



July 24, 2023

VIA ELECTRONIC FILING

Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, DC 20426

**Re: Pensacola Hydroelectric Project, FERC Project No. 1494-438
Additional Information and Analyses Requested by Commission Staff and
Response to Request for Contaminated Sediment Transport Study**

Dear Secretary Bose:

In the ongoing relicensing of the Pensacola Hydroelectric Project No. 1494 (Project), staff of the Federal Energy Regulatory Commission (Commission or FERC) staff on March 14, 2023, issued their Determination on Requests for Study Modifications and New Studies (Determination),¹ following the Grand River Dam Authority's (GRDA) Updated Study Report (USR) filed in September 2022² and the ensuing USR meeting and public comment period. In their Determination, Commission staff approved several minor changes to the FERC-approved Hydrologic and Hydraulic (H&H) Modeling Study and Sedimentation Study. In addition, Commission staff stated their intent to make a final determination on the long-standing request in this relicensing effort for GRDA to undertake a proposed Contaminated Sediment Transport Study.

This letter responds to staff's Determination.

We deliver affordable,
reliable **ELECTRICITY**,
with a focus on **EFFICIENCY**
and a commitment to
ENVIRONMENTAL
STEWARDSHIP.

We are dedicated to
ECONOMIC DEVELOPMENT,
providing resources and
supporting economic growth.

Our **EMPLOYEES**
are our greatest asset in
meeting our mission to be an
Oklahoma Agency
of Excellence.



¹ Determination on Requests for Study Modifications and New Studies for the Pensacola Hydroelectric Project, Project No. 1494-438, Accession No. [20230314-3035](#) (issued Mar. 14, 2023) (hereinafter, 2023 SMD).

² Updated Study Report, Project No. 1494-438, Accession No. [20220930-5106](#) (filed Sep. 30, 2022).

H&H Modeling Study

In their March 14 Determination, Commission staff requested GRDA to conduct several “extreme” simulations using the H&H Modeling Study’s HEC-RAS model, as an accommodation to the City of Miami, Oklahoma.³ Specifically, staff requested that GRDA simulate fictional scenarios in which the U.S. Army Corps of Engineers (CORPS) would hold the elevation at Pensacola Dam steady at flood stage, while the incoming flood passed the Corps-monitored upstream U.S. Geological Survey (USGS) gages near Commerce and Miami (68 and 58 miles upstream of the dam, respectively) and continue to hold the elevation at Pensacola Dam steady at flood stage until the incoming flood reached Pensacola Dam.⁴

GRDA has completed this request, the results of which appear in **Attachment A** to this letter, *Supplementary Analysis No. 1: Hydrologic and Hydraulic Modeling: Fictional Scenarios in which the U.S. Army Corps of Engineers Fails to Adhere to its Water Control Manual Until the Peak Inflow Reaches Pensacola Dam (SA1)*. This new, quantified analysis reported in SA1 resulted in the same conclusions presented in GRDA’s USR: that is, that starting elevations at Pensacola Dam within GRDA’s anticipated operational range—even considering extreme, fictional scenarios in which the Corps would disregard its Water Control Manual by failing to respond to an incoming flood event until the peak flow reaches Pensacola Dam—have an immaterial impact on upstream water surface elevations, inundation, and duration for a range of inflow events.

After years of study and analysis, including extreme events like these, Commission staff, GRDA, and all relicensing participants can confidently conclude that Project operations are not the cause of flooding within and in the vicinity of the City of Miami.

Sedimentation Study

Also in their March 14 Determination, Commission staff accepted a request by the Local Environmental Action Demanded Agency, Inc. (LEAD) for GRDA to run the sediment transport model at higher water levels to determine effects of Project operations in the redistribution of toxic sediment, directing GRDA to add a modeling run with a starting elevation of 755 feet. In addition, staff directed GRDA to modify the Tar Creek boundary condition in the 1-D Upstream Hydraulic Model and re-run the sediment transport model to update the Sedimentation Study results, as needed to account for these changes recommended by staff.

GRDA has completed this request, the results of which appear in Attachment B to this letter. **Attachment B-1** contains the *Grand Lake Sedimentation Study: Revised Updated Study Report* (Revised Sedimentation Study Report), which details the additional work to the sediment transport modeling work recommended by FERC staff, and concludes that sediment loading, a natural phenomenon outside GRDA’s control, generally has the largest impact on upstream water

³ 2023 SMD at B-8.

⁴ *Id.*

levels in the Neosho River, overshadowing any impacts caused by Project operations. The Revised Sedimentation Study Report demonstrates that Project operations, sediment loading, and future geometry show immaterial changes to water levels in the vicinity of the City of Miami. GRDA does not control the volume of incoming sediment, and the simulations reported in the Revised Sedimentation Study Report indicate that, much like the findings of the H&H Modeling Study, nature dictates incoming sediment loads and therefore water levels in the study area, not Project operations. For convenience, a redlined version of the Revised Sedimentation Study Report, showing all changes to the prior version of this report since it was last filed as part of the USR, appears in **Attachment B-2**.

Proposed Contaminated Sediment Transport Study

Commission staff's March 14 Determination indicated their intent to make a determination on the repeated requests by the City of Miami and LEAD on their proposed Contaminated Sediment Transport Study. Staff explained:

As discussed in the approved study plan, the results of the H&H and Sedimentation Studies are necessary to evaluate the potential for project operation to affect flooding, peak flows, and sediment transport in the project headwaters. These studies are nearly complete, but as recommended in this SMD, the 1-D UHM requires modification to revise the downstream boundary condition for Tar Creek at the Neosho River confluence. In addition, modifications to the sediment transport model are needed to account for the corrections to the 1-D UHM. Until the modifications recommended in this SMD are completed, it remains premature to make a determination on the need for the City's requested Contaminated Sediment Transport Study. As discussed in Appendix B, this letter provides 30 days from the issuance date of this determination for GRDA to file an updated Sedimentation Study Report. After that update is filed, a determination will be made on the Contaminated Sediment Transport Study.⁵

As detailed in **Attachment C**, *Response to Requests for Contaminated Sediment Transport Study for the Relicensing of the Pensacola Hydroelectric Project (FERC No. 1494)*, the Commission should reject the proposed Contaminated Sediment Transport Study. Not only do the now-final H&H Modeling Study and Sedimentation Study demonstrate that Project operations are not the cause of overbank flooding in and around the City of Miami, but the study involves matters that are within the exclusive authority of the Corps (exercising flood control jurisdiction) and the U.S. Environmental Protection Agency (EPA) (exercising authority under the Comprehensive Environmental Response, Compensation, and Liability Act); involves a matter in which GRDA bears no responsibility; proposes methods that have been rejected by EPA's Contaminated

⁵ *Id.* at C-3. Later, Commission staff approved GRDA's request for an extension of time until July 24, 2023, to file these additional analyses. See Extension of Time for Filing Modifications to Updated Study Report, Project No. 1494-438, Accession No. [20230329-3039](#) (issued Mar. 29, 2023).

Sediments Technical Advisory Group; seeks information that is already abundantly available; and involves a multi-year effort that would cost millions of dollars, delay this relicensing process, and fail to produce reliable information to the Commission in this proceeding.

Availability of Updated Modeling Data

Modeling files supporting the new analyses of both SA1 and Revised Sedimentation Study Report are available to Commission staff and all relicensing participants at the following location:

[July 24, 2023 Filing](#)

Conclusion

GRDA appreciates this opportunity to submit additional information that has now finalized not only the H&H Modeling Study and Sedimentation Study, but the entire Commission-approved study plan for the relicensing of the Project. GRDA also appreciates Commission staff's due consideration of GRDA's strong objections to the proposed Contaminated Sediment Transport Study. While GRDA agrees with the City of Miami and LEAD that addressing the significant adverse effects to human health caused by historic mining activities within the Tri-State Mining District and the Tar Creek Superfund Site is a matter that is vital to our community, this is not a matter that can or should be addressed in this relicensing effort.

Should you have any questions regarding the enclosed reports or the above link, please do not hesitate to contact Jacklyn Smittle, at 918-981-8473, or by email at jacklyn.smittle@grda.com.

Sincerely,



Brian N. Edwards
Executive Vice President
Law Enforcement and Lake Operations

Enclosure

cc: Attached Distribution List

Stakeholder Distribution List

July 2023

* Denotes correspondence was mailed to relicensing participants without a known email address.

Federal Agencies:

Dr. John Eddins
Advisory Council on Historic Preservation
Federal Permitting, Licensing and
Assistance Section
401 F Street NW, Suite 308
Washington DC 20001-2637
jeddins@achp.gov

Mr. Andrew Commer, Chief
U.S. Army Corps of Engineers, Tulsa
District
Attn: CESWT-RO (Regulatory Office)
2488 East 81st Street
Tulsa, OK 74137
Andrew.Commer@usace.army.mil

Ms. Loretta Turner
U.S. Army Corps of Engineers
288 East 81st Street
Tulsa, OK 74137
loretta.j.turner@usace.army.mil

Ms. Jennifer Aranda
U.S. Army Corps of Engineers
2488 East 81st Street
Tulsa, OK 74137
jennifer.a.aranda@usace.army.mil

Mr. William Chatron
U.S. Army Corps of Engineers
2488 East 81st Street
Tulsa, OK 74137
william.a.chatron@usace.army.mil

Mr. Scott Henderson
U.S. Army Corps of Engineers
2488 East 81st Street
Tulsa, OK 74137
scott.a.henderson@usace.army.mil

Ms. Dawn Rice
U.S. Army Corps of Engineers
2488 East 81st Street
Tulsa, OK 74137
dawn.rice@usace.army.mil

Mr. Terry Rupe
U.S. Army Corps of Engineers
2488 East 81st Street
Tulsa, OK 74137
terry.d.rupe@usace.army.mil

Mr. David Williams
U.S. Army Corps of Engineers
2488 East 81st Street
Tulsa, OK 74137
david.j.williams@usace.army.mil

Ms. Eva Zaki-Dellitt
U.S. Army Corps of Engineers (Regulatory
Office)
2488 East 81st Street
Tulsa, OK 74137
eva.a.zaki-dellitt@usace.army.mil

Mr. Eddie Streater
Regional Director
U.S. Bureau of Indian Affairs
Eastern Oklahoma Regional Office
PO Box 8002
Muskogee, OK 74401-6206
eddie.streater@bia.gov

Mr. Mosby Halterman
Division Chief
U.S. Bureau of Indian Affairs
PO Box 8002
Muskogee, OK 74401
mosby.halterman@bia.gov

Ms. Allison Ross
Environmental Protection Specialist
U.S. Bureau of Indian Affairs
Eastern Regional Office
PO Box 8002
Muskogee, OK 74401
allison.ross@bia.gov

Mr. Harold Peterson
U.S. Bureau of Indian Affairs
Central Office
545 Marriot Drive, Suite 700
Nashville, TN 37214
harold.peterson@bia.gov

Mr. William Brant
Regional Archaeologist
U.S. Bureau of Indian Affairs
Eastern Regional Office
PO Box 8002
Muskogee, OK 74401
william.brant@bia.gov

Ms. Lisa Atwell
U.S. Bureau of Indian Affairs
Eastern Regional Office
PO Box 8002
Muskogee, OK 74401
lisa.atwell@bia.gov

Mr. James Schock
Regional Director
U.S. Bureau of Indian Affairs
Southern Plains Office
PO Box 368
Anadarko, OK 73005
james.schock@bia.gov

Ms. Crystal Keys
Water Program Manager
U.S. Bureau of Indian Affairs
Southern Plains Office
PO Box 368
Anadarko, OK 73005
crystal.keys@bia.gov

Mr. John Worthington
Natural Resources Officer
U.S. Bureau of Indian Affairs
Southern Plains Regional Office
PO Box 368
Anadarko, OK 73005
john.worthington@bia.gov

Mr. Robert Pawelek
Field Manager
U.S. Bureau of Land Management
Oklahoma Field Office
201 Stephenson Parkway, Suite 1200
Norman, OK 73072
rpawelek@blm.gov
blm_nm_comments@blm.gov

U.S. Department of the Army *
1645 Randolph Road
Fort Sill, OK 73503

Mr. Conor Cleary
Field Solicitor
U.S. Department of the Interior
Tulsa's Field Office of the Solicitor
7906 East 33rd Street, Suite 100
Tulsa, OK 74145
conor.cleary@sol.doi.gov

Ms. Valery Giebel
Attorney
Tulsa Field Solicitor's Office
U.S. Department of the Interior
P.O. Box. 470330
Tulsa, Oklahoma 74147
valery.giebel@sol.doi.gov

Ms. Kimeka Price
NEPA Project Manager
U S Environmental Protection Agency
Region 6
Fountain Place
1201 Elm Street
Dallas, TX 75202-2760
price.kimeka@epa.gov

Mr. Ken Collins
U.S. Fish and Wildlife Service
9014 E 21st Street
Tulsa, OK 74129-1428
ken_collins@fws.gov

Mr. Daniel Fenner
U.S. Fish and Wildlife Service
9014 E 21st Street
Tulsa, OK 74129-1428
daniel_fenner@fws.gov

Mr. Kevin Stubbs
U.S. Fish and Wildlife Service
9014 E 21st Street
Tulsa, OK 74129-1428
kevin_stubbs@fws.gov

Chief Vicki Christiansen
U.S. Forest Service
1400 Independence Avenue, SW
Washington, DC 20250
vcchristiansen@fs.fed.us

Jason Lewis, Director
U.S. Geological Survey
Oklahoma Water Science Center
202 NW 66th Street, Building 7
Oklahoma City, OK 73116
jmlewis@usgs.gov

Acting Chief Terry Cosby
U.S. Natural Resources Conservation
Service
1400 Independence Avenue, SW Room
5744-S
Washington DC 20250
Terry.cosby@usda.gov

Mike Reynolds
Regional Director
National Park Service
12795 Alameda Parkway
Denver, CO 80225
IMRextrev@nps.gov

Ms. Nicole McGavock
National Weather Service
Tulsa, OK Weather Forecast Office
10159 E 11th Street, Suite 300
Tulsa, OK 74128
nicole.mcgavock@noaa.gov

Mr. James Paul
National Weather Service
Tulsa, OK Weather Forecast Office
10159 E 11th Street Suite 300
Tulsa, OK 74137
james.paul@noaa.gov

Michael Denny
Southwestern Power Administration
1 W 3rd Street, Suite 1500
Tulsa, OK 74103
michael.denny@swpa.gov

William Hiller
Southwestern Power Administration
1 W 3rd Street, Suite 1600
Tulsa OK 74103
william.hiller@swpa.gov

State Agencies:

Dr. Kary Stackelbeck
State Archeologist
Oklahoma Archeological Survey
University of Oklahoma
111 East Chesapeake Street, Room 102
Norman, OK 73019-5111
kstackelbeck@ou.edu

Mr. Scott Mueller
Secretary of Commerce and Workforce
Development
Oklahoma Department of Commerce
900 North Stiles Avenue
Oklahoma City, OK 73104
scott.mueller@okcommerce.gov

Mr. Brooks Tramell
Director of Monitoring, Assessment &
Wetlands
Oklahoma Conservation Commission
2800 North Lincoln Boulevard, Suite 200
Oklahoma City, OK 73105
brooks.tramell@conservation.ok.gov

Ms. Shanon Phillips
Director of Water Quality Division
Oklahoma Conservation Commission
2800 North Lincoln Boulevard, Suite 200
Oklahoma City, OK 73105
shanon.phillips@conservation.ok.gov

Chairman Todd Hiatt
Director of Administration
Oklahoma Corporation Commission
2101 North Lincoln Boulevard
Oklahoma City, OK 73105
contacttoddhiatt@occ.ok.gov
jana.slatton@occ.ok.gov

Mr. Blayne Arthur
Commissioner
Oklahoma Department of Agriculture
Food and Forestry
2800 North Lincoln Boulevard, Suite 100
Oklahoma City, OK 73105
blayne.arthur@ag.ok.gov

Mr. Joe Long
Environmental Programs Manager
Watershed Planning Section
Oklahoma Department of Environmental
Quality
PO Box 1677
Oklahoma City, OK 73101-1677
joe.long@deq.ok.gov

Ms. Elena Jigoulina
Environmental Programs Specialist
Oklahoma Department of Environmental
Quality
PO Box 1677
Oklahoma City, OK 73101-1677
elena.jigoulina@deq.ok.gov

Mark Gower
Oklahoma Office of Emergency
Management
PO Box 53365
Oklahoma City, OK 73152-3365
mark.gower@oem.ok.gov

Commissioner Lance Frye*
Oklahoma Department of Health
1000 NE 10th Street
Oklahoma City, OK 73117

Mr. Tim Gatz
Executive Director
Oklahoma Department of Transportation
200 NE 21st Street
Oklahoma City, OK 73105
tgatz@odot.org

Mr. Jerry Winchester
Executive Director
Oklahoma Tourism and Recreation
Department
900 North Stiles Avenue
Oklahoma City, OK 73104
jerry.winchester@travelOK.com

Ms. Kris Marek
State Parks and Resorts
Oklahoma Tourism and Recreation
Department
900 North Stiles Avenue
Oklahoma City, OK 73104
kris.marek@travelOK.com

Mr. JD Strong
Director
Oklahoma Department of Wildlife
Conservation
PO Box 53465
Oklahoma City, OK 73152
jd.strong@odwc.ok.gov

Mr. Wade Free
Assistant Director
Oklahoma Department of Wildlife
Conservation
PO Box 53465
Oklahoma City, OK 73152
wade.free@odwc.ok.gov

Mr. Josh Johnston
NE Region Fisheries Supervisor
Oklahoma Department of Wildlife
Conservation
PO Box 1201
Jenks, OK 74037
josh.johnston@odwc.ok.gov

Mr. Josh Richardson
Wildlife Biologist
Oklahoma Department of Wildlife
Conservation
PO Box 53465
Oklahoma City, OK 73152
josh.richardson@odwc.ok.gov

Mr. Bill Dinkines
Chief of Wildlife Division
Oklahoma Department of Wildlife
Conservation
PO Box 53465
Oklahoma City, OK 73152
bill.dinkines@odwc.ok.gov

Mr. Brad Johnston
Fisheries Biologist
Oklahoma Department of Wildlife
Conservation
61091 E 120 Road
Miami, OK 74354
brad.johnston@odwc.ok.gov

Mr. Ken Cunningham
Chief of Fisheries
Oklahoma Department of Wildlife
Conservation
PO Box 53465
Oklahoma City, OK 73152
kenneth.cunningham@odwc.ok.gov

Richard Snow
Assistant Chief of Fisheries Division
Oklahoma Department of Wildlife
Conservation
PO Box 53465
Oklahoma City, OK 73152
richard.snow@odwc.ok.gov

Mr. Mike Plunkett
NE Region Wildlife Supervisor
Oklahoma Department of Wildlife
Conservation
9097 N 34th Street West
Porter, OK 74454
mike.plunkett@odwc.ok.gov

Ms. Lynda Ozan
Deputy State Historic Preservation Officer
Oklahoma Historical Society
800 Nazih Zuhdi Drive
Oklahoma City, OK 73105-7917
lynda.ozan@history.ok.gov

Ms. Kristina Wyckoff
Oklahoma Historical Society
800 Nazih Zuhdi Drive
Oklahoma City, OK 73105-7917
kristina.wyckoff@history.ok.gov

Ms. Julie Cunningham
Executive Director
Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
julie.cunningham@owrb.ok.gov

Mr. William Cauthron
Acting Director, Water Quality Division
Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
bill.cauthron@owrb.ok.gov

Ms. Nikki Davis
Staff Secretary, Water Quality Division
Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
nikki.davis@owrb.ok.gov

Mr. Lance Phillips
Environmental Programs Manager
Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
lance.phillips@owrb.ok.gov

Mr. Monty Porter
Section Head, Water Quality Standards
Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
monty.porter@owrb.ok.gov

Mr. Chris Neel
Planning and Management Division
Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
chris.neel@owrb.ok.gov

Harold Thompson
Office of State Fire Marshal
2401 NW 23rd Street, Suite 4
Oklahoma City, OK 73107
harold.thompson@fire.ok.gov

Tribal Organizations:

Jackie Dixon
Executive Director
Inter-Tribal Council Inc.
PO Box 1308
Miami, OK 74355
jdixon@intertribalcouncil.org

Chief Nelson Harjo
Alabama-Quassarte Tribal Town
PO Box 187
Wetumka, OK 74883
nharjo@alabama-quassarte.org

Chairman Bobby Komardley
Apache Tribe of Oklahoma
511 E Colorado
Anadarko, OK 73005

info@apachetribe.org

Chairman Bobby Gonzalez
Caddo Nation of Oklahoma
PO Box 487
Binger, OK 73009

bgonzalez@mycaddonation.com

Mr. Jonathan Rohrer
Caddo Nation of Oklahoma
Tribal Historic Preservation Officer
PO Box 487
Binger, OK 73009

jrohrer@mycaddonation.com

Chief Chuck Hoskin, Jr.
Cherokee Nation
PO Box 948
Tahlequah OK 74465

chuck-hoskin@cherokee.org

Ms. Elizabeth Toombs
Cherokee Nation
Tribal Historic Preservation Officer
PO Box 948
Tahlequah, OK 74465

elizabeth-toombs@cherokee.org

Ms. Deborah Dotson
President
Delaware Nation
PO Box 825
Anadarko, OK 73005

ddotson@delawarenation.com

Katelyn Lucas
Delaware Nation
PO Box 825
Anadarko, OK 73005

klucas@delawarenation-nsn.gov

Dr. Brice Obermeyer
Historic Preservation Office
Delaware Tribe of Indians
1200 Commercial Street
Roosevelt Hall, Room 212
Emporia KS 66801

bobermeyer@delawaretribe.org

Chief Glenna J. Wallace
Eastern Shawnee Tribe of Oklahoma
70500 E 128 Road
Wyandotte, OK 74370

gjwallace@estoo.net

Chairman Edgar B. Kent, Jr.
Iowa Tribe of Oklahoma
335588 E 750 Road
Perkins, OK 74059

ekent@iowanation.org

Ms. Renee Hagler *
Acting Tribal Administrator
Iowa Tribe of Oklahoma
335588 E 750 Road
Perkins, OK 74059

Ms. Kellie Lewis
Acting Tribal Historic Preservation Officer
Kiowa Tribe Office of Historic Preservation
PO Box 369
Carnegie, OK 73015

kellie@tribaladminsivices.org

Ms. Regina Gasco-Bentley
Little Traverse Bay Bands of Odawa Indians
7500 Odawa Circle
Harbor Springs, MI 49740

tribalchair@ltbbodawa-nsn.gov

Chief Douglas G. Lankford
Miami Tribe of Oklahoma
PO Box 1326
Miami, OK 74354

dlankford@miamination.com

Dustin Olds
Second Chief
Miami Tribe of Oklahoma
PO Box 1326
Miami, OK 74354

dolds@miamination.com

Julie Olds
Cultural Resources Officer
Miami Tribe of Oklahoma
PO Box 1326
Miami, OK 74354

jolds@miamination.com

Ms. Robin Lash
General Counsel
Miami Tribe of Oklahoma
PO Box 1326
Miami, OK 74354
rlash@miamination.com

Mr. Joe Halloran
Counsel for Miami Nation
Jacobson Law Group
180 East 5th Street, Suite 940
St. Paul, MN 55101
jhalloran@thejacobsonlawgroup.com

Mr. Phil Mahowald
Jacobson Law Group
180 East 5th Street, Suite 940
St. Paul, MN 55101
pmahowald@thejacobsonlawgroup.com

Mr. Jeff Holth
Jacobson Law Group
180 East 5th Street, Suite 940
St. Paul, MN 55101
jholth@thejacobsonlawgroup.com

Chief Robert Burkybile
Modoc Nation
22 N Eight Tribes Trail
Miami, OK 74354
robert.burkybile@modocnation.com

Gina McGaughey
Second Chief
Modoc Nation
22 N Eight Tribes Trail
Miami, OK 74354
gina.mcgaughey@modocnation.com

Troy Littleaxe
Tribal Attorney
Modoc Nation
22 N Eight Tribes Trail
Miami, OK 74354
troy.littleaxe@modocnation.com

Chief David Hill
Muscogee (Creek) Nation
PO Box 580
Okmulgee, OK 74447
dhill@mcn-nsn.gov

Ms. RaeLynn Butler
Historic and Cultural Preservation
Department, Manager
Muscogee (Creek) Nation
PO Box 580
Okmulgee, OK 74447
raebutler@mcn-nsn.gov

Chief Geoffrey Standing Bear
Osage Nation
627 Grandview Avenue
Pawhuska, OK 74056
gdstandingbear@osagenation-nsn.gov

Dr. Andrea Hunter
Osage Nation Historic Preservation Office
627 Grandview Avenue
Pawhuska, OK 74056
ahunter@osagenation-nsn.gov

Ms. Eden Hemming
Archaeologist
Osage Nation Historic Preservation Office
627 Grandview Avenue
Pawhuska, OK 74056
eden.hemming@osagenation-nsn.gov

Chairman John Shotton
Otoe-Missouria Tribe of Indians
8151 Hwy 177
Red Rock, OK 74651
jshotton@omtribe.org

Ms. Elsie Whitehorn
Tribal Historic Preservation Officer
Otoe-Missouria Tribe of Indians
8151 Hwy 177
Red Rock, OK 74651
ewhitehorn@omtribe.org

Chief Ethel Cook
Ottawa Tribe of Oklahoma
PO Box 110
Miami, OK 74354
cethel.oto@gmail.com

Ms. Rhonda Hayworth
Tribal Historic Preservation Officer
Ottawa Tribe of Oklahoma
PO Box 110
Miami, OK 74354
rhonda.oto@gmail.com

Chief Craig Harper
Peoria Tribe of Oklahoma
118 South Eight Tribes Trail
Miami, OK 74354
chiefharper@peoriatribes.com

Charla EchoHawk
Director of Cultural Preservation
Peoria Tribe of Oklahoma
118 South Eight Tribes Trail
Miami, OK 74354
cechohawk@peoriatribes.com

Chairman Wena Supernaw
Quapaw Tribe of Oklahoma
PO Box 765
Quapaw, OK 74363
wena.supernaw@quapawnation.com

Mr. Everett Bandy
Quapaw Tribe of Oklahoma
PO Box 765
Quapaw, OK 74363
ebandy@quapawnation.com

Chief Justin Wood
Sac and Fox Nation of Oklahoma
920883 S Hwy 99, Building A
Stroud, OK 74079
justinwood@sacandfoxnation-nsn.gov

Chief Charlie Diebold
Seneca-Cayuga Nation
PO Box 453220
Grove, OK 74345-3220
cdiebold@sctribe.com

Mr. William Tarrant
Tribal Historic Preservation Officer
Seneca Cayuga Nation
23701 South 665 Road
Grove, OK 74344
wtarrant@sctribe.com

Richard Schlottke
Seneca Cayuga Nation
23701 S 665 Road
Grove, OK 74344
rschlottke@sctribe.com

Chief Ben Barnes
Shawnee Tribe of Oklahoma
PO Box 189
Miami, OK 74354
chief@shawnee-tribe.com

Ms. Tonya Tipton
Tribal Historic Preservation Officer
Shawnee Tribe of Oklahoma
PO Box 189
Miami, OK 74355
tonya@shawnee-tribe.com

President Russell Martin
Tonkawa Tribe of Oklahoma
1 Rush Buffalo Road
Tonkawa OK 74653
rmartin@tpmlawatribe.com

Chief Joe Bunch
United Keetoowah Band of Cherokees
PO Box 746
Tahlequah, OK 74465
jbunch@ukb-nsn.gov

Director Ernestine Berry
United Keetoowah Band of Cherokees
PO Box 1245
Tahlequah, OK 74465
eberry@ukb-nsn.gov

President Terri Parton
Wichita and Affiliated Tribes
PO Box 729
Anadarko, OK 73005
terri.parton@wichtatribe.com

Mr. Gary McAdams
Tribal Historic Preservation Officer
Wichita and Affiliated Tribes
PO Box 729
Anadarko, OK 73005
gary.mcadams@wichtatribe.com

Chief Billy Friend
Wyandotte Tribe of Oklahoma
64700 East Highway 60
Wyandotte, OK 74370
bfriend@wyandotte-nation.org

Ms. Sherri Clemons
Tribal Historic Preservation Officer
Wyandotte Tribe of Oklahoma
64700 East Highway 60
Wyandotte, OK 74370
sclemons@wyandotte-nation.org

Mr. Norman Hildebrand, Jr.
Second Chief
Wyandotte Nation
64700 East Highway 60
Wyandotte, OK 74370
nhildebrand@wyandotte-nation.org

Mr. Christen Lee
Environmental Director
Wyandotte Nation
64700 East Highway 60
Wyandotte, OK 74370
clee@wyandotte-nation.org

Congressional Delegation:

The Honorable James Lankford
United States Senate
316 Hart Senate Office Building
Washington DC 20510
derek_osburn@lankford.senate.gov

The Honorable Markwayne Mullin
1113 Longworth House Office Building
Washington DC 20515
benjamin.cantrell@mail.house.gov

The Honorable Michael Bergstrom
Oklahoma State Senate, District 1
2300 North Lincoln Boulevard, Room 522
Oklahoma City, OK 73105
michael.bergstrom@oksenate.gov

The Honorable Ally Seifried
Oklahoma State Senate, District 2
2300 North Lincoln Boulevard, Room 417B
Oklahoma City, OK 73105
ally.seifried@oksenate.gov

The Honorable Blake Stephens
Oklahoma State Senate, District 3
2300 North Lincoln Boulevard, Room 325
Oklahoma City, OK 73105
blake.stephens@oksenate.gov

The Honorable Josh West
House of Representatives, District 5
2300 North Lincoln Blvd, Room 242A
Oklahoma City, OK 73105
josh.west@okhouse.gov

The Honorable Rusty Cornwell
House of Representatives, District 6
2300 North Lincoln Boulevard, Room 509
Oklahoma City, OK 73105
rusty.cornwell@okhouse.gov

The Honorable Steve Bashore
House of Representatives, District 7
2300 North Lincoln Boulevard
Oklahoma City, OK 73105
steve.bashore@okhouse.gov

The Honorable Tom Gann
House of Representatives, District 8
2300 North Lincoln Boulevard, Room 500
Oklahoma City, OK 73105
tom.gann@okhouse.gov

The Honorable Kevin Stitt*
Governor of Oklahoma
2300 North Lincoln Boulevard, Suite 212
Oklahoma City, OK 73105
governor@gov.ok.gov

The Honorable Kenneth (Ken) Wagner
Secretary of Energy and Environment
204 North Robison, Suite 1010
Oklahoma City, OK 73102
kenneth.wagner@ee.ok.gov

Other Governmental Entities:

Afton Public Works Authority
PO Box 250
Afton, OK 74331
phyllostoa@att.net

Ms. Debbie Bottoroff
City Manager
City of Grove
104 West 3rd
Grove, OK 74344
dbottoroff@sbcglobal.net

Mayor Bless Parker
City of Miami
PO Box 1288
Miami, OK 74355
bparker@miamiokla.net

Mr. Bo Reese
City Manager
City of Miami
PO Box 1288
Miami, OK 74355
breesee@miamiokla.net

Ms. Barbara S. Jost
Davis Wright Tremaine LLP
1919 Pennsylvania Avenue, NW
Suite 800
Washington, DC 20006-3401
barbarajost@dwt.com

Mr. Craig Gannett
Davis Wright Tremaine LLP
1201 Third Avenue, Suite 2200
Seattle, WA 98101
craiggannett@dwt.com

Shannon O'Neil
Associate
Davis Wright Tremaine LLP
1301 K Street, NW, Suite 500 East
Washington DC 20005
shannononeil@dwt.com

Mr. Walker Stanovsky
Davis Wright Tremaine LLP
1201 Third Avenue, Suite 2200
Seattle, WA 98101
walkerstanovsky@dwt.com

Ms. Amber Prewett
City of Miami
PO Box 1288
Miami, OK 74355
aprewett@miamiokla.net

Police Chief Thomas Anderson
City of Miami
PO Box 1288
Miami, OK 74355
tanderson@miamiokla.net

Kevin Browning
Public Works Director
City of Miami
PO Box 1288
Miami, OK 74355
kbrowning@miamiokla.net

Coo-Y-Yah Museum *
847 Highway 69
South 8th Street
Pryor, OK 74361

Mr. Lowell Walker
Craig County Commissioner
District 1
210 W Delaware Avenue, Suite 106
Vinita, OK 74301
ccd1@junct.com

Mr. Hugh Gordon
Craig County Commissioner
District 2
210 W Delaware Avenue, Suite 106
Vinita, OK 74301
ccd2@ruralinet.net

Mr. Dan Peetom
Craig County Commissioner
District 3
210 W Delaware Avenue, Suite 106
Vinita, OK 74301
ioni.jones_18@yahoo.com

Mr. Morris Bluejacket
Craig County Flood Plain Manager
210 West Delaware, Suite 103
Vinita, OK 74301-4236
ccem@junct.com

Amanda Montgomery
District Conservationist
Craig County Conservation District
235 West Hope Avenue
Vinita, OK 74301-1302
amanda.montgomery@ok.usda.gov

Mr. David Poindexter
Delaware County Commissioner
District 1
2001 Industrial 10 RD
Grove, OK 74344
delcohwy1086@gmail.com

Mr. Jake Callihan
Delaware County Commissioner
District 2
327 South 5th Street
Jay, OK 74346
delbarn2@yahoo.com

Martin Kirk
Delaware County Commissioner
District 3
327 South 5th Street
Jay, OK 74346
delco.d3@gmail.com

Mr. Travis Beesley
Delaware County Floodplain Administrator
PO Drawer 309
429 South 9th Street
Jay, OK 74346-0309
delawarecountyem@yahoo.com

Delaware County Historical Society &
Museum *
538 Krause Street
Jay, OK 74346

Delaware County Conservation District
2749 State Highway 20
Jay, OK 74346
delawareccd@conservation.ok.gov

Eastern Trails Museum
215 West Illinois Avenue
Vinita, OK 74301
etmuseum@junct.com

Ms. Jill Lambert
Ketchum Public Works Authority
PO Box 958
Ketchum, OK 74349
iclaborncpwa@wavelinx.net

Mr. Matt Swift
Mayes County Commissioner
District 1
One Court Place, Suite 140
Pryor, OK 74361
mswift@mayes.okcounties.org

Mr. Darrell Yoder*
Mayes County Commissioner
District 2
One Court Place, Suite 140
Pryor, OK 74361

Mr. Ryan Ball
Mayes County Commissioner
One Court Place, Suite 140
Pryor, OK 74361
rball@mayes.okcounties.org

Mayes County Conservation District
4238 N E 1st
PO Box 36
Pryor, OK 74362
mayesccd@conservation.ok.gov

Mr. Johnny Janzen
Mayes County Floodplain Manager
One Court Place, Suite 140
Pryor, OK 74361
mayescountyem@yahoo.com

Mr. Nick Highsmith
Superintendent
Miami Public Schools
2116 Rockdale Blvd
Miami, OK 74354
nhighsmith@miamips.net

Cindy Morris
President
Miami Regional Chamber of Commerce
11 South Main
Miami, OK 74354
cmorris@miamiokchamber.com

Shannon Duhon
President
Miami Area Economic Development Service
11 S Main Street
Miami OK 74354
sduhon@miami-ok.org

Mr. Brian Estep
Council Member
Ward 1
PO Box 1288
Miami, OK 74355-1288
bestep@miamiokla.net

Mr. Kevin Dunkel
Council Member
Ward 2
PO Box 1288
Miami, OK 74355-1288
kdunkel@miamiokla.net

Mr. Dwain Sundberg
Council Member
Ward 3
PO Box 1288
Miami, OK 74355-1288
dsundbert@miamiokla.net

Brad Williams
Council Member
Ward 4
PO Box 1288
Miami, OK 74355-1288
bwilliams@miamiokla.net

Mr. Chad Holcom
Ottawa County Emergency Management
Certified Floodplain Manager
123 East Central Ave., Suite 103
Miami, OK 74354

Mike Furnas
Ottawa County Commissioner
District #1
102 East Central Avenue, Suite 202
Miami, OK 74354
d1@ottawacounties.org

Mr. Larry McElhany
Ottawa County Commissioner
District #2
61015 E 130 Road
Miami, OK 7434
d2@ottawa.okcounties.org

Mr. Scott Hilton
Ottawa County Commissioner
District #3
1201 Industrial Park Road
PO Box 737
Fairland, OK 74343
d3@ottawa.okcounties.org

Ottawa County Conservation District
630 East Steve Owens Boulevard, Suite 3
Miami, OK 74354-7800
ottawaccd@conservation.ok.gov

Ottawa County Historical Society *
(Dobson Museum)
110 A Street SW
Miami, OK 74354

Mr. Matt Outhier
RWD #3 Delaware County
PO Box 1228
Jay, OK 74346
aquazena@yahoo.com

RWD #3 Mayes County – Disney
PO Box 279
Disney, OK 74340
mayerpwd3@grand.net

Town of Afton *
PO Box 250
Afton, OK 74331

Town of Bernice *
209 S Broadway
Bernice, OK 74331

Town of Disney
PO Box 318
Disney, OK 74340
townofdisney@outlook.com

Mayor Nick Bowers
Town of Fairland
28 N Main Street
Fairland, OK 74343
info@cityoffairland.com
nick.bowers@noec.coop

Town of Ketchum *
PO Box 150
Ketchum, OK 74349

Ms. Melissa Yarbrough
Town of Langley
PO Box 760
Langley, OK 74350
myarbrough@langleyok.org

City of Vinita *
PO Box 329
104 East Illinois Avenue
Vinita, OK 74301

Town of Wyandotte *
212 South Main
Wyandotte, OK 74370
townofwyandotte@yahoo.com

Non-Governmental Organizations:

American Rivers
1101 14th Street NW Suite 1400
Washington DC 20005
akober@americanrivers.org

American Whitewater
PO Box 1540
Cullowhee, NC 28723
info@americanwhitewater.org

Nathan Johnson
Ducks Unlimited
Regional Director
1812 Cinnamon Ridge Road
Edmond, OK 73025
njohnson@ducks.org

Grand Lake Audubon Society *
PO Box 1813
Grove, OK 74345-1813

Mr. Bruce Watson, Squadron Commander
Grand Lake Sail and Power Squadron
31380 S 628 Lane
Grove, OK 74344
lakepappy@gmail.com

Grand Lake Watershed Alliance Foundation
PO Box 451185
Grove, OK 74345-1185
glwafadmin@gmail.com

Ms. Rebecca Jim
Local Environmental Action Demanded Inc.
223 A Street SE
Miami, OK 74354
rjim@neok.com

Christophe Courchesne
Senior Attorney
Environmental Advocacy Clinic
Vermont Law & Graduate School
PO Box 96, 164 Chelsea Street
South Royalton, VT 05068
ccourchesne@vermontlaw.edu

Mr. Mike Fuhr
State Director
The Nature Conservancy
10425 S 82nd E Avenue, Suite 104
Tulsa, OK 73133
mfuhr@tnc.org

Ms. Katie Gillies
Director of Conservation
The Nature Conservancy
10425 S 82nd East Avenue, Suite 104
Tulsa, OK 73133
katie.gillies@tnc.org

Mr. Chris Wood, President
Trout Unlimited
1777 N Kent Street, Suite 100
Arlington, VA 22209
cwood@tu.org

Mr. John Kennington
President
Tulsa Audubon Society
PO Box 330140
Tulsa, OK 74133
johnkennington@gmail.com

Public/Citizens:

Larry Bork
GSEP
515 S. Kansas Ave.
Topeka, KS 66603
gsep@gseplaw.com

Mr. Andy Stewart
Shoreline, LLC
PO Box 6586
Grove, OK 74344
andy@patriciaisland.com

Dr. Robert Nairn
School of Civil Engineering
The University of Oklahoma
202 West Boyd Street, Room 334
Norman, OK 73109-3073
nairn@ou.edu

Dr. Robert Knox
School of Civil Engineering
The University of Oklahoma
202 West Boyd Street, Room 334
Norman, OK 73109-3073
knox@ou.edu

Dr. Randy Kolar
School of Civil Engineering
The University of Oklahoma
202 West Boyd Street, Room 334
Norman, OK 73109-3073
kolar@ou.edu

Oklahoma State University
Burns Hargis, President
107 Whitehurst
Stillwater, OK 74078
debbie.lane@okstate.edu

Mr. Kyle Stafford
President
Northeastern Oklahoma A & M College
200 I Street NE
Miami, OK 74354
kyle.j.stafford@neo.edu

Mr. Mark Rasor
Vice President for Business
200 I Street NE
Miami OK 74354
mrasor@neo.edu

Dr. Keith Martin
Dean, Professor of Biology
Rogers State University
1701 West Will Rogers Boulevard
Claremore, OK 74017
kmartin@rsu.edu

Miami Flood Mitigation Advisory Board *
City of Miami
PO Box 1288
Miami, OK 74355-1288

Rusty Fleming
Executive Director
Grand Lakers United Enterprise
PO Box 1
Langley, OK 74350
grandtimesongrandlake@gmail.com

Mr. Jay Cranke
Director Grand Lake Association
9630 US Highway 59, Suite B
Grove, Oklahoma 74344
jay@glaok.com

Connie King
Executive Vice President
Grove Area Chamber of Commerce
111 W 3rd Street
Grove, OK 74344
connieking.gacc@gmail.com

Amanda Reed
Executive Director
South Grand Lake Area Chamber of Commerce
PO Box 215
Langley, OK 74350
sgrandlakechamber@gmail.com

Oklahoma Association of Realtors *
9807 Broadway Ext
Oklahoma City, OK 73114-6312

Nicole Reynolds
Museum Director
Har-Ber Village *
4404 West 20th Street
Grove, OK 74344
events@har-bervillage.com

Dr. Mark Osborn *
301 2nd Avenue SW
Miami, OK 74354

Mr. Jack Dalrymple *
54297 E 75 Road
Miami, OK 74354

Mr. Mike Williams
Director of Communications & Gov't Relations
Shangri-La Marina
57151 East Highway 125
Afton, OK 74331
mike.williams@shangrilaok.com

Mr. Joe Harwood
Owner
Arrowhead Yacht Club (North & South)
PO Box 600
Ketchum, OK 74349
joeharwood@aol.com

Mr. Jeff Rose
Regional Manager
Safe Harbor Marinas
14785 Preston Road, Suite 975
Dallas, TX 75254
rose@shmarinas.com

Mr. Jerry Cookson
Manager
Cedar Port Marina
PO Box 600
Ketchum, OK 74349
jerry.cookson@cedarport.com

Mr. Todd Elson
Manager
Indian Hills Resort and Marina
PO Box 3747
Bernice, OK 74331
indianhillsok@aol.com

ATTACHMENT A

**Supplementary Analysis No. 1: Hydrologic and Hydraulic Modeling: Fictional Scenarios
in which the U.S. Army Corps of Engineers Fails to Adhere to its Water Control Manual
Until the Peak Inflow Reaches Pensacola Dam**

ATTACHMENT B-1

Grand Lake Sedimentation Study: Revised Updated Study Report (Clean Version)

ATTACHMENT B-2

Grand Lake Sedimentation Study: Revised Updated Study Report (Redlined Version)

ATTACHMENT C

**Response to Requests for Contaminated Sediment Transport Study for the Relicensing
of the Pensacola Hydroelectric Project (FERC No. 1494)**