

From: Daniel Jelinek
To: Knuckles, Meagan L CIV USARMY CELRL (USA)
Subject: [Non-DoD Source] RE: LRL-2025-00040-milk, GLE Paducah Laser Enrichment Facility-Request for Info
Date: Tuesday, May 5, 2026 2:11:28 PM
Attachments: image002.png
image003.png
LRL-2025-00040-milk GLE Paducah Laser Enrichment Facility.mso

Meagan:

Good afternoon. I wanted to provide a response to check first before submitting a formal response to the entire group.

The screenshot below is from our February 202, 2026 submittal and attached is the e-mail with the zip file.

GLE PLEF_USACE Supplemtal JD Request_FINAL_20260220_compressed.pdf

Is the information below what you need or do you need additional information?

Apologies for any confusion.

Thank you,

Daniel



BUSINESS SENSITIVE - Correspondence

Proposed Impacts and Mitigation

Based on communication from the USACE, GLE understands that the USACE found no evidence that SV06 was a Traditional Navigable Water and is considering SV06 non-jurisdictional. Under this classification, jurisdictional streams within the PLEF site boundary would be limited to SV02 and SV04, and jurisdictional wetlands would be limited to WA11, WV05, and WV06. The onsite waters and wetlands with their updated jurisdictional status are depicted in Attachment 1: Figure 5.

Under the requested jurisdictional determination, the proposed impact and mitigation amounts have changed and are summarized in the tables below. Please note that in the northwestern corner of the site, GLE has updated the PLEF conceptual site plan to avoid impacts to wetland WA11 as well as ponds PA02, PA04, and PA05. Along the eastern edge of the PLEF, GLE has reduced impacts to WV06. Fencing or other protective measures will be used to prevent impacts to these features during site construction activities. The revised total for all jurisdictional water and wetland impacts is 0.499 acre and a revised impact map is provided as Figure 6 in Attachment 1.

Table 3 – Proposed Jurisdictional Stream Impacts

Jurisdictional Stream	Stream Type	Stream Width	Length Within Site (feet)	Expected Length of Impact (feet)	Expected Acreage of Impact (feet)
SV02 - Little Bayou Creek	Perennial	4	823	30	0.003
SV04	Intermittent	4	189	0	0
Perennial Stream Impact Total				30	0.003
Intermittent Stream Impact Total				0	0

Table 4 – Proposed Jurisdictional Wetland Impacts

Wetland Number	Wetland Type*	Area of Wetland Delineation in Survey Area (acre)	Expected Area of Impact (acre)
WA11 S	PFO	0.60	0
WA11 S	PEM	0.40	0
WV06	PFO	1.66	0.496
PFO Wetland Total		2.26	0.496
PSS Wetland Total		0	0
PEM Wetland Total		0.40	0
PAB Wetland Total		0	0
Total		2.66	0.496

(*) Symbols for wetland type: PFO = Palustrine Forested Wetland, PEM = Palustrine Emergent Wetland, PSS = Palustrine Scrub-Shrub, PAB = Palustrine Aquatic Bed
(*) Part of a wetland complex consisting of PFO and PEM wetlands

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From: Knuckles, Meagan L CIV USARMY CELRL (USA) <Meagan.L.Knuckles@usace.army.mil>
Sent: Tuesday, May 5, 2026 1:01 PM
To: Daniel Jelinek <DJelinek@DeMase-Tech.com>; timothy.knowles@gle-us.com; Steuer, Scott <scott.steuer@gle-us.com>
Cc: Heyn, Michael (EEC) <michael.heyn@ky.gov>; kmcdaniel@bfwengineers.com; Amy Minor <amy.hesterminor@nrc.gov>
Subject: RE: LRL-2025-00040-milk, GLE Paducah Laser Enrichment Facility-Request for Info

Daniel,

Not sure if I'm just missing this in your submittal or it isn't there, but I need an impact table showing impacts to WOUS. Include area for wetlands and linear feet/width for streams.

Thanks!

Meagan Knuckles
Chief, South Branch
Regulatory Division
U.S. Army Corps of Engineers, Louisville District
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From: Daniel Jelinek <DJelinek@DeMase-Tech.com>

Sent: Monday, April 27, 2026 2:26 PM

To: Knuckles, Meagan L CIV USARMY CEURL (USA) <Meagan.L.Knuckles@usace.army.mil>; timothy.knowles@gle-us.com; Steuer, Scott <scott.steuer@gle-us.com>

Cc: Heyn, Michael (EEC) <michael.heyn@ky.gov>; lmcdaniel@bfwengineers.com; Amy Minor <amy.hesterminor@nrc.gov>

Subject: [Non-DoD Source] RE: LRL-2025-00040-mik, GLE Paducah Laser Enrichment Facility-Request for Info

Importance: High

Meagan:

Good afternoon. On behalf of GLE, please find our responses to your questions, as well as updated conceptual drawings and WRAM forms.

Per your review, please let us know if you have any questions or comments.

Thank you,

Daniel

GLE Responses:

Request from USACE	Response
Updated site constructions plans and grading plans. The site construction plan should have the waters identified and indicate the impacts to waters assumed jurisdictional. Provide an overall site plan as well.	GLE has provided the attached conceptual drawings/plans which include updated site construction plans and grading plans that identify waters and indicated waters that are assumed jurisdictional. C1.0 Schematic Site Development Plan C2.0 Schematic Site Grading Plan C2.1 Grading Sections C2.2 Erosion & Sedimentation Control Plan C2.3 Erosion Sedimentation Control Details C3.0 Schematic Stormwater Plan
Demonstrate how waters would be avoided during construction.	GLE has provided conceptual grading plans that demonstrate how waters will be avoided during construction. C2.0 Schematic Site Grading Plan C2.2 Erosion & Sedimentation Control Plan C3.0 Schematic Stormwater Plan
Label the OHWM on Figure 7 of the Outfall Conceptual Plan submitted on March 13, 2026. Label stream flow and total length of the impact. Are there existing access roads to get to the proposed outlet structure location?	Figure 7 provided in the <i>Joint Application for Section 404 Individual Permit and Section 401 Water Quality Certification</i> (October 2, 2025) and subsequent submittals including the <i>Application for Section 401 Water Quality Certification AI #187115</i> (March 13, 2026), depicts a conceptual drawing with Best Management Practice (BMP) standard detail intended to illustrate a typical outfall protection configuration. It is not a project-specific outfall design and does not represent the final proposed outlet structure location or alignment. Because the outfall has not yet been fully designed or surveyed, the following information cannot be determined at this stage: • The location of the Ordinary High Water Mark (OHWM) • Stream flow characteristics • Total length or extent of potential impacts • Confirmation of existing access roads to the proposed outlet structure location This information will be identified and depicted upon further developed plan sets once detailed design and site-specific field investigations are completed. Accordingly, this comment is not applicable to Figure 7, which is provided for conceptual reference only.
Provide a description of the impacts to WV06. What impacts are occurring here? Grading, parking, etc.?	Minimal impacts to WV06 are depicted on the attached drawings. Limited impacts to a portion of WV06 will be a sanitary system and asphalt driveway.
The length of impact to SV02 is 30 linear feet. What is the width?	The width of SV02 is approximately 58 feet.
Provide an avoidance, minimization and mitigation statement on how impacts have been reduced (don't include description about the non-jurisdictional waters), just focus on how the plans were re-designed to avoid some of the waters of the U.S.	GLE proposes to not impact WA11, and the ponds located to the northwest will remain in place. Alterations to the layout of the PLEF design are depicted in the attached conceptual drawings. In order to minimize impacts to WV06, GLE proposes relocating the berm and if necessary, slightly altering the locations of the Stormwater Pond 3. The areas of WV06 will be marked and a buffer area will be established prior to construction activities.
Are there any public water intakes nearby the proposed project area?	There are no public drinking-water intakes on surface waterbodies within 5 mi (8 km) of the PLEF.
Were any assessments done on the wetlands or Little Bayou Creek? HGM or KYWRAM for the wetlands? Or an RBP for Little Bayou Creek? Or some sort of functional analysis. If you provided that documentation, just please let me know what submittal that was in.	GLE has attached Kentucky WRAM forms for WA11 and WV06.
Proposed mitigation table needs include credits if purchased from a mitigation bank as well as the ILF. Currently, it appears that there are sufficient credits at a mitigation bank within the service area of the proposed project (West Kentucky Wetwoods Mitigation Bank 2). Per the 2008 Mitigation Rule, you must first purchase credits from a bank if available before purchasing from an ILF program. The Permit, if issued, would require purchase from a bank first. Please update your mitigation table to include credits required from a Mitigation Bank. Let me know if you have any questions regarding this.	GLE has reviewed the options to purchase credits from a mitigation bank within the Jackson Purchase Area and identified West Kentucky Wetwoods Mitigation Bank 2 (MVM-2009-496-RSA). It is our understanding that the mitigation credits are allocated to Kentucky Transportation Cabinet and unavailable for private purchase. The mitigation table submitted as part of the KDOW 401 WQC application takes into account the Kentucky Department of Fish and Wildlife ILF Stream and Wetland fees (https://fw.ky.gov/Fish/Pages/Stream-and-Wetland-Restoration-Program.aspx). Based on these findings, GLE does not plan to update the mitigation tables.

From: Knuckles, Meagan L CIV USARMY CELRL (USA) <Meagan.L.Knuckles@usace.army.mil>
Sent: Friday, March 20, 2026 2:49 PM
To: Daniel Jelinek <DJelinek@DeMase-Tech.com>; timothy.knowles@gle-us.com
Cc: Heyn, Michael (EEC) <michael.heyne@ky.gov>; kmcDaniel@bfwengineers.com; Amy Minor <amy.hesterminor@nrc.gov>
Subject: LRL-2025-00040-milk, GLE Paducah Laser Enrichment Facility-Request for Info

Daniel,

Based on your recent submittal to the KDOW dated March 13, 2026, please provide the following information to continue the review of this application:

- Updated site constructions plans and grading plans. The site construction plan should have the waters identified and indicate the impacts to waters assumed jurisdictional. Provide an overall site plan as well.
- Demonstrate how waters would be avoided during construction.
- Label the OHWM on Figure 7 of the Outfall Conceptual Plan submitted on March 13, 2026. Label stream flow and total length of the impact. Are there existing access roads to get to the proposed outlet structure location?
- Provide a description of the impacts to WV06. What impacts are occurring here? Grading, parking, etc.?
- The length of impact to SV02 is 30 linear feet. What is the width?
- Provide an avoidance, minimization and mitigation statement on how impacts have been reduced (don't include description about the non-jurisdictional waters), just focus on how the plans were re-designed to avoid some of the waters of the U.S.
- Are there any public water intakes nearby the proposed project area?
- Were any assessments done on the wetlands or Little Bayou Creek? HGM or KYWRAM for the wetlands? Or an RBP for Little Bayou Creek? Or some sort of functional analysis. If you provided that documentation, just please let me know what submittal that was in.
- Proposed mitigation table needs include credits if purchased from a mitigation bank as well as the ILF. Currently, it appears that there are sufficient credits at a mitigation bank within the service area of the proposed project (West Kentucky Wetwoods Mitigation Bank 2). Per the 2008 Mitigation Rule, you must first purchase credits from a bank if available before purchasing from an ILF program. The Permit, if issued, would require purchase from a bank first. Please update your mitigation table to include credits required from a Mitigation Bank. Let me know if you have any questions regarding this.

As always, feel free to reach out with questions.

Thanks,

Meagan Knuckles
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