined Cycle Plant (PCC). Heavy equipment for the construction of the facility would be shipped via barge (due to weight and size restrictions) and unloaded utilizing the proposed unloading ramp on the Green River. In addition, a water intake structure is proposed to be constructed in the Green River to support the PCC.

DESCRIPTION OF WORK: The applicant proposes to construct an unloading ramp to facilitate the unloading of large equipment shipped via barge for the construction of the PCC and the construction of an intake line and screen installation for the PCC to intake water from the Green River. Additionally, the applicant proposes to dredge approximately 15,000 cubic yards from the Green River at the unloading ramp site. The PCC would not be constructed if the boat ramp is not constructed due to the weight and size restrictions of railroad and roadways for the delivery of oversized equipment required to construct the PCC. Therefore, the entire project is within the Corps' jurisdiction. However, the only impacts to "waters of the United States," would include the proposed unloading ramp, dredging activities, and the installation of the intake line and screen.

Barge Unloading Ramp

TVA proposes to construct a 25-foot wide ramp with 3-foot wide riprap ditches on both sides (totaling 31 feet wide). TVA would clear, grub and grade the area to the correct contours for the installation of the ramp. The ramp would require the discharge of 123 cubic yards of #1 stone, 699 cubic yards of #57 stone and 39 cubic yards of Class II riprap below the ordinary high water mark (OHWM). All fill material at the ramp area would be encased with Mirafi 500X filter fabric and Tensar Geogrid, due to the potential to be below water level. The proposed barge unloading ramp would impact 0.423 acres of the Green River below the OHWM.

Dredging

Once the construction of the ramp is completed, TVA proposes to dredge an area below the newly constructed ramp in the Green River. Dredging would be performed from the shore (ramp area) using a track hoe. Approximately 15,000 cubic yards would be dredged from the Green River and placed into a truck and hauled to the onsite upland disposal area. Turbidity curtains would be installed across the Green River downstream of the proposed dredging area.

Barge Unload Ramp Operation

Once ramp construction and dredging are complete, the ramp would be used to unload heavy equipment delivered to the site for the proposed PCC. During delivery of equipment only one barge would be docked at a time once a week. The maximum riverward projection of the barge would be 156 linear feet at normal pool elevation of 363.0 feet and 121 linear feet at the OHWM elevation of 378.3 feet. A tug boat (approximately 73 feet in length) would be used to push the barge into the docked position. In addition, TVA proposes to stage heavy equipment (for example a bulldozer) near the constructed barge offloading ramp to serve as mooring points to tie-off the parked barge. Once all equipment has been delivered to the proposed PCC site, the ramp would no longer be used and a rock berm would be installed near the end of the ramp to prevent public use.

Intake Line and Screen

As a part of the proposed PCC, an intake line and screen would be installed to pump water to the proposed PCC. Approximately 300 linear feet of 38-inch steel intake pipe would be installed by microtunneling from the bank to beneath the Green River. To retrieve the microtunnel boring machine (MTBM), a 25-foot by 25-foot area would be excavated on the bottom of the Green River. Once the MTBM is removed, the remaining pipe would be installed with a flanged 90 degree elbow to turn the pipe vertical above the river bottom with a screen bolted at the end of the pipe. Once pipe installation and screen is complete, the excavated area would be backfilled with approximately 232 cubic yards of concrete or 580 cubic yards of soil or stone fill.

Eight 18-inch round steel pipe piles (approximately 20 feet long) would be installed upstream of the screen to protect it from debris.

Total fill material required for the eight piles would be 10.5 cubic yards of concrete. In addition, a buoy would be installed near the intake structure as well as an alarm to identify when a backwash would occur.

TVA proposes a 25 foot x 25 foot coffer dam to be installed to facilitate the intake line, screen and piling work. A barge would be used as the platform for the installation of this work.

AVOIDANCE, MINIMIZATION, AND MITIGATION MEASURES: Proposed impacts have been minimized to the maximum extent possible for the applicant to achieve their purpose. The applicant proposes to avoid impacting 505 linear feet of an unnamed tributary to the Green River, 21 acres of open water, and 0.23 acre of forested wetland for the construction of the PCC, barge unloading ramp and the intake line and screen. The applicant has proposed the use of Best Management Practices onsite.

No mitigation has been proposed as this time. It is noted that this proposed mitigation plan is open to comment and subject to change. The Corps will make a determination of appropriate mitigation, upon review of all submitted information.

REVIEW PROCEDURES: A DA Permit cannot be issued if any legally required Federal, State, or local authorization or certification is denied. A DA permit, if otherwise warranted, will not be issued until a State of Kentucky Water Quality Certification or waiver is on file at this office. In order to comply with Section 401 of the Clean Water Act, the applicant must apply for State certification from the Kentucky Energy and Environment Cabinet Division of Water (KDOW).

Copies of this notice are sent to the appropriate Federal and State Fish and Wildlife Agencies. Their views and comments are solicited in accordance with the Fish and Wildlife Coordination Act of 1956. Based on available information, the proposed activity will not destroy or endanger any Federally-listed threatened or endangered species or their critical habitats, as identified under the Endangered Species Act, and therefore, initiation of formal consultation procedures with the U.S. Fish and Wildlife Service is not planned at this time.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. A request for a public hearing must state the specific interest which might be damaged by issuance of the DA Permit.

TVA is the lead Federal Agency for the proposed project and is responsible for coordinating Section 106 with the Kentucky Heritage Council (KHC).

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both

protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered; among those are conservation, economics, aesthetic values, general environmental concerns, historic values, fish and wildlife values, flood damage prevention, land use, navigation, recreation, water supply, water quality, energy needs, safety, food production, and in general, the needs and welfare of the public. In addition, the evaluation of the impact of the activity on the public interest will include application of the guidelines (40 CFR Part 230) promulgated by the Administrator, United States Environmental Protection Agency, under authority of Section 404(b) of the CWA.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. It is presumed that all interested parties and agencies will wish to respond; therefore, a lack of response will be interpreted as meaning that there is no objection to the proposed project. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Written statements received in this office on or before the closing date will become a part of the official record and will be considered in the determination on this permit request. Any objections which are received during this period will be forwarded to the applicant for possible resolution before the determination is made whether to issue or deny the requested DA Permit. A permit will be granted unless its issuance is found to be contrary to the public interest.

Information pertaining to this application is available for public examination during normal business hours upon prior request. Drawings are available on Louisville District's Internet site at http://www.lrl.usace.army.mil/Missions/Regulatory.aspx. All comments regarding this proposal should be addressed to Ms. Meagan Knuckles, CELRL-OPF-S at the address noted above and should refer to the Public Notice Number LRL-2015-21-mck. Please note, additional construction plan sheets are available upon request by writing to the above address, or via email identified below.

If you desire to submit your comments by email, you must comply with the following:

a) In the subject line of your email, type in **ONLY** the Public Notice ID No. LRL-2015-21-mck.

Example:

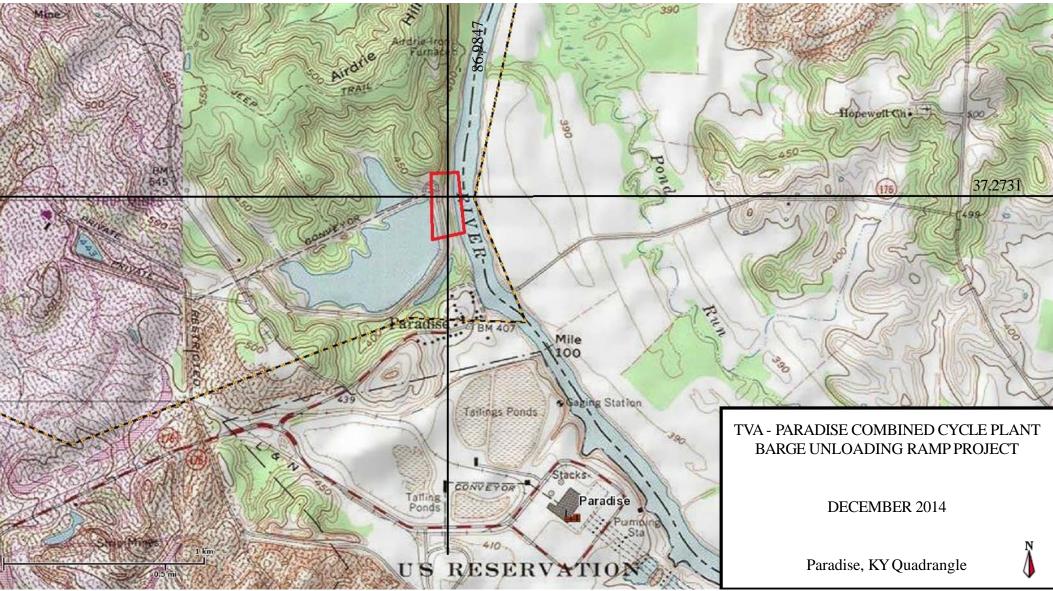
Subject: LRL-2015-21-mck

b) Provide your physical mailing address and telephone number.

c) Send your email to: <a>lrl.regulatorypubliccomment@usace.army.mil.

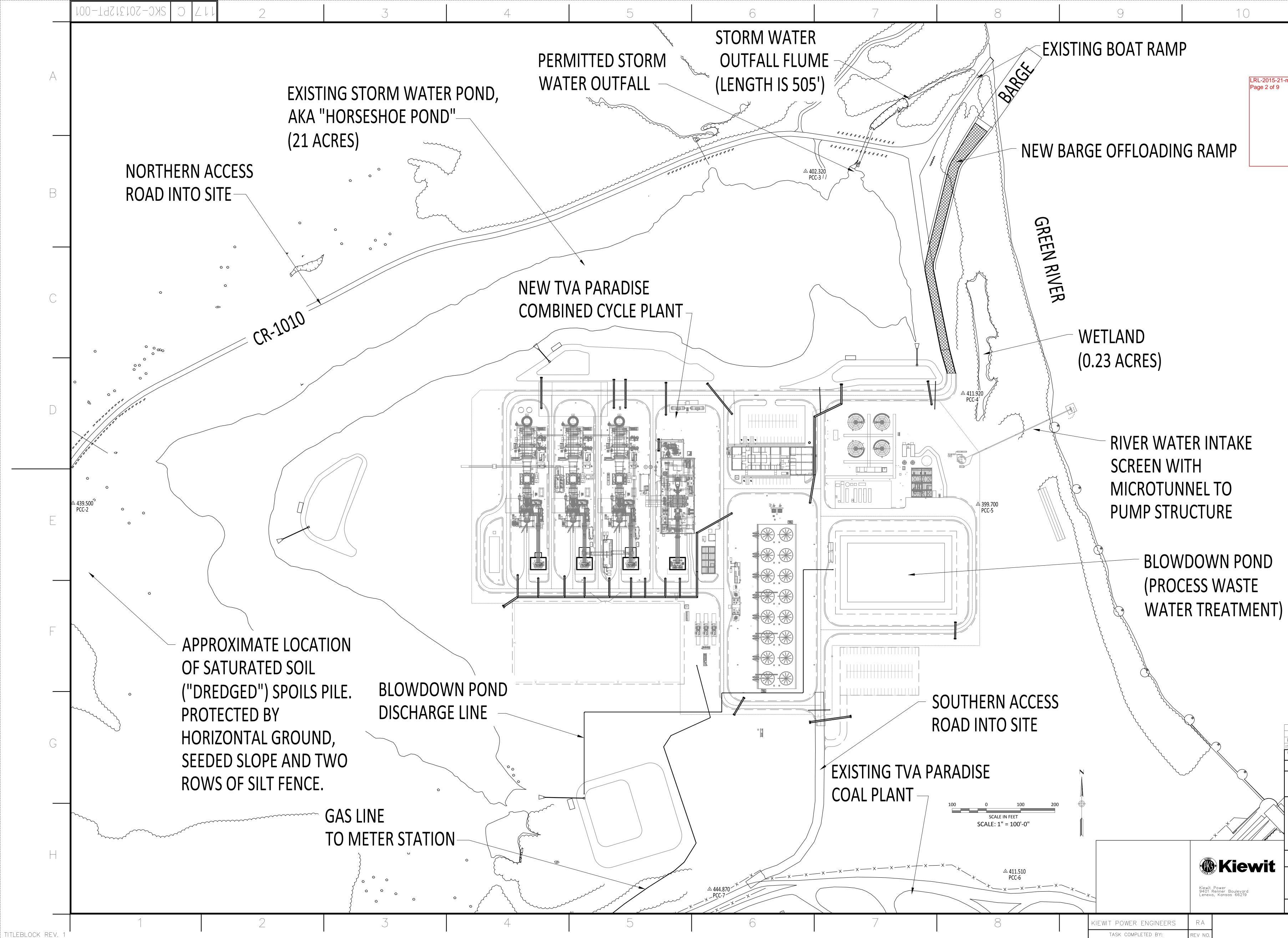
d) If you are sending attachments greater than 1 Mb in size with your email, you must send a hard copy (CD or paper) to the Corps' physical address as well.

Enterprise GIS



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