January 1, 2018 - January 7, 2018

January 2018

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February 2018

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Monday, January 1

Monthly Parking Due (Pay online)

NEW YEARS DAY

Tuesday, January 2

Wednesday, January 3

- **9:00am - 12:00pm Conference room furniture being delivered - work out of the main conference room** (RA's Conference Room) - Glenn, Trey
- **1:00pm - 1:30pm Check-In with RCRD** (RCRD Director's Conference Room) - Glenn, Trey
- **3:00pm - 4:00pm FW: Briefing on ADEM for Regional Administrator in Region 4 (Call in number: 1-855-564-1700, Extension: 1104410, Participant Code:** (b)(6) [redacted] - Minoli, Kevin
- **4:00pm - 4:30pm Pearl River Overview** (RA's Conference Room) - Glenn, Trey

Thursday, January 4

- **11:30am - 12:00pm Monthly Business Review discussion** (RA small conf room) - Glenn, Trey
- **2:00pm - 3:30pm Meeting with Stakeholder** (RA's Conference Room) - Glenn, Trey

Friday, January 5

- **9:45am - 10:15am Call w/ the Office of Rep. Fleischmann** (Call: 1-866-299-3188 Code: (b)(6) [redacted] - Rodrick, Christian
- **10:30am - 11:00am Call with the office of Sen. Corker - Todd Womack**
- **3:00pm - 3:30pm [SPAM-Sender] DRA Implementation Conference Call** (Call-in Number: 1-866-815-7347; Participant: (b)(6) [redacted]) - Mullis, Jay
- **3:30pm - 4:00pm Call with Chattanooga Mayor Andy Berke** (RA Conference Room) - Myers, Bryan

Saturday, January 6

Sunday, January 7

January 8, 2018 - January 14, 2018

January 2018

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February 2018

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Monday, January 8

- **12:00pm - 12:30pm Biweekly Meeting with Directors: Beverly Banister** (RA's Small Conference Room) - Glenn, Trey
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen

Tuesday, January 9

- **8:45am - 9:45am Meeting with Anne, Blake and Brandi** (Trey's Conference Room) - Glenn, Trey
- **1:30pm - 2:00pm Biweekly Meeting with Directors: Franklin Hill (call in 404-562-9997 code** (b)(6) [redacted] (RA's Small Conference) - Glenn, Trey

Wednesday, January 10

- **10:00am - 10:05am Closing Ceremony for CFC** (9th Floor Library) - Glenn, Trey
- **10:00am - 11:00am FYI: Combined Federal Campaign - You Still Have Time to Show You Care!** (R4 Library) - Reese, Tondia
- **12:30pm - 12:50pm Call with Col. Kirk (JAX Corps District) re: Mosaic Fertilizer Mine in Central Florida, Wingate** (Via Phone in the small conference room) - Glenn, Trey
- **1:00pm - 1:30pm Meeting with CID** (RA's Small Conference Room) - Glenn, Trey
- **1:30pm - 2:00pm Daicel - Next Steps** (RA's Conference Room) - Glenn, Trey
- **2:00pm - 2:30pm RA's Video Conferencing Tutorial** (RA's Office) - Hudson, Wanda
- **3:00pm - 3:30pm Quick Superfund Overview** (RA's Conference Room) - Glenn, Trey

Thursday, January 11

Friday, January 12

Saturday, January 13

Sunday, January 14

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
P.O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

REPLY TO
ATTENTION OF

December 28, 2017

Regulatory Division

Mr. Trey Glenn
Regional Administrator
Environmental Protection Agency
Region IV
61 Forsyth Street, SW
Atlanta, GA 30303-3104

Region 4 - RA's Office
JAN - 3 2018
Received

Dear Mr. Glenn:

The U.S. Army Corps of Engineers (Corps) has completed its review and evaluation of Mosaic Fertilizer, LCC's Wingate East phosphate mine located in Manatee County, Florida. The Corps has reviewed the 3(a) and 3(b) letters provided by the Environmental Protection Agency (EPA) dated July 30 and August 23, 2012 for Wingate East. The purpose of this letter is to inform your agency that the Corps intends to issue the permit in accordance with the procedural requirements of the 1992 404(q) Memorandum of Agreement Part IV, 3(c)1.

EPA's 3(a) letter identified three specific issues of concern: avoidance of waters of the U.S. considered to be ecologically significant, the proposed compensatory mitigation, and permit duration. During the development of the Areawide Environmental Impact Statement on phosphate mining (EIS), the Corps worked with EPA and the Florida Department of Environmental Protection to develop a mitigation framework to outline reasonable alternatives for avoidance, minimization, and compensatory mitigation for the four phosphate mine applications considered. The outcome has resulted in the following changes to the project and address the EPA's three issues of concern:

Avoidance of Ecologically Significant Waters: The June 1, 2012, public notice for this project described avoidance of 155 acres (27%) of ecologically significant framework wetlands on site, and 5,196 linear feet (40%) of framework streams. The applicant has substantially minimization impacts to ecologically significant wetlands and streams. The permit requires avoidance of 349 acres (80%) of framework wetlands, and 12,499 linear feet (100%) of framework streams.

Compensatory Mitigation: Section 8 of the draft decision document, and the revised compensatory mitigation plan[1], describe how the applicant will provide compensatory mitigation within the Upper Myakka River subwatershed. The mitigation will preserve, enhance, and establish wetland and stream mitigation areas onsite, and establish two

[1] See Attachment B of the attached draft Record of Decision and Statement of Findings.

adjacent offsite wetland mitigation areas to the east and south. These two offsite parcels include the restoration of 1.5 miles of the upper Myakka River and its riparian corridor by filling in ditched sections of the Myakka River and creating a more naturally-meandering stream channel flanked by bottomland swamp.

Permit Duration: The permit duration has decreased since the project was originally proposed. The applicant's original proposal was for a 34 year permit authorizing 27-28 years of active mining and up to eight years of reclamation and mitigation construction. The permit duration is now 20 years and authorizes active mining (phosphate rock production) at Wingate East for approximately 17 years, with reclamation and wetland mitigation activities taking up to five years[2]. Additionally, the permit special conditions[3] require annual monitoring and reporting on the status of the project, adaptive management to correct problems with mitigation before it fails, alternative mitigation if adaptive management does not work, and five year compliance status reviews with input from EPA and other agencies.

The applicant has provided a mine plan as their preferred alternative that complies with both avoidance and minimization requirements of the Clean Water Act Section 404(b)(1) Guidelines and the EIS mitigation framework.

Based on information provided by the applicant, modifications made to the project, and the addition of additional monitoring, adaptive management, and mitigation requirements, the Corps believes that this project will not result in unacceptable adverse effects to aquatic resources of national importance. The enclosed draft of our Record of Decision and Statement of Findings describes the project and addresses your various concerns. A draft of the permit instrument is also enclosed.

If you have any questions regarding the information in this letter, please feel free to contact me or you may contact Mr. Mark E. Peterson directly at (813) 769-7065 or by e-mail at mark.e.peterson@usace.army.mil.

Sincerely,

Jason A. Kirk, P.E.
Colonel, U.S. Army
District Commander

Enclosures

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[2] See Section 1.4.1 of the attached draft Record of Decision and Statement of Findings.
[3] See Attachment D of the attached draft Record of Decision and Statement of Findings.

Colonel Jason A. Kirk. P.E.
District Commander
Department of the Army
Jacksonville District Corps of Engineers
Attn: Mark Peterson
P.O. Box 4970
Jacksonville, Florida 32232-0019

Subject: Mosaic Wingate East Phosphate Mine (SAJ-2009-03221)

Dear Colonel Kirk:

The U.S. Environmental Protection Agency has reviewed a copy of the above referenced public notice (PN) for Mosaic Phosphate. The applicant proposes to mine a 3,635-acre site that has a total of 940 acres of waters of the United States (WOUS) on site. The proposed project would impact approximately 555 acres of WOUS and 9,313 linear feet of ephemeral streams.

In accordance with the August 1992 Memorandum of Agreement (MOA) between the EPA and the Department of the Army, we have been in communications with the U.S. Army Corps of Engineers on our review of this project. Consistent with this process, we have received the draft permit and Statement of Findings for the above referenced project provided by your office by letter dated December 28, 2017, which we received on January 3, 2018. The EPA will not request a higher level of review for this project under Part IV, paragraph 3(d)(1) of the MOA.

The EPA appreciates the opportunity to comment on this project. We request that once a final permit action is taken, a copy of that action be sent to the EPA, Region 4 office. If you have any questions, please feel free to contact me or have someone from your staff contact Mr. Duncan Powell of my staff at (404)562-9258 or powell.duncan@epa.gov.

Sincerely,

Trey Glenn
Regional Administrator

Mancusi-Ungaro _____, Able _____, Fowler _____, McGill _____,

Marcus_____, Walker _____, Adm Review_____, Glenn _____

G:/OWSPB/2018 Routing Correspondence/SAJ-2009-03221, Mosaic Wingate East.3(d)(1).dmp

CWA Section 404 Permit Review of the Mosaic Wingate East Phosphate Mine – 01/08/18

ISSUE: Pursuant to the EPA/Corps 404(q) Memorandum of Agreement (MOA), Part IV 3(c), the Jacksonville District of the Army Corps of Engineers has provided the EPA with a draft CWA Section 404 Permit and supplemental information dated December 28, 2017, for the Mosaic Wingate East Phosphate Mine. The Wingate East Mine is one of four primary areas of land in central Florida owned by Mosaic, Inc., that was subject to an Area-wide National Environmental Policy Act (NEPA) review. In 2016, the EPA had successfully worked with Mosaic and the Corps through the complex NEPA and 404 issues for one of the four mining parcels, the South Pasture Extension. Applying a similar approach, the "c" letter and attachments for the Wingate East mine sufficiently addresses EPA's comments from our CWA 404(q) "a" and "b" letters. WPD staff are routing a "d" letter that will notify the Corps that we will not elevate our review to the Office of Water. In accordance with the 404(q) MOA, the EPA is required to issue the "d" letter by January 18, 2018.

BACKGROUND:

In 2012, the Corps issued a draft area-wide Environmental Impact Statement (EIS) and the draft section 404 public notice regarding the four parcels proposed for phosphate mining by Mosaic, which comprised 159 square miles.

The EPA issued "a" and "b" letters to the Corps, respectively in July and August of 2012, pursuant to the 404(q) MOA describing concerns about permit duration, avoidance of aquatic resources of national importance (ARNI), and an adequate compensatory mitigation plan for all four areas of land.

Following significant coordination and work between the EPA, Mosaic and the Corps throughout 2012 and 2013, the Corps completed the area-wide EIS for the four Mosaic mining parcels that establishes direction for central Florida phosphate mining going forward.

Based on continued coordination between the EPA, the Corps, Mosaic, and other stakeholders, significant improvements to the current Wingate East project have been made:

- Decrease in the proposed timeframe for construction of active mining from 34 years to 17 years.
- Avoidance of an additional 245 acres of wetlands and an additional 7,303 linear feet of intermittent and perennial stream impacts.
- Reduction of the number of clay settling ponds from 2 to 1.
- Development of a draft compensatory mitigation plan dated November 2017.

STATUS AND NEXT STEPS:

EPA Region 4 staff believe the comments from the EPA's "a" and "b" letters have been sufficiently addressed by Mosaic and the Corps.

Under the Section 404(q) MOA Part IV Paragraph 3(d), the EPA's written response to the Jacksonville District is due within 15 days (i.e., by January 18, 2018) of receipt of the Corp's "c" letter.

A "d" letter to the District (Colonel Kirk) is in routing for the RA's signature and includes a statement that the EPA will not be seeking elevation of this permit to headquarters.

CONTACT: Duncan Powell, Water Protection Division, 404-562-9258

January 15, 2018 - January 21, 2018

January 2018

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February 2018

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Monday, January 15

- **6:00pm HOLD for All Day Meeting** (Dallas, TX) - Wagner, Kenneth →
- **1:00pm - 1:30pm Biweekly Meeting with Directors: Vickie Tellis (SESD)** (RA's Small Conference Room) - Glenn, Trey

Tuesday, January 16

- ← **6:00pm HOLD for All Day Meeting** (Dallas, TX) - Wagner, Kenneth
- **10:00am - 6:45pm RA Forum Meeting Agenda** (Dallas Love Field Conference Center @ the Terminal in Love Field (transportation wll be provided))

Wednesday, January 17

- **11:00am - 12:00pm LEAN CHALLENGE AND FAIR** (SNAFC BRIDGE - POC: Abe Morell) - Glenn, Trey
- **11:00am - 12:00pm FW: Region 4 Fiscal Year 2018 Continuous Improvement Fair** (SNAFC Bridge Conference Room) - Morrall, Abraham
- **11:45am - 12:00pm Whiskey Barns Discussion** (Patrick can be reached at (202) 809-8796) - Traylor, Patrick
- **12:00pm - 3:00pm Regional Monthly Review (Agenda and additional information has been added)** (RA's Conference Room) - Glenn, Trey

Thursday, January 18

- **9:30am - 10:00am Meeting with Staff: Reorganization Recommendations** (RA's Conference Room or 404-562-9997; (b)(6) Glenn, Trey
- **12:00pm - 12:30pm**
- **2:00pm - 3:00pm EPCRA/CERCLA Outreach with NASDA & ECOS Members (Call in 833-679-7657, Conference ID** (b)(6) (WJCN 3330 (OARM Conference Room)) - Nitsch, Chad
- **3:00pm - 3:45pm Meeting: OCR 101 Call in Number (866) 299-3188 Code:** (b)(6) (RA's Conference Room (Presentation & Calendar Attached)) - Glenn, Trey

Friday, January 19

- **9:00am - 9:45am Muni CD's & SSO/CSO Briefing** (RA's Conference Room) - Glenn, Trey
- **10:00am - 10:10am Call Dr. Berry H. (Nick) Tew (AL) - Oil and Gas Round Table follow up** (205.247.3679) - Glenn, Trey
- **10:10am - 10:20am Call Lance LeFleur - Oil and Gas Round Table follow up** (334.271.7710) - Glenn, Trey
- **10:20am - 10:30am Call Lisa Ivshin (MS) - Oil and Gas Board Round Table Follow Up** (601.576.4920) - Glenn, Trey
- **10:30am - 10:40am Call Gary Rikard - Oil and Gas Board Round Table Follow Up** (601.961.5000) - Glenn, Trey
- **10:40am - 10:50am Call John Small (KY) - Oil and Gas Board Round Table Follow Up** (502.564.7177) - Glenn, Trey
- **10:50am - 11:00am Call Aaron Keatley - Oil and Gas Board Round Table Follow Up** (502.564.2150) - Glenn, Trey
- **4:15pm - 4:45pm Shutdown Update** (RA's Conference Room or

Saturday, January 20

Sunday, January 21

Regional Administrators Forum
Dallas, Texas
January 15-16, 2018

Additional Region 4 Staff:

Name	Telephone #	Transportation
Brandi Jenkins	(404) 702-9239	Public transportation @ $35.00 daily

Monday, January 15, 2018

FLIGHT:

Leave: Birmingham (out of Birmingham-Shuttlesworth) via Southwest 6204 at 12:55 pm (CST)
Arrive: Dallas, Texas at 2:50 pm (CST)
Seat: Not pre-assigned
Confirmation Number: Q7YRLZ

Hotel:

The Dallas Highland
530 E. Mockingbird Lane
Dallas, Texas 75206
Phone: (214) 520-7969
Check-in: Monday, January 15th after 3 pm
Check-out: Tuesday, January 16th Noon
1 King Deluxe
Confirmation Number: 3412894829

M&IE

1/15/2018	$48.00	1/16/2018	$48.00

Dinner:
7 :00 pm

Lakewood Meso Maya
4123 Abrams Road Dallas, Texas 75214
(469) 998-1182

Regional Administrators Forum
Dallas, Texas
January 15-16, 2018

Tuesday, January 16, 2018

9:00 am – 5:45 pm

RA Forum
Dallas Love Field
Flight Deck Conference Center
8008 Herb Kelleher Way
Dallas, TX 75234
In the Bravo Room

NOTE: Breakdown of agenda is on your calendar

FLIGHT:

Leave: Dallas (out of Dallas Love Field) via Southwest 5775 at 7:50 pm (CST)
Arrive: Birmingham, Alabama at 9:20 pm (CST)
Seat: Not pre-assigned
Confirmation Number: Q7YRLZ

For flight changes contact:
BCD Travel: (866) 964-1346
Agency Record Locator ZP3NH0
$34.50 per change

For all other travel issue contact:
EPA Travel (513) 487-2346

United States Environmental Protection Agency

Office of Land and Emergency Management

520-F-17-001
January 2018
www.epa.gov/animalwaste

CERCLA and EPCRA Reporting Requirements for Air Releases of Hazardous Substances from Animal Waste at Farms

Overview

Two environmental laws, the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Emergency Planning and Community Right-to-Know Act (EPCRA), require reporting releases of a hazardous substance that exceeds a reportable quantity within a 24-hour period. The purpose of the notification is for federal, state, and local officials to evaluate the need for an emergency response to mitigate the effects of the release to the community.

Due to a recent court decision, some farms (including ranches, livestock operations and/or animal operations) will soon be required to report hazardous substance air releases from animal waste under CERCLA.

Why do I need to report?

Previously, EPA exempted farms from reporting hazardous substance air releases from animal waste under CERCLA, and only large concentrated animal feeding operations (CAFOs) were subject to EPCRA reporting, which is a separate but related law.

Citizen groups challenged the validity of EPA's rule, and the U.S. Court of Appeals for the DC Circuit struck down EPA's rule on April 11, 2017. Therefore, EPA's regulatory exemption no longer applies.

As a result of the Court decision, farms with animal operations that release certain amounts of hazardous substances will be required to report these air emissions as early as January 22, 2018.

When do I need to report?

The Court is expected to issue its order on January 22, 2018. Farms do not have to report until the Court issues its mandate.

Do I need to submit a CERCLA report?

Reporting is required when releases of hazardous substances (like ammonia or hydrogen sulfide) from animal waste meet or exceed their reportable quantities within a 24-hour period. For a complete list of CERCLA hazardous substances, please see the Resources link at: www.epa.gov/animalwaste.

What substances need to be reported?

Ammonia (NH_3) and hydrogen sulfide (H_2S) are common hazardous substances emitted from animal waste that require reporting if released to the air in amounts greater than or equal to their reportable quantity of 100 lbs within a 24-hour period. If a farm releases any other hazardous substances above their designated reportable quantities within a 24-hour period, those need to be reported as well.

How do I estimate releases?

To help you comply with the reporting requirements, EPA has made resources available on its website that may be helpful in estimating emissions. You may also use other models for estimating emissions or you may estimate quantities of releases by relying on:

- Past release data;
- Engineering estimates;
- Your knowledge of the facility's operations and release history; or
- Your best professional judgment.

Why Can't EPA Tell Me How Many Animals Require Reporting?

EPA recognizes it will be challenging for farmers to estimate releases because there is no generally accepted methodology for estimating these emissions at this time.

Many factors influence emissions:

- geographic location;
- environmental conditions;
- management practices (e.g. feed, manure);
- animal characteristics (e.g. number, species, life stage);
- operating conditions; and
- general management practices.

Due to the complex interactions of these factors, emissions cannot be standardized based solely on the number and type of animals at each animal operation. For example, there are many scenarios when operations with fewer animals will have higher emissions than operations with greater numbers of the same species of animals.

EPA is working on developing methodologies to estimate emissions from a wide variety of operations and thus better inform emission estimates from animal waste. However, that work will not be completed prior to the Court's mandate that farms report.

Facility owners and operators are required to report an estimate only-monitoring data is not required. Additionally, farmers are not required to reduce emissions. Farmers should keep a copy of the calculation for future reference. For more information, please see the Resources link at: www.epa.gov/animalwaste.

How do I report for CERCLA?

To comply with CERCLA reporting requirements for air releases of hazardous substances from animal waste, instead of reporting every day, farms may follow a streamlined reporting process known as "continuous release reporting." This requires the facility owner or operator to follow the steps outlined in the column to the right.

How often do I need to estimate emissions?

If you use the continuous release reporting process, you need to review emissions from the farm once a year. You'll also need to estimate emissions following any significant changes in operations that may result in statistically significant increases in emissions.

Do I need to submit an EPCRA report?

EPA interprets the statute to exclude farms that use substances in "routine agricultural operations" from reporting under EPCRA section 304. This encompasses routine operations at farms, animal feeding operations, nurseries, other horticultural operations, and aquaculture. For more information, see: www.epa.gov/epcra/question-and-answer-epcra-reporting-requirements-air-releases-hazardous-substances-animal.

Do farms that have animals that reside primarily outside of an enclosed structure and graze on pastures, need to comply with reporting releases of hazardous substances from animal wastes under CERCLA?

Yes, if the facility has releases above the reportable quantity. EPA considers all contiguous property under common ownership to be a single facility for reporting purposes. For purposes of determining whether you have a reportable release, a person must identify all of the sources of hazardous substances releases, identify the quantities that are emitted from each source, and add up the quantities released for the facility. In making this determination, farms should include all releases from the facility, including releases from animal waste due to animals that reside primarily outside of an enclosed structure.

Additional Resources

- Email comments or suggestions on guidance materials to: CERCLA103.guidance@epa.gov
- Regional Contacts: www.epa.gov/epcra/cr-erns-regional-contacts
- Continuous Release Reporting Forms: www.epa.gov/animalwaste
- National Response Center: 800-424-8802 or farms@uscg.mil

CERCLA Continuous Release Reporting Process

Step 1: Provide the National Response Center (NRC) with an initial continuous release notification by email (farms@uscg.mil) or by phone (1-800-424-8802). An owner or operator can send one email notification for multiple farms.

Your email should identify that this is an initial continuous release notification and include:

- Name of the farm
- Location of the farm (e.g., name of city/town and state)
- Name(s) of the hazardous substance(s) released (ammonia and/or hydrogen sulfide)

Note: The NRC does not require personally identifiable information, such as an address for a private residence. A generic location (name of city/town and state) may be sufficient.

You will receive an email from the NRC with a single identification number (CR-ERNS) for your farms(s). Include the CR-ERNS number on the follow-up report discussed in Step 2.

Step 2: Within 30 days of the NRC notification, submit an initial written notification to the EPA Regional Office for the area where the release occurs (see www.epa.gov/epcra/cr-erns-regional-contacts). Use the Continuous Release Reporting Form.

Step 3: Submit a one-time first anniversary follow-up report to the EPA Regional Office.

If there are significant changes at your operation that could result in a change in emissions, additional reporting may be necessary.

Questions?

- See the CERCLA and EPCRA guidance for more information: www.epa.gov/animalwaste
- Call the EPCRA, RMP & Oil Information Center at: 1-800-424-9346

United States Environmental Protection Agency

Oficina de Administración de Tierras y Emergencias

520-F-17-001
Enero 2018
www.epa.gov/animalwaste

Requisitos de reportes para emisiones al aire de sustancias peligrosas provenientes de desechos animales en las granjas conforme a CERCLA y EPCRA

Generalidades

Hay dos leyes ambientales, la Ley de Responsabilidad, Compensación y Respuesta Ambiental Comprensiva (CERCLA, por sus siglas en inglés) y la Ley de Planificación para Emergencias y Derecho a Saber de la Comunidad (EPCRA, por sus siglas en inglés) que exigen reportar emisiones de una sustancia peligrosa que exceda una cantidad reportable en un periodo de 24 horas. El propósito de la notificación es para que los funcionarios federales, estatales y locales evalúen la necesidad de una respuesta de emergencia a fin de mitigar los efectos de la emisión a la comunidad.

Debido a una decisión judicial reciente, pronto se les exigirá a algunas granjas (incluidos ranchos, operaciones ganaderas y/u operaciones animales) reportar las emisiones al aire de sustancias peligrosas provenientes de desechos animales según CERCLA.

¿Por qué debo reportar?

Anteriormente, la EPA eximía a las granjas de reportar emisiones al aire de sustancias peligrosas provenientes de desechos animales según CERCLA, y solo las operaciones concentradas de gran envergadura para alimentar animales (CAFO, por sus siglas en inglés) estaban sujetas a reportes conforme a EPCRA, que es una ley separada pero relacionada.

Hubo grupos de ciudadanos que objetaron la validez de la regla de la EPA, y la Corte de Apelaciones de los EE. UU. correspondiente al Circuito DC anuló dicha regla de la EPA el 11 de abril de 2017. Por lo tanto, ya no es aplicable la exención reglamentaria de la EPA.

A causa de la decisión judicial, se exigirá a las granjas con operaciones animales que emiten ciertas cantidades de sustancias peligrosas que reporten estas emisiones al aire incluso a partir del 22 de enero de 2018.

¿Cuándo tengo que reportar?

Se espera que se emita la orden judicial el 22 de enero de 2018. Las granjas no deben reportar hasta que se emita la orden judicial.

¿Debo presentar un informe de CERCLA?

Se exige reportar cuando las emisiones de sustancias peligrosas (como amoníaco o sulfuro de hidrógeno) provenientes de desechos animales alcancen o excedan sus cantidades reportables dentro de un periodo de 24 horas. Para ver una lista completa de sustancias peligrosas conforme a CERCLA, consulte el enlace de Recursos en inglés en: www.epa.gov/animalwaste.

¿Qué sustancias se deben reportar?

El amoníaco (NH_3) y el sulfuro de hidrógeno (H_2S) son sustancias peligrosas comunes emitidas por los desechos animales que se exige reportar si se emiten al aire en cantidades que superen o igualen la cantidad reportable de 100 lbs dentro de un periodo de 24 horas. Si una granja emite cualquier otra sustancia peligrosa sobre sus cantidades reportables designadas dentro de un periodo de 24 horas, deben reportarse aquellas también.

¿Cómo estimo las emisiones?

¿Por qué no puede la EPA decirme cuántos animales se requiere reportar?

La EPA reconoce que será difícil para los agricultores estimar las emisiones porque no hay una metodología generalmente aceptada para estimar estas emisiones en este momento.

Hay muchos factores que influyen en las emisiones:

- ubicación geográfica;
- condiciones ambientales;
- prácticas administrativas (por ej, forraje, guano);
- características de los animales (por ej. número, especie, etapa de vida);
- condiciones operativas; y
- prácticas generales de gestión.

Debido a las interacciones complejas de estos factores, no pueden estandarizarse las emisiones basándose exclusivamente en el número y tipo de animales que haya en cada operación animal. Por ejemplo, hay muchas situaciones donde las operaciones con menos animales tienen mayores emisiones que las operaciones con mayor número de la misma especie animal.

La EPA está trabajando para desarrollar metodologías destinadas a estimar las emisiones de una amplia variedad de operaciones para así informar mejor sobre estimar emisiones provenientes de desechos animales. Sin embargo, no se terminará dicha labor antes del mandato judicial para que los agricultores reporten.

Para asistir a los agricultores con los requisitos de reportar, la EPA ha puesto recursos a disposición en su sitio web que pueden ser útiles para estimar las emisiones. También puede usar otros modelos para estimar emisiones o puede estimar cantidades de emisiones basándose en:

- Datos anteriores de emisiones;
- Estimados de ingeniería;
- Su conocimiento de las operaciones de la instalación y el historial de emisiones; o
- Su óptimo criterio profesional.

Se exige a los propietarios y operadores de instalaciones reportar solo un estimado; no se requieren datos de monitoreo. Además, no se exige a los agricultores reducir las emisiones. Los agricultores deben conservar una copia de los cálculos para referencia futura. Para obtener más información, vea el enlace de Recursos en: www.epa.gov/animalwaste.

¿Cómo reporto según CERCLA?

Para cumplir con los requisitos de reportes de CERCLA en cuanto a emisiones al aire de sustancias peligrosas provenientes de desechos animales, en vez de reportar todos los días, las granjas pueden seguir un proceso simplificado de reportes que se conoce como "reportes de emisiones continuas". Esto exige que el propietario u operador de la instalación siga los pasos descritos en la columna a la derecha.

¿Con qué frecuencia debo estimar las emisiones?

Si usted usa el proceso de reportes de emisiones continuas, debe revisar las emisiones de la grande una vez al año. También deberá estimar las emisiones después de que haya cambios considerables en las operaciones que puedan causar aumentos estadísticamente significativos en las emisiones.

¿Debo presentar un informe según EPCRA?

La EPA interpreta la ley como que excluye a las granjas que usan sustancias en "operaciones agrícolas de rutina" de los reportes según la sección 304 de la EPCRA. Esto abarca operaciones de rutina en las granjas, operaciones de alimentación de animales, criaderos de plantas, otras operaciones de horticultura y acuicultura. Para obtener más información, vea: www.epa.gov/epcra/question-and-answer-epcra-reporting-requirements-air-releases-hazardous-substances-animal.

¿Deben cumplir las granjas que tienen animales mantenidos principalmente fuera de una estructura cerrada y pastando en pastizales, con reportar emisiones de sustancias peligrosas provenientes de desechos animales conforme a CERCLA?

Sí, en caso de que la instalación tenga emisiones sobre la cantidad reportable. La EPA considera toda propiedad contigua con propietario común como instalación única para fines de reportar. Con el objeto de determinar si tiene una emisión reportable, una persona debe identificar todas las fuentes de emisiones de sustancias peligrosas, identificar las cantidades

Proceso de reportes de emisiones continuas según CERCLA

Paso 1: Proporcione al Centro Nacional de Respuesta (National Response Center, NRC, por sus siglas en inglés) una notificación inicial de emisiones continuas por correo electrónico (farms@uscg.mil) o por teléfono (1-800-424-8802). Un propietario u operador puede enviar una notificación por correo electrónico abarcando múltiples granjas.

Su mensaje de correo electrónico debe identificar que esta es una notificación inicial de emisiones continuas e incluir:

- Nombre de la granja
- Ubicación de la granja (por ej., nombre de la ciudad/pueblo y estado)
- Nombre(s) de la(s) sustancia(s) peligrosa(s) emitida (s) (amoníaco y/o sulfuro de hidrógeno)

Nota: El NRC no exige información personalmente identificable, como la dirección de una residencia privada. Una ubicación genérica (nombre de la ciudad/pueblo y estado) puede ser suficiente.

Recibirá un mensaje de correo electrónico del NRC con un solo número de identificación (CR-ERNS) para su(s) granja(s). Incluya el número de CR-ERNS en el informe de seguimiento mencionado en el Paso 2.

Paso 2: Dentro de un plazo de 30 días de la notificación al NRC, presente una notificación inicial por escrito a la Oficina Regional de la EPA correspondiente al área donde ocurre la emisión (vea www.epa.gov/epcra/cr-erns-regional-contacts). Use el Formulario de reportes de emisiones continuas.

Paso 3: Presente una sola vez un informe de seguimiento en el primer aniversario a la Oficina Regional de la EPA.

que se emiten de cada fuente y sumar las cantidades emitidas de la instalación. Al hacer esta determinación, las granjas deben incluir todas las emisiones de la instalación, incluso emisiones de desechos animales provenientes de animales que se mantienen principalmente fuera de una estructura cerrada.

Recursos adicionales

- Envíe por correo electrónico comentarios o sugerencias sobre materiales de orientación a: CERCLA103.guidance@epa.gov
- Contactos regionales: www.epa.gov/epcra/cr-erns-regional-contacts
- Formularios de reportes de emisiones continuas: www.epa.gov/animalwaste
- Centro Nacional de Respuesta: 800-424-8802 o farms@uscg.mil

¿Tiene alguna pregunta?

- Vea la orientación de CERCLA y EPCRA para obtener más información en inglés: www.epa.gov/animalwaste
- Llame al Centro de Información sobre EPCRA, RMP y Petróleo al: 1-800-424-9346

Office of Civil Rights (OCR)

Kenneth Lapierre – Deputy Civil Rights Official
Veronica Robertson – Acting Regional Civil Rights Officer
Renee Wootson – Program Analyst

January 18, 2018

I AM ***Dive sity!***

Office of Civil Rights

Serves as the principal advisor to the Regional Administrator, Deputy Regional Administrator, Assistant Regional Administrator, the RA's staff, and the operating divisions on matters relating to the regional civil rights and diversity/inclusion programs.

OCR's Four Main Components

Who Are We?

- Process informal EEO discrimination complaints
- Coordinate workplace Mediation
- Provide consultative Diversity services to management and staff
- Develop and implement EEO and Diversity training
- Provide EEO Policy and Guidance
- Host Special Observance activities
- Ensure external Civil Rights compliance for financial recipients – Title VI
- Management Directive (MD-715)

Diversity and Inclusion

Diversity is the full range of human and/or organization similarities and differences.

Everyone is Unique

Inclusion is the process of leveraging the power of diversity to achieve a common goal or objective.

Everyone is *Valued*

- Diversity Learning Series
- Special Emphasis Programs
- Consultation and Facilitation
- Diversity Day
- Diversity & Inclusion Training

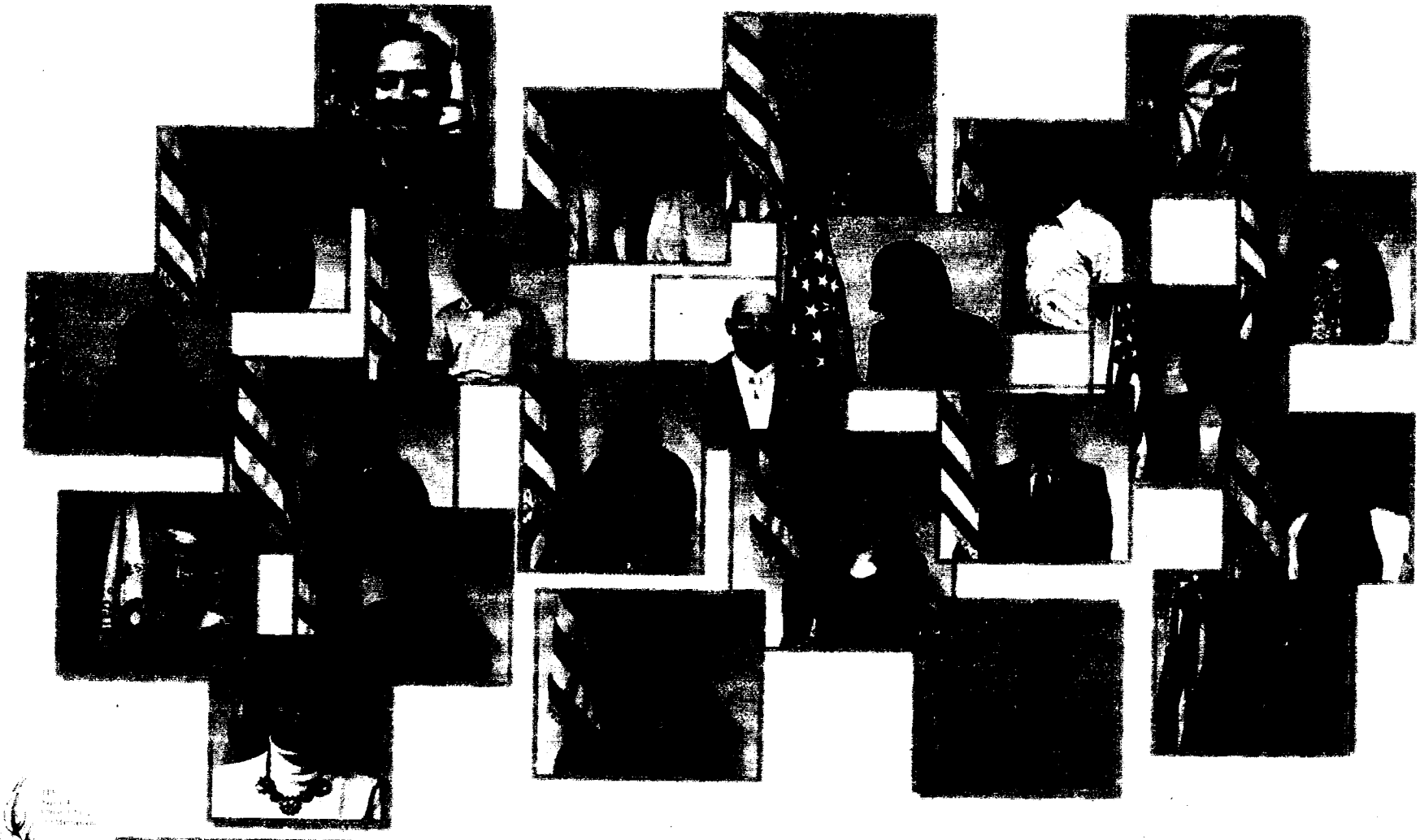
Special Emphasis (SEP) Programs

Special Emphasis Program Managers (SEPMs) help to promote diversity initiatives and provide advice and guidance to management concerning employment and advancement opportunities for the selected constituent group(s). Analyze policies, practices and procedures which may present barriers to the hiring, advancement and retention of target group.

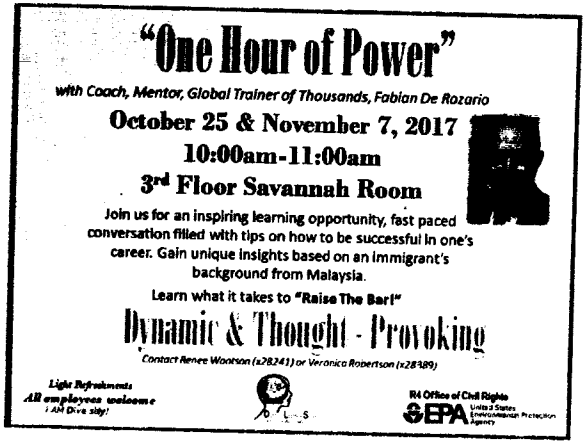
11 *Special Emphasis Programs*

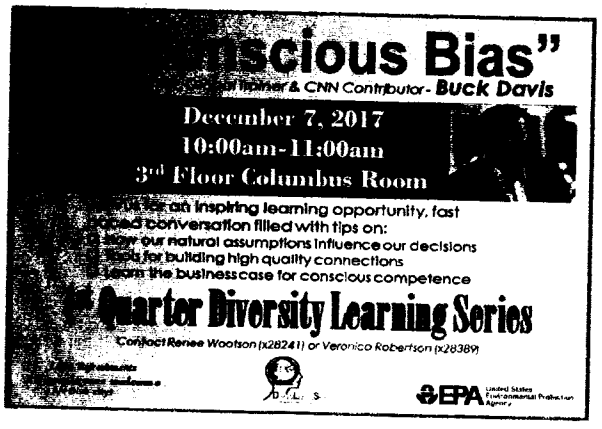
1. American Indian/Alaskan Native
2. Asian American and Pacific Islander Employment Program
3. Black Employment Program
4. Experienced Federal Workers Employment Program
5. Lesbian, Gay, Bisexual and Transgender Employment Program
6. Federal Women's Employment Program
7. Women in Science & Engineering Employment Program
8. Professional Administrative Council for Excellence
9. Hispanic Employment Program
10. Persons with Disabilities Employment Program
11. Veterans Employment Program

SEPMs and Executive Champions



Diversity and Civil Rights Training





The Office of Civil Rights oversees and implements regional Civil Rights and Diversity Training.

- Offerings are provided throughout the Fiscal Year
- Offer quarterly Diversity Learning Series
- No FEAR Training *(available through Skillport)*
  - ✓ALL **New** Employees must take within **90 days** of employment.
  - ✓Required **ALL** employees to complete **2 years**.

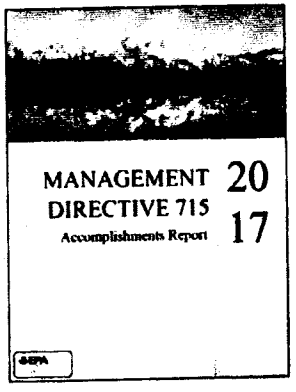
Affirmative Employment

The Office of Civil Rights provides policy, guidance and standards for establishing and maintaining effective affirmative and equal employment opportunity programs. Annually, Agencies are required to conduct ongoing assessments ***and*** eliminate barriers that impede free and open competition in the workplace per the Equal Employment Opportunity Commission (EEOC).

How we do this:

- Collect and analyze employee demographics including Age, Race, National Origin, Gender, Disability. Other **non-merit** factors include sexual orientation, veteran status, education as well as tracking of Peace Corps hires.

- Management Directive (MD-715) Annual Accomplishments Report
  - Barrier Analysis / Workforce Demographics



Priorities and Barriers

National and Regional Priorities:

- Focus on Career Development
- Increase Schedule A Hiring
- Expand the use of Hiring Panels

Regional Barriers:

- Targeted Disabilities below the 2% national goal
- Less than expected participation rates for Hispanic Males and Females
- A Glass Ceiling exists for Asian and Pacific Islander males at the GS 13 level

Regional Barriers

Civilian Labor Force (CLF) – *Persons 16 years of age and over within the workforce; except those who are unemployed or in the armed forces.*

Targeted Disabilities – *benchmark of 2% is not based on the CLF but instead the federal goal established pursuant to Executive Order 13548- Increasing Federal Employment of Individuals with Disabilities. The federal goal is 2% of the total workforce population.*

Race/National Origin, Veteran and Targeted Disability Status	CLF	R4 *As of 12/23/2017*	
	%	#	%
Veteran	7.00%	104	11.80%
Targeted Disabilities	2.00%	11	1.25%
American Indian/Alaska Native	0.60%	3	0.30%
Asian	4.80%	33	3.80%
Black	11.30%	296	33.60%
Hawaiian/Pacific Islander	0.20%	0	0.00%
White	67.00%	493	56.00%
More than 1 Race	1.50%	11	1.30%
Hispanic	14.60%	44	5.00%
Regional Total:	**100%**	**880**	**100%**
LGBT	Government 2017 EVS 3%	EPA 2017 EVS 4.28%	

Data sources: *Workforce - Federal Personnel Payroll System; EPA LGBT – Annual Employee Viewpoint Survey (EVS)*

Title VII

- Informal Intake Process
- EEO Counseling
- ADR Mediation

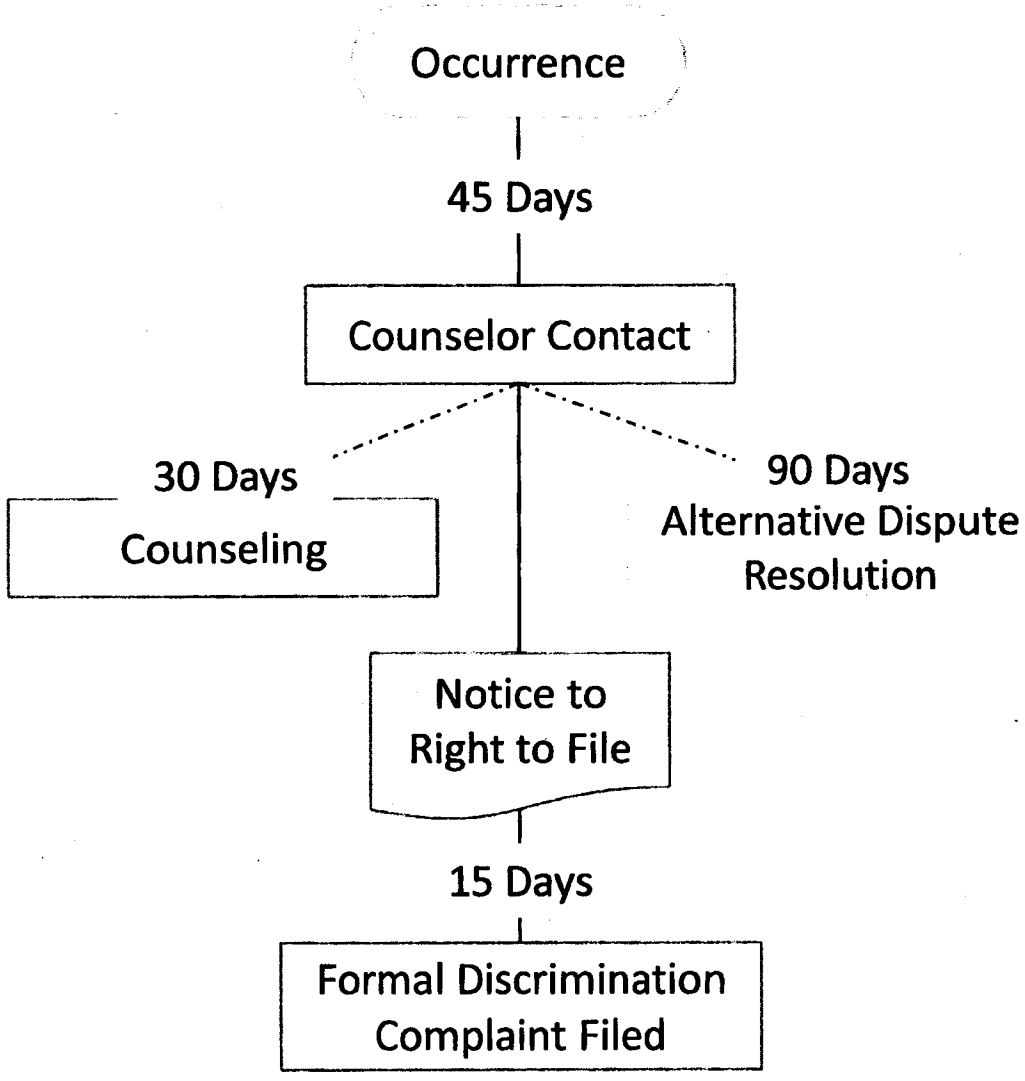
An Environmental Protection Agency employee or applicant for federal employment may invoke an Equal Employment Opportunity (EEO) complaint if he/she believes they have been discriminated against based on one or more of these factors:

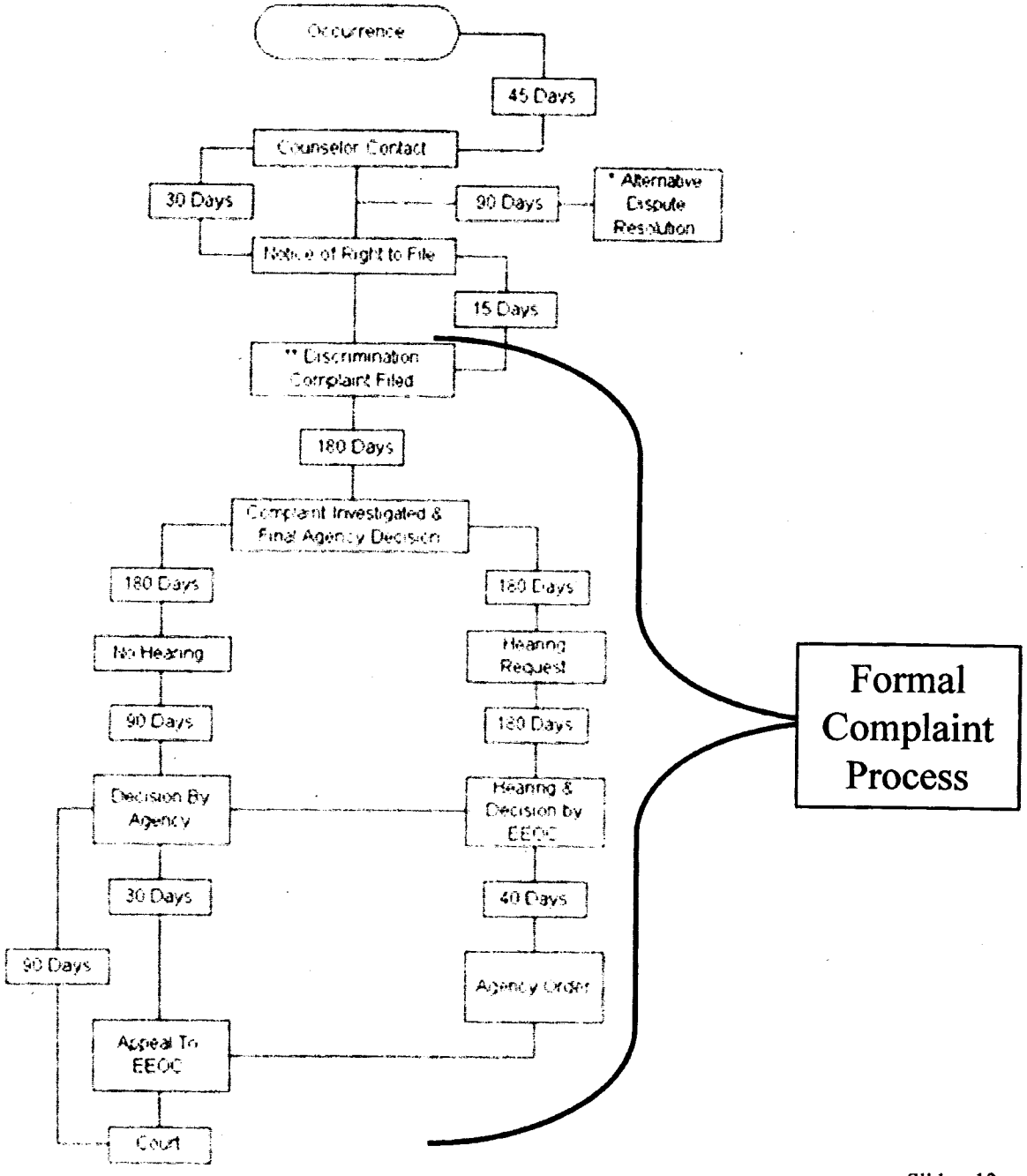
- Race
- Color
- Sex (including Sexual Harassment)
- Religion
- National Origin
- Age (40 or over)
- Disability (Physical or Mental)
- Sexual Orientation
- Parental Status
- Genetic Information
- Pregnancy
- Retaliation

2017 Region 4 Complaint data

EEO Complaints accepted	**6**
EEO Complainants counseled	**5**
Complainants used ADR/Mediation	**1**
EEO Contacts (not filed)	**3**

Note: Employees must contact OCR within **45 days** of the incident.


Occurrence
45 Days
Counselor Contact
30 Days
Counseling
90 Days
Alternative Dispute Resolution
Notice to Right to File
15 Days
Formal Discrimination Complaint Filed


Occurrence
45 Days
Counselor Contact
30 Days
90 Days
* Alternative Dispute Resolution
Notice of Right to File
15 Days
** Discrimination Complaint Filed
180 Days
Complaint Investigated & Final Agency Decision
180 Days
No Hearing
90 Days
Decision By Agency
30 Days
90 Days
Appeal To EEOC
Court
180 Days
Hearing Request
180 Days
Hearing & Decision by EEOC
40 Days
Agency Order
Formal Complaint Process

Title VI

External Complaints and Compliance of discrimination by applicants / recipients of financial assistance from EPA.

- Communicate and support HQs Office of External Compliance
- Review 4700-4 Forms
- Provide written review to Office of Grants
- Participate on National and Regional meetings/calls

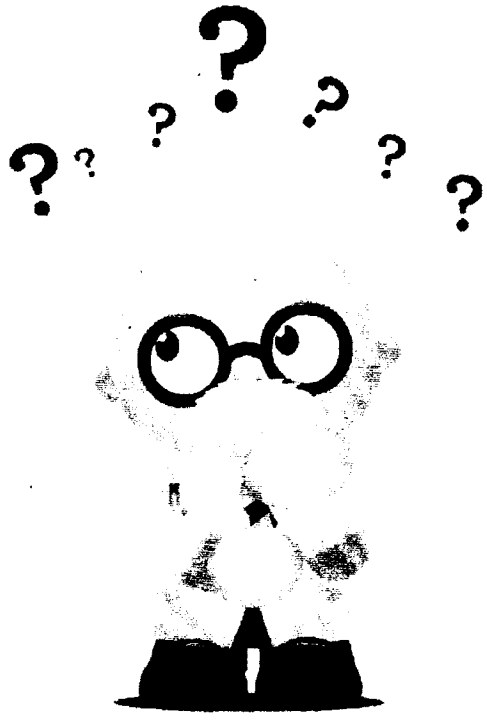
Accomplishments

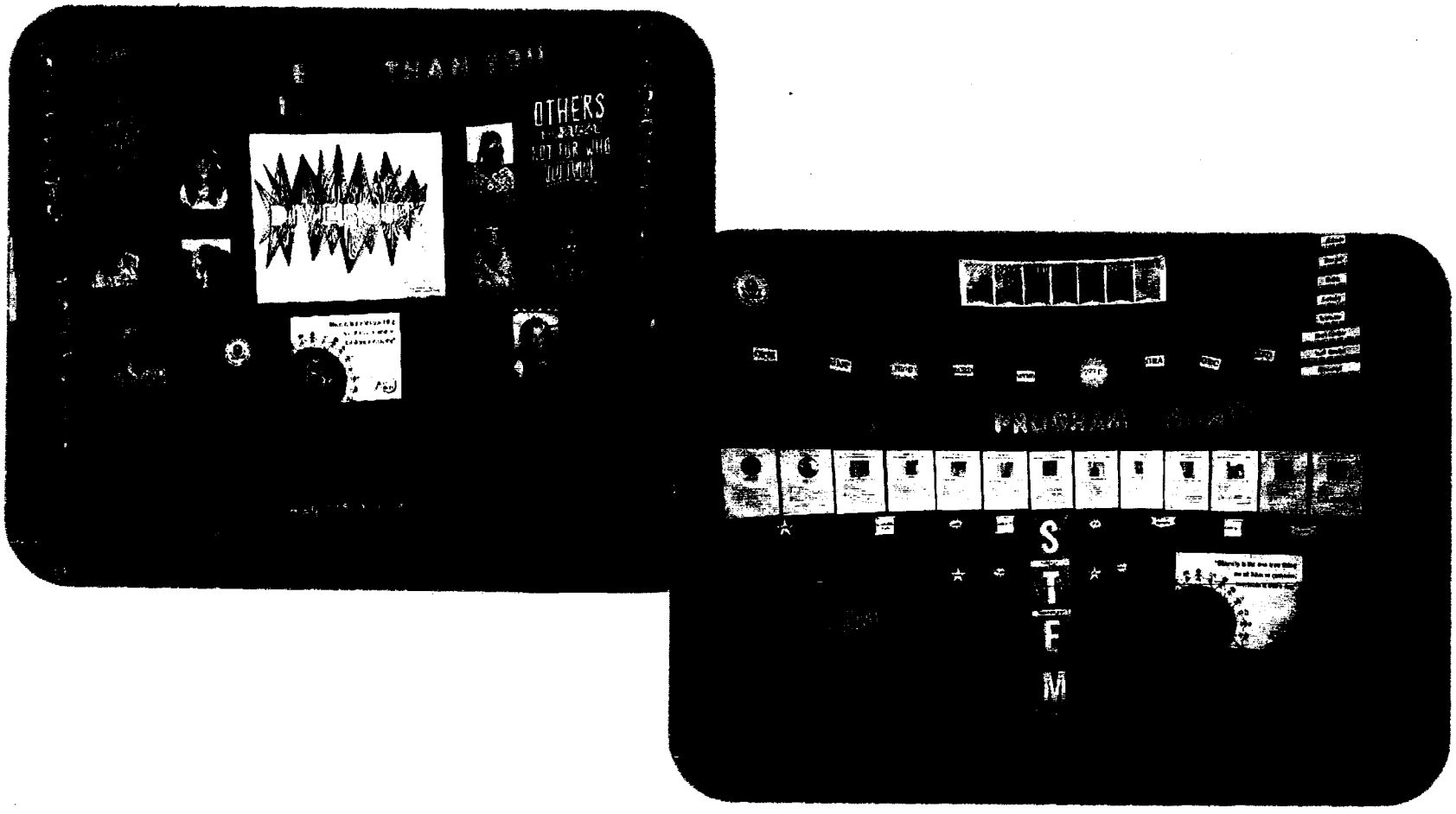
- ✓ On-time submission MD 715 Annual Accomplishments Report 2018 Action Plan
- ✓ Robust Special Emphasis Program – Full Capacity of SEPMs/Executive Champions
- ✓ Successful Quarterly Diversity Learning Series
- ✓ Enlightening One-Hour of Power Training – "Raising the Bar"
- ✓ Educational Session -From Unconscious Bias to Conscious Competence
- ✓ Collaborative Joint Federal Veterans Day Observance Program
- ✓ Supported and processed more than "100" 4700-4 (Title VI) requests (2 months)
- ✓ Managed the regional EEO process

COMING SOON

- January 24 – EEO Complaints Process – What Will You Do and Mediation Matters
- January 24 – EEO: Managers Only Session
- February 1 – Leaders in Action: Heart 2 Heart Conversation
- February 20 – Disability Awareness Training
- March 8 – Courageous/Crucial Conversation
- July 25 – Regional Diversity Day Celebration

Questions?





Thank you for the opportunity!

Official Meeting/Briefing Request for the RA or DRA

Has your Division Director been briefed on this subject, and is he/she aware of your request to set up this meeting? Yes _X__ No ____

Date of Request: 12/18/17

Requestor: Renee Wootson
Phone No.: 404-562-8241

Name of Meeting: Office of Civil Rights

Purpose of Meeting: Brief the RA providing an overview of the office mission (OCR 101) and discuss the 2018 Regional Diversity Day Celebration (July 25, 2018). In addition to briefing the RA, the office is seeking guidance and approval regarding the Regional Diversity Day as well as attendance the day of the event

Is the Meeting Date Sensitive? Yes ☐ No X	Deadline Date: 1/26/2018	
Meeting Date/Time Preference #1	Date: 1/16/18	Time: 1:00 PM
Meeting Date/Time Preference #2	Date: 1/17/18	Time: 10:00 AM or 1:00 PM or 4:00 pm
Meeting Date/Time Preference #3	Date: 1/18/18	Time: 10:00 AM or 11:00AM

Duration of Meeting: 1 hour
(for substantive meetings, schedule at least 1 hour)
Conference Number Required: Yes _____ NO_X___
IT Equipment Required: Yes ____ NO ____

Background:
The Office of Civil Rights serves as the principal advisor to the Regional Administrator, Deputy Regional Administrator, Assistant Regional Administrator, the RA's staff, and the operating divisions on matters relating to the regional civil rights and diversity & inclusion programs.

Since 2009, the Regional Diversity Day Celebration is a bi-annual event where Region 4 comes together to celebrate Diversity and Inclusion. Past themes have been – *Life in a Diverse World, From Diversity to Inclusion* and *Around the World in a Day*.

Expectations from Meeting (Please be specific: Are you looking for a decision, guidance?) Yes
If you are looking for a decision, give a date by when this decision must be made. _1/26/2018__

No. of Participants: **(It is very important that the RA's office is aware of how many and whom...no surprises; i.e., we were told 2 staff members and 10 show up)**	Names of Required Invitees: Ken Lapierre Kristy Eubanks Veronica Robertson Renee Wootson Susan Park	Optional Invitees:

Requested Meeting Location: RA Conference Room

Please send briefing papers, slides, background documents etc., to **R4_ORA_Briefing_Materials@epa.gov**. You will have ***2 DAYS (48 Hours), to submit this information prior to the meeting. Also, please send information to RA/DRA Special Assistants and Executive Assistants. Please save your presentation on the "F" Drive, under "My

Documents." You will be able to login on the Conference Room laptop as you would your own computer and pull up your presentation. ***Any critical issues that need to be elevated, please email the Special Assistants.***

EPA Region 4 FY 2018 Civil Rights and Diversity Annual Calendar

Date	Session	Location/Time	Comments
Region 4 sponsored Training/WORKSHOPS			
January 24, 2018	What Would You Do & Mediation Matters EEO Complaints Cynthia Darden, HQs Mediation – Dana Williams, CDC	10T33 / 10am-12:00pm	Training – Open to all employees Managers ONLY Session 1-2pm 10T33
QUARTERLY DIVERSITY LEARNING SERIES			
December 7, 2017	From Unconscious to Conscious Competence. Buck Davis	Columbus Room / 10-11am	1st Qtr DLS (Completed)
March 8, 2018	Courageous/Crucial Conversations	SESD Onsite / 10-11am ATL 10T33	2nd Qtr DLS – All employees
July 25, 2018	Regional Diversity Day Celebration	9D/9E / 10am-12pm	Regional Diversity Day Celebration
October 18, 2018	Transformation -Trust & Bias	9D / 10-11am	3rd Qtr DLS – Open to all employees
SPECIAL EMPHASIS PROGRAMS			
January 25, 2018	OCR SEPMs/Champions Offsite	MLK Building / 9:45am-12pm	Open to all SEPMs & Executive Champions
February 1, 2018	Leaders in Action (Heart 2 Heart) Panel Session Sponsored by OCR Federal Women's Program (FWP)	9E 11am-12pm	Open to all employees Special Invite for Federal Women…sponsored by FWP
February 20, 2018	R4 Disability (A-bility) Awareness Training - Diverse Abilities Manager Session (9:30) Employee (2pm)	9E / 9:30am-10:30am 2:00-3:00pm	Managers ONLY Session (9:30am) Open to all employees (2:00pm)
April 25, 2018	Admin Prof & Experienced Federal Workers Human Library Connect	Regional Library 10am-12pm	Open to all employees
October 3 or 4, 2018	Hispanic Employment Training	10T33 / 10-11am	Open to all employees
OTHER EVENTS			
3rd Quarter	MD -715 Supervisors/Managers Only Customer Service Conversation	June 2018	MD -715 Accomplishments Discussion

Last updated – January 2018

Contact the Region 4 Office of Civil Rights for additional information- 404-562-8389

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EPA Region 4 FY 2018 Civil Rights and Diversity Annual Calendar

August 24, 2018	MD 715 reports due to OCR	OCR	Divisions provide accomplishments
November 7 or 8, 2018	Joint Observance -EPA/SSA/GSA	10am	Open to all

Official Meeting/Briefing Request for the RA or DRA

Has your Division Director been briefed on this subject, and is he/she aware of your request to set up this meeting? Yes _X_ No ____

Date of Request: 01/09/18

Requestor: César Zapata
Phone No.: 404-562-9744

Name of Meeting: Briefing on Muni SSO/CSO cases

Purpose of Meeting: Brief the RA about the municipal enforcement initiative and current status

Is the Meeting Date Sensitive? Yes ☐ No X	Deadline Date:	
Meeting Date/Time Preference #1	Date: 01/19/18	Time: 9:00 AM
Meeting Date/Time Preference #2	Date:	Time:
Meeting Date/Time Preference #3	Date:	Time:

Duration of Meeting: Unless otherwise indicated meetings will be scheduled for 45 minutes: 30 mins to present/15 mins Q&A
Do you need a conference number: Yes _____ NO_X_

Background:

The RA requested a briefing about the Region's SSO/CSO cases. During the last 15 years, the Region has assessed compliance of municipal utilities in regards to sewer overflows as part of a National Enforcement Initiative. As a result of this initiative, the Region has taken several major enforcement cases.

Expectations from Meeting (Please be specific: Are you looking for a decision, guidance?)

If you are looking for a decision, give a date by when this decision must be made. _____

This is an informational briefing.

No. of Participants: **(It is very important that the RA's office is aware of how many and whom...no surprises; i.e., we were told 2 staff members and 10 show up)**	Names of Required Invitees: Mary Walker César Zapata Maurice Horsey	Optional Invitees:

Requested Meeting Location:
Please email briefing papers, slides, background documents etc., to **Wanda Hudson**. You will have ***2 DAYS (48 Hours), to submit this information prior to the meeting. Also, please copy information to the RA's Special Assistant, Brandi Jenkins. Your Power-point presentation (if any) will be loaded and ready for showing upon your arrival. **For *any critical issues that need to be elevated, please email Brandi Jenkins and Blake Ashbee.***

EPA Only – Do Not Cite, Quote or Release – Deliberative – Exemption 5 Withhold

Talking Points for Regional Administrator (RA) Calls with State Commissioners

In Advance of National Round Table on Oil and Gas

January 22, 2018 - January 28, 2018

January 2018

SuMo	TuWe	Th	Fr	Sa
	1 2	3	4	5 6
7 8	9 10	11	12	13
14 15	16 17	18	19	20
21 22	23 24	25	26	27
28 29	30 31			

February 2018

SuMo	TuWe	Th	Fr	Sa
		1	2	3
4 5	6 7	8	9	10
11 12	13 14	15	16	17
18 19	20 21	22	23	24
25 26	27 28			

Monday, January 22

- **10:30am - 11:00am Consent Decree Alignment Update** (RA's Conference) - Glenn, Trey
- **12:00pm - 12:30pm Biweekly Meeting with Directors: Beverly Banister** (RA's Small Conference Room) - Glenn, Trey
- **12:05pm - 12:50pm Lead Copper Rule Briefing** (RA's Conference Room) - Glenn, Trey
- **1:00pm - 1:30pm Metrics Discussion with Water Protection Division Managers** (15C) - Glenn, Trey
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **3:30pm - 4:00pm Biweekly Meeting with Director: Franklin Hill** (RA's Small Conference) - Glenn, Trey
- **4:00pm - 4:45pm Call with KY DEP regarding Daicel Safety Systems** (RA's Conference Room or 1-866-299-3188; (b)(6) [redacted] - Glenn, Trey

Tuesday, January 23

- **9:00am - 10:00am Discussion with First Line Supervisors** (9th Floor 9D and 9E) - Glenn, Trey
- **10:00am - 10:45am Discussion: PFC Issues in the Region** (RA's Conference Room or or 404-562-9997; (b)(6) - Glenn, Trey
- **11:00am - 12:00pm Meeting with the National Home Builders Association (NHBA)** (RA's Conference Room (866) 299-3188 Code (b)(6) [redacted] - Glenn, Trey
- **12:00pm - 12:45pm Briefing on Off-Shore Drilling** (RA's Conference Room) - Glenn, Trey
- **1:00pm - 1:30pm Biweekly Meetings with Directors: Jeaneanne Gettle** (RA's Office) - Glenn, Trey
- **1:30pm - 2:00pm Tour of Air SIP/Attainment VMS area** (12th floor) - Glenn, Trey
- **4:00pm - 4:45pm Final Agency Review for Final 2016 Effluent Guidelines Program Plan** (3233 WJCE Call in 1-866-299-3188

Wednesday, January 24

12:00am Travel Itinerary

- **9:30am - 5:45pm Alabama Water Utility Management Workshop - Keynote Speaker** (Montgomery AL)
- **12:00pm - 12:30pm**
- **3:00pm - 4:00pm Prebrief for Jan 31-Feb 1 Hypoxia Task Force (THF) Meeting** (3233 WJCE Call in 866-299-3188 (b)(6) personal - Ross, David P
- **5:30pm - 7:00pm 2018 Trustee Update - Welcome Reception** (Miramar Beach Florida)

Thursday, January 25

Travel Itinerary

- **7:15am - 8:30am Kickoff Breakfast ~ 2018 Trustee Update** (Miramar, Florida)
- **8:30am - 4:15pm 2018 Trustee Update Day Two** (Miramar Beach, Florida)
- **11:00am - 12:00pm Radon Basics Presentation** (10T33) - Milhollin, Chandler

Friday, January 26

Travel Itinerary

- **8:00am - 11:15am 2018 Trustee Update - Day Three** (Miramar Beach, Florida)
- **2:00pm - 2:30pm Discussion: Susan Bodine Memo** (RA's Private Conference Room (For those in the building)) - Glenn, Trey
- **3:00pm - 4:00pm Meeting re: Albertville** (Birmingham, Alabama)

Saturday, January 27

Travel Itinerary

Sunday, January 28

Travel Itinerary

Official Meeting/Briefing Request for the RA or DRA

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Date of Request: 01/09/18

Requestor: César Zapata
Phone No.: 404-562-9744

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Lead and Copper Rule Revisions Update

Agenda

Background and key provisions
Rulemaking history
Other related statutes
Regional activity

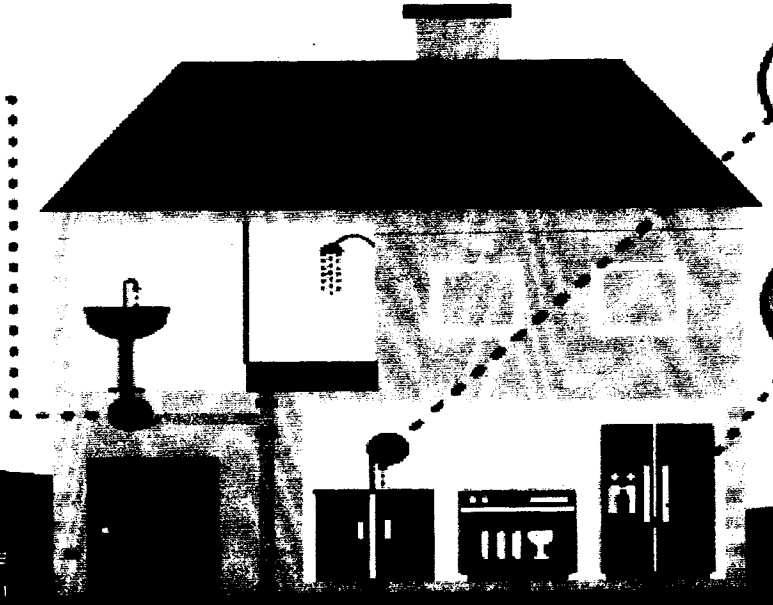
January 22, 2018

EPA

CONCERNED ABOUT LEAD IN YOUR DRINKING WATER?

Sources of **LEAD** in Drinking Water

Copper Pipe with Lead Solder: Solder made or installed before 1986 contained high lead levels.



Faucets: Fixtures inside your home may contain lead.

Galvanized Pipe: Lead particles can attach to the surface of galvanized pipes. Over time, the particles can enter your drinking water, causing elevated lead levels.

Lead Service Line: The service line is the pipe that runs from the water main to the home's internal plumbing. Lead service lines can be a major source of lead contamination in water.

WATER METER

Lead Goose Necks: Goose necks and pigtails are shorter pipes that connect the lead service line to the main.

MAIN WATER LINE

Key Areas for Rule Revisions

- Corrosion Control Treatment
- Tap Sampling
- Public Education and Transparency
- Lead Service Line Replacement
- Copper Requirements

Corrosion Control Treatment

Current Requirements

- Systems serving >50,000 required to perform CCT
- Systems serving ≤50,000 required to perform CCT <u>if</u> AL exceeded
- System proposes treatment (or changes) and state approves

Revision Considerations

- Target systems required to install CCT differently
- Change requirements for designating optimal CCT
- Require system to find and fix problems in corrosion control treatment if a tap sample exceeds an action level

LCR Tap Sampling

Current Requirements

- Collect samples at residential taps that are at high risk of lead contamination
- 90th Percentile result compared to Action Levels based on treatment feasibility
  - 15 ppb (µg/L) lead
  - 1.3 ppm (mg/L) copper

Revision Considerations

- Changing where water systems are required to collect tap samples
- Change the way samples are collected to be more representative of exposure
- Establish a household action level that if exceeded would trigger a report to the consumer and to the applicable health agency for follow up

90th Percentile (Lead AL 15 ppb)

10 - 11	10 - 16	10 - 10,000
9 - 8	9 - 16	9 - 14
8 - 8	8 - ND	8 - 14
7 - 5	7 - ND	7 - 14
6 - 5	6 - ND	6 - 14
5 - 4	5 - ND	5 - 14
4 - 2	4 - ND	4 - 14
3 - ND	3 - ND	3 - 14
2 - ND	2 - ND	2 - 14
1 - ND	1 - ND	1 - 14

Transparency & Public Education

Current Requirements

- Individual monitoring results sent to respective customers
- Annual Consumer Confidence Report sent to all consumers
- Systems that exceed lead action level must begin public education within 60 days after end of monitoring period

Revision Considerations

- Water systems to provide on-going targeted outreach with a special emphasis on all customers with lead service lines
- Water systems to provide notification to consumers within 24 hours of exceeding an action level
- Water Systems to make information accessible to consumers on results of all tap sampling, results of water quality parameter (WQP) monitoring and the number and locations of LSLs

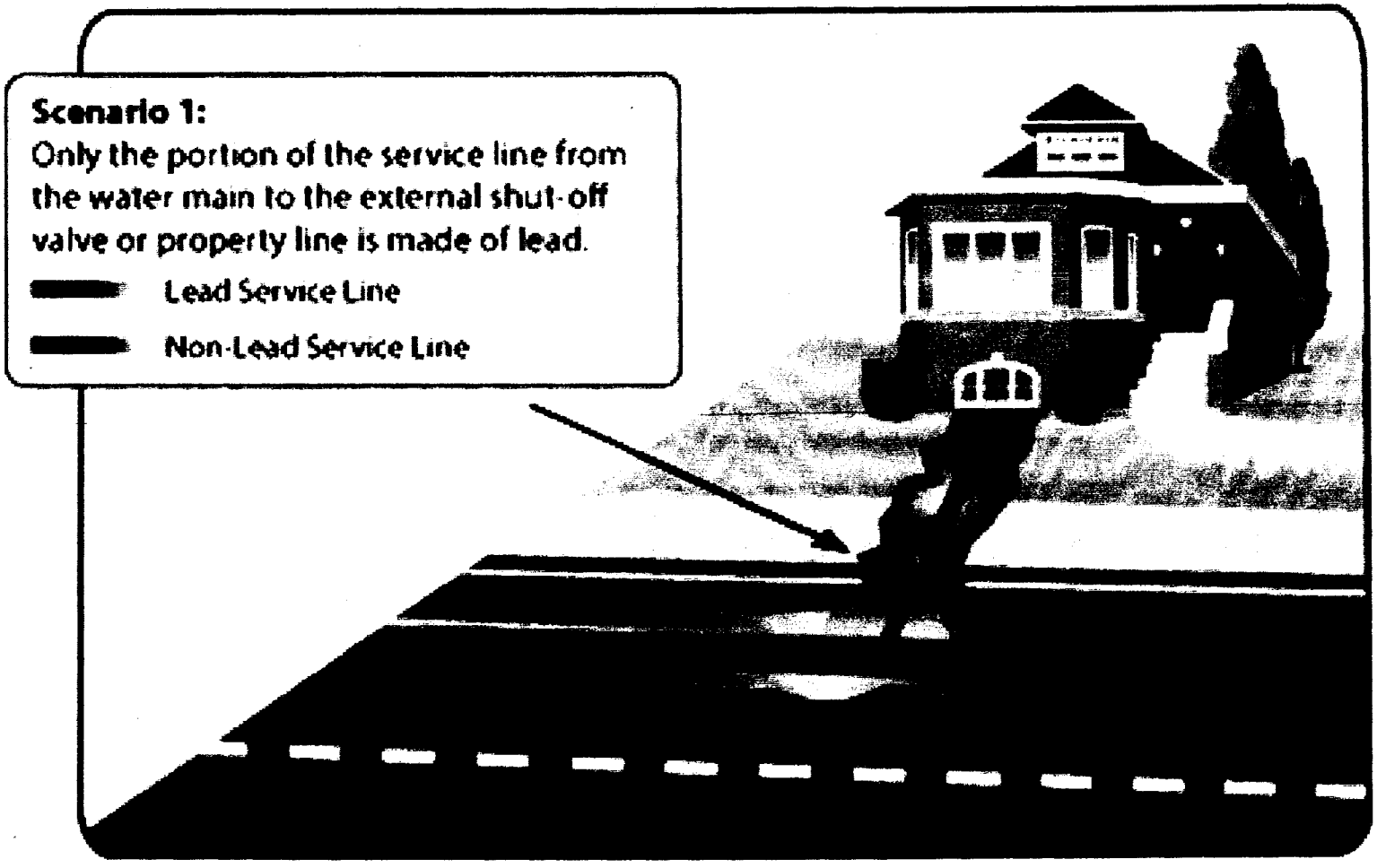
Lead Service Line Replacement

Current Requirements

- Systems that exceed the lead Action Level (AL) after installing corrosion control treatment (CCT) must replace 7% of lead service lines per year (the state can accelerate)
- LSLR can stop when lead <=AL for 2 consecutive monitoring periods

Revision Considerations

- Require systems to create an inventory of lead service lines
- Require proactive full lead service line replacement
- Limit partial LSLR (emergency repair or unable customers)
- Require PWS to provide pitcher filters following LSL replacement


Scenario 1:
Only the portion of the service line from the water main to the external shut-off valve or property line is made of lead.
Lead Service Line
Non-Lead Service Line

Copper

Current Requirements

- Copper samples are collected at the same time and customer taps as lead samples.
- The 90th% value of results is compared to the copper AL of 1.3 ug/L.
- If the copper AL is exceeded, water systems must implement CCT.

Revision Considerations

- Establish a screen to determine if water systems have water aggressive to copper, triggering follow-up actions if aggressive
- Modify tap sampling to require separate sampling sites for copper

Rulemaking History

- 2005 **Drinking Water Lead Reduction Plan** outlined both short and long term goals for improving LCR implementation
- 2007 **Short-term Revisions** to the LCR
  - The rule enhanced monitoring, treatment, lead service line replacement, public education, and customer awareness
- 2011 Reduction of Lead in Drinking Water Act
- 2013 EPA requested the **National Drinking Water Advisory Council** form a working group to provide input on rule revision issues
- 2015 the NDWAC provided **LCR recommendations**
- 2016 EPA released a **LCR Revisions White Paper**
- 2017 Peer review of draft scientific **modeling approaches for potential health-based benchmarks** for lead in drinking water
- 2018 **Federalism and Tribal Consultation**

Next Steps

- Complete Federalism & Tribal Consultations – March 2018
- Option Selection – April 2018 [not scheduled]
- Complete Economic and Other Analysis
- Propose revisions to the LCR for public comment – August 2018
- Promulgate final LCR revisions – February 2020

Other Statutory Changes

- Reduction of Lead in Drinking Water Act – supporting regulations expected in 2019

- Water Infrastructure for Improvements to the Nation Act (WIIN Act), December 2016

Enhanced State Oversight

- **February 2016.** EPA's letter to Governors, Commissioners, and Tribes.
  - Emphasized the need for EPA and states to work together
  - Stated that EPA would increase its oversight of state programs
  - Recommended sampling techniques
  - Committed to providing LCR training to states and revising the rule
  - Urged states to take immediate actions to assure the public
  - Asked states to confirm that specific actions were being taken

- **July 2016.** EPA's follow-up letter to Environmental Council of States and the Association of State and Territorial Health Officials.
  - Reiterated the same themes at the February 29th letter
  - Highlighted challenge areas including identification of lead service lines and posting individual sampling results online

Enhanced State Oversight

- EPA used the Safe Drinking Water Information System (SDWIS) database to identify all drinking water systems with lead action level exceedances (ALEs) (2013-2015). Regions engaged states to understand the history and status of each water system.

2441 PWSs with lead ALEs

PWSID	Water System Name	Primacy Agency	EPA Region	No Longer Subject To Rule	Data Entry Error	Invalid Sample	Sample Invalidation Reason	Primacy Agency Stated Not An ALE	Primacy Agency Not An ALE Justification	2 six month samples below ALE	Conducted PE	CCT Study underway or pending	Corrosion Control Treatment Installed or Installing/WQP	Replaced Interior Plumbing	Lead Service Line Replacement	Consolidating with Another System

Region 4
Lead ALEs and LCR Violations

State	<=500	501-3,300	3,301-10,000	10,001-100,000	>100,000	Grand Total	Unresolved Historical ALEs 2013-2015	Current ALEs 2016-2017	Current CWS with LCR Violations
04	1	1				2	0	0	0
AL	3	2	4			9	0	0	0
FL	51	7		1		59	6	28	13
GA	65	8	4	1	1	79	2	20	1
KY	1	1	2			4	0	0	0
MS	11	8	1		1	21	4	13	0
NC	69	14	3			86	7	16	47
SC	18	4	1	1		24	5	12	1
TN	2	2	1	3		8	0	0	3
Grand Total	221	47	16	6	2	292	24	89	65

~18,000 total water systems; ~10,200 must comply

Official Meeting/Briefing Request for the RA or DRA

Has your Division Director been briefed on this subject, and is he/she aware of your request to set up this meeting? Yes _X___ No ____

Date of Request: 01/05/2018

Requestor: Mary Jo Bragan for Mary Walker
Phone No.: 2-9275

Name of Meeting: Metrics Discussion with Water Protection Division Managers

Purpose of Meeting: The purpose of this meeting is to provide the WPD managers with the opportunity to hear firsthand from the RA on the new regional metrics and his perspective on how they will enhance performance across the region.

Is the Meeting Date Sensitive? No	Deadline Date: Early February	
Meeting Date/Time Preference #1	Monday, Jan. 22, 2018	1:00-1:30
Meeting Date/Time Preference #2	Wednesday, Jan. 10, 2018	2:00-2:30
Meeting Date/Time Preference #3	Monday, Feb. 5, 2018	1:00-1:30

Duration of Meeting: 30 minutes

Conference Number Required: Meeting will be held in 15C. Conference lines will be set up by WPD. No IT equipment required.

Background: The WPD weekly staff meeting is held on Mondays at 1:00. Mary and Trey have previously discussed having him attend a staff meeting to talk with the WPD managers. This request is a follow up to their earlier conversation.

Expectations from Meeting: This is an opportunity for Trey to meet with the WPD managers. No decisions are expected.

No. of Participants:	Names of Required Invitees:	Optional Invitees:
21	WPD Managers Trey Glenn	

Requested Meeting Location: The meeting will be held in the WPD Division Director's Conference Room (15C) as part of the weekly manager's meeting.

Official Meeting/Briefing Request for the RA or DRA

Has your Division Director been briefed on this subject, and is he/she aware of your request to set up this meeting? Yes ____ No _X___

Date of Request: 1/9/18

Requestor: Dan O'Lone (per Ken Lapiere)
Phone No.: 29434

Name of Meeting: First Line Supervisor's (FLS) Meeting

Purpose of Meeting: To share his vision for the Region with the First Line Supervisors.

Is the Meeting Date Sensitive? Yes X No ☐	Deadline Date: 1/12/18	
Meeting Date/Time Preference #1	Date: 1/23/18	Time: 9:00
Meeting Date/Time Preference #2	Date:	Time:
Meeting Date/Time Preference #3	Date:	Time:

Duration of Meeting: Unless otherwise indicated meetings will be scheduled for 45 minutes: 30 mins to present/15 mins Q&A
Do you need a conference number: Yes _____ NO X____

Background:
FLS meet periodically, generally after the EMC meets in DC. I am the R4 FLS representative and co-chair of the national First Line Supervisor Advisory Group (FLAG). In talking with Ken we thought it would be valuable and increase attendance at the FLS meeting to have Trey attend and share some of his vision/plan for the Region and the FLS' role in implementing that vision.

Expectations from Meeting (Please be specific: Are you looking for a decision, guidance?)
If you are looking for a decision, give a date by when this decision must be made. _____

No decision is needed.

No. of Participants: **(It is very important that the RA's office is aware of how many and whom...no surprises; i.e., we were told 2 staff members and 10 show up)**	Names of Required Invitees: All 100+ FLSs will be invited, probably about half of those will attend.	Optional Invitees:

Requested Meeting Location:
Please email briefing papers, slides, background documents etc., to **Wanda Hudson**. You will have ***2 DAYS (48 Hours), to submit this information prior to the meeting. Also, please copy information to the RA's Special Assistant, Brandi Jenkins. Your Power-point presentation (if any) will be loaded and ready for showing upon your arrival. **For *any critical issues that need to be elevated, please email Brandi Jenkins and Blake Ashbee.***

NATIONAL FIRST LINE SUPERVISOR ADVISORY GROUP (FLAG) 2017 ACCOMPLISHMENTS

FLAG Mission: The National First Line Supervisors Advisory Group (FLAG) shares a commitment to combine our experience and knowledge to design, review, evaluate, and recommend agency actions that will positively affect and assist the EPA's supervisor community and workforce. We seek to work collaboratively and consistently to address challenges and issues to support efforts to make EPA the best place to work in the federal government.

Continuing Education

- Recommended to Deputy Administrator an Agency approach to supervisor continuing education, which was detailed in a January 2017 memo to all supervisors. The approach includes a basic training investment of completing a minimum of 3 training courses throughout the year (no more than 8 hours of training), one-day training for new supervisors, and OARM-RTP's monthly supervisor series.
- Developed and analyzed a continuing education survey for all EPA managers and supervisors. The FLAG will be presenting findings and recommendations to the EMC.

Performance Management

- Participating in the agency work group on performance management that was established to address the April 12th OMB directive, "Comprehensive Plan for Reforming the Federal Government and Reducing the Federal Civilian Workforce."
- Developing a Performance Management Toolkit for use by all EPA supervisors. Through the EMC's support, a contractor was tasked with reviewing and editing several existing performance management documents. These documents were ranked and voted on by FLAG, and once reviewed, will be the first items available for the Toolkit.

Leadership Action Plan

- Based upon EPA first line supervisor (FLS) feedback, developed a Leadership Action Plan (LAP) with EMC Champions to address 1) FLS needs, 2) Building a leadership cadre, and 3) Developing an SES cadre.
- Leading seven workgroups that are developing road maps for the completion of LAPtasks to assist FLSs and promote leadership in the Agency.
- Recommended a First Line Supervisor award that is now part of EPA's award program.

Other

- Provided input to OARM on two OMB efforts to reform the Federal Government, including ideas for cross-agency reforms and creating a more efficient, effective and accountable EPA.
- Finalized a communications strategy to provide better communication within FLAG, with the larger first line supervisor (FLS) community, and with the Executive Management Council(EMC).
- Providing a forum for the sharing of best practices with FLSs across the Agency.
- Providing support and recommendations to senior leaders in Regions and Program Offices.
- Providing feedback on Agency administrative systems through participation in various Technical User Groups (e.g., PeoplePlus).

FLAG Co-chairs: Marty Chintala, ORD, 401-782-3155 & Dan O'Lone, Region 4, 404-562-9434

RW 11/30/17

Office of Water Meeting Request Form

Date Received in OW: _____

OFFICE OF WATER MEETING REQUEST FORM

FOR: **Michael Shapiro** ___X_____ **Lee Forsgren** _X_____ **Benita Best-Wong** ___X_____

Subject: Final Agency Review for Final 2016 Effluent Guidelines Program Plan

Meeting Requested By: Phillip Flanders **Date:** 11/30/2017

Office Director Approval: _____ **Date:** 4 DEC 2017

Date Staff will be ready for this meeting by: 1/8/2018

Latest date meeting can happen by: 1/12/2018

Time Needed for meeting: **20 Minutes** _____ **45 Minutes** _X_ **1 Hour** _____ **Other** _____

Purpose of the meeting:

AA decision expected?
Yes _X_ **No** ___

Provide AA with information?
Yes _X_ **No** ___

What specifically is to be decided or presented? Why is a meeting needed?

This is the Final Agency Review (FAR) for the Final 2016 Effluent Guidelines Program Plan (SAN 5601.2). The CWA requires EPA to publish a biennial effluent guidelines plan, including identification of any effluent limitations guidelines and standards (ELGs) rulemakings and their schedules. FAR is the last point for cross-Agency review of this action. It provides a forum for confirming that (1) the workgroup has successfully completed its job and resolved or elevated all issues, (2) the package is complete and ready for OMB review, and (3) all Agency and external requirements have been met.

Who will attend the meeting?
Mandatory Attendees (Give Full Names as listed in Outlook and Identify Office):

OST: ~~Debra~~ Deborah Nagle, Rob Wood, Jan Matuszko
OGC: Steve Neugeboren, Mary Ellen Levine
R1: Deb Szaro, Alexandra Dunn
R2: Catherine McCabe, Pete Lopez
R3: Cecil Rodriguez, Cosmo Servidio
R4: Anne Heard, Trey Glenn
R5: Robert Kaplan

R6: Sam Coleman
R7: Edward Chu, Jim Gulliford
R8: Debra Thomas, Doug Benevento
R9: Alexis Strauss
R10: Michelle Pirzadeh, Chris Hladick
OLEM: Barry Breen
OCSPP: Wendy Cleland-Hamnett
ORD: Bob Kavlock
OAR: Sarah Dunham
OP: Samantha Dravis
OGC: Kevin Minoli
OWM: Andrew Sawyers

Workgroup Members:

OST: Phillip Flanders (Workgroup Chair)
OWM: Jan Pickrel, Kathryn Kazior
OGC: Jessica Zomer
OP: Karen Thundiyil
OAR: Nicholas Swanson
OLEM: Alexander Livnat
ORD: Cindy Roberts
OCSPP: Chen Wen
OECA: Dan Chadwick
R1: Justin Pimpare
R2: Karen O'Brien
R3: Brian Trulear
R4: Erica Jones
R5: Jonathan Schweitzer
R6: Kilty Baskin
R7: John Dunn
R8: Qian Zhang
R9: DavidW Smith
R10: Christine Psyk

Optional Attendees (Give Full Names as listed in Outlook and Identify Office – please copy your own office's Special Assistant):

OW: Sandra Evalenko,
OST: Arielle Gerstein, Jesse Pritts, Samantha Lewis, Ahmar Siddiqui, Karen Milam, Michael Scozzafava, Tiffany Crawford
OWM: Marcus Zobrist

AA/DAA Conference Technology - Please check all that apply:

- **Presentation** (e.g., PowerPoint or video file(s) uploaded to computer) _____
- **Conference Call Line** __X___
- **VTC** _____ *[**VTC location(s)** (i.e., Region and room number) and a **VTC contact person(s)** must be provided to the OW-IO Schedulers no later than **24 hours in advance** of the meeting. If known at the time the meeting request form is submitted, please provide this information below.]*

Conference line to use for phone-in attendees:

_____

(NOTE: If your meeting will require a conference call line, please request that a conference call number be added to your meeting request form. It is recommended that you request that the OW IO scheduler use the conference call number for the appropriate OW manager being briefed, (i.e., Joel, Mike, or Ellen). If the program office chooses to use different conference call number for the meeting, the meeting POC will be responsible for opening the conference line with the appropriate PIN number.)

Person Providing Agenda for the Meeting:

Name: Phillip Flanders **Phone:** __202-566-8323_____

Person Providing Briefing Material (if any) for the Meeting:

Name: Phillip Flanders **Phone:** _202-566-8323_____

All meeting materials are due in BOTH hard copy and electronic copy no later than 3:00 p.m. the day before the meeting, unless the meeting is scheduled too late to allow this. Please provide one hard copy per OW principal attending.

- **Your office's scheduler or SA will email all electronic copies to Crystal Penman and Ann Campbell (for Mike Shapiro) or Crystal Edwards and Ann Campbell (for Benita Best-Wong).**
- **Deliver hard copies to:**
  - **Crystal Penman:** (3219 WJC East) **for Mike Shapiro and Lee Forsgren**
  - **Crystal Edwards:** (3223 WJC for) for **Benita Best-Wong**

Office of Water Meeting Request Form

Date Received in OW: _____

OFFICE OF WATER MEETING REQUEST FORM

FOR: David Ross ____X____ Lee Forsgren _____ Benita Best-Wong ____X_____

Subject: __Prebrief for Jan 31-Feb 1 Hypoxia Task Force (HTF) Meeting

Meeting Requested By: ____Tom Wall_____ Date: _____

Office Director Approval: Yes _____

Date Staff will be ready for this meeting by: __ January 12, 2018 ____

Latest date meeting can happen by: __ Staff available January 12, 16-19, or 22-26

Time Needed for meeting: 20 Minutes _____ 45 Minutes _____ 1 Hour _ X ___ Other _____

Purpose of the meeting:

AA decision expected?
Yes ___ No _X

Provide AA with information?
Yes _X_ No __

What <u>specifically</u> is to be decided or presented? Why is a meeting needed?

The Hypoxia Task Force is comprised of 12 states and five federal agencies who collaborate to reduce Gulf hypoxia. The HTF will meet Jan 31-Feb 1 in the DC area; David Ross' participation as HTF Federal co-chair would be his first opportunity to engage with the HTF and also with the National Association of State Departments of Agriculture (NASDA) in a joint meeting on Feb 1.

We will provide all meeting materials at this meeting and step David Ross through the agenda, key meeting participants and discuss/agree on desired meeting outcomes.

Who will attend the meeting?
Mandatory Attendees (Give Full Names as listed in Outlook and Identify Office):

Benita Best-Wong: best-wong.benita@epa.gov OW

Jim Gulliford: Gulliford.Jim@epa.gov R7

Katie Flahive: Flahive.katie@epa.gov OWOW

Laura Bachle: Bachle.laura@epa.gov OWOW

Tom Wall: wall.tom@epa.gov OWOW

Lynda Hall: hall.lynda@epa.gov OWOW

Kyra Reumann-Moore: reumann-moore@epa.gov OWOW

Megan Wiitala: Wiitala.megan@epa.gov OWOW

Chad Nitsch: Nitsch.Chad@epa.gov OCIR

Barry Tonning: Barry.Tonning@tetratech.com EPA Contractor and HTF Meeting Facilitator

Optional Attendees (Give Full Names as listed in Outlook and Identify Office – please copy your own office's Special Assistant):

Trey Glenn, Region 4 RA: Glenn.Trey@epa.gov
Cathy Stepp, Region 5 RA: Stepp.Cathy@epa.gov
Anne Idsal, Region 6 RA: Idsal.Anne@epa.gov
John Goodin: Goodin.John@epa.gov OW
Sandra Connors: Connors.sandra@epa.gov OW
Klos.Caroline@epa.gov OW

AA/DAA Conference Technology - Please check all that apply:

- **Presentation** (e.g., PowerPoint or video file(s) uploaded to computer) __x___
- **Conference Call Line** _x____
- **VTC** _____ *[**VTC location(s)** (i.e., Region and room number) and a **VTC contact person(s)** must be provided to the OW-IO Schedulers no later than **24 hours in advance** of the meeting. If known at the time the meeting request form is submitted, please provide this information below.]*

Conference line to use for phone-in attendees:
866-299-3188 ext 202-566-1159#

(NOTE: If your meeting will require a conference call line, please request that a conference call number be added to your meeting request form. It is recommended that you request that the OW IO scheduler use the conference call number for the appropriate OW manager being briefed, (i.e., Joel, Mike, or Ellen). If the program office chooses to use different conference call number for the meeting, the meeting POC will be responsible for opening the conference line with the appropriate PIN number.)

Person Providing Agenda for the Meeting:

Name: __Katie Flahive_____ **Phone:** ___202-566-1206_____

Person Providing Briefing Material (if any) for the Meeting:

Name: __Katie Flahive_____ **Phone:** ____202-566-1206____

All meeting materials are due in BOTH hard copy and electronic copy no later than 3:00 p.m. the day before the meeting, unless the meeting is scheduled too late to allow this. Please provide one hard copy per OW principal attending.

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- **Deliver hard copies to:**
    - **Crystal Penman**: (3219 WJC East) **for Mike Shapiro and Lee Forsgren**
    - **Crystal Edwards**: (3223 WJC for) for **Benita Best-Wong**

Agenda: Pre-brief for Jan 31-Feb 1 Hypoxia Task Force (HTF) Meeting
January 22nd, 2018, 4-5pm

- Introductions
- Brief discussion of background on HTF
- Walk through agenda, introduce Barry Tonning, Facilitator
- Brief discussion of metrics/reports for HTF review/adoption at the meeting
- Questions, discussion

Materials

- PowerPoint describing the HTF
- Letter from state HTF representatives to EPA transition team
- Draft January 31 – February 1st meeting agenda

Mississippi River Gulf of Mexico Watershed Nutrient Task Force

HTF Member State Representatives

Secretary Bill Northey, Chair
Iowa Department of Agriculture and Land Stewardship

J. Ryan Benefield, Deputy Director
Arkansas Natural Resources Commission

Raymond Poe, Acting Director
Illinois Department of Agriculture

Ted McKinney, Director
Indiana Department of Agriculture

Peter Goodmann, Director
Kentucky Division of Water

Johnny Bradberry
Louisiana Governors Executive Assistant for Coastal Activities

Rebecca Flood, Assistant Commissioner
Minnesota Pollution Control Agency

Gary Rickard, Executive Director
Mississippi Department of Environmental Quality

Kurt Boeckman, Agriculture Liaison
Missouri Department of Natural Resources

John Schlichter, Deputy Director
Ohio Department of Agriculture

Larry Maxwell, Assistant Commissioner
Tennessee Department of Agriculture

Russell Rasmussen, Administrator
Division of Water
Wisconsin Department of Natural Resources

January 5, 2016

Myron Ebell
Director, Center for Energy and Environment
President-Elect Trump Transition Team, U.S. Environmental Protection Agency
1310 L Street, NW, 7th Floor
Washington, DC 20005

Via e-mail to mebell@cei.org, info@cei.org

Subject: Mississippi River/Gulf of Mexico Watershed Nutrient Task Force: Issues for Transition Teams

Dear Director Ebell,

We are writing to you as the member states of the Mississippi River/Gulf of Mexico Watershed Nutrient Task Force (herein referred to as the HTF) to bring your attention to the collaborative and innovative efforts underway by the states and federal agencies to address the dead zone in the Gulf of Mexico. The HTF is a partnership of twelve states and five federal agencies that works collaboratively to reduce nutrient loading to the Mississippi River Basin and the extent of the hypoxic zone in the northern Gulf of Mexico. The partnership is led by the states, providing a cooperative federalism where states lead and are making significant progress towards the objectives set forth. Through the HTF, EPA has recognized states are best positioned to effectively lead this large scale effort. The members of the HTF continue to work collaboratively to implement the *Gulf Hypoxia Action Plan 2008*.

The HTF strives to reduce nutrient loading to the Gulf by 45% (compared to the 1980-1996 baseline), with the expected response to limit the average extent of the Gulf of Mexico hypoxic zone to less than 5,000 square kilometers by 2035. Reaching this goal will require a significant commitment of state and federal resources to accelerate implementation of actions that reduce nutrient loading from major sources of nitrogen and phosphorus in the Mississippi River Basin.

The HTF states serve as the lead on the implementation of HTF initiatives and projects, with the federal agencies serving as supportive collaborators. Each HTF state has developed a nutrient reduction strategy through stakeholder participation that serves as a road map for implementing nutrient reductions in its state. These strategies serve as the cornerstone for reaching the HTF goals. The federal members of the HTF issued a unified federal strategy in September 2013, to guide assistance to states and continued science support. To further its goals, the HTF has also expanded partnerships with organizations with similar goals. In May 2014, the HTF entered into an agreement with 12 land grant universities, from the representative states, to reduce gaps in research and outreach/extension needs in the Mississippi River Basin.

Tracking Progress Towards Our Goal

OWOW Briefing for David Ross

January 22, 2018

Hypoxia Task Force Background

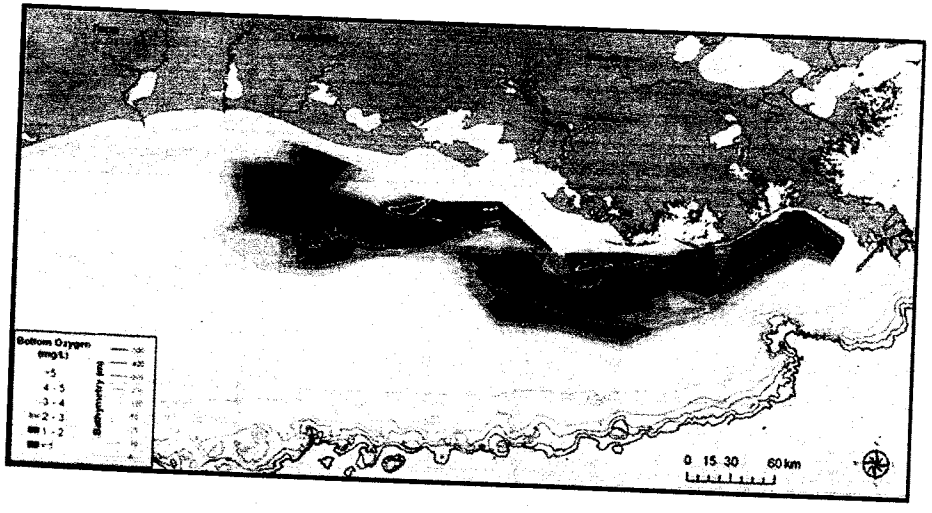
- Formed by EPA in 1997; legislatively authorized in 1998 HABRHCA Law
- At the Task Force's request, an interagency committee convened by the White House Office of Science and Technology Policy completed an Integrated Assessment, which served as scientific basis for a 2001 Action Plan with goal: reduce size of the Hypoxic Zone to <5000 sq km by 2015
  - Focused on reducing *nitrogen* loads to the gulf via the Mississippi River
- Science Reassessment 2004-2007:
  - Considered *phosphorus* a co-driver of the hypoxic zone
  - Convened four science symposia, outcomes submitted to EPA Science Advisory Board panel for consideration
  - Science Advisory Board recommended a dual N and P strategy; estimated a 45% reduction needed in both N and P to reach goal; urged "directionally correct" progress toward goal rather than continued debate over goal revision
- 2008 Action Plan included commitment by states to develop and implement Nutrient Reduction Strategies with continued federal support
- In 2015 the Task Force reaffirmed its goal with a new 2035 target date; adopted interim, 20% N and P load reduction targets for 2025; committed to enhanced tracking of progress
- 2014 HABHRCA required EPA to submit to Congress biennial reports on behalf of the HTF, describing progress towards the goal; 2015 and 2017 Reports to Congress complete

Mississippi River
Gulf of Mexico
Watershed Nutrient
Task Force

Science Based Goal

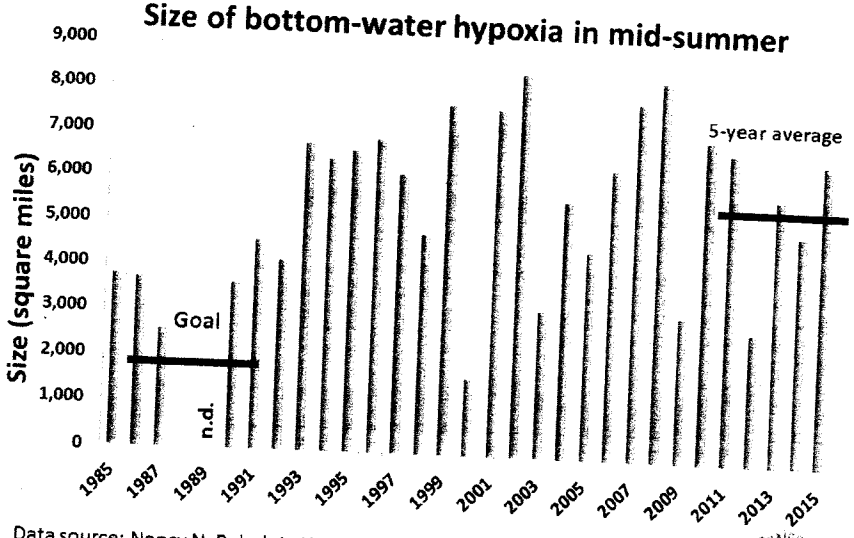
Coastal Goal

By 2035, reduce 5-year running average size of the Gulf hypoxic zone to 5,000 km^2



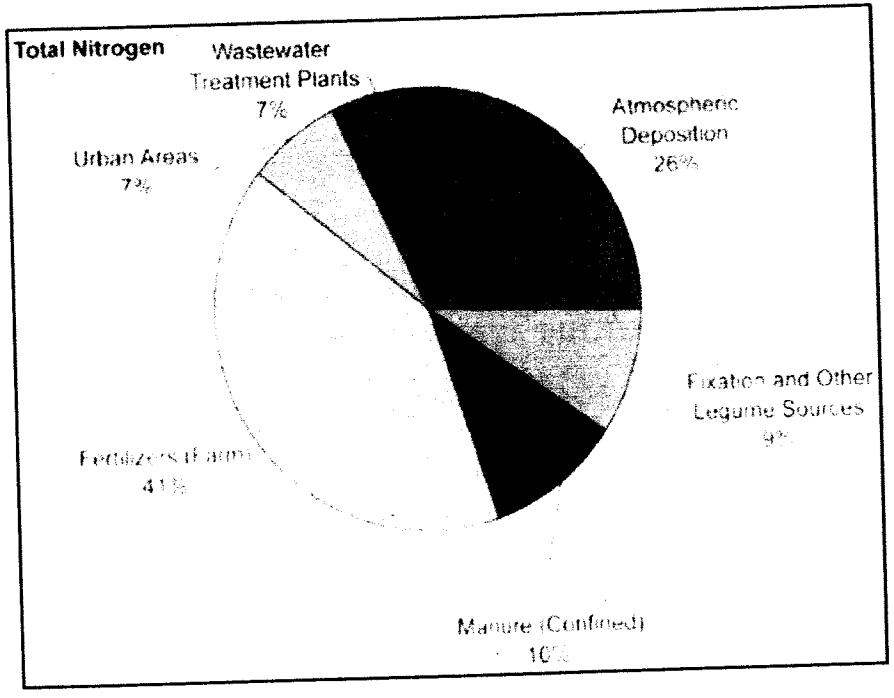
Interim Target

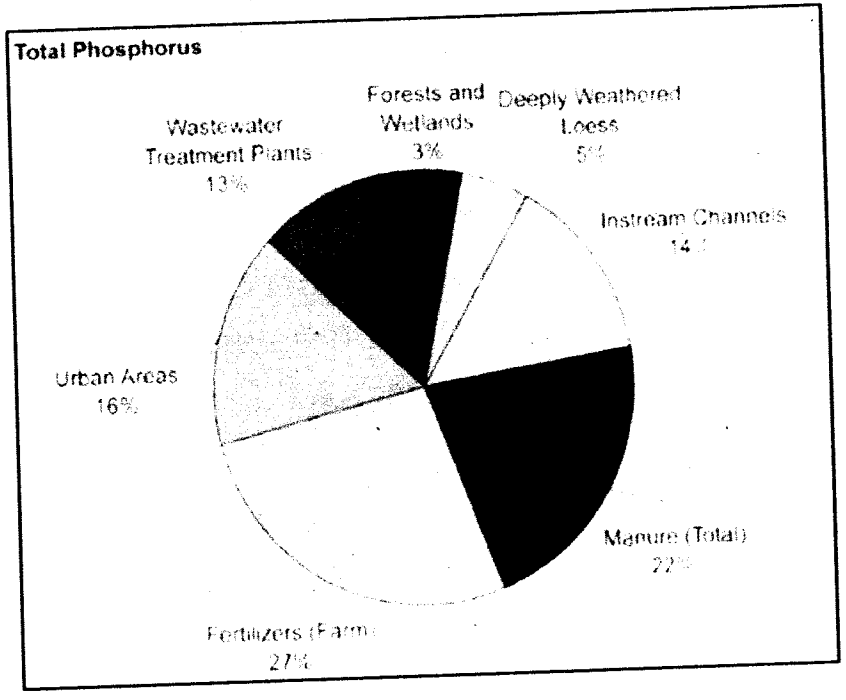
20% reduction of nitrogen and phosphorus loading by 2025



Data source: Nancy N. Rabalais, LUMCON, and R. Eugene Turner, LSU
Funding sources: NOAA Center for Sponsored Coastal Ocean Research and U.S. EPA Gulf of Mexico Program

Nitrogen and Phosphorus Loading Sources in the Mississippi and Atchafalaya River Basin (MARB)





USGS SPARROW model estimates of sources of TN and TP transported from Mississippi River Basin to the Gulf of Mexico (Robertson and Saad 2013)

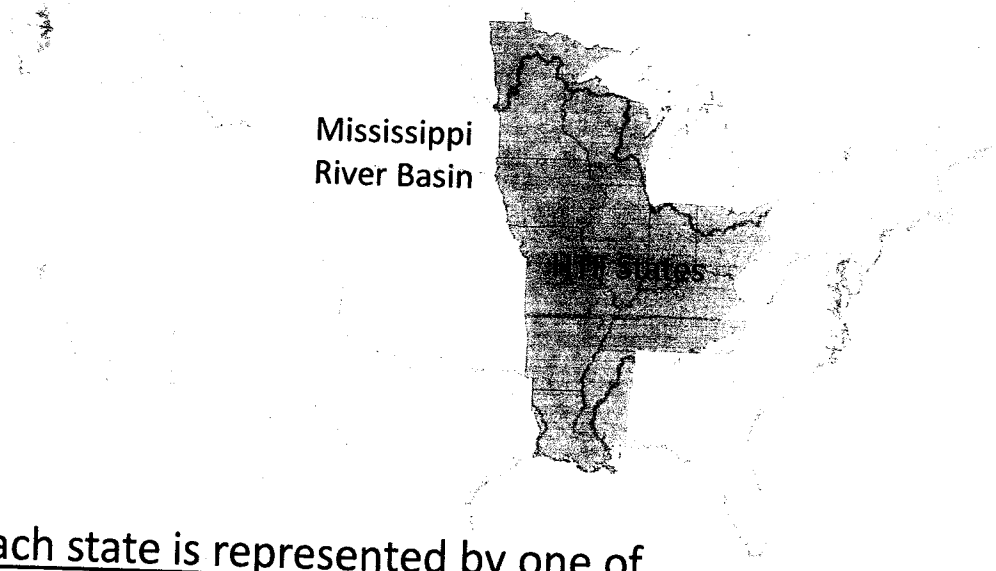
Hypoxia Task Force Members

Five Federal Agencies plus Tribes:

- US Army Corps of Engineers
- US Environmental Protection Agency
- US Department of Agriculture
- US Geological Survey
- National Oceanic and Atmospheric Administration
- National Tribal Water Council

12 State Agencies:

Arkansas
Missouri
Iowa
Tennessee
Minnesota
Indiana
Ohio
Louisiana
Illinois
Mississippi
Kentucky
Wisconsin



Each state is represented by one of

Agriculture agency, Environmental Quality agency, or Natural Resources agency

HTF Priority Activities

Nutrient Reduction Strategies

- All 12 states have developed strategies
- Focus on implementation in state priority watersheds

Tracking progress towards the goal

- Point Source Measures Report
- Nonpoint source (NPS) Measures
- Federal Accomplishments and revised Federal Strategy, 2016

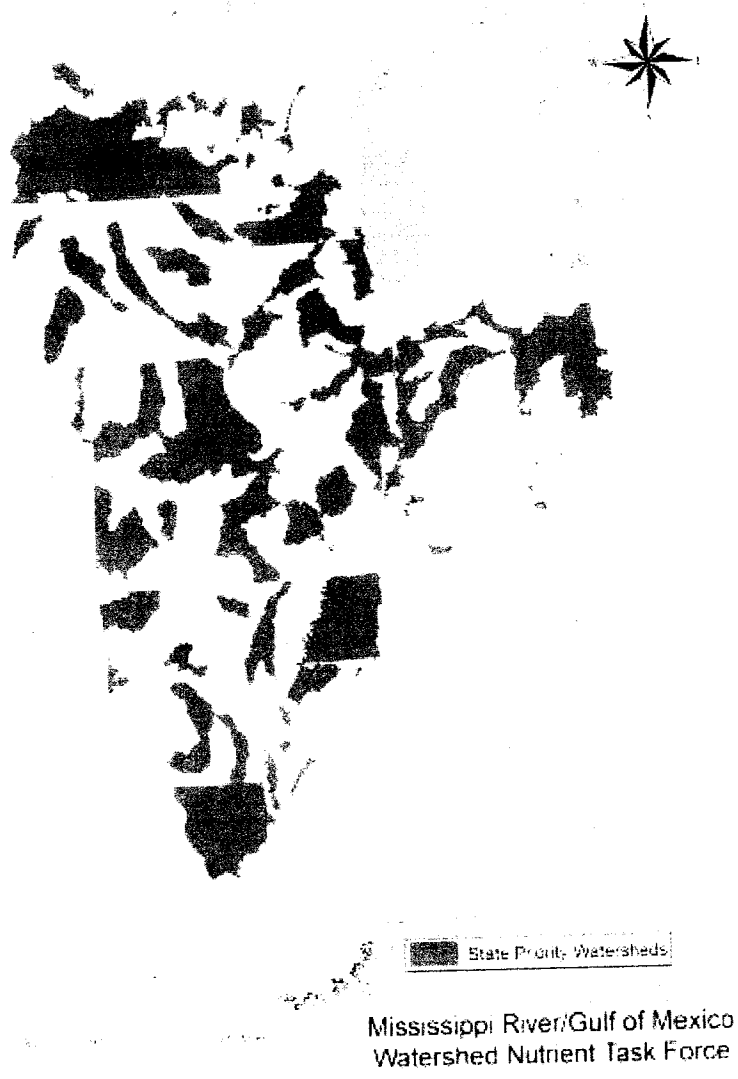
Continue to build and leverage partnerships, including with Land Grant Universities

- SERA-46 Priorities for Collaboration

Communicating Progress

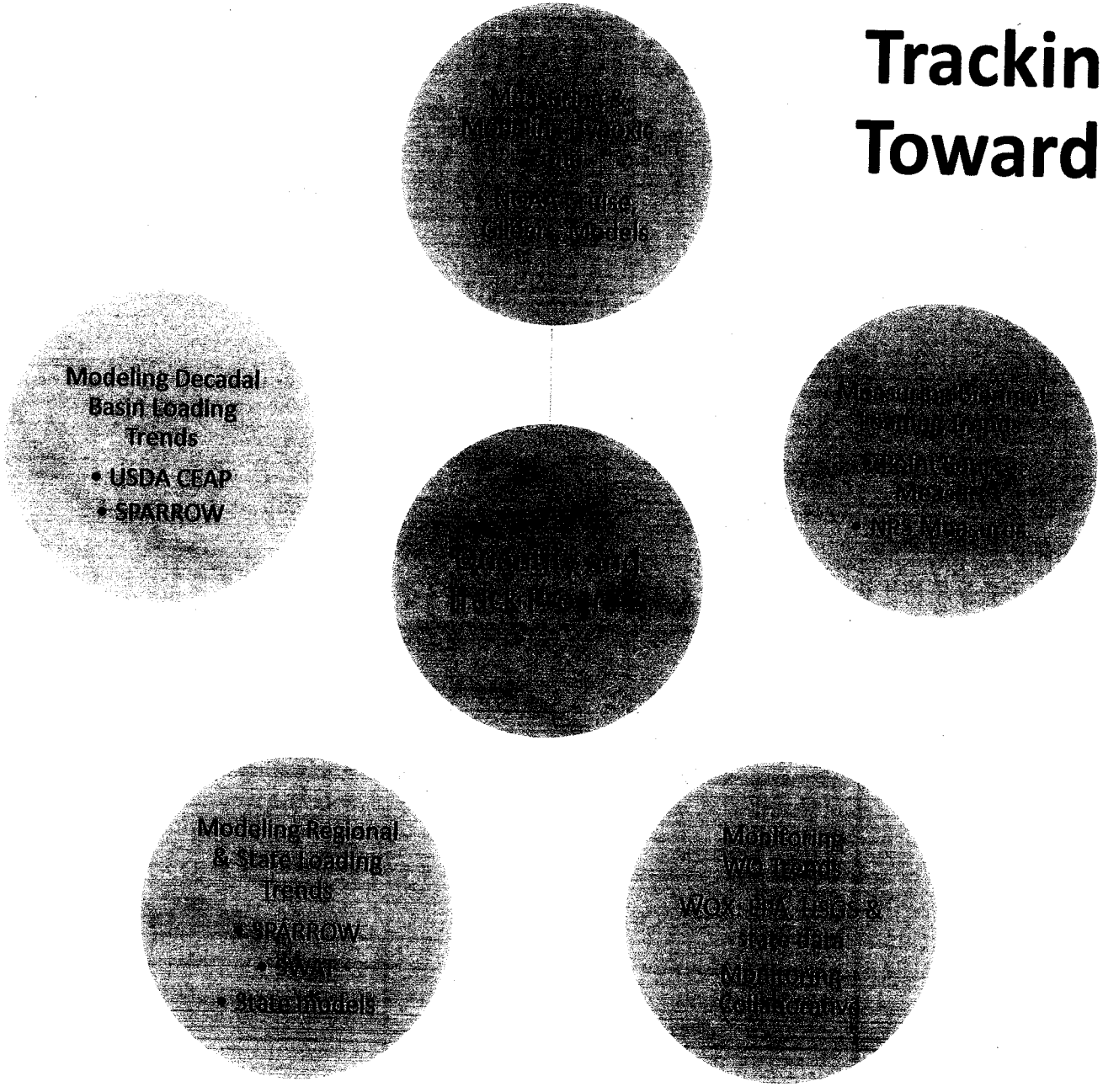
- 2017 Report to Congress

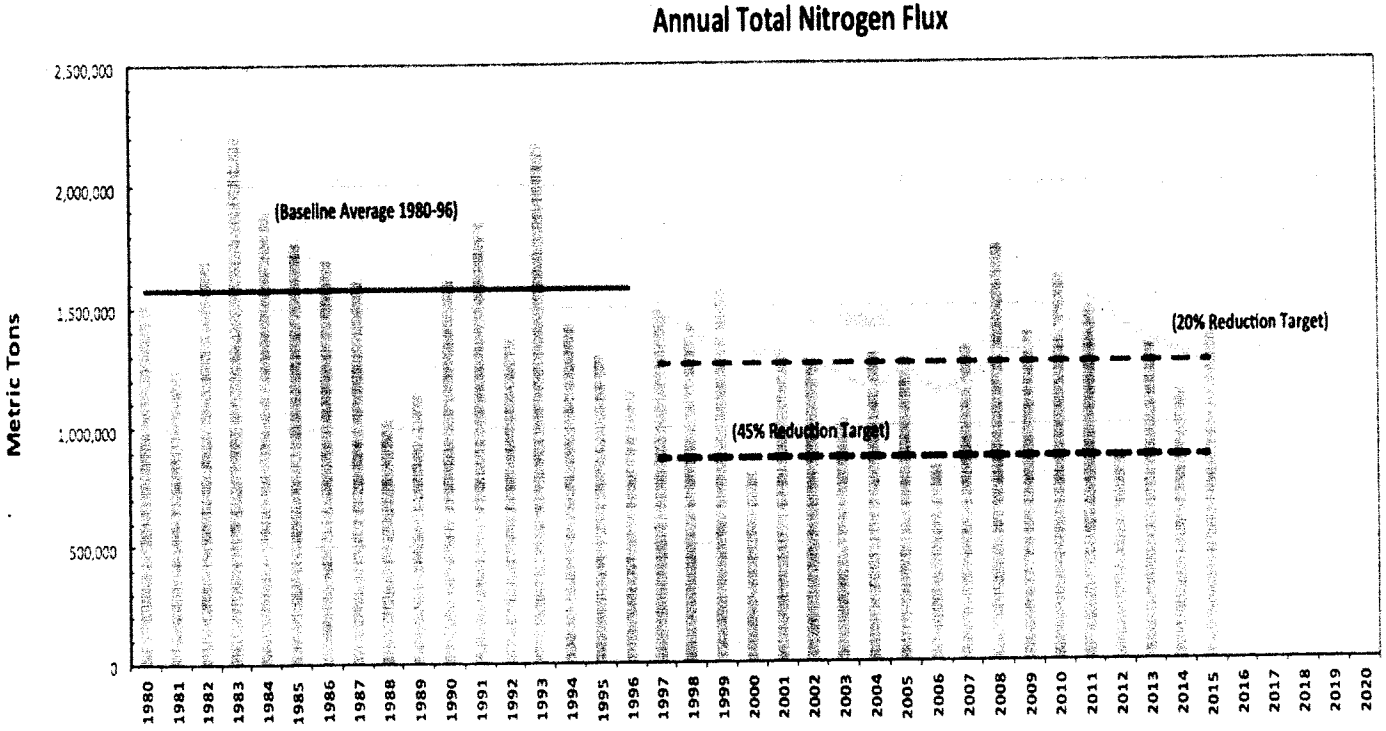
Priority Watersheds of the Hypoxia Task Force States



Mississippi River/Gulf of Mexico Watershed Nutrient Task Force

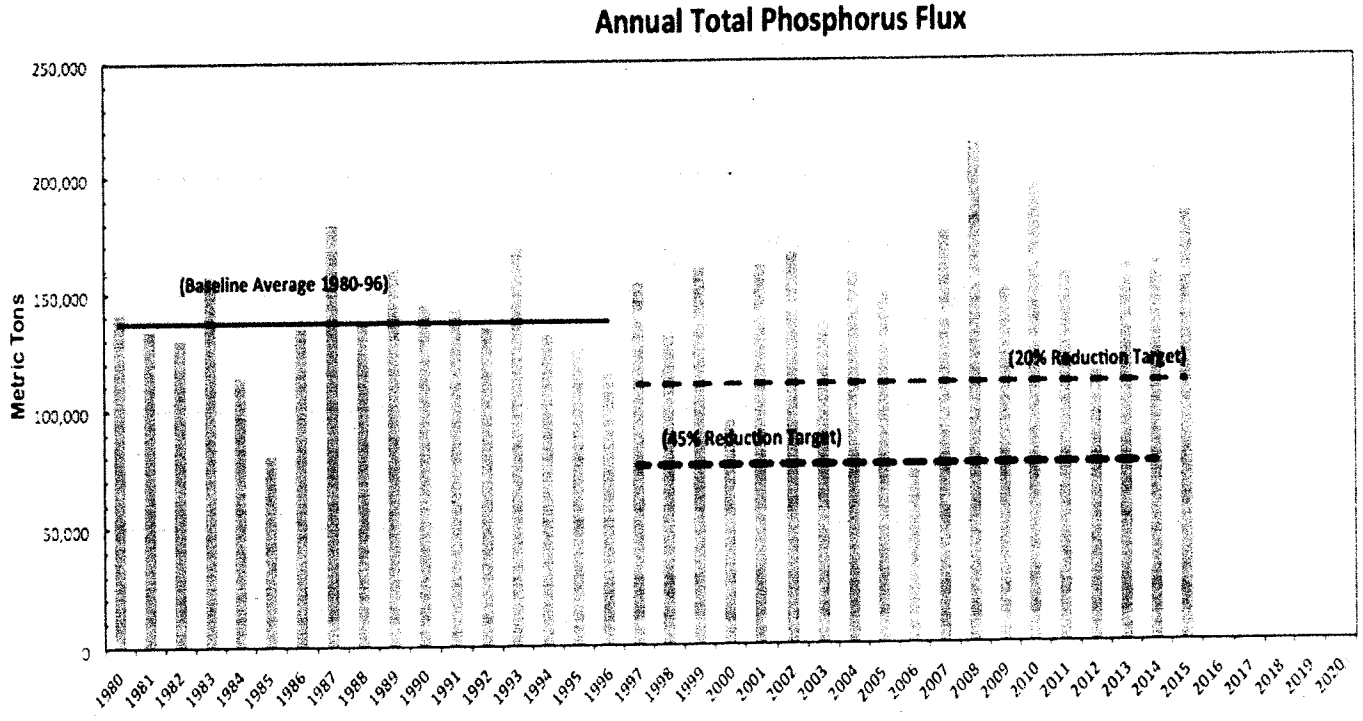
Tracking Progress Towards Our Goal





Tracking Progress:

Annual TN and TP loads in the MARB transported to the Gulf of Mexico from 1980 to 2015 (USGS 2017)



Forging State and Basinwide Connections & Partnerships to Implement Nutrient Reduction Strategies

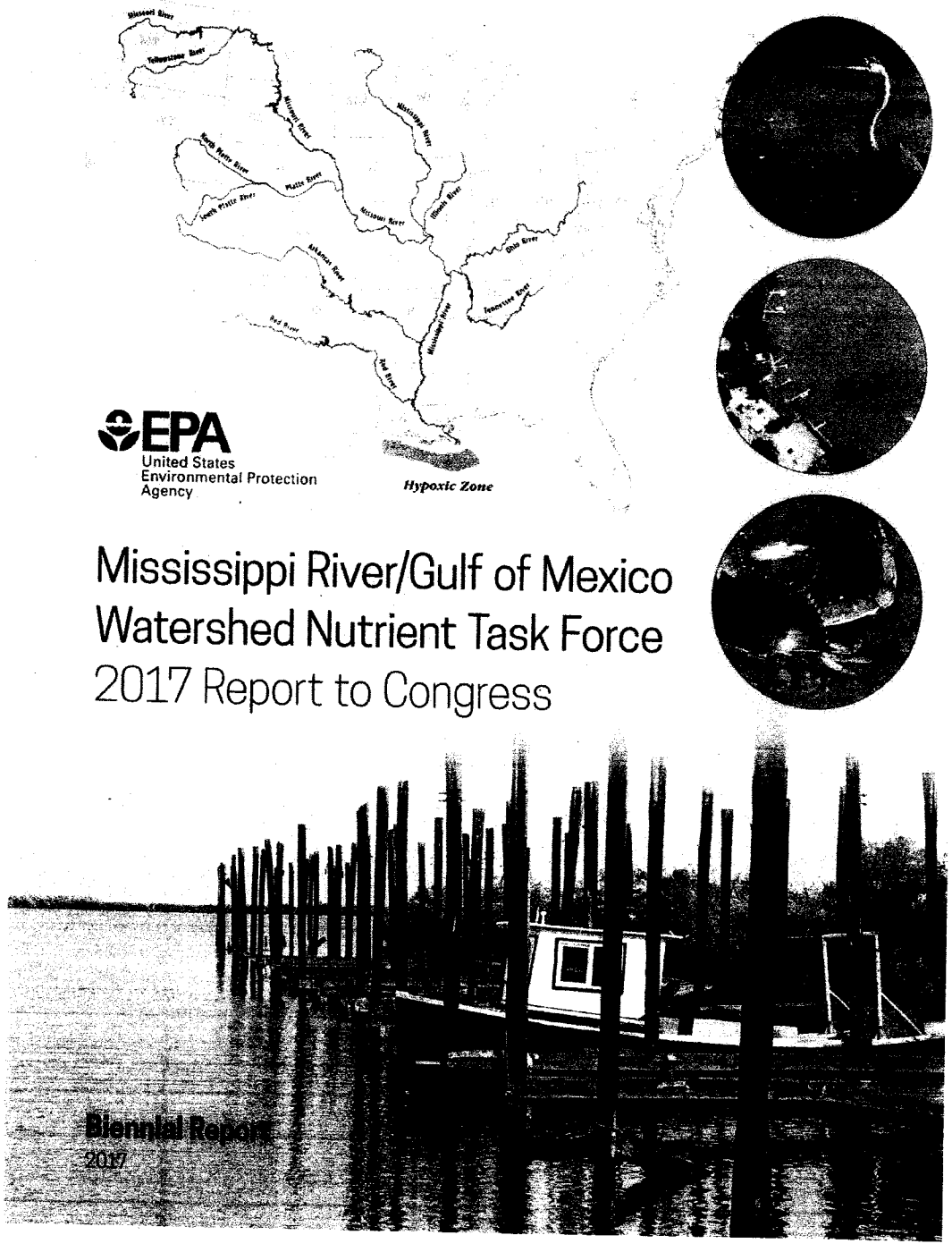
- In 2014, established MOU with Land Grant Universities in each HTF State; these LGUs formed a committee for collaboration , "SERA-46" (see next slide)
- Farmers and Agricultural Organizations: HTF members seek to encourage farmer-led actions that improve water quality and enhance ecological benefits and services
- Businesses, e.g., the Midwest Row Crop Collaborative, a coalition of ag/food industry and conservation NGOs seeking to accelerate sustainable ag practices while meeting production goals
- Cities and Communities, including municipal wastewater agencies and the communities they serve
- Other NGO Conservation Organizations seeking to restore and enhance natural resources in the MARB, e.g., The Nature Conservancy

Priorities for Collaboration with SERA-46

USDA-NIFA-supported multi-state Southern Extension and Research Activities Committee number 46 members are one research scientist and one extension specialist from each of the 12 Land Grant Universities

Activities include:

- Refining and expanding use of social and civic engagement indicators to assess and encourage non-government stewardship of nutrient reduction strategies
- Building capacity for watershed leadership and management in HTF states through training programs and leadership summits that engage farmers, farm advisors, and watershed practitioners
- Transforming drainage expanding current work to explore effective edge of field water management and nutrient reduction practices through water storage drainage systems
- Developing a Nonpoint Source Reduction Measurement Framework for tracking progress in the MARB
- Cross-MARB communication of science directly to state agencies for translation into their nutrient reduction policies and programs



For More Information:

2017 Report to Congress

Appendix

State Programs & Initiatives

Arkansas

- NRS focuses on outreach and grassroots implementation of nutrient reduction activities. Arkansas has invested significant effort to address point and nonpoint source nutrient loading through state, federal, and private partnerships.

Indiana

- SNRS, through the Indiana Conservation Partnership, ISDA and IDEM, is a commitment to reduce nutrient runoff into waters from PS and NPS, and IN has a public reporting tool by large basin that presents monitoring data and tracks load reductions through a public interface.
- Indiana Conservation Partnership uses EPA's Region 5 Nutrient Load Reduction model to determine the impact of assisted conservation efforts statewide on an annual basis.

Illinois

- Identified reduction goals to address hypoxia: 45 percent reduction in nitrate-nitrogen and total phosphorus; interim milestones of 15 percent reduction in nitrate-nitrogen, and 25 percent reduction in total phosphorus by 2025.
- The Illinois Nutrient Loss Reduction Strategy has five active implementation working groups that brings a wide variety of stakeholders to the table, notably the agricultural industry.
- The ag industry and the state provide funding to farmers to enhance nutrient management and reduce NPS.

Iowa

- Outlines efforts to reduce nutrients in surface water from both PS and NPS in a research-based, reasonable, and cost-effective manner.
- The state provides basin implementation funding for NPS reductions through the Water Quality Initiative.
- Permits for all PS with significant nutrient discharges are required to conduct influent and effluent monitoring and conduct feasibility studies for nutrient treatment upgrades.

State Programs & Initiatives

Kentucky

- Strategy developed with input from stakeholders representing broad interests: agriculture, industry, environmental advocacy, municipalities, conservation organizations, and federal and state partners. The strategy encompasses reduction from both point and nonpoint sources, as well as a variety of regulatory and cooperative approaches.

Louisiana

- Strategy implementation focuses on six key areas: (1) river diversions, (2) nonpoint source management, (3) point source management, (4) incentives, (5) leveraging opportunities, and (6) new science-based technologies/applications.
- LA provides an annual report showing progress on the strategic actions in the strategy.

Minnesota

- Mandatory riparian buffer initiative; deadlines for establishment of buffers on public waters and public ditches are 2017 and 2018 respectively.
- River P/eutrophication standards established: has had longstanding P standards for discharges to lakes. Newly established eutrophication standards are designed to protect flowing water.
- N fertilizer rule development for priority GW areas – fall restrictions and (in some cases) required BMPs
- Wastewater nutrient treatment certainty: hold fixed TP and TN limits for up to 20 years for facilities voluntarily employing options that remove and reduce parameters according to discharge permit limits.

Mississippi

- The approach involves increased coordination of MDEQ programs including Basin Management, NPS, TMDLs, WQ Monitoring, WQ Assessment, WQ Standards, and NPDES Permitting.
- Basin Management Approach involves stakeholder engagement and focuses on NPS actions in local areas.

State Programs & Initiatives

Missouri

- In response to expressed interest in nutrient trading during the development of the MO Nutrient Loss Reduction Strategy, established stakeholder work group in 2015 to examine WQ trading and develop a framework for interested stakeholders. Following a public comment period, the Missouri Clean Water Commission approved the framework in October 2016. WT6

Ohio KF [4]1

- In 2014 state law updated Ohio's regulatory structure geared to improving WQ. The bill requires fertilizer applicators to undergo education and certification by ODA, encourages producers to adopt NMPs, ODA to better track the sales and distribution of fertilizer throughout the state, and provides the authority to repurpose existing funding for additional BMPs.

Tennessee

- TN has a focus on soil health through the initiatives of the USDA NRCS and TDA. TN is third in the nation, behind Indiana and North Dakota in the number of acres of cover crops being planted.
- Supported in part by a grant from EPA, Tennessee has funded watershed modeling, using SWAT to determine the effects of installing conservation practices in a watershed

Wisconsin

- Permittees have the option of complying with new P permit limits through improved controls or through adaptive management or WQ trading. Both adaptive management and WQ trading offer the opportunity for point sources and NPS's in a watershed to work together to improve WQ.
- State's NPS performance standards and prohibitions include the cropland P index and requirements for nutrient management planning.

WT6 Mention their WQ funding?

Wall, Tom 1/18/2018

KF [4] IT's my understanding that this program is on hold for NPS's. I can't find this info on the website right now. This comment is for MO, correct?

[illegible]

Mississippi River
Gulf of Mexico
Watershed Nutrient
Task Force

Winter Meeting Agenda

Jan 31–Feb 2, 2018
Arlington, VA

Meeting Location

Key Bridge Marriott
1401 Lee Highway
Arlington, VA 22209

Meeting Outcomes

- Adopt a point source loading metric
- Consider/adopt a nonpoint source metric
- Recommend/report progress on flow-normalized load method for tracking progress
- New member introductions

Wednesday, January 31 – State and Federal Meetings, Executive Session

Morning: Travel

2:15 Concurrent State, Federal Meetings

Federal Meeting Agenda (EPA to convene Federal Meeting)

2:15 Member introductions (new members EPA, DOI, Army Corps)

2:25 Tribal Representation on the HTF, opportunities to engage additional tribes

2:45 Facilitated round robin of upcoming state and SERA-46 support and resource opportunities

3:30 Collaboration with the NPS Workgroup regarding federal conservation data

3:40 Adjourn

3:45 Welcome/Agenda Overview/Logistics (Barry Tonning, Tetra Tech)

- Welcome (new members)
- Brief Overview/History of the HTF (Benita Best-Wong, USEPA)

4:00 State Updates – Each state will have 5 minutes to discuss one powerpoint slide that offers reflections on up to two of the following:

- Description of successful watershed partnerships and project
- Partnerships with industry
- Success with State Legislature education
- Tracking progress and outcomes at the state level

5:00 Report out on Coordinating Committee Meeting in Biloxi, Mississippi

5:15 Adjourn

5:15-7 Evening Networking Session with Public

Thursday, February 1 – Public Meeting, Executive Session, NASDA Engagement

9:00 Welcome

Session Outcomes: describe to the public the work to date, driven by partnerships and stakeholder engagement to measure progress.

9:15 SERA-46 Update (Amanda Gumbert, University of Kentucky; Beth Baker, Mississippi State University; Mike Schmitt, University of Minnesota)

10:15 Tracking Progress: Brief overview of NOAA Science, NPS Workgroup Report, PS Workgroup Report, Modeling Workgroup

- NOAA Science (Alan Lewitus, NPAA)
- Flow Normalized Workgroup (Lori Sprague, USGS)
- Nonpoint Source Report (Matt Lechtenberg, Iowa DALS and Reid Christianson, University of Illinois)
- Point Source Report (Tom Wall, USEPA and Adam Schnieders, Iowa DNR)
- Modeling Workgroup Update (Katie Flahive, USEPA)

11:00 Field to Market Updates (Allison Thomson, Field to Market)

11:25 New Program - Iowa Cover Crop-Crop Insurance Demonstration Project (Matt Lechtenberg)

11:45 Comments from HTF and Public Comment Period

Noon Adjourn

12:30 Executive Session and Working Lunch

Session Outcomes: Consider and adopt new PS and NPS metrics and flow normalized load proposal

- Tracking Progress at the Mississippi River and Atchafalaya Basin Scale: Brief overview of the proposed metrics for adoption by the Nonpoint Source and Point Source Workgroups (Matt Lechtenberg, Tom Wall, Adam Schnieders)
- Implementation discussion
- Flow Normalized Load proposal
- Metrics discussion and adoption (facilitated by Barry Tonning)

2:30 Break

3:00 NASDA Engagement

Session Outcomes: State Departments of Agriculture from across the country will join those from the HTF to engage in a discussion on collaboration on implementing the Iowa strategy, Indiana State Department of Agriculture's stakeholder engagement work on the strategy, and Minnesota Department of Agriculture's collaboration with the LA Barateria-Terrebonne NEP. We will also hear from SERA-46 on LGU engagement with state DOA's and from and ACWA on nutrient reduction tracking.

- SERA-46 (Amanda Gumbert and Beth Baker)
- ACWA Nutrient Tracker (Adam Schnieders)
- Facilitated Round Robin, state and HTF highlights
- Open Discussion

5:00 Adjourn

Friday, February 2 – Coordinating Committee

[HTF members not present]

January 29, 2018 - February 4, 2018

January 2018

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

February 2018

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

Monday, January 29

← **Travel Itinerary**

12:00am EPA 2018 National Executive Leadership Development Conference (Washington D.C.) →

1:00pm - 1:30pm Biweekly Meeting with Directors: Vickie Tellis (SESD) (RA's Small Conference Room) - Glenn, Trey

Tuesday, January 30

← **Travel Itinerary**

← **12:00am EPA 2018 National Executive Leadership Development Conference** (Washington D.C.) →

10:30am - 11:00am LCP Discussion (RA's Conference Room) - Glenn, Trey

10:30am - 11:30am Radon Basics Webinar (Call in: 1-202-991-0477, Conference Code (b)(6) [redacted] - Milhollin, Chandler

Wednesday, January 31

← **12:00am Travel Itinerary**

Hill Visits (Washington D.C.)

9:00am - 9:30am Meeting with Congressman Bennie Thompson - Glenn, Trey

10:30am - 11:00am Meeting with Congressman Palazzo - Glenn, Trey

1:00pm - 1:30pm Meeting with Senator Isakson - Glenn, Trey

2:00pm - 2:30pm Meeting with Trey Glenn and Nancy Grantham (EPA HQ WJC-N Room 3407) - Glenn, Trey

Thursday, February 1

Friday, February 2

Saturday, February 3

Sunday, February 4

February 5, 2018 - February 11, 2018

February 2018

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

March 2018

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Monday, February 5

- **12:00pm - 12:30pm Biweekly Meeting with Directors: Beverly Banister** (RA's Small Conference Room) - Glenn, Trey
- **1:15pm - 2:15pm Meeting with Nick Tew: Oil and Gas** (Tuscaloosa, AL)
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen

Tuesday, February 6

- **MONTGOMERY, AL** (ALABAMA ENERGY DAY) - Bonner, Brenda
  Itinerary
- **3:30pm - 4:00pm Update: Misc. Water Items** (RA's Conference room) - Glenn, Trey

Wednesday, February 7

- **9:00am - 9:30am Discussion of Lead Region for ORD** (RA's Conference Room) - Glenn, Trey
- **10:00am - 10:45am All Managers Meeting** (9D and 9E) - Glenn, Trey
- **11:15am - 12:00pm Discussion: State Compliance Scheduling** (RA's Private Conference Room) - Glenn, Trey
- **12:00pm - 1:00pm Discussion - Business Review** (Anne's Office) - Heard, Anne
- **1:00pm - 2:00pm Meeting with HQ's ORD (Confirmed)** (RA's Conference Room) - Glenn, Trey
- **2:00pm - 2:15pm ORA Discussion** (RA's Conference Room) - Glenn, Trey
- **2:15pm - 3:00pm ORA Discussion** (RA's Conference Room) - Glenn, Trey
- **3:00pm - 3:45pm Compliance Assurance Activities Briefing** (RA's
- **3:30pm - 4:00pm Sr Leaders call regarding potential Shutdown**

Thursday, February 8

- **10:00am - 11:00am General Discussion with Charles Lee** (R4 RA Conference room) - Heard, Anne
- **12:00pm - 12:30pm Updates from Ken Lapierre** (RA's Conference Room) - Glenn, Trey
- **1:15pm - 1:25pm Trey to present Cynthia with retirement plaque:** (9D & 9E) - Hudson, Wanda
- **1:30pm - 3:00pm Stakeholder Meeting: Jim Jacoby w/Jacoby Development** (RA's Conference Room) - Glenn, Trey

Friday, February 9

- **1:30pm - 2:00pm Call with Charleston, SC's Mayor (John Tecklenburg)**
- **2:00pm - 3:00pm Check-In** (Phone) - Wagner, Kenneth

Saturday, February 10

Sunday, February 11

EVENT INFORMATION SHEET
(revised as of 08/28/2017)

EVENT:	Alabama Energy Day
WHAT IS THE DEADLINE FOR ACCEPTANCE?	1/16/2018
WOULD YOU BE WILLING TO ACCEPT A SUBSTITUTE IN THE EVENT MR. GLENN IS UNAVAILABLE? If so, what level of EPA representative are you looking for?	No thank you.
INVITATION BY: Also, please provide a brief description of your organization.	Energy Institute of Alabama: Policy group whose members include Alabama Power, TVA, PowerSouth, Alabama Rural Electric Coops., Alabama Municipal Electric Authority & Electric Cities of Alabama
EVENT DATE:	2/6/2018
WILL MR. GLENN BE REQUIRED TO PAY A REGISTRATION FEE? If yes, please provide specifics.	No.
TOPIC TO BE COVERED:	Region 4 Update
TIMEFRAME: When would you need Mr. Glenn to arrive and where should he report? What time would he be on the agenda?	Arrival by 8:45 AM Speech 9:00 AM
LOCATION: (include street address)	Alabama State House 11 S. Union Street Montgomery, Alabama 36130
INTRODUCTION BY:	Seth Hammett, Chairman of Energy Institute of Alabama or Alabama Representative Randy Davis
FORMAT/AGENDA (Please provide an agenda for the event.) **WHAT ARE YOU LOOKING FOR, i.e., SPEECH, POWERPOINT PRESENTATION, BOTH?**	Speech __x___ Powerpoint _____ Panel Member _____
PLEASE PROVIDE SPECIFICS ON HOW THE SESSION WILL FLOW, for example: total time allotted to Mr.	Speech: 30 minutes with Q&A (15 minutes)

Glenn, and if there will be questions afterward....Example: 30 minutes for speech; 15 minutes for Q&A.	
PLEASE DESCRIBE AUDIENCE/ATTENDEES:	Members of the Alabama Legislature, Energy officials from Alabama Power, TVA, PowerSouth, Alabama Rural Electric Coops., Alabama Municipal Electric Authority & Electric Cities of Alabama
PRESS/MEDIA (Indicate if open or closed press; if open, please provide specifics)	Closed press
BACKGROUND/COMMENTS:	
DRESS:	Business
IS THE EVENT CONSIDERED FUNDRAISER OR/SPONSORSHIP? YES OR NO. (If Yes, please explain.)	No
ARE YOU A REGISTERED LOBBYIST?	Yes
EVENT POC (AND TELEPHONE/CELL #): (Also, please include name and cell phone number of someone who will be at the event)	Blake Hardwich – 334.235.1718 – will be at event
Internal EPA: EPA SPEECH POC: EPA SUBJECT POC: STAFF PERSON ACCOMPANYING RA:	
OTHER COMMENTS YOU WOULD LIKE TO PROVIDE:	

Tuscaloosa: Oil & Gas Board Meeting
Montgomery: Alabama Energy Day
February 5-6, 2018

STAFF:	Brandi Jenkins	404-702-9239

Monday, February 5, 2018

12:30 (CST) Meeting with Dr. Nick Tew
Oil and Gas Board

Tuesday, February 6, 2018

NOTE: If you want to park in the parking deck enter on Adams Ave. The code for the deck is 41404#

8:45 am (CST) Arrival (you may partake in breakfast if you want)
RSA Plaza Terrace
770 Washington Ave
Montgomery, Alabama 36104

9:00 am (CST) Welcome and Introduction by Senator Cam Ward

9:10 am (CST) Keynote Address

9:40 am (CST) Q&A

For all other travel issue contact:
EPA Travel (513) 487-2346

Lead Region System

The purpose of the "Lead Region" system is to ensure the quality of agency decisions by providing an organized, consistent and effective regional role in all the major phases of Agency decision-making.

Lead Region Responsibilities

- foster open, candid, and consistent communication and collaboration among the regions and HQs
- advocate for the interests of all ten Regional Offices on a wide variety policy, resource and program-related issues
- work with HQ offices to identify and synthesize the concerns of all ten regions into a "regional view"
- develop effective ways to communicate the success and importance of national and regional programs
- systematically rotate assignments every two fiscal years & train the incoming lead region cycle

Lead Region Assignments

Lead Region FY 17-18	Assignments	Lead Region Coordinator	Lead Regions FY 19-20
1	Office of Land and Emergency Management (OLEM) (RCRA/UST)	Jeff Norcross	2
2	Office of Chemical Safety and Pollution Prevention (OCSPP)	Vickie Pane	3
3	OLEM (Superfund/ Brownfields/ Oil Pollution/ Chemical Emergency Preparedness and Prevention) + Office of Homeland Security (OHS)	Jill Lowe	4
4	Office of Research and Development (ORD) & Regional Science & Technology (RS&T)	Bobbi Carter	5
5	Office of Water (OW)	Kate Balasa	6
6	Office of Environmental Information (OEI)	Kim Graves	7
7	Office of Enforcement and Compliance Assurance & Office of General Counsel (OECA/ OGC)	Sarah LaBoda (OECA) Toni Gargas & Leslie Humphrey (OGC)	8
8	Office of the Administrator & Office of International and Tribal Affairs (OA/ OITA)	Laura Flynn Jenkins	9
9	Office of Air and Radiation (OAR)	Idalia Perez	10
10	Office of Administrator and Resources Management (includes OA - Office of Small Business Programs/Office of Civil Rights) Office of the Chief Financial Officer (OARM/ OCFO)	Andrea Westenberger	1
	Headquarters Lead for Lead Region Coordinators in Office of Regional Operations (ORO)	Alison Kent	

Lead Region for ORD & RS&T Priorities FY17-18

- STPC Representation
- Regional Science Hub Workgroup Lead
- Lab Enterprise HQ Workgroup
- Lab Business Case (Co-Chair)
- CWA Labs & Program Support
- State Engagement
- Lab Consolidation / Leased Lab Workgroup
- Communication of ORD Developmental & Grant Programs and ORD products to the Regions
- RS&T Representation to HQ

R4 Science Needs/Issues/Priorities as of 1/8/18

Superfund

1. Develop/issue toxicity values for PFAS (and, similarly Gen X) individual compounds or, alternatively a toxicity equivalent quotient for a group of PFAS's. As this emerging contaminant group becomes a more common requested analysis, determining what the data means for action decisions becomes more urgent. Additionally, the physical and chemical properties of PFAS's for analysis of fate and transport in groundwater and indoor air also should be developed and issued.
2. Develop updated asbestos sampling and analysis methodologies for soil. The current sampling and analysis recommendation is to perform activity-based sampling which can be both expensive and impractical. A correlation of soil concentrations and air concentrations measured by fluidized-bed analysis would allow for more cost-effective analysis.
3. Lead development/compilation of quantitative or semi-quantitative approaches for optimization of sampling frequency in groundwater and surface water to provide improved consistency in sampling and analysis for long-term monitoring. In coordination with the OSRTI optimization program, this has the potential to both save funding and ensure that important data is not missed.

Water Protection Division

1. **Emergent Unregulated Contaminants** – This includes PFOA/PFOS and Gen X. Our need is to quickly develop methods to determine allowable concentrations of these chemicals in discharges to ensure downstream drinking water intakes remain below health advisory levels. Also, determine technology needed to remove shorter chain PFAS from drinking water and for surface water discharges.
    - Point-of-Use drinking water treatment for emerging contaminants (ex. PFCs or cyanotoxins, anything on UCMR): Water system detection of unregulated contaminants at levels that exceed health advisories causes panic for consumers. Identification of effective POU treatment can provide a meaningful option for public health protection in this increasingly common situation.
    - Updates on unregulated contaminant research: It would be great if ORD could create fact sheets for unregulated contaminants that they are researching. I think they are conducting research on some of the named compounds in UCMR 3 and 4. If they could update the fact sheets periodically with study results, that would be helpful. We have received some requests from concerned citizens asking for more information about UCMR contaminants like Cr^6. If the fact sheets could contain information about where their studies are being conducted, MCL, health advisory for the state or region, and health impacts at the levels they are seeing in their research. It would be great if EPA folks had a fact sheet/study profile to distribute to the public

2. **Nutrients** – Affordable and effective technologies to retrofit existing types of municipal wastewater treatment systems for nutrient removal to achieve ecoregion-based reference criteria. This would include innovative and cost-effective nutrient removal technologies to meet very low limits with minimal carbon footprint.

3. **Wet weather, Pathogen removal** – research cost-effective peak wet weather management approaches for wastewater treatment plants and combined sewer system outfall treatment facilities with the purpose of meeting pathogen permit limits, water quality standards, and avoid wastewater treatment bypasses. This research should also include municipal stormwater discharges.

RCRA

1. **PFAS** - Develop toxicity values and determine physical and chemical properties for PFAS compounds of concern to better inform state and federal decision-making under RCRA at sites generating PFAS waste or with existing PFAS contamination. PFAS compounds are increasingly being found in the environment in all media. Fate and transport mechanisms, as well as remedial technology options, are not well understood for these compounds.

2. **PCBs** - Develop and implement a comparison study to evaluate the equivalence of alternate SW-846 extraction methods to those specified in 40 CFR Part 761 for PCB bulk product waste and non-liquid PCB remediation waste (3540C and 3550C). Such an evaluation could form the basis for an update to the PCB regulations or a policy statement that would allow the use of newer extraction methods that are more widely available and generate less laboratory waste. An added benefit of the study would be less confusion on the part of the regulated community and faster PCB cleanups.

3. **1, 4 Dioxane (I am waiting for specific needs from RCRA on this)**

APTMD

1. **Support for Agency's PFAS Workgroup's research needs, in support of our efforts stemming from GenX concerns in the Fayetteville, NC, area**. For example, the Region is in need of support for toxicity value development for priority/emerging Per- and Polyfluoroalkyl Substances (PFAS), research into air emissions inventories, ambient air and air emission stack testing and associated analytical development, and environmental fate/transport (e.g., atmospheric chemistry, deposition, modeling, etc.) and exposure assessment for airborne PFAS.

2. **Support for continued research on next generation air monitoring -- specifically lower-cost air sensors.** Region 4 and our state/local/tribal air quality agencies are interested in building capacity for better understanding air quality sensors, including understanding local air quality concerns and the utility of sensors for citizen use,

including lowering the cost of air quality studies. For example, EPA is currently collaborating with ORD on an ozone study in Louisville, KY.

3. **Data analysis for improved modeling of wildland fires and their impacts.** We have been working with Kirk Baker at OAQPS and a number of ORD researchers on RARE and RESES proposals related to these issues and are planning to submit the proposals in the 2018 RARE and RESES grant cycle.

Overview of US EPA's Office of Research and Development (ORD)

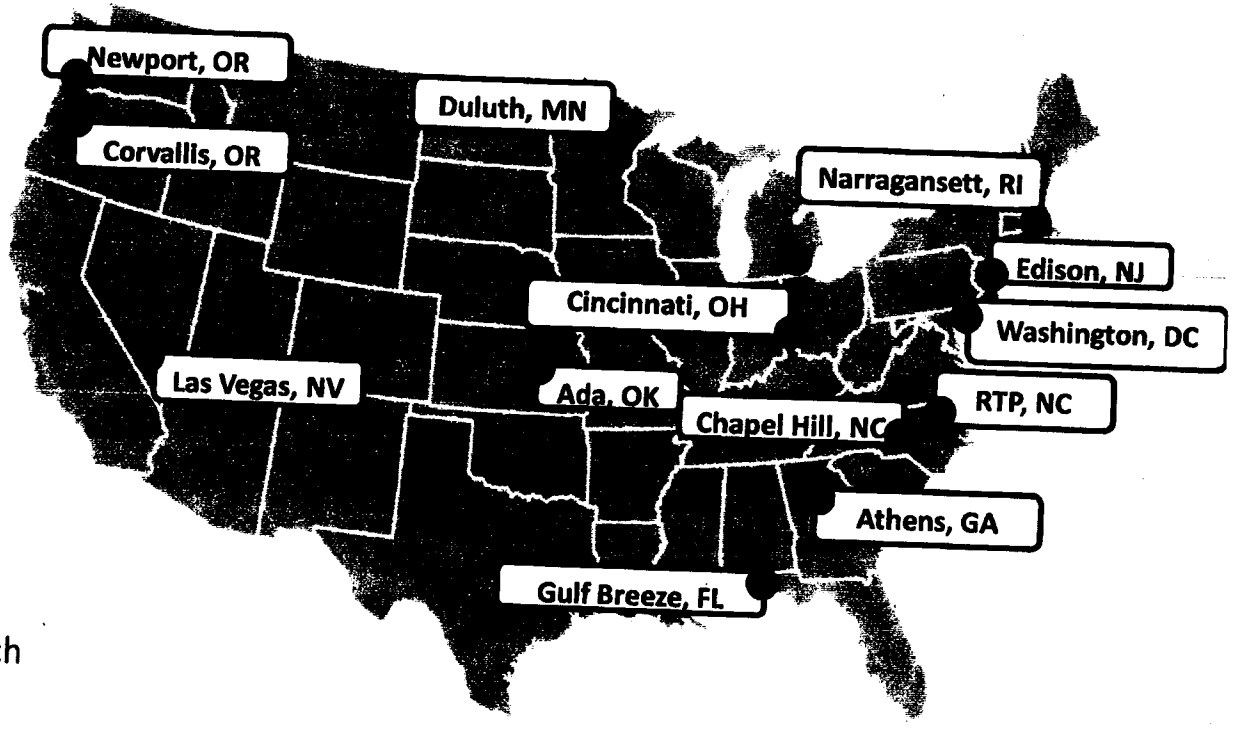
Jennifer Orme-Zavaleta
Principal Deputy Assistant Administrator for Science

February 7, 2018

ORD At A Glance

Our Mission

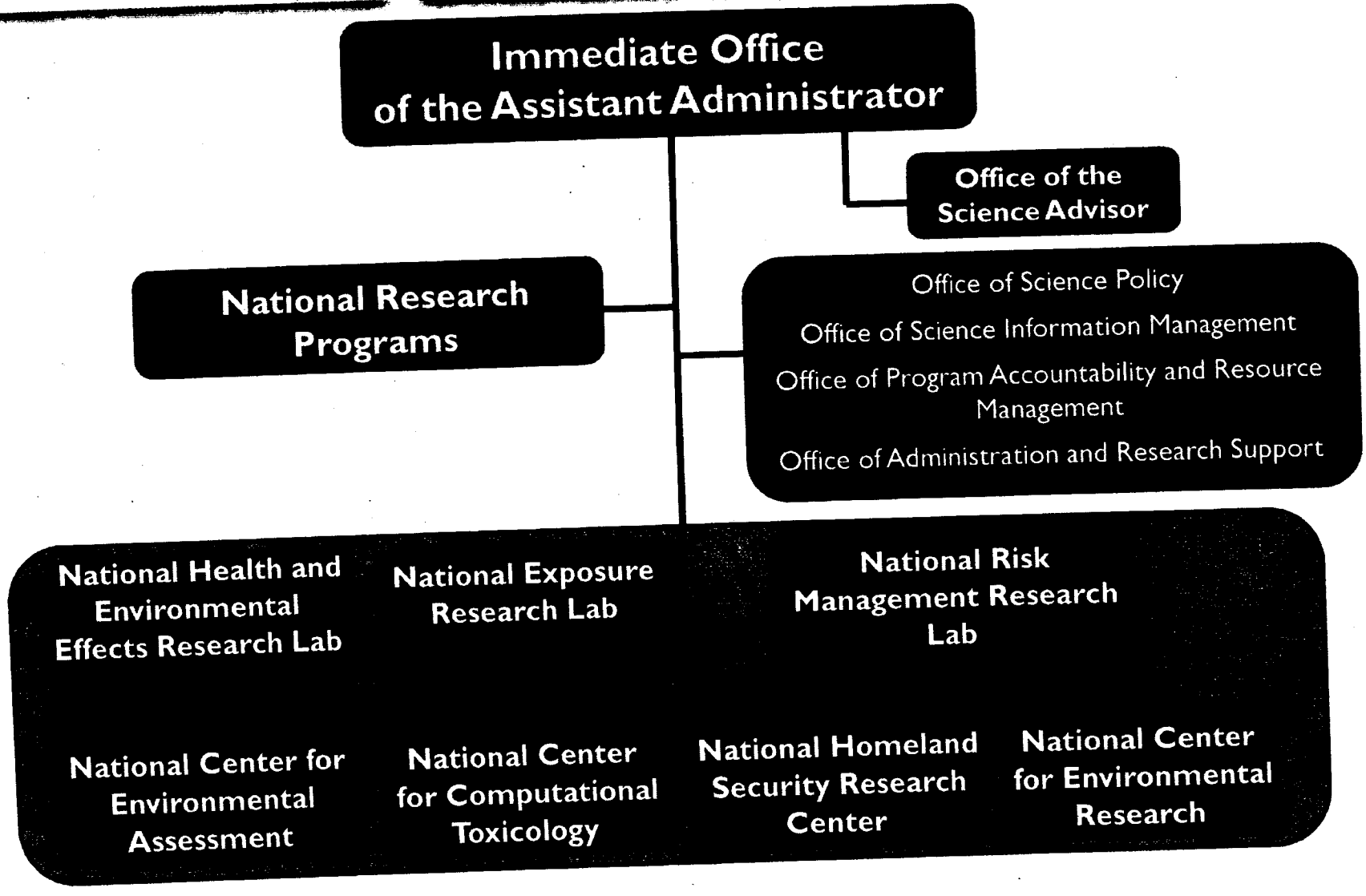
Provide the science, technical support, technology and tools to inform US EPA's mission to protect public health and the environment.



1,704 full time equivalents
$498 million budget
- $28 million extramural research grant program (STAR)

13 research facilities
(FY 2017 Enacted Budget)

ORD Organizational Chart



EPA

Research Authorization

US EPA's research provides science that is authorized by nearly 50 environmental laws including:

- **Toxic Substances Control Act:** "conduct such research, development, and monitoring as is necessary to carry out the purposes of this Act. The Administrator may enter into contracts and may make grants for research, development, and monitoring under this subsection."
- **Safe Drinking Water Act**: "conduct research, studies, and demonstrations relating to the causes, diagnosis, treatment, control, and prevention of physical and mental diseases and other impairments of man resulting directly or indirectly from contaminants in water, or to the provision of a dependably safe supply of drinking water."
- **Comprehensive Environmental Response, Compensation, and Liability Act:** "shall assure the initiation of a program of research designed to determine the health effects (and techniques for development of methods to determine such health effects) of such substance...and in combination with other substances with which it is commonly found."
- **Clean Air Act:** "shall establish a national research and development program for the prevention and control of air pollution."

ORD Research

ORD provides the scientific foundation for US EPA to execute its mandate to protect human health and the environment.

1. **Longer Term Research**: Conducts ***innovative and anticipatory*** research applied to a range of US EPA program and regional needs to solve longer term environmental challenges and provide the basis of future environmental protection.
2. **Research on Specific Environmental Challenges**: Experts provide research support to US EPA program and regional offices, as well as states, tribes and communities, to help them respond to contemporary environmental challenges.
3. **Technical and Emergency Support**: Because of our expertise, local, state and national officials come to us for technical support to respond to environmental crises and needs, large and small.

Research Programs

Air and Energy

- *Air pollution*
- *Modeling and decision support tools*
- *Sustainable energy*

Sustainable & Healthy Communities

- *Ecosystem services*
- *Human health*
- *Sustainable materials management*

Homeland Security

- *Water system security*
- *Resilience and remediating wide areas*

Chemical Safety for Sustainability

- *Computational toxicology and exposure*
- *Evaluation of risk across life cycle of manufactured chemicals, materials and products*

Human Health Risk Assessment

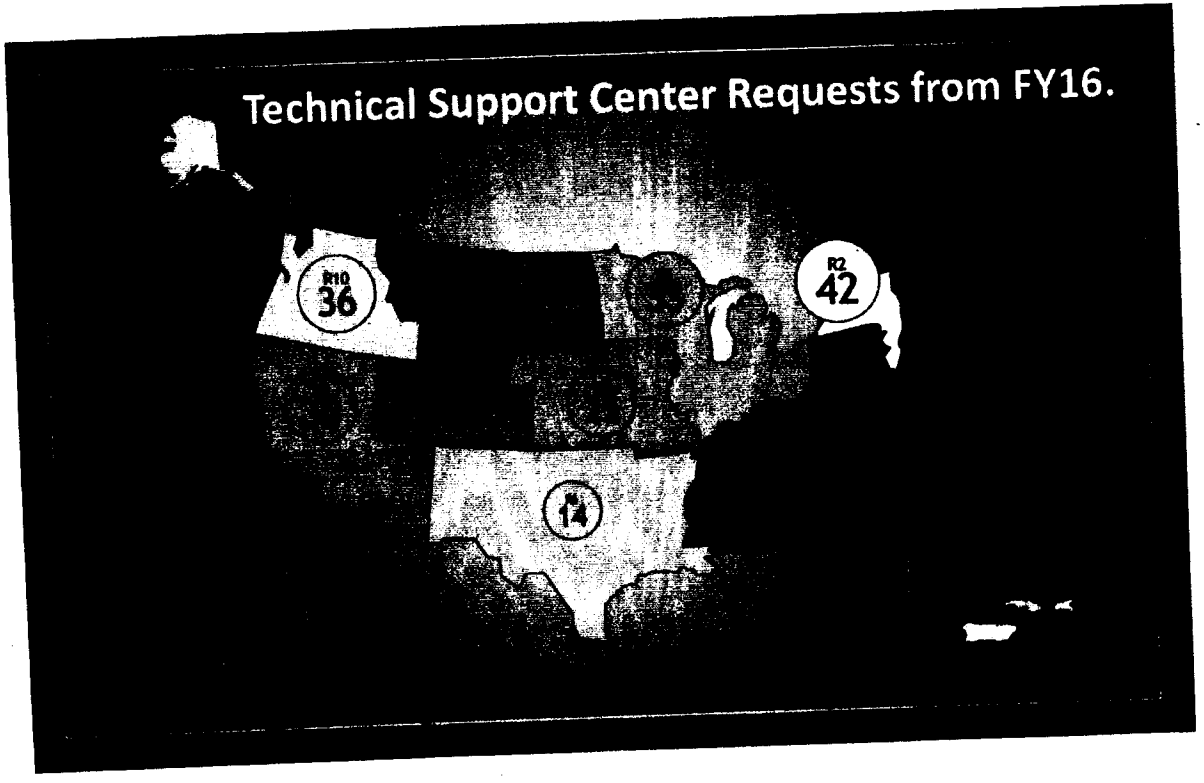
- *Risk assessments for specific chemicals*
- *Risk assessment methods*

Safe & Sustainable Water Resources

- *Drinking water treatment systems*
- *Surface water quality*
- *Green infrastructure*

Technical Support Centers

- ORD has Technical Support Centers that respond to requests from EPA's program offices and regions at Superfund, Resource Conservation & Recovery Act (RCRA), and Brownfields sites.
- For example, historical chemical manufacturing operations at a site in Riegelwood, North Carolina, have resulted in contaminated groundwater, surface water, soil, sediment, and aquatic biota. ORD centers reviewed data collected from the site and made recommendations for additional testing to inform cleanup decisions.



State Engagement

State Research Needs

- Through a series of state meetings and ECOS/Environmental Research Institute of the States (ERIS) surveys, ORD better understands the science needs of state environmental agencies. This information helps ORD ensure that our research is useful and practical for states to help address their on the ground problems.

ECOS and ORD: Partners for Meeting State Research Needs, Sept 2017

- This most recent summary compiles 78 stories of how ORD's work during the past 5 years has supported states in their efforts to protect human health and the environment.

Memorandum of Agreement with ECOS and the Association of State and Territorial Health Officials (ASTHO), April 2016

- Two ORD pilots with state partners on the *Wildfire Smoke Guide for Public Health Officials* and EPA's Community-Focused Exposure and Risk Screening Tool (C-FERST) in 2016/17.
- New project compiling state case studies as fact sheets with the goal to better understand how participating state agencies manage their PFAS and HABs risk communication to the public.

Webinars on Research Products and Tools

- *EPA Tools & Resources* monthly series addresses state identified priority areas and provides a mechanism for state input on ORD research (initiated Jan 2016).

Outreach and Collaboration

- Over the past 6 years, hosted ECOS members and other state officials to visit ORD labs to share our scientific capabilities and discuss research topics of interest to states.

"When we were faced with an emergency in Toledo due to cyanobacterial toxins detected in their treated drinking water, ORD staff was a great partner and exceeded our expectations in understanding science and helping optimize treatment and restore safe drinking water to our residents." —
Ohio EPA Director
Craig Butler

ORD Support for Region 4
February 7, 2018

Regional Science Priority and Support

- Water
  - PFAS
    - A Cross-Agency Workgroup was developed, co-chaired by the Office of the Science Advisor and Office of Water, to coordinate PFAS activities.
    - Analytical methods are being developed and validated to detect the presence of selected PFAS in water and soil.
    - A Chemical Standards Library is being developed to include the chemical reference samples for approximately 400 different PFAS.
    - Risk-based toxicity testing methods have been developed in coordination with EPA Program and Regional offices, and Federal and State partners, including NIH.
    - Treatment technologies for removing PFAS from drinking water systems are being developed.
    - Technical support for non-targeted and targeted analyses of PFAS in the Cape Fear River.
  - Nutrients
    - Sensor technology development
    - Satellite monitoring of HABs
    - Drinking water treatment methods
- Air
  - Next generation air monitoring technologies are being developed.
  - Air sensor technology and apps for monitoring health conditions during wildfires.
- Superfund
  - ORD Technical Support Centers respond to requests from EPA's program offices and regions at Superfund, RCRA, and Brownfield sites.

ORD Engagement

- ORD Regional Engagement
  - Regional Science Liaison
  - Superfund and Technology Liaison
  - Regionally-focused Research Programs and Activities
    - Regional Applied Research Effort (RARE)
    - Regional Sustainable Environmental Science Research Program (RESES)
    - Regional Research Partnership Program (R2P2)
    - Regional/ORD Community of Science Networking ORD State Engagement (ROCS-NET) Program
- ORD State Engagement
  - ORD partners with:
    - Environmental Council of the States (ECOS
    - Environmental Research Institute of the States (ERIS)
  - ORD interacts with:
    - Association of State and Territorial Health Officials (ASTHO)
    - Interstate Technology and Regulatory Council (ITRC)

NEIs

NEI Name: **Reduce Air Pollutants from the Largest Sources of Air Pollution**
NEI Start Date (FY): FY 2004
Primary Sectors or Focus Areas: NSR/PSD investigations to determine operational or physical modifications at a source that should have applied for a Best Available Control Technology permit.
Region 4 Progress to date: The NEI is completed in Region 4.

Sector	Universe	Cases in DOJ	Consent Decree Monitoring	% Non-compliance	Pollutant Reductions (tons)
Glass	22	3	4	32%	1,623
Acid	24	6	5	46%	8,530
Cement	20	2	6	40%	50
Coal-fired Utilities	284 units/100 power plants	0	8		3,830,856

FY18 Activities: Negotiations of judicial cases and monitoring of Consent Decrees is ongoing

NEI Name: **Cutting Hazardous Air Pollutants**

NEI Start Date (FY): FY 2004

Primary Sectors or Focus Areas: This NEI historically directed activities across a select sector.

There are 80 major source sectors each with a specific technology regulatory standard. There are 187 hazardous air pollutants under the Clean Air Act.

Region 4 evaluated the Pharmaceutical Maximum Control Technology Standard (MACT) and Secondary Aluminum MACT sector and found significant noncompliance.

Current directive allows for inspection/enforcement at any air toxics source for evaluating:
- Excess Emissions
- Flaring

Region 4 Progress to date: Region 4 is currently focusing on:
- Miscellaneous Organic National Emission Standard for Hazardous Air Pollutants MON).
- Organic Liquid Storage Tanks

Inspected 42 MON sources to date and issued one administrative order.
FY18 Activities: Currently there are 14 open investigations ongoing. There are 10 inspections and 4 addressing actions planned for FY 2018.

NEI Name: **RCRA Air Emissions**

NEI Start Date (FY): FY17

Primary Sectors or Focus Areas: Organic Air Emissions (RCRA Subpart AA, BB, and CC)

Under this NEI, the EPA will focus its air pollution reduction efforts on organic liquid storage tanks and/or air emissions from the handling of hazardous wastes. The EPA believes that large storage tanks can be significant sources of excess air emissions at many sites, including terminals, refineries, and chemical plants. The problems identified with large storage tanks include inadequate maintenance, design flaws and expansion of production volumes without corresponding increases in emissions control.

With regard to hazardous waste air emissions, the EPA has observed violations involving the improper use of monitoring and control devices by facilities, resulting in releases of emissions from RCRA regulated units. The EPA is particularly concerned about toxic air emissions resulting from the handling of hazardous waste at treatment, storage and disposal facilities and large quantity generators that fail to properly control hazardous waste air releases.

The EPA, using tools such as an IR camera, has been able to identify leaks and releases that in the past may have gone undetected. Many of the states do not have access to such equipment and lack the knowledge or training to conduct such inspections.

Region 4 Progress to date:

Training for regional personnel (skills, health and safety)

Equipment purchase

First round of inspections complete (FY17)

First major enforcement case (near settlement)

FY18 activities:

17 Compliance Evaluation Inspections planned (12% of all inspections)

State training and capacity building

NEI Name: **Ensuring Energy Extraction Activities Comply with Environmental Laws**

NEI Start Date (FY): FY2008

Primary Sectors or Focus Areas: Land-based gas wells and processing plants in Kentucky, Mississippi, and Alabama

Region 4 Progress to date: Inspected all processing plants (15) and 80 well sites.

Pursued non-penalty enforcement at eight facilities to repair leaks of volatile organic compounds based on results from the infrared camera. Generally using the General Duty Clause authority under the Clean Air Act which is not delegable.

FY18 activities: There are 3 inspections and 6 addressing actions planned in FY 2018.

Region 4 is phasing out of the NEI this fiscal year.

NEI Name: <u>Chemical Accident Risk Reduction (CARR)</u>

NEI Start Date (FY): FY17

Primary Sectors or Focus Areas: Ammonia Refrigeration, Chemical Manufacturing, Gas Processing, Fertilizer Distribution, Petroleum Refineries

Region 4 Progress to date:

FY17 - Region 4 conducted 31 NEI CARR Inspections:

- Ammonia Refrigeration 23 (Approx. 6% of R4 universe of 433)
- Chemical Manufacturing 8 (Approx. 13% of R4 universe of 63)
  - Includes one (1) FF (Holston Army Ammunition Plant)

FY18 – Region 4 conducted 3 NEI CARR Inspections (to date)

Evaluations and Actions in FY17:

- Region 4 performed 31 CARR NEI compliance evaluations.
- Region 4 developed 30 enforcement cases (ongoing)
- participated in a multi-Regional NEI CARR case (Dean Foods)
- developed a multi-State NEI CARR case (Peco Foods)

FY18 activities: Inspections

- Ammonia Refrigeration 6 (Approx. 2 % of R4 universe of 433)
- Gas Processing 2 (Approx. 7% of R4 universe of 30)
- Fertilizer Distribution 10 (Approx. 10% of R4 universe of 100)
- Chemical Manufacturing 6 (Approx. 10% of R4 universe of 63)

NEI Name: <u>Keeping Raw Sewage and Contaminated Stormwater Out of Our Nations's Waters</u>

NEI Start Date (FY): FY04

Primary Sectors or Focus Areas:

Combined Sewer Systems (CSS) serving a population ≥ 50,000

Sanitary Sewer Systems (SSS) with wastewater flow ≥ 10 mgd/day

Phase I Municipal Separate Stormwater Sewer Systems (MS4)

Region 4 Progress to date:

CSS: All 24 CSS, regardless of size, have been addressed by federal or state action

SSS: 153/155 addressed

MS4: Assessments completed for FL, KY, MS, and NC

FY18 activities:

CSS: Monitoring 5 open federal consent decrees
Consent decree amendment for SD1 (KY)

SSS: Negotiating 2 federal consent decrees
Hattiesburg, MS Meridian, MS

Monitoring 13 open federal consent decrees
Inspections planned
Jackson, MS (State led) DeKalb County, GA Cape Fear PUA, NC

Monitoring 16 open administrative orders

MS4: FY18 ACS commitment of 14 assessments, to be conducted in GA and AL

NEI Name: <u>Preventing Animal Waste from Contaminating Surface and Ground Water</u>

NEI Start Date (FY): FY04

Primary Sectors or Focus Areas: Dairies and horse tracks

Region 4 Progress to date:

Date	Inspections	Enforcement Actions
FY13	1	
FY14	1	
FY15	10	
FY16	11	A&E Livestock Administrative Order
FY17	8	Gulfstream Consent Decree

FY18 activities:

Tampa Bay Downs – continued investigation; awaiting response to 6/15/2017 308 request

Committed to 8 inspections; FY18 ACS measure no longer active

NEI Name: **Keeping Industrial Pollutants Out of the Nation's Waters**

NEI Start Date (FY): FY17

Primary Sectors or Focus Areas: Chemical Manufacturing

Food Manufacturing

Primary Metals Manufacturing

Mining

Region 4 Progress to date:

33 High Priority Facilities (HPF) identified – all facilities are direct dischargers of wastewater; facilities subject to pretreatment requirements or discharging stormwater only were not included in initial evaluation

3 inspections conducted at HPF (GA, KY, SC); 5 industrial stormwater inspections at mining facilities (GA)

FY18 activities:

Refining HPFL based on more recent DMR data

Inspections: FY18 ACS commitment = 10

1 inspection conducted at Chemours Mine (HPF), 3 additional inspections at facilities owned by parent company

Addressing Actions: FY18 ACS commitment = 4

Evaluating results from 3 FY17 inspections (GA, KY, SC)

Nyrstar zinc mining facilities – TN will take lead

Chemours mining facilities – FL will take lead

Compliance Assurance Activities
R4

Introduction

Measures (5 minutes)(OEC)

ACS Measures

- History & Process
- FY18 ACS measures for compliance assurance programs (Hand out)

Annual Certification

Activities

NEIs (30 minutes)

- History & process; When did they start, how are they established; how are they monitored during implementation; how do they end. (OEC- Technical Authorities) (5 minutes)

- Recap of each current NEI & R4's status (Media Divisions)(5 minutes per Division)

- Reducing Air Pollution from the Largest Sources
- Cutting Hazardous Air Pollutants (Expanded initiative for FY17-19)

- Ensuring Energy Extraction Activities Comply with Environmental Laws

- Reducing Pollution from Mineral Processing Operations (Returning to base program level in FY17)
- Reducing Risks of Accidental Releases at Industrial and Chemical Facilities (New initiative for FY17-19)

- Keeping Raw Sewage and Contaminated Stormwater Out of Our Nation's Waters
- Preventing Animal Waste from Contaminating Surface and Ground Water
- Keeping Industrial Pollutants Out of the Nation's Waters (New initiative for FY17-19)

General Compliance Activities not covered above (Media Divisions) (3 minutes per Division) (Inspections/Record Reviews/Program evaluations not covered above).

- RCRD
- APTMD
- WPD

Cynthia Peurifoy Retirement Celebration

Thursday, February 8, 2018, 1:00-3:00 pm

Conference Rooms 9D&E

1:00 -1:10 pm Gathering of guests and Cynthia's Entrance (music)

Retirement Program Agenda:

~1:10-2:15 pm

1:10 pm	**Welcome/Opening Remarks**	EJ Community Leaders
1:15 pm	**Presentation of Retirement Plaque**	T. Glenn & Anne Heard
1:25 pm	**Words from Division Directors**	B. Banister & K. Lapierre ...
1:35 pm	**Special Recognitions**	Spartanburg County Spartanburg Business Community Spartanburg Mayor's Office
1:45 pm	**Intermission | Special Performance**	.....
1:50 pm	**Special Presentations**	Franklin Hill, Anita Davis, Harold Mitchell, Charles Lee, Denise Tennessee
2:05 pm	**Closing Remarks**	TBD
2:15 pm	**Final Farewell**	TBD

<Mingle- refreshments, music, photos, etc.>

February 12, 2018 - February 18, 2018

February 2018

Su	Mo	Tu	We	Th	Fr	Sa
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March 2018

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Monday, February 12

1:00pm - 1:30pm Biweekly Meeting with Directors: Vickie Tellis (SESD) (RA's Small Conference Room) - Glenn, Trey

2:00pm - 3:00pm Senior Staff Meeting (Alm Room) - Cody, Karen

3:30pm - 4:00pm Biweekly Meeting with Directors: Leif Palmer (RA's Small Conference Room) - Glenn, Trey

Tuesday, February 13

11:15am - 12:00pm State and Tribal 404 Assumption (3233 WJCE Call in 202-991-0477 passcode:(b)(6) [redacted] - Ross, David P

1:00pm - 5:00pm February's Regional Monthly Review (RA's Conference Room) - Glenn, Trey

Wednesday, February 14

Itinerary

11:00am - 12:30pm TDEC Meeting (Nashville, TN)

Thursday, February 15

Meeting @ EPA HQ's Itinerary (Washington DC) - Glenn, Trey

1:00pm - 3:00pm Alan Farmer's Retirement Send-off - Rescheduled Event, February 15, 2018, 1-3pm (9D8&E) - Park, Susan

3:00pm - 4:00pm RESCHEDULED GSU/CUPP RECOGNITION CEREMONY - EAST POINT (RA's Conference Room) - Burns, Michael

Friday, February 16

404 Assumptions

11:00am - 11:45am Briefing: 404 Assumption and Army Corps (Administrator's Office / Dial-In for those traveling: 866.299.3188; Code:(b)(6) [redacted] - Cody, Karen

Saturday, February 17

Sunday, February 18

Office of Water Meeting Request Form

Date Received in OW: _____

OFFICE OF WATER MEETING REQUEST FORM

FOR: **David Ross** ___X_____ **Lee Forsgren** ___X_____ **Benita Best-Wong** ___X_____

Subject: State/Tribal efforts to assume dredged and fill permitting program (CWA §404(g)) Part 1

Meeting Requested By: Cathy Libertz **Date:** _____

Office Director Approval: John Goodin **Date:** 10 JAN 2018

Date Staff will be ready for this meeting by: _1/18/18_____

Latest date meeting can happen by: _2/2/18_____

Time Needed for meeting: **20 Minutes** _____ **45 Minutes** _____ **1 Hour** _X____ **Other** _____

Purpose of the meeting: Provide AA with first of two briefings on status and key issues regarding the State/Tribal efforts to assume dredged and fill 404 permitting program: second briefing will focus on options for moving forward on Assumable Waters FACA recommendations.

AA decision
Yes ___ **No** _X__

Provide AA with information? AA with information?
Yes _X___ **No** ___

What specifically is to be decided or presented? Why is a meeting needed?
State/Tribal assumption of the CWA 404 dredged or fill permitting program is a high priority action for the Administration. AA will receive information on current state/tribal efforts, background on the requirements, key process steps and upcoming milestones for individual states/tribes as well as policy direction on removing barriers to assumption (e.g., providing clarity on which waters are assumable).

Who will attend the meeting?
Mandatory Attendees (Give Full Names as listed in Outlook and Identify Office):
OWOW: John Goodin, Mindy Eisenberg, Michael McDavit, Catherine Libertz, Kathy Hurld

Optional Attendees (Give Full Names as listed in Outlook and Identify Office – please copy your own office's Special Assistant):
OW: Ann Campbell
OWOW: Katherine Weiler, Hazel Groman, Sandra Connors
OGC: Simma Kupchan, Carrie Wehling
OECA: Jeffrey Speir

AA/DAA Conference Technology - Please check all that apply:

- **Presentation** (e.g., PowerPoint or video file(s) uploaded to computer) _____
- **Conference Call Line** _____
- **VTC** _____ *[**VTC location(s)** (i.e., Region and room number) and a **VTC contact person(s)** must be provided to the OW-IO Schedulers no later than **24 hours in advance** of the meeting. If known at the time the meeting request form is submitted, please provide this information below.]*

Conference line to use for phone-in attendees:

_____

(NOTE: If your meeting will require a conference call line, please request that a conference call number be added to your meeting request form. It is recommended that you request that the OW IO scheduler use the conference call number for the appropriate OW manager being briefed, (i.e., Joel, Mike, or Ellen). If the program office chooses to use different conference call number for the meeting, the meeting POC will be responsible for opening the conference line with the appropriate PIN number.)

Person Providing Agenda for the Meeting:

Name: Kathy Hurld_____ **Phone: 566-1269**__

Person Providing Briefing Material (if any) for the Meeting:
Name: Kathy Hurld_____ **Phone: 566-1269**__

All meeting materials are due in BOTH hard copy and electronic copy no later than 3:00 p.m. the day before the meeting, unless the meeting is scheduled too late to allow this. Please provide one hard copy per OW principal attending.

- **Your office's scheduler or SA will email all electronic copies to Crystal Penman and Ann Campbell (for David Ross) or Crystal Edwards and Ann Campbell (for Benita Best-Wong).**

- **Deliver hard copies to:**
  - **Crystal Penman**: (3219 WJC East) **for Mike Shapiro and Lee Forsgren**
  - **Crystal Edwards**: (3223 WJC for) for **Benita Best-Wong**

Internal – predecisional – Exemption 5 Withhold

[Document Title] Briefing on CWA 404(G) Program

Internal – Predecisional – Exemption 5 Withhold

Briefing on Current Clean Water Act § 404(g) Issues

404(g) Program Overview – Appendix 1

Internal – Predecisional – Exemption 5 Withhold

Briefing on Current Clean Water Act § 404(g) Issues

Appendix 2 – Assumable Waters

Draft/Attorney-Client Privileged – Exemption 5 Withhold

February 2018

Appendix 3: Endangered Species Act:

Issues Associated with Florida's Effort to Assume the CWA § 404 Program

Internal-Predecisional – Exemption 5 Withhold

Briefing on Current Clean Water Act § 404(g) Issues

404(g) Program Overview – Appendix 4

Briefing on Current Clean Water § 404(g) Issues

Inter-Predecisional – Exemption 5 Withhold

Florida's CWA §404 Program Assumption Effort

Internal Briefing for David P. Ross – February 15, 2018

Draft Internal & Predecisional – Exemption 5 Withhold

Briefing on Current Clean Water Act § 404(g) Issues

Status of State Efforts and State Administration

Internal-Predecisional – Exemption 5 Withhold

Briefing on Current Clean Water Act § 404(g) Issues

Appendix 5 – State Issues

Internal-Predecisional – Exemption 5 Withhold

TDEC Visit – Nashville, TN
February 13-14, 2018

STAFF:	None	

Tuesday, February 13, 2018

Depart Atlanta, GA in GOV

Wednesday, February 14, 2018

10:00 am Meeting with Bob Martineau
TN Tower
312 Rosa L Parks Blvd
Nashville, TN 37423

NOTE:
Please enter the parking garage on Charlotte Ave (312 Rosa L Parks Ave - between 7th and Rosa L Parks Ave). Once you have entered the garage, you will be greeted by a security guard. The guard will ask for your name and a photo id. The security guard will provide you with a visitor's badge and assign a parking spot. The visitor's badge will allow the visitor to enter the building.

Once you enter the building turn left (as you enter from the garage) go through the doors and turn right, the entrance to TDEC will be on your left. You will meet Commissioner Martineau in his conference room located on the 2nd floor.

Starbucks is located on the 3rd floor if you need to get some coffee

For flight changes contact:
BCD Travel: (866) 964-1346
Agency Record Locator R8JD02
$34.50 per change

For all other travel issue contact:
EPA Travel (513) 487-2346

Meeting with the Administrator
Washington, D.C.
February 15-16, 2018

Additional Region 4 Staff:

Name	Telephone #	Transportation
None		Public Transportation will be utilized

Thursday, February 15, 2018

FLIGHT:

Leave: Atlanta via Delta 1531 at 11:10 am
Arrive: Washington, D.C at 12:52 pm
Seat: 19C
Confirmation Number: JKRYGF

Hotel:

JW Marriott
1331Pennsylvania Ave NW
Washington, D.C. 20004
Phone: (202) 393-2000
Check-in: Thursday, February 15th after 3 pm
Check-out: Friday, February 16th by Noon
Confirmation Number: 84332719

M&IE

2/15/2018	$51.75	2/16/2018	$51.75

3:15 – 4:00 pm 404 Assumptions & Army Corps Administrator's Office

Meeting with the Administrator
Washington, D.C.
February 15-16, 2018

Friday, February 16, 2018

FLIGHT:

Leave: Washington, D.C. via Delta 639 at 8:00 am **Arrive: Atlanta at 9:57 am** **Seat: 36D** **Confirmation Number: JKRYGF**

For flight changes contact:
BCD Travel: (866) 964-1346
Agency Record Locator PDB4FU
$34.50 per change

For all other travel issue contact:
EPA Travel (513) 487-2346

February 19, 2018 - February 25, 2018

February 2018

Su	Mo	Tu	We	Th	Fr	Sa
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March 2018

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Monday, February 19

Federal Holiday - President's Day

Tuesday, February 20

9:00am - 10:00am Disability Awareness Refresher Training (Open Invite for Details Please) (9D & E) - Robertson, Veronica

12:00pm - 12:30pm Region 4 National Award Nominations (RA's Conference Room (immediately following Staff meeting)) - Glenn, Trey

12:30pm - 1:00pm Biweekly Meeting with Directors: Beverly Banister (RA's Small Conference Room) - Glenn, Trey

12:30pm - 12:50pm EJ Structure (RA's Private Conference Room) - Glenn, Trey

1:00pm - 1:45pm Oakridge Briefing (RA's Conference Room (404) 562-9997 Code: [redacted] - Glenn, Trey

3:30pm - 4:00pm Biweekly Meeting with Director: Franklin Hill (RA's Small Conference) - Glenn, Trey

Wednesday, February 21

12:00am Florida Stakeholder's Meeting (Tallahassee, FL) - Glenn, Trey

Thursday, February 22

12:00am Florida Stakeholder's Meeting (Tallahassee, FL) - Glenn, Trey

9:30am - 11:30am Supervisory Update Session 13: Thur. Feb 22, 2018 (Training Rm 9E, 9th Floor) - Langley, Charmita

10:00am - 10:45am Briefing-Mary Walker (RA Office) - Glenn, Trey

11:00am - 12:00pm BF Goodrich Briefing (RA's Conference Room) - Glenn, Trey

12:30pm - 1:00pm MFG Enforcement Case (RA's Conference Room) - Glenn, Trey

1:00pm - 1:15pm Briefing-SF Cost Accounting (RA Office) - Glenn, Trey

1:15pm - 1:45pm SD1 Briefing (RA's Conference Room) - Glenn, Trey

Friday, February 23

3:45pm - 4:30pm AA/RA Discussion of Enforcement and Compliance Issues - Region 4 (Susan will contact Trey at (334) 201-1818.) - Bodine, Susan

Saturday, February 24

Sunday, February 25

DISABILITY AWARENESS TRAINING

"INCLUSION DRIVES INNOVATION"

February 20, 2018

9:00am - 10:00am (Managers only)

2:00pm - 3:00pm (All Employees)

9D & E Training Rooms

VTC for SESD and Gulf of Mexico

Presentations:

- Schedule A
- "Inclusion Drives Innovation"
- Reasonable Accommodations
- Section 508

I AM ***Dive sity!***

Contact Veronica Robertson (x28389) or Renee Wootson (x28241)

R4 Office of Civil Rights

EPA United States Environmental Protection Agency

Florida Stakeholder Visit
Tallahassee, Florida
January 20-22, 2018

Wednesday, February 21, 2018

8:30 – 10:30 am

External Stakeholder Roundtable
Chamber of Commerce Building
136 S. Bronough Street
Tallahassee, Florida 32301

NOTE: Secretary Valenstein will attend the roundtable

All meetings except lunch will be held in FDEP's Building
3900 Commonwealth Blvd, Tallahassee, FL 32399

11:00 am

Meeting with Water Management District Executive Directors and FDEP
Room 170
(an agenda and the bios are included)

12:00 pm

Lunch with Noah Valenstein
TBD

2:00 pm

Meeting with FDEP Executive Leadership
Secretary Valenstein's Conference Room

3:00 pm

Roundtable Discussion ~ 404
FDEP Attendees:
Noah Valenstein, Secretary
John Truitt, Deputy Secretary for Regulatory Programs
Megan Seward, Regulatory Programs

4:00 pm

Roundtable Discussion ~ Everglades Water Quality
FDEP Attendees:
Noah Valenstein, Secretary
Drew Bartlett, Deputy Secretary for Ecosystems Restoration

Florida Stakeholder Visit
Tallahassee, Florida
January 20-22, 2018

Additional Region 4 Staff:

Name	Telephone #	Transportation
Brandi Jenkins	(404) 702-9239	Brandi will have a rental
Allison Wise	(678) 938-6299	
Kelly Williams (FDEP)	(850) 363-9000	

Tuesday, February 20, 2018

FLIGHT:

Leave: Atlanta via Delta 1813 at 4:20 pm
Arrive: Tallahassee, Florida at 5:25 pm
Seat: 25C
Confirmation Number: JPV4K8

Hotel:

Doubletree by Hilton Hotel Tallahassee
101 South Adams Street
Tallahassee, Florida 32301
Phone: (850) 224-5000
Check-in: Tuesday, February 20th after 3 pm
Check-out: Thursday, February 22nd Noon
2 Queens Upgraded
Confirmation Number: 90769299

M&IE

2/20/2018	$40.50	2/21/2018	$54.00
2/22/2018	$40.50		

Florida Stakeholder Visit
Tallahassee, Florida
January 20-22, 2018

Thursday, February 22, 2018

FLIGHT:

Leave: Tallahassee via Delta 725 at 7:00 am
Arrive: Atlanta at 8:07 am
Seat:
Confirmation Number: JPV4K8

For flight changes contact:
BCD Travel: (866) 964-1346
Agency Record Locator SX3J7W
$34.50 per change

For all other travel issue contact:
EPA Travel (513) 487-2346

Supervisory Update Plan Quick Explanation

Required courses are shaded in green. You must take each of them.

Three classes are delivered as in-house classes.

Session 1 (Awards/ Promotions/Poor Performers)
Session 2 (Talent Management Topics)
Session 3 (PARS)

Six are delivered as elearning classes

Session 4 (Motivating Others)
Session 5 (Constructive Feedback)
Session 6 ((Coaching)
Session 7 (Mentoring)
Session 8 (Leadership)
Session 9 (Telework)

Note:

- All EPA staff have elearning accounts with Skillport. Thousands of courses/books available 24/7.
- A suggested elearning course list is attached but you may select a course from the designated topics that is not on the list.

Elective courses are shaded in yellow. You must take 7 hours (or points) from the 12 available.

Six are delivered as In-house classes

Session 10 (Merit System/EEO)
Session 11 (Personnel Matters)
Session 12 (Labor/Employee Relations)
Session 13 (Budget/Contracts/SBA/Records Mgmt./etc.)
Session 14 (Travel/Fleet/Property/Safety)
Session 15 (Quality Assurance)

Two are elearning electives

Session 16 (Conflict Management)
Session 17 (Performance)

Alternative /Optional Learning may be used as substitutes for listed courses

You may receive credit for a course topic/class by taking another class with the same topics from any source other than the Supervisory Update Courses (in coordination with the program manager), by reading a book, details, or special assignment..

How to Substitute an Alternative Course for a Required or Elective Course

As of April 8, 2015

Supervisory Update Plan Quick Explanation

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How to Substitute an Alternative Course for a Required or Elective Course

As of April 8, 2015

Supervisory Update Plan Quick Explanation

There have been numerous questions as to how one receives credit for supervisory learning that is not specifically a part of the Supervisory update curriculum and substitute that learning experience for a Supervisory update requirement. This document is intended to provide some explanation and process. Please do not think of this document as a form that you must use to obtain credit, but as a diagram or explanation of process.

Step 1. Review the course curriculum	**Step 2.** Select course topic to be substituted	**Step 3.** Request the substitution/ provide description of learning event to occur/that has occurred. Preapproval for a substitution is recommended.
Mandatory		I request that I be allowed to substitute the supervisory update Coaching Session 6 with the LDI's upcoming "Coaching Techniques for Managers" training, attached is a course description. Upon completion of this training I will provide you with documentation of my completion.
Session 1 (Awards/ Promotions/Poor Performers)		
Session 2 (Talent Management Topics)		
Session 3 (PARS)		
Session 4 (Motivating Others)		
Session 5 (Constructive Feedback)		
Session 6 ((Coaching)	x	I request that I be allowed to substitute the supervisory update Leadership Session 8 with the Reading of " Leadership from The Inside Out" Upon completion of this book I will self certify completion and provide you with documentation of my completion.
Session 7 (Mentoring)		
Session 8 (Leadership)	x	
Session 9 (Telework)		
Elective		Step 4 Provide completion documentation
Session 10 (Merit System/EEO)		
Session 11 (Personnel Matters)		
Session 12 (Labor/Employee Relations)		
Session 13 (Budget/Contracts/SBA/etc.)		
Session 14 (Travel/Fleet/Property/Safety)		
Session 15 (Quality Assurance)		
Session 16 Conflict Management		
Session 17 Performance		

As of April 8, 2015

Supervisory Update Plan Quick Explanation

As of April 8, 2015

Supervisory Update Training Schedule

January 17, 2018 – September 19, 2018

Session	Date	Location	Time	Topics	Presenters
Session 13	Wed. January 17, 2018 Rescheduled due to inclement weather: September 19, 2018	9E	1:00 pm – 3:30 pm	• Budget .5 hr. • Contracts .25 hr. • Small Business .25 hr. • Time & Attendance .25 hr. • Pay .25 hr. • Records Management .5 hr.	K. Eubanks G. Krieger G. Krieger K. Walton K. Walton L. Gross
Session 13	**Thur. February 22, 2018**	**9E**	**9:30 am – 11:30 am**	• **Budget .5 hr.** • **Contracts .25 hr.** • **Small Business .25 hr.** • **Time & Attendance .25 hr.** • **Pay .25 hr.** • **Records Management .5 hr.**	**K. Eubanks** **G. Krieger** **G. Krieger** **K. Walton** **K. Walton** **L. Gross**
Session 14	Wed. March 21, 2018	10T33., 10th Fl	1:00 pm – 3:30 pm	• Travel System and Card 20 min. • Subsidized Transportation 20 min. • Fleet .20 min. • Property 20 mi. • Security 20 min.	M. Wright M. Wright W. Greene D. Fortson, R. Willis, P. Graham E. Robertson
Session14	**Thur. April 19, 2018**	**9E**	**9:30 am – 11:30 am**	• **Travel System and Card 20 min.** • **Subsidized Transportation 20 min.** • **Fleet .20 min.** • **Property 20 mi.** • **Security 20 min.**	**M. Wright** **M. Wright** **W. Greene** **D. Fortson, R. Willis, P. Graham** **E. Robertson**
Session 15	Wed. May 23, 2018	9E	1:00 pm – 3:30 pm	• Quality Assurance 1.0 hr. • Safety .5 hr. • Scientific Integrity .5	S. Aker, Liza Montalvo B. Scott M. Maycock
Session 15	**Thur. June 21, 2018**	**9E**	**9:30 am – 11:30 am**	• **Quality Assurance 1.0 hr.** • **Safety .5 hr.** • **Scientific Integrity .5**	**S. Aker, Liza Montalvo** **B. Scott** **M. Maycock**
Make-Up Session 11	Wed. July 18, 2018	9E	1:00 pm – 3:30 pm	• Personnel Matters 2.0 hr.	R. Allen / A. Daniels- Lewis
Make-Up Session 11	Thur. August 16, 2018	9E	9:30apm – 11:30 am	• Personnel Matters 2.0 hr.	R. Allen / A. Daniels- Lewis
Make-Up Session 13	Wed. September 19, 2018	9E	1:00 pm – 3:30 pm	• Budget .5 hr. • Contracts .25 hr. • Small Business .25 hr. • Time & Attendance .25 hr. • Pay .25 hr. • Records Management .5 hr.	K. Eubanks G. Krieger G. Krieger K. Walton K. Walton L. Gross

MFG Chemical, Inc. – General Duty Clause

Briefing for Trey Glen, February 22, 2018

Enforcement Confidential – Exemption 7(A) Withhold

February 26, 2018 - March 4, 2018

February 2018

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

March 2018

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Monday, February 26

- **12:00am Itinerary** →
- **11:30am - 3:30pm Meeting with Lance Lefleur** (Montgomery)
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen

Tuesday, February 27

← **Itinerary** →

- **10:30am - 10:50am MS Phosphate Discussion: Trey Glenn & Barry Breen** (Vis Telephone or in the RA's Small Conference Room for those in the SNAFC) - Glenn, Trey
- **4:30pm - 5:15pm Briefing: Mississippi Phosphate Site** (Alm Room; Conference Line: 866.299.3188; Code: (b)(6) [redacted] Cody, Karen

Wednesday, February 28

← **12:00am Itinerary**

- **9:30am - 10:00am Discussion: 404 Assumptions** (David's Office (Room 3219A Bldg WJCE)) - Glenn, Trey
- **11:00am - 12:00pm Region 4 re: CCR** (DCRoomWest4144GCIVTCPolycom/OLEM) - Johnson, Barnes
- **12:30pm - 1:30pm Meeting with Kel Kelly re: Region 4 Superfund Sites** (EPA HQ)
- **1:30pm - 1:45pm General w/Trey Glenn** (4020 WJCN) - Minoli, Kevin

Thursday, March 1

Friday, March 2

Saturday, March 3

Sunday, March 4

ADEM Visit
Montgomery, AL
Meeting with the Administrator
Washington, D.C.
Meeting with Ken Wagner & AL Stakeholders
Birmingham, AL
February 27 – March 1, 2018

Additional Region 4 Staff:

Name	Telephone #	Transportation
Brandi Jenkins (D.C. Portion Only)	(404) 702-9239	Public Transportation

Tuesday, February 27, 2018

FLIGHT:

Leave: Birmingham, Alabama via AA 4357 at 10:40 AM (CST)
Arrive: Washington, D.C. at 1:58 pm (EST)
Seat: 15C
Confirmation Number: MFUMJT

Hotel:

Kimpton Carlyle Hotel Dupont Circle
1731 New Hampshire Ave NW
Washington, D.C. 2000097
Check-in: Tuesday, February 27th after 3 pm
Check-out: Wednesday, February 28th Noon
Confirmation Number: 21576039

M&IE

2/26/2018	$59.00	2/27/2018	$69.00
2/28/2018	$69.00	3/1/2018	$51.00

ADEM Visit
Montgomery, AL
Meeting with the Administrator
Washington, D.C.
Meeting with Ken Wagner & AL Stakeholders
Birmingham, AL
February 27 – March 1, 2018

8:30 am	Daily Coordination Meeting (404) 562-9997 code (b)(6) [redacted]
10:30 am	MS Phosphate Call with Barry Breen (202) 991-0477 Code (b)(6)(3) [redacted]
4:30 pm	MS Phosphate Briefing w/the Administrator EPA HQ - Alm Room

Wednesday, February 28, 2018

8:30 am	Daily Coordination Meeting (404) 562-9997 Code (b)(6) [redacted]
11:00 am	CCR Briefing with Barnes Johnson DCRoom West 414GCIVT Polycom/OLEM
3:00 pm	Briefing: Superfund – Enforcement & Remedy Decision Criteria Administrator's Office
TBD	Call with David Ross and Matt Leopole 404 Assumptions

FLIGHT:

Leave: Washington, D.C. via AA 5573 at 5:00 pm (EST)
Arrive: Birmingham, AL 6:10 PM (CST)
Seat: No seat assigned
Confirmation Number: MRUMJT

ADEM Visit
Montgomery, AL
Meeting with the Administrator
Washington, D.C.
Meeting with Ken Wagner & AL Stakeholders
Birmingham, AL
February 27 – March 1, 2018

For flight changes contact:
BCD Travel: (866) 964-1346
Agency Record Locator RWXSJ2
$34.50 per change

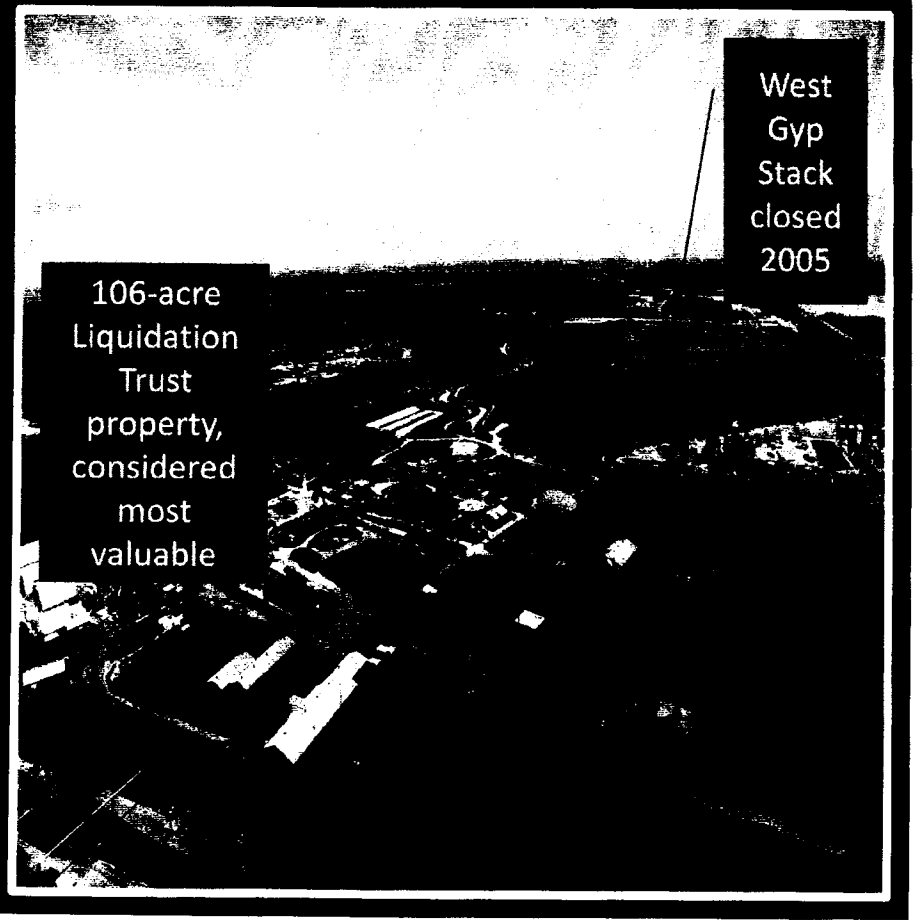
For all other travel issue contact:
EPA Travel (513) 487-2346

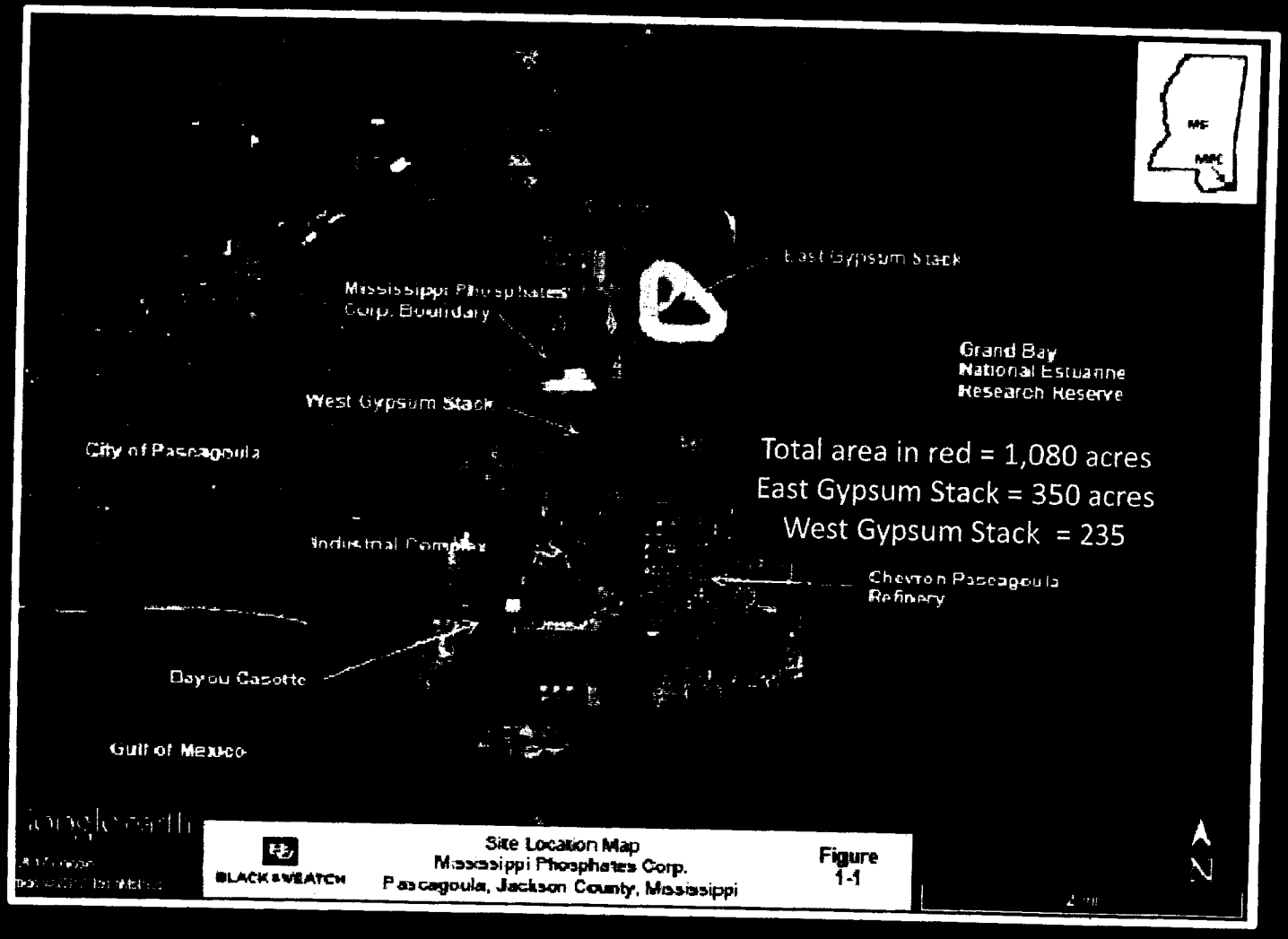
Mississippi Phosphate Corporation
Pascagoula, Jackson County, MS

Engineering Evaluation/Cost Analysis
Closure of the East Gypsum Stack and North Ponds
U.S. EPA Region 4

MPC Site History/Background

- Produced diammonium phosphate (DAP) from 1950s thru 2014
- Digested phosphate ore with sulfuric acid to produce phosphoric acid
  - Waste product = gypsum
  - West Gyp Stack closed out mid 2000s
  - East Gyp Stack has 350 acres of acid generating material exposed (≈ 15 Million CYs)
- Phosphoric acid + ammonium = granulated DAP
- Declared bankruptcy; July 2015 settlement agreement
  - Liquidation Trust = infrastructure/dock
  - Environmental Trust = lime treatment plant + West/East Gyp Stacks
  - $12 Million provided for water treatment





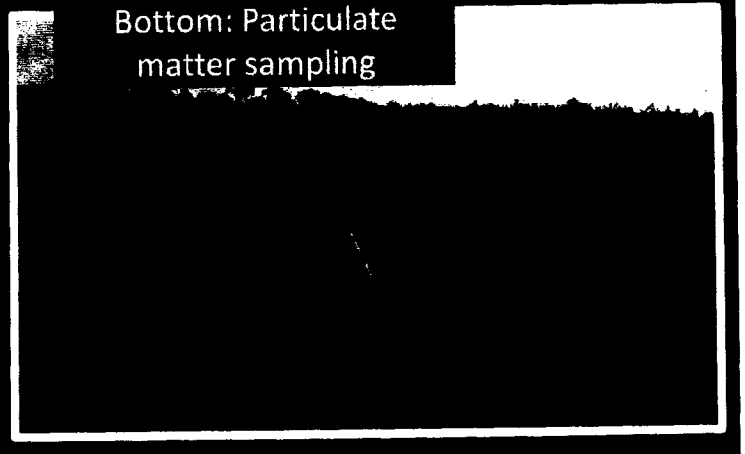
BLACK & VEATCH

Site Location Map
Mississippi Phosphates Corp.
Pascagoula, Jackson County, Mississippi

Figure 1-1

Environmental Risk

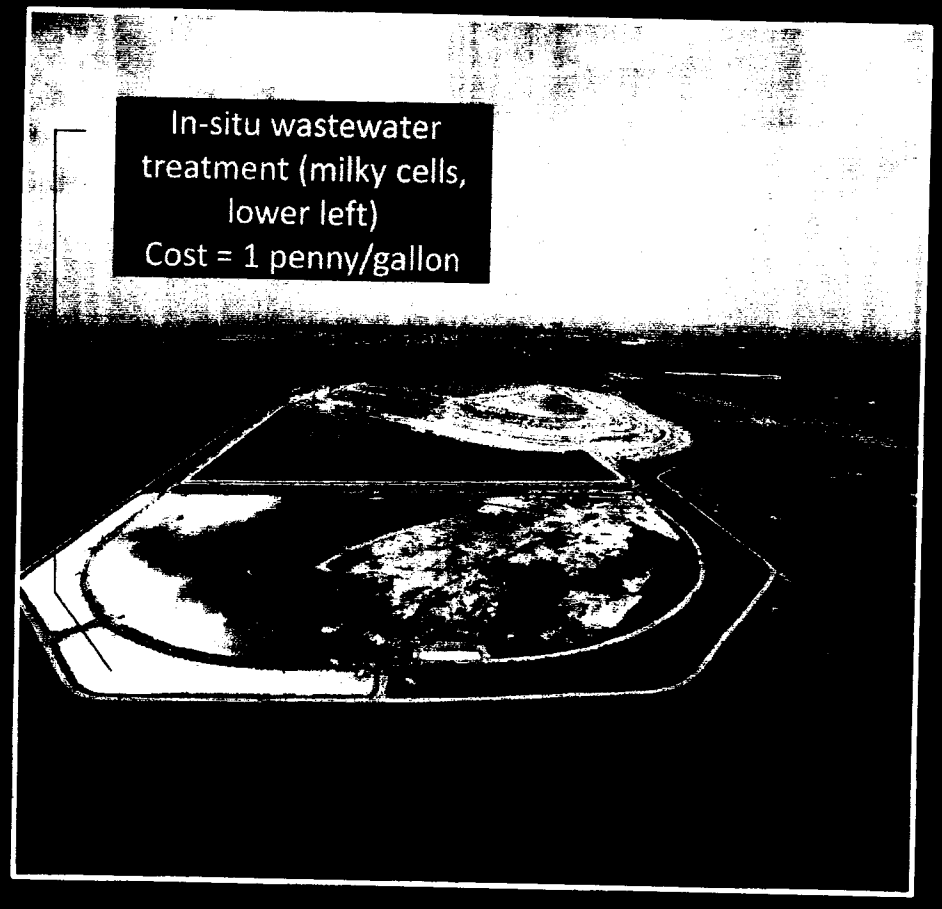
- Large volume of acidic pH water with high levels of nutrients
- Known uncontrolled releases of wastewater
  - 2005 – 17 MGs to Bangs Lake/Grand Bay Estuary
    - Decimated large portion one of most productive fisheries on Gulf Coast
  - 2013 – 38 MGs to Bayou Casotte
    - 47,000 dead fish + criminal violation of Clean Water Act
- Radiation
  - Existing data of East Gypsum Stack indicates slightly elevated levels of Radium 226
    - Technically Enhanced Naturally Occurring Rad Material (TENORM)
    - Levels generally range 20 to 50 picocuries/gram
    - Not a risk under current industrial land use
  - EPA conducted additional sampling November 27 - December 5 per concerns at August pubic meeting
  - Sampling was conducted at public parks (Soccer Complex, and IG Levy Memorial Park) and public schools (Pascagoula High, Cherokee Elementary and Eastlawn Elementary)
  - Collected air samples, soil samples and conducted gamma surveys
  - Results available in March
    - Screening level gamma surveys at off-site areas were at background levels



Top: Real-time gamma radiation scanner
Bottom: Particulate matter sampling

Current Operations

- EPA R4 Removal Program assumed water treatment responsibility February 11, 2017
  - > 500 MGs of water on-site with pH≈2.4
  - Burn rate ≈ $35,000/day ($1 Million/month)
- 1" of rainfall = 9 MG of acidic water that must be treated
  - 112" rainfall in 2017
  - Average rainfall = 66"/year
- Lime plant + in-situ plant
  - 2 to 4 MGD average treatment volume
  - Neutralize pH and remove nutrients
  - Cost = $0.010186 per gallon (actual)
- Current Removal funding of $1.3 Million
  - Current Action Memo capacity of $25M
  - Total EPA costs to date ≈ $16 Million + $12 million from Environmental Trust
  - Yearly Region 4 removal allowance ~ $13 million
- Off-site radiation sampling for air/soil and gamma surveys conducted in December



Emergency By-Pass Operations

- Dikes, berms & ponds of East Gyp Stack have structural integrity issues
  - Overtopping/desiccation/piping, etc.
  - Confirmed by multiple ERT inspections

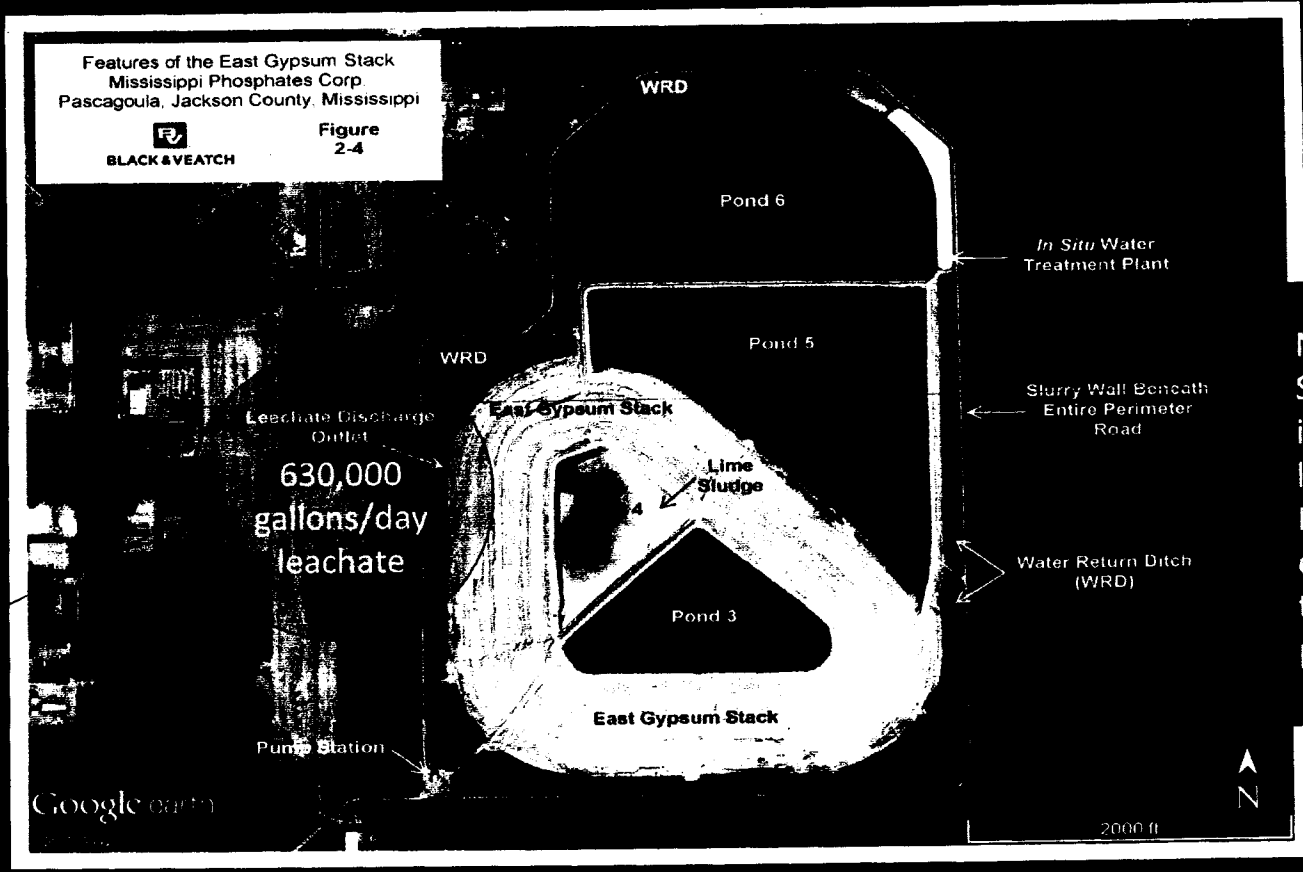
- By-passes managed by EPA
  - pH neutralization only with sodium hydroxide
  - ≈ 400 MGs over 5 events have been by-passed to prevent uncontrolled releases from Ponds 3 and 4 on top of stack
  - Treatment costs per gallon = $0.015727
  - Closely monitored to prevent eutrophication and algal blooms
  - No adverse impacts observed

Desiccation crack in berm holding back water in Ponds 3, 4 (now dry following bypasses)

Region 4 Superfund Strategy

- Integrated removal & remedial authorities
  - Recently added to Administrator Pruitt's list for immediate and intense action
  - Presented to RA Priority Panel 11/07/17
- Proposed to NPL on 08/03/17
  - Public meeting 08/15/17
  - Comment period ended 10/02/17
  - Public comments support listing/MDEQ concurs
  - Final on NPL 01/18/18
- Need to get out of the rainwater treatment business
  - Common acid mine drainage strategy (keep clean water clean)
  - Reduce quantity and improve quality that requires treatment
  - Achieve long-term management of leachate only ASAP
- Non-Time Critical Removal Action Framework for East Gyp Stack closure work (R4 Remedial Program = lead)
  - Engineering Evaluation/Cost Analysis (EE/CA) framework per 09/07/17 meeting with OSRTI
  - Work split into 3 phases over 3 consecutive years (2018, 2019 and 2020)
  - Operations and maintenance will be transferred to MDEQ upon closure
  - Public Meeting 01/11/18
  - 30-day public comment period 01/11 – 02/10/18

East Gypsum Stack

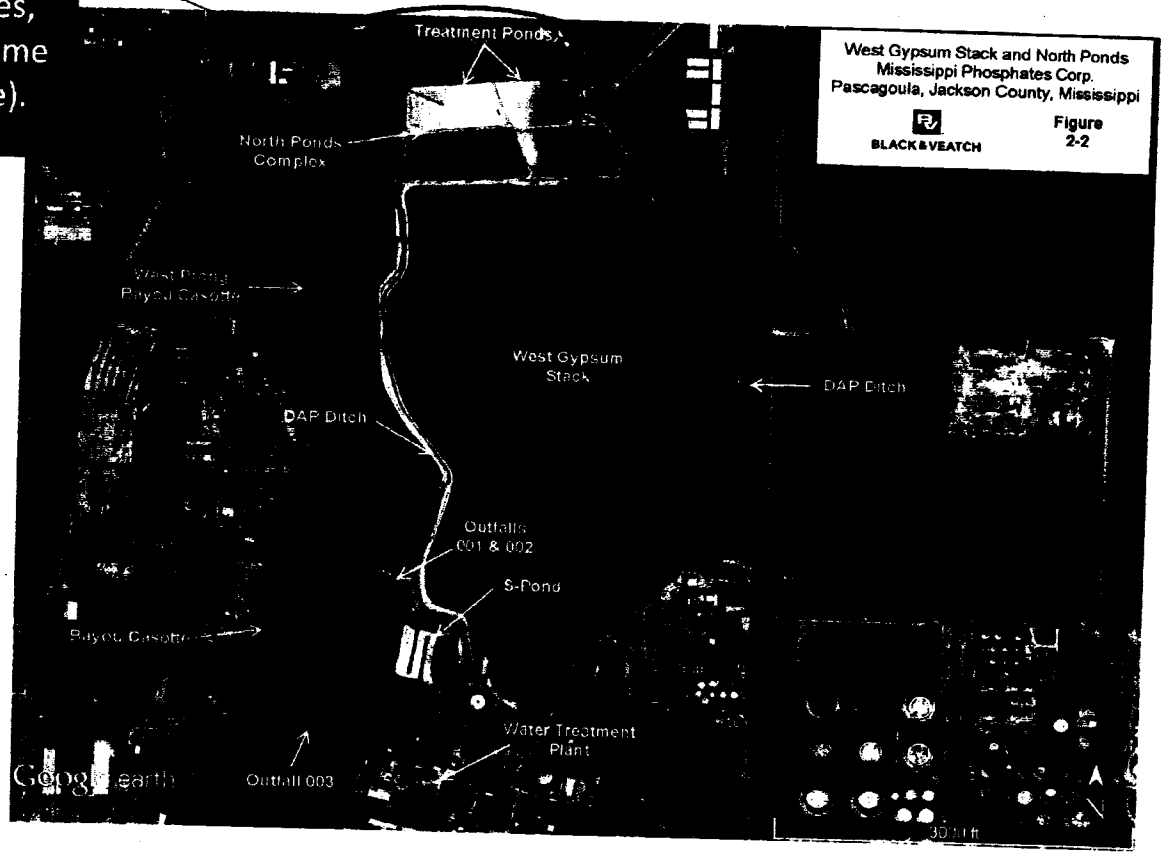


For comparison, closed West Gypsum Stack 20,000 gallons/day leachate

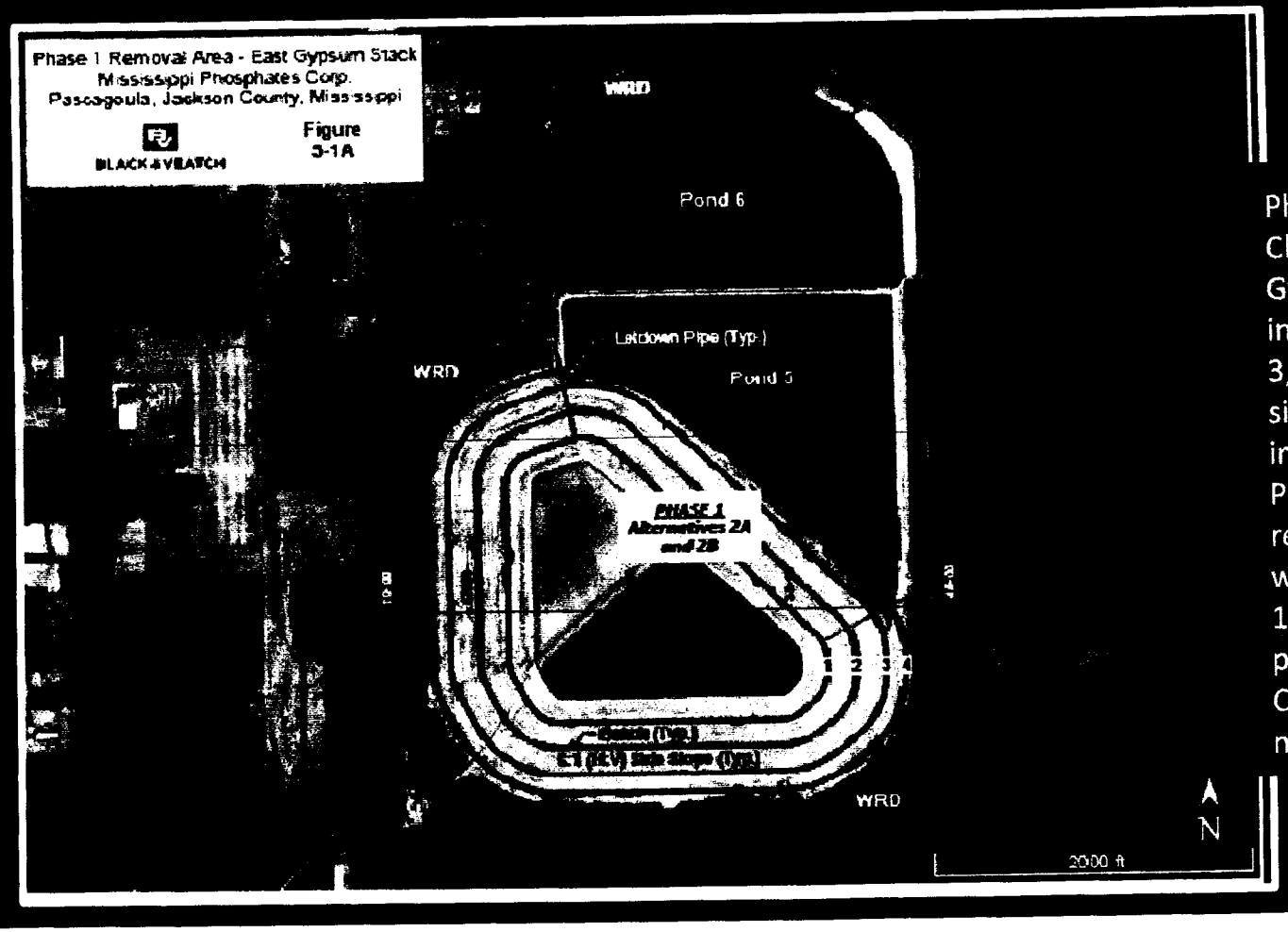
Not pictured: Slurry wall keyed into "fat" clay layer (no liner). Existing French drain system that can be plumbed into

North Ponds

All four cells (30 acres, 15' layer) are full of lime (728,000 CYs of lime).

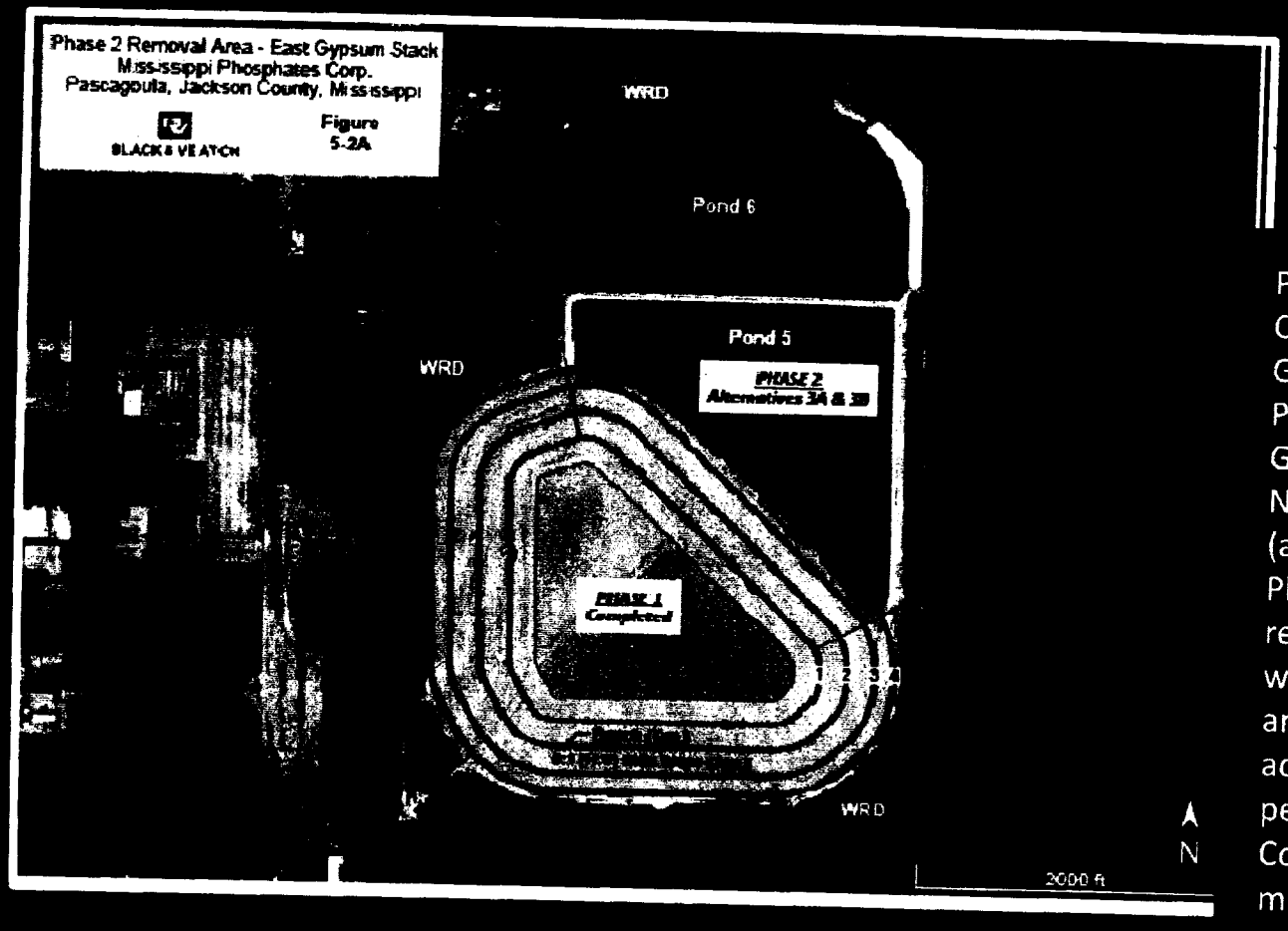


Phase 1 – EGS Closure



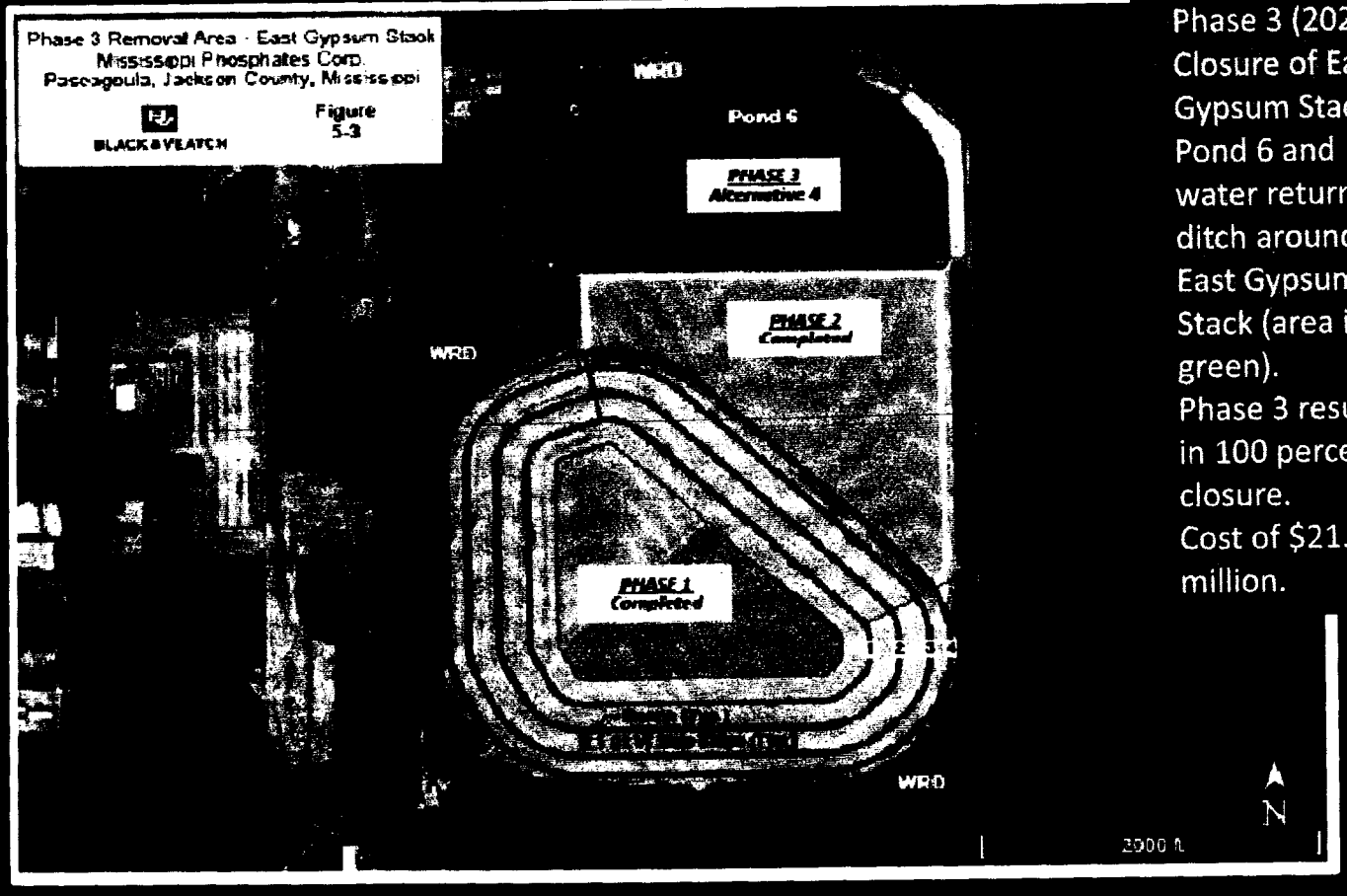
Phase 1 (2018) – Closure of East Gypsum Stack, including Ponds 3,4 and stack side slopes (area in blue).
Phase 1 will reduce rain water contact by 155 acres, or 41 percent.
Cost of $31.4 million.

Phase 2 – EGS Closure



Phase 2 (2019) – Closure of East Gypsum Stack Pond 5 and West Gypsum Stack North Ponds (area in yellow). Phase 2 will reduce rain water contact by an additional 90 acres, or 64 percent total. Cost of $18.4 million.

Phase 3 – EGS Closure



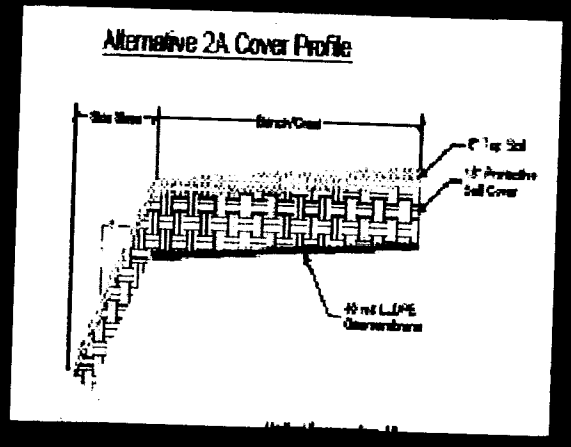
Phase 3 (2020) – Closure of East Gypsum Stack Pond 6 and water return ditch around East Gypsum Stack (area in green).

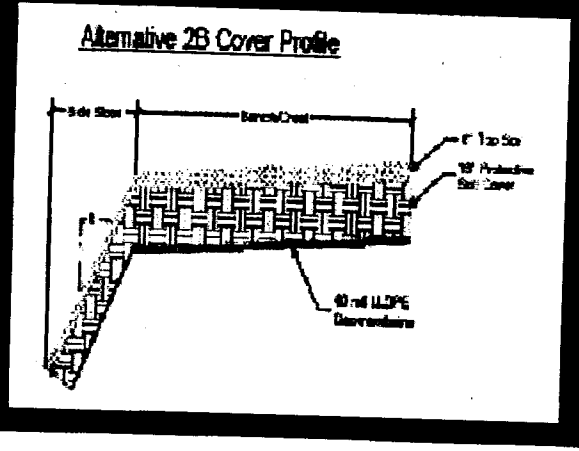
Phase 3 results in 100 percent closure.

Cost of $21.8 million.

Alternatives Evaluated in EE/CA

- Alternative 1: Continue Water Treatment Operations
  - $5.6 Million/year
  - Assumes average rainfall of 66" - 22" of evaporation
- Phase 1 – Alternative 2A: Partial Liner
  - Reduces water contact area by 155 acres (41%)
  - Drain Ponds 3 & 4. Deal with lime in Pond 4. Regrade EGS footprint.
  - 40 mil liner on crest and benches (four, 30-foot wide benches)
  - 24 inches of soil cover on top of liner
  - Compacted clay and top soil *only* on side slopes
  - Vegetative cover
  - Total Cost = $ 31.8 Million
- Phase 1 – Alternative 2B: Complete Liner
  - Drain Ponds 3 & 4. Deal with lime in Pond 4. Regrade EGS footprint.
  - 40 mil liner on crest, benches, and side slopes
  - 24 inches of soil cover on top of liner
  - Requires 541,000 cubic yards of soil
  - Vegetative cover
  - Total Cost = $31.4 Million





Alternatives Evaluated in EE/CA (con't)

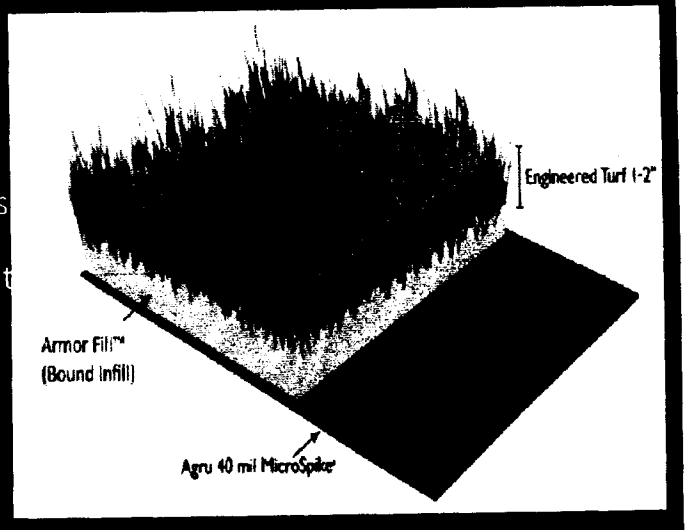
- Phase 2 – Alternative 3A: Pond 5 Closure with North Pond Excavation
  - Reduces water contact by additional 90 acres (64%)
  - Drain Pond 5. Excavate 728,000 CYs of lime from North Ponds. Incorporate into Pond 5 footprint.
  - 40 mil liner over Pond 5 footprint and North Ponds
  - 24 inches of soil with vegetative cover
  - Total Cost = $47 Million
- Phase 2 – Alternative 3B: Pond 5 Closure with North Ponds Capped in Place
  - Drain Pond 5, backfill and grade
  - Reinforced geotextile over lime sludge with North Ponds
  - 40 mil liner over Pond 5 footprint and North Ponds
  - 24 inches of soil with vegetative cover (291,000 CYs of soil)
  - Total Cost = $18.4 Million
- Phase 3 – Alternative 4: Pond 6 Closure and Water Return Ditch
  - Drain Pond 6 and Water Return Ditch (Removes remaining 135 acres/100% closure)
  - Install new perimeter leachate collection system and connect to existing French drain system
  - Grade Pond 6 and WRD/40 mil liner/24 inches of soil with vegetative cover (400,000 CYs of soil)
  - Total Cost = $21.8 Million

Preferred EGS Closure Alternatives

- Phase 1: Alternative 2B – Complete Liner
  - Provides more long-term protection and less leachate
  - The hybrid option 2A did not offer expected cost savings due to more expensive clay material needed for side slopes
  - Requires $31.4 Million
  - Detailed design early 2018/Construction start and finish in 2018
- Phase 2: Alternative 3B – Pond 5 Closure with North Ponds Capped in Place
  - Excavation of North Ponds is very expensive and unnecessary
  - Requires $18.4 Million
  - Detailed design conducted in 2018/Construction start and finish in 2019
- Phase 3: Alternative 4 – Close Pond 6 and Water Return Ditch
  - Requires $21.8 Million
  - Detailed design 2019/Construction start and finish in 2020

Preferred EGS Closure Alternatives

- Total EGS Closure Costs ≈ $71.6 Million
  - Likely high end estimates (10% contingency + 8% contractor mark-up)
  - Approximately 50% of closure costs are for landfill soil cover
  - Cost savings opportunities
    - Dredge spoil potentially available from local source for capping material
    - 24" soil cover is from Florida gypsum stack closure regulations. Less soil cover possibly sufficient.
    - Employ alternate cap/cover system (engineered synthetic turf) that eliminates cover soil
- Above EGS Closure Costs include water by-pass costs to empty the ponds and ditches
  - However, the EGS Closure Costs DO NOT include on-going water treatment costs
- MDEQ supports the proposed closure alternatives



Next Steps

- Superfund to prepare Action Memorandum in March 2018
  - Will respond to comments from public (30-Day public comment period ended 02/10/18)
    - Only two comments received, one from a resident concerned about dust and another urging EPA to use "closure turf"
  - Will respond to comments expected from the National Remedy Review Board (met with Board on 02/13/18)
- Start detailed design process
  - Value engineering study to compare cap/cover options
  - Develop plans, drawings, and specs for construction activities
- Secure required funding for 3-phase EGS closure
- Site-wide RI/FS and cleanup will follow

Community Interest

- Public meetings held 03/9/17 (once EPA assumed oversight), 08/15/17 (NPL listing/comment period) and 01/11/18 (EECA/comment period); TASC workshop planned for 03/3/18
- Interest from groups: Steps Coalition, Cherokee Concerned Citizens, Gulf Restoration Network
- Residents generally supportive of NPL listing and proposed cleanup; expressed concerns about:
  - (1) Impacts from wastewater discharge to BayouCasotte, which is used for fishing/recreation
  - (2) Radiation associated with the gypsum remaining on-site and in the wastewater
  - (3) Cumulative environmental impacts—especially to air—from MPC and neighboring industries (Chevron Pascagoula Refinery, First Chemical, VT Halter Marine, Signal International)
  - (4) Possible redevelopment by another 'bad actor' causing pollution/requiring additional taxpayer money to clean up

Media Interest

- High media interest (Sun-Herald, Associated Press, WLOX, Mississippi Press), especially once EPA assumed oversight, during by-pass events/Hurricane Nate and when added to Administrator's list of sites for immediate/intense action
- Coverage has been largely fair/balanced. Proactive media tour for Sun-Herald 10/24/17, which covers the MPC Site most frequently, helped improve reporters' understanding and resulted in more positive coverage of EPA's activities (see last 3 news clips below)
- Selection of news clips
  -
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Political Interest

- Political interest from Sen. Wicker, Cong. Palazzo, Pascagoula Mayor Maxwell and Gautier Mayor Torjusen
- Briefed Mayors Maxwell and Torjusen in-person on 01/12/18
  - Primarily interested in redevelopment (City considering site for first responder training facility)
  - Wanted to explore whether EPA could use fill dirt from the City of Pascagoula
  - Asked EPA to host tour for City Council (scheduled for 03/14/18)
- Briefed Sen. Wicker's staff on 01/11/18 call and Cong. Palazzo's staff on 01/17/18 call, and answered basic questions
  - Responded to follow-up questions from both sent 02/14/18 to clarify the 106-acre parcel where fertilizer was produced, including the above-ground infrastructure and deep water dock, can be put into immediate reuse pending approval from the Liquidation Trust and a Bonafide Prospective Purchaser Agreement on Consent with the eventual property owner

March 5, 2018 - March 11, 2018

March 2018

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April 2018

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Monday, March 5

- **1:00pm - 1:45pm CCR Briefing** (RA's Conference Room (Callin # Added)) - Glenn, Trey
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **3:00pm - 3:30pm ORA ReOrg** (RA's Conference Room) - Glenn, Trey
- **3:30pm - 4:00pm Biweekly Meeting with Director: Franklin Hill** (RA's Small Conference) - Glenn, Trey
- **4:30pm - 5:15pm Oak Ridge Discussion** (RA's Conference Room (call in number added)) - Glenn, Trey

Tuesday, March 6

- **12:00am KY Stakeholder Meeting** - Glenn, Trey →
- **8:30am - 10:00am OPM SLT w/Trey Glenn (Lean Management System)** (ARA Conference Room) - Lapierre, Kenneth
- **12:30pm - 12:45pm Call with Gov. Bryant's COS** (Region 4 Participants will meet in Trey's Private Conference Room) - Glenn, Trey
- **1:00pm - 2:00pm Meeting with SF Staff: Oak Ridge** (RA's Private Conference Room)
- **4:53pm - 6:12pm Flight to Lexington**

Wednesday, March 7

- ← **12:00am KY Stakeholder Meeting** - Glenn, Trey
- **8:15am - 8:45am East Kentucky Power Cooperative** (Call In Number is 404-562-9990 and Pass Code is [redacted] - Dubose, Dick
- **9:00am - 11:00am Meeting with KY Stakeholders** (Winchester, KY)
- **11:00am - 11:30am Call with Jay Mullis Re Oak Ridge**
- **12:00pm - 4:30pm Meeting with KY DEP** (Frankfort, KY)

Thursday, March 8

- **16th Annual KY Enviro Conference** (Lexington, KY) - Glenn, Trey
- **7:30am - 7:45am Introduction Meeting with Lajuana Wilcher** (Lexington, KY)
- **8:45am - 9:45am Keynote Speaker - 16th Annual Kentucky Environmental Conference** (Hilton Lexington Downtown, Lexington, KY)
- **10:00am - 11:00am 2nd Quarter Diversity Learning Series (Open Invite for Details)** (SESD Training Room and Room 10T33) - Robertson, Veronica
- **10:45am - 11:05am Discussion about Dekalb Co. Re: Water Issues and Resignations** (Call in number (404) 562-9997 code [redacted] - Glenn, Trey
- **11:53am - 1:21pm Flight to Atlanta**
- **2:00pm - 2:45pm Prep Call for ECOS Speaking Engagement** (Call-in # 800-689-9374 Passcode [redacted]

Friday, March 9

- **10:30am - 11:00am Call with Trey Glenn re: Diacel, Call-in Number: 1 866-299-3188, Code:** [redacted] 3204 WJC-South) - Bodine, Susan
- **1:30pm - 2:30pm RA Check-In** (Phone) - Wagner, Kenneth

Saturday, March 10

Sunday, March 11

Regional Administrator Check-In
Friday, March 09, 2018
1:30pm -- 2:30 pm EST

HQ Room: WJC North Room 3307 (Ken Wagner's Office)
Regions: Phone Call
Conference Line: 1.866.299.3188, conference code (b)(6) personal privacy

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1:30 EST — <u>Welcome and Roll Call</u>
Ken Wagner and Kell Kelly

1:35 EST

- 1:35 (15m) – Key Regional Issues – Moderated by Kell Kelly
- 1:50 (10m) – RA Media Workshop – Ken Wagner
- 2:00 (15m) – Superfund and Lead Update – Kell Kelly
- 2:10 (10m) – Delegated Authorities – Cosmo Servidio
- 2:20 (5m) – Scheduling and Measures – Alexandra Dunn
- 2:25 (5m) – CERCLA and EPCRA Air Emissions from Agriculture

March 12, 2018 - March 18, 2018

March 2018

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April 2018

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Monday, March 12

- **12:00am GMPO Visit, Mayor Meeting, Harbour and Site Tour MS and Oak Ridge Site Tour Meeting with DOE, TN** →
- **8:30am - 9:00am Call with Beverly Banister re Southcoast case** (404-562-9997; (b)(6) - Glenn, Trey
- **9:00am - 9:30am Call with staff regarding weekly report review** (9997) - Glenn, Trey
- **12:30pm - 1:00pm Download with Mary (WPD)** (RA's Private Conference Room) - Glenn, Trey
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **3:30pm - 4:00pm Region Update: Region 4** (Administrator's Office; 866.299.3188; Code:(b)(6) Cody, Karen
- **4:50pm - 5:12pm Flight to Gulport**

Tuesday, March 13

- ← **GMPO Visit, Mayor Meeting, Harbour and Site Tour MS and Oak Ridge Site Tour Meeting with DOE, TN** →
- **9:00am - 1:00pm March's Regional Monthly Review** (RA's Conference Room) - Glenn, Trey
- **9:00am - 12:00pm March Regional Monthly Review** (GMPO) - Glenn, Trey
- **12:00pm - 1:00pm GMPO Visit** - Glenn, Trey
- **3:30pm - 4:30pm Meeting with Mayor re: The Purchaser** - Glenn, Trey
- **4:30pm - 5:30pm Harbour Tour** - Glenn, Trey
- **5:30pm - 6:30pm MPC Site Tour with City Council Members** (Pascagoula, MS) - Glenn, Trey

Wednesday, March 14

- ← **GMPO Visit, Mayor Meeting, Harbour and Site Tour MS and Oak Ridge Site Tour Meeting with DOE, TN** →
- **9:30am - 11:30am Concur Training Coming Soon** (Conference Room 10T33) - Wright, Marie
- **9:55am - 12:09pm Flight to Atlanta (Final Destination Knoxville)** (Flight starts in Central time zone and ends in Eastern time zone))
- **1:34pm - 2:24pm Flight from Atlanta to Knoxville**
- **3:30pm - 6:30pm Oak Ridge Reservation Site Tour (Time is an Estimation)** - Glenn, Trey

Thursday, March 15

- ← **12:00am GMPO Visit, Mayor Meeting, Harbour and Site Tour MS and Oak Ridge Site Tour Meeting with DOE, TN**
- **12:00am Wanda Leave** - Hudson, Wanda →
- **8:00am - 10:15am Meeting: Trey Glenn and Jay Mullis** (Oak Ridge Office of Enrivonmental Management 200 Administration Rd Oak Ridge TN 37830) - Glenn, Trey
- **11:57am - 12:55pm Flight to Atlanta**
- **2:00pm - 2:10pm Carlos: Signature on required personnel document (deadline 2/19/18)** (Trey's Office) - Glenn, Trey
- **2:15pm - 2:45pm Draft LTCP conditional approval (Nashville Metro and SD-1)** (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL; 4045629997;(b)(6) Glenn, Trey

Friday, March 16

- ← **12:00am Wanda Leave** - Hudson, Wanda

Saturday, March 17

Sunday, March 18

March 19, 2018 - March 25, 2018

March 2018

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April 2018

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Monday, March 19

- **12:34pm - 1:55pm Flight to Mobile**
- **3:00pm - 4:30pm Meeting with the U.S. Corp of Engineers** (Mobile, AL) - Glenn, Trey

Tuesday, March 20

AL Rural Water Assoc 40th Annual Technical Training Conf (Mobile, AL) - Glenn, Trey

- **9:00am - 10:00am Roundtable with Mobile Chamber of Commerce**
- **10:30am - 11:00am Alabama Rural Water Association 40th Annual Technical Training Conference** (Mobile Convention Center 1 Water Street, Mobile Alabama 36602) - Glenn, Trey
- **2:20pm - 7:27pm Flight to St. Paul, Minnesota**
- **3:00pm - 3:30pm**

Wednesday, March 21

- **ECOS 2018 Spring Meeting** (St. Paul, Minnesota) - Glenn, Trey
- **11:30am - 12:00pm Meeting with Region 4's RA, DRA and The State Commissioner/Secretary** (TBD) - Glenn, Trey
- **1:00pm - 3:30pm Supervisory Update Session 14: Wed. March 21, 2018** (Training Rm 10T33, 10th Floor) - R4-9D-9T70D-Reg-Training-Rm/SNAFC

Thursday, March 22

- **8:20am - 11:53am Flight to Atlanta**
- **11:00am - 11:45am Meeting with GMPO Director and Deputy** (RA's Private Conference Room) - Glenn, Trey
- **12:00pm - 1:00pm Lunch with RA and DRA** (RA small conf. room) - Ashbee, Blake
- **12:00pm - 1:00pm Senior Leaders Contingency Planning for Potential Shutdown** (EPA HQ WJC 3346 (OARM's Conference Room))
- **1:00pm - 2:00pm Meeting with International Council of Shopping Centers** (RA's Conference Room) - Glenn, Trey
- **2:15pm - 2:45pm Louisville SO2 nonattainment** (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Glenn, Trey
- **3:00pm - 3:30pm Call with Trey Glenn re: SD-1, Call-in Number: 1**
- **3:30pm - 4:00pm BF Goodrich**
- **4:00pm - 4:20pm Discussion with Trey & Carol Monell** (RA's Private
- **4:20pm - 4:35pm Trey's Discussion with Denise Tennessee** (Trey's

Friday, March 23

Saturday, March 24

Sunday, March 25

Supervisory Update Training Schedule

January 17, 2018 – September 19, 2018

Session	Date	Location	Time	Topics	Presenters
Session 13	Wed. January 17, 2018 Rescheduled due to inclement weather: September 19, 2018	9E	1:00 pm – 3:30 pm	• Budget .5 hr. • Contracts .25 hr. • Small Business .25 hr. • Time & Attendance .25 hr. • Pay .25 hr. • Records Management .5 hr.	K. Eubanks G. Krieger G. Krieger K. Walton K. Walton L. Gross
Session 13	**Thur. February 22, 2018**	**9E**	**9:30 am – 11:30 am**	• **Budget .5 hr.** • **Contracts .25 hr.** • **Small Business .25 hr.** • **Time & Attendance .25 hr.** • **Pay .25 hr.** • **Records Management .5 hr.**	**K. Eubanks** **G. Krieger** **G. Krieger** **K. Walton** **K. Walton** **L. Gross**
Session 14	Wed. March 21, 2018	10T33., 10th Fl	1:00 pm – 3:30 pm	• Travel System and Card 20 min. • Subsidized Transportation 20 min. • Fleet .20 min. • Property 20 mi. • Security 20 min.	M. Wright M. Wright W. Greene D. Fortson, R. Willis, P. Graham E. Robertson
Session14	**Thur. April 19, 2018**	**9E**	**9:30 am – 11:30 am**	• **Travel System and Card 20 min.** • **Subsidized Transportation 20 min.** • **Fleet .20 min.** • **Property 20 mi.** • **Security 20 min.**	**M. Wright** **M. Wright** **W. Greene** **D. Fortson, R. Willis, P. Graham** **E. Robertson**
Session 15	Wed. May 23, 2018	9E	1:00 pm – 3:30 pm	• Quality Assurance 1.0 hr. • Safety .5 hr. • Scientific Integrity .5	S. Aker, Liza Montalvo B. Scott M. Maycock
Session 15	**Thur. June 21, 2018**	**9E**	**9:30 am – 11:30 am**	• **Quality Assurance 1.0 hr.** • **Safety .5 hr.** • **Scientific Integrity .5**	**S. Aker, Liza Montalvo** **B. Scott** **M. Maycock**
Make-Up Session 11	Wed. July 18, 2018	9E	1:00 pm – 3:30 pm	• Personnel Matters 2.0 hr.	R. Allen / A. Daniels- Lewis
Make-Up Session 11	Thur. August 16, 2018	9E	9:30apm – 11:30 am	• Personnel Matters 2.0 hr.	R. Allen / A. Daniels- Lewis
Make-Up Session 13	Wed. September 19, 2018	9E	1:00 pm – 3:30 pm	• Budget .5 hr. • Contracts .25 hr. • Small Business .25 hr. • Time & Attendance .25 hr. • Pay .25 hr. • Records Management .5 hr.	K. Eubanks G. Krieger G. Krieger K. Walton K. Walton L. Gross

Supervisory Update Plan Quick Explanation

There have been numerous questions as to how one receives credit for supervisory learning that is not specifically a part of the Supervisory update curriculum and substitute that learning experience for a Supervisory update requirement. This document is intended to provide some explanation and process. Please do not think of this document as a form that you must use to obtain credit, but as a diagram or explanation of process.

Step 1. Review the course curriculum	**Step 2.** Select course topic to be substituted	**Step 3.** Request the substitution/ provide description of learning event to occur/that has occurred. Preapproval for a substitution is recommended.
Mandatory		I request that I be allowed to substitute the supervisory update Coaching Session 6 with the LDI's upcoming "Coaching Techniques for Managers" training, attached is a course description. Upon completion of this training I will provide you with documentation of my completion.
Session 1 (Awards/ Promotions/Poor Performers)		
Session 2 (Talent Management Topics)		
Session 3 (PARS)		
Session 4 (Motivating Others)		
Session 5 (Constructive Feedback)		
Session 6 ((Coaching)		
Session 7 (Mentoring)	x	
Session 8 (Leadership)		I request that I be allowed to substitute the supervisory update Leadership Session 8 with the Reading of " Leadership from The Inside Out" Upon completion of this book I will self certify completion and provide you with documentation of my completion.
Session 9 (Telework)	x	
Elective		
Session 10 (Merit System/EEO)		Step 4 Provide completion documentation
Session 11 (Personnel Matters)		
Session 12 (Labor/Employee Relations)		
Session 13 (Budget/Contracts/SBA/etc.)		
Session 14 (Travel/Fleet/Property/Safety)		
Session 15 (Quality Assurance)		
Session 16 Conflict Management		
Session 17 Performance		

As of April 8, 2015

Supervisory Update Plan Quick Explanation

Required courses are shaded in green. You must take each of them.

Three classes are delivered as In-house classes.

Session 1 (Awards/ Promotions/Poor Performers)
Session 2 (Talent Management Topics)
Session 3 (PARS)

Six are delivered as elearning classes

Session 4 (Motivating Others)
Session 5 (Constructive Feedback)
Session 6 ((Coaching)
Session 7 (Mentoring)
Session 8 (Leadership)
Session 9 (Telework)

Note:

- All EPA staff have elearning accounts with Skillport. Thousands of courses/books available 24/7.
- A suggested elearning course list is attached but you may select a course from the designated topics that is not on the list.

Elective courses are shaded in yellow. You must take 7 hours (or points) from the 12 available.

Six are delivered as In-house classes

Session 10 (Merit System/EEO)
Session 11 (Personnel Matters)
Session 12 (Labor/Employee Relations)
Session 13 (Budget/Contracts/SBA/Records Mgmt./etc.)
Session 14 (Travel/Fleet/Property/Safety)
Session 15 (Quality Assurance)

Two are elearning electives

Session 16 (Conflict Management)
Session 17 (Performance)

Alternative /Optional Learning may be used as substitutes for listed courses

You may receive credit for a course topic/class by taking another class with the same topics from any source other than the Supervisory Update Courses (in coordination with the program manager), by reading a book, details, or special assignment..

How to Substitute an Alternative Course for a Required or Elective Course

As of April 8, 2015

Supervisory Update Plan Quick Explanation

As of April 8, 2015

ICSC

International Council of Shopping Centers Environmental Committee

Meeting With

Trey Glenn

Administrator

EPA Region IV

March 22, 2018

Participants

Members

Todd Berlinghof, *Hamilton Partners*

Gerald Pouncey, *Morris, Manning & Martin*

Tony Brown, *The Pelican Group*

Grant Meyer, *Community Development Foundation*

Chris West, Teramore Development, LLC

Staff

Abby Jagoda, *Director, Public Policy & Best Practices*

Charlie Grizzle, *Consultant*

About ICSC

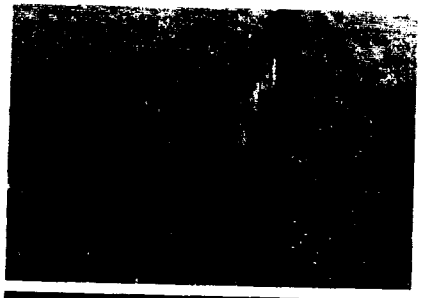
- Over 70,000 members worldwide
- Members are shopping center owners, developers, investors, retailers, brokers, academics, legal and technical consultants, and public officials
- The shopping center industry is essential to economic development and opportunity throughout the United States
- Shopping center create significant jobs, drive the GDP, and provide critical tax revenue for the communities they serve through sales and payroll taxes as well as property taxes

ICSC Global Public Policy

- Key voice for commercial and retail real estate on federal and state legislative and regulatory matters

- GPP staff is supported by two member committees:
  - Environmental
  - Economic

Issues of concern



Water

Energy Efficiency

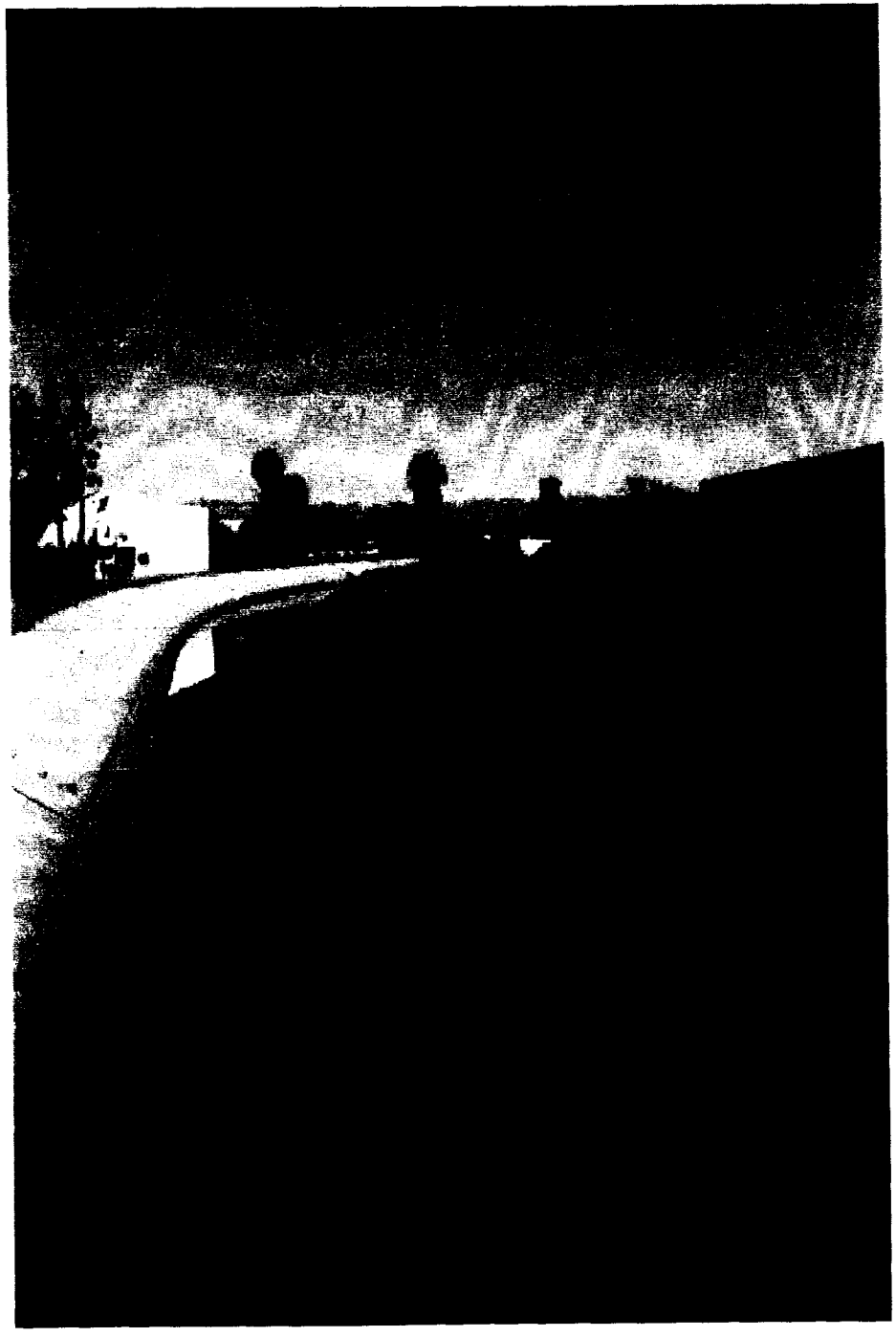
SMART SECTORS

Smart Sectors

Land Redevelopment & Community Revitalization

Water

- ICSC members applaud steps taken by President Trump and Administrator Pruitt to revise the WOTUS rule.
    - Stormwater management
    - Drainage ditches
- 404 Nationwide Permits an Important Tool



Energy Efficiency

- Energy Star is an important tool
- Shopping Center landlord-tenant relationships often present unique challenges

Smart Sectors Program

- Recommend expansion of the SSP to include commercial real estate

SMART SECTORS

A PROGRAM OF U.S. EPA

Land Redevelopment & Community Revitalization

- Brownfields
  - Consistently supported Brownfields legislation
  - Significant participation in development of "All Appropriate Inquiry" policy
- Superfund Task Force
  - Applaud Administrator Pruitt's leadership
  - Meeting with Albert Kelly to discuss impediments

Key Recommendations

- Expedite delisting of sites from the National Priorities List (NPL)
- Accelerate EPA decision-making process
- Shift oversight of non-NPL federal sites to state Brownfields or voluntary cleanup programs
- Contain EPA oversight costs
- Focus on risk-based cleanups

ICSC

www.icsc.org

March 26, 2018 - April 1, 2018

March 2018

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April 2018

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Monday, March 26

12:00am HOLD

9:30am - 10:00am

2:00pm - 3:00pm Senior Staff Meeting (Alm Room) - Cody, Karen

Tuesday, March 27

← **HOLD**

4:00pm - 5:00pm FY18 Operating Plan (EPA HQ WJC 3346 (OARM's Conference Room)) - RegionalOperations

Wednesday, March 28

← **HOLD**

Thursday, March 29

← **HOLD**

9:30am - 10:00am Mississippi Phosphates (RA's Conference Room or 202-991-0477,[redacted]) Glenn, Trey

Friday, March 30

← **12:00am HOLD**

Saturday, March 31

Sunday, April 1

April 2, 2018 - April 8, 2018

April 2018

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May 2018

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Monday, April 2

- **10:30am - 11:00am Teleconference to discuss ACC Responsible Care Conference Session** - Roczniak, Dan
- **12:00pm - 12:30pm Biweekly Meeting with Directors: Beverly Banister** (RA's Small Conference Room) - Glenn, Trey
- **1:00pm - 1:30pm Meeting with Honeywell** (RA's Conference Room) - Glenn, Trey
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Smith, Walker
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **3:30pm - 4:00pm Biweekly Meeting with Director: Franklin Hill** (RA's Small Conference) - Glenn, Trey
- **4:30pm - 5:00pm Discussion: Trey Glenn and Henry Darwin (202-564-2063)** (Via Telephone) - Glenn, Trey

Tuesday, April 3

- **8:00am - 5:00pm ADEM Compliance Assurance State Visit** (ADEM Office Montgomery, AL) - Gordon, Scott

Wednesday, April 4

- **11:00am - 11:45am Briefing: Brenda Massey CWA Section 404 Enforcement Case** (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Glenn, Trey
- **1:00pm - 1:30pm Briefing: Gulf of Mexico Aquaculture Permitting** (RA's Conference Room) - Glenn, Trey
- **2:00pm - 2:30pm Discussion: Nashville CSO/SSO CD** (Via Telephone (Call in number 720-279-0026 Passcode (b)(6) [redacted] - Glenn, Trey
- **2:30pm - 3:00pm Discussion: Dekalb County** (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Glenn, Trey
- **3:00pm - 3:30pm 404 Delegation** (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Glenn, Trey

Thursday, April 5

- **9:30am - 9:45am Meet and Greet with Jay Jensen (Southern Regional Director National Fish & Wildlife Foundation)** (RA's Private Conference Room) - Glenn, Trey
- **10:00am - 10:20am Security Investigation w Debbie Smith** (RA's Private Conference Room) - Glenn, Trey
- **10:15am - 10:45am Dekalb County: Follow-up** (RA's Private Conference Room) - Glenn, Trey
- **11:30am - 11:45am Security Investigation with Heather Staples** (RA's Private Conference Room)
- **11:50am - 12:20pm 5 Star Program - Opening Remarks**
- **12:30pm - 12:40pm 5 Minute Follow-up Discussion with Ken** (RA's Private Conference Room) - Glenn, Trey
- **1:00pm - 1:30pm Meeting with Franklin & Randall (SF)** (RA's Private Conference Room) - Glenn, Trey

Friday, April 6

- **10:00am - 10:15am Call re: BFG** ((404) 562-9997 (b)(6) [redacted] Glenn, Trey
- **3:30pm - 4:30pm RA Meeting** (DCRoomARN3530CFTB/DC-Ariel-Rios-AO) - Wagner, Kenneth

Saturday, April 7

Sunday, April 8

Gulf of Mexico Aquaculture Permitting
Briefing Sheet

Background

- Aquaculture, or concentrated aquatic animal production (CAAP), means: the culture of marine or freshwater plants or animals in a variety of ways (i.e. ponds, recirculating systems, and floating or submersible net pens).
- EPA issues National Pollutant Discharge Elimination System (NPDES) permits for all aquaculture discharges in federal waters of the Gulf of Mexico (GOM). Federal waters for Clean Water Act purposes begins 3 miles from shore in the GOM.
- Permitting of aquaculture operations can be complex due to the number of permits and authorizations that are required.
  - Federal Permits:
    - EPA = NPDES permit for the discharge of pollutants into waters of the U.S.
    - Army Corps of Engineers (USACE) = Section 10 permit for any anchorage to the seabed in navigable waters
    - National Marine Fisheries Service (NMFS) = Gulf Aquaculture Permit (GAP) or Exempted Fishing Permit (EFP) for the harvesting of managed fish species
  - Federal Authorizations:
    - U.S. Coast Guard (USCG): authorization for private navigational aids
    - Bureau of Ocean and Energy Management (BOEM): right of use authorization to connect to any Oil & Gas platform
    - Bureau of Safety and Environmental Enforcement (BSEE): authorization to ensure no conflicts with Oil & Gas operations
- There are also complexities associated with complying with other applicable federal laws such as: National Environmental Policy Act (NEPA), Endangered Species Act (ESA), Coastal Zone Management Act (CZMA), and others.

Streamlining the Permit Process

- In 2014, EPA began chairing a committee to coordinate federal permitting procedures for offshore aquaculture in the GOM and to develop an effective and efficient federal permitting process that will protect the ocean environment and increase the coordination, consistency, and predictability in making permit decisions.
  On 02/06/2017, the EPA R4 entered into a Memorandum of Understanding (MOU) with seven federal agencies with the purpose of improving coordination amongst the Agencies and to streamline the regulatory permitting process for aquaculture facilities in federal waters in the GOM. The seven federal agencies included in the MOU are: BOEM, BSEE, EPA, NMFS, USACE, USCG, and USFWS.
- The interagency workgroup created multiple documents to help the aquaculture industry navigate the regulatory process.

Current NPDES Permit Applications

- EPA is currently working on two NPDES permits for aquaculture facilities in federal waters of the GOM. The issuance of the two permits is being done in close coordination with other federal agencies in accordance with the MOU.
- **BioMarine:**
  - On 09/27/2017, EPA received a permit renewal application from Biomarine for a proposed project that is approximately 7.5 miles south of the Alabama shore near the border of Florida waters. This facility currently has the only effective NPDES permit for an aquaculture facility within federal waters of the GOM, but the facility has not been built. Biomarine proposes to construct a 28-acre commercial facility that will produce 6.4 million lbs/year of three fish species in 56 net pen cages.
  - On 11/21/2017, the EPA sent a Notice of Deficiency letter to Biomarine stating that the NDPES application is incomplete and provided a list of information required for a complete application.
  - On 02/15/2018, the EPA held a teleconference with BioMarine to clarify what information is needed in order to consider the permit application complete.
  - To date, EPA has not yet received any information and the currently effective permit expires on 03/30/2018. The permit is expected to expire because the applicant has indicated that some information will not be submitted.
- **Kampachi Farms:**
  - On 01/12/2018, EPA received a permit application for a proposed aquaculture facility located approximately 33 miles from the western coast of Florida. The proposed facility is a research-scale project producing 150,000 lbs/year.
  - The application is considered incomplete at this time because additional information is still required such as a Baseline Environmental Survey (BES) that includes a sea floor survey. The permittee is aware of that the application is incomplete and is working in good faith to obtain the information.

Regional Administrator Check-In
Friday, April 06, 2018
3:30pm -- 4:30 pm EST

HQ Room: WJC North Room 3350
Regions: Phone Call
Conference Line: 1.866.299.3188, conference code (b)(6) personal privacy

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3:30 EST <u>Welcome and Roll Call</u>
Ken Wagner and Kell Kelly

3:35 EST

- 3:35 (15m) -- Educational Awards – Tate Bennett
- 3:50 (20m) – Field Presence Demo – Serena McIlwain and Kevin Hurley
- 4:10 (5m) – Overview of Regional Administrator Forum – Ken Wagner
- 4:15 (15m) – Key Regional Issues—Kell Kelly

Field Presence

POWER BI DEMO

Field Presence Summary

- The Field Presence workgroup (one of the 11 Reform Plan/Priority Project areas) seeks to better define EPA's field presence to show senior leadership where EPA staff are located in the field (outside of Washington, D.C.) and what types of functions are performed in those field locations.

- The workgroup's charge (in the form of the problem statement) is to understand why offices are where they are and what staff in these offices do in order to help the Agency make informed decisions about the best way (geographically) to efficiency and effectively deliver and support its mission.

A3 Problem Statement

Problem Statement (from A3 Form)

EPA's field presence in 106 office locations includes 10 regions responsible for serving multiple states, tribes, and territories and a collection of outpost program locations. The regions have different organizational structures, budget and workload distributions, and varying field presence models. The National Program Managers (NPMs) have offices in locations outside the DC metro area whose location may or may not be linked to a program need. There is no clear, consolidated picture of how and why our field presence is organized as it is and how it functions together.

About the Data Collected

- Data is a snapshot in time → Collected in November of 2017
- Regional and NPM data is included
  - Regions: All 10
  - NPMs: OAR, OARM, OCFO, OECA, OEI, OGC, OLEM, ORD, OW
- Data sample is comprised of all functions performed by EPA Staff (not SEEs, contractors, etc.) **outside of Washington, D.C**.

Data Limitations

- Data is an estimate of what functions are performed by who and where. These are not correlated with budget, workload, Program Results Code, or FTE numbers

How the Data was Collected

- In November of 2017, Regions and NPMs were requested to complete a data collection template.

- A set of instructions were provided which explained that the template was designed to collect ***estimates*** of ***what*** functions are performed in the organization by ***who***, and ***where*** these functions are performed."

Categories & Functions

- **Functions Were Broken into 8 Categories:**
  - Air
  - RCRA
  - Superfund
  - Water
  - OCSPP
  - Geographic
  - Cross-Program
  - Management
- **Approximately 80 functions were listed**
- **Function Example:** Air → Core Air Quality Program (definitions were provided)

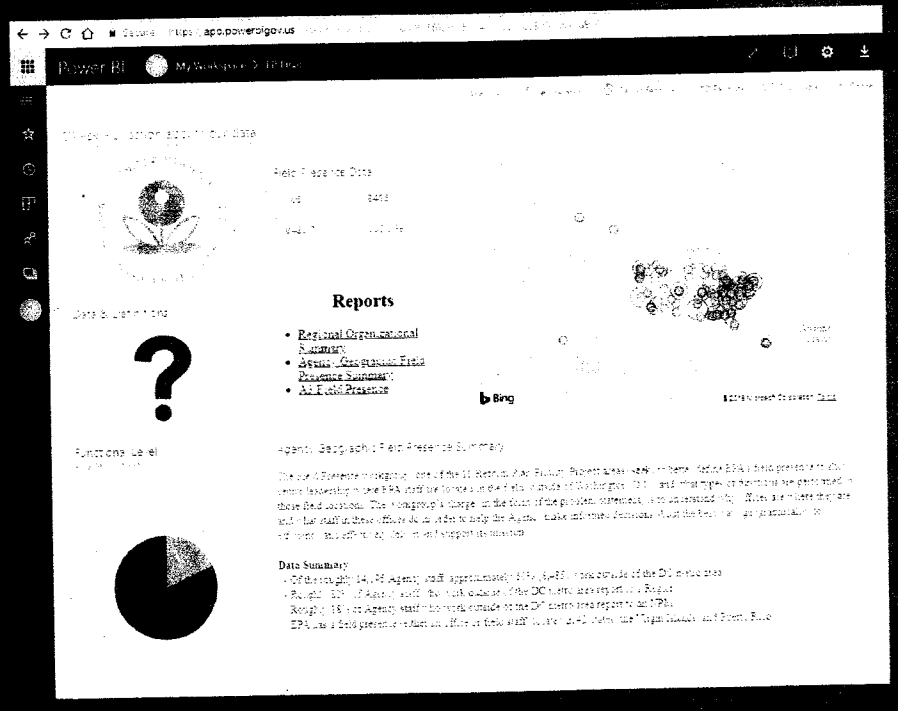
What the Summary Data Shows

Regions and NPMs reported information for 8,485 staff who work outside of the DC metro area:

- Roughly 82% of this data set report to a Region
- Roughly 18% of this data set report to an NPM
- EPA has a field presence (either an office or field staff) located in 42 states, the U.S. Virgin Islands, and Puerto Rico
- These states currently do not have an EPA field presence: Arkansas, Delaware, Iowa, Maine, Nebraska, South Carolina, Vermont, Wyoming

▶Field Presence Demo

The Power BI field presence tool allows users to filter and cross filter the information contained in the data set in various was in order to obtain insights about what types of functions are performed in those field locations.

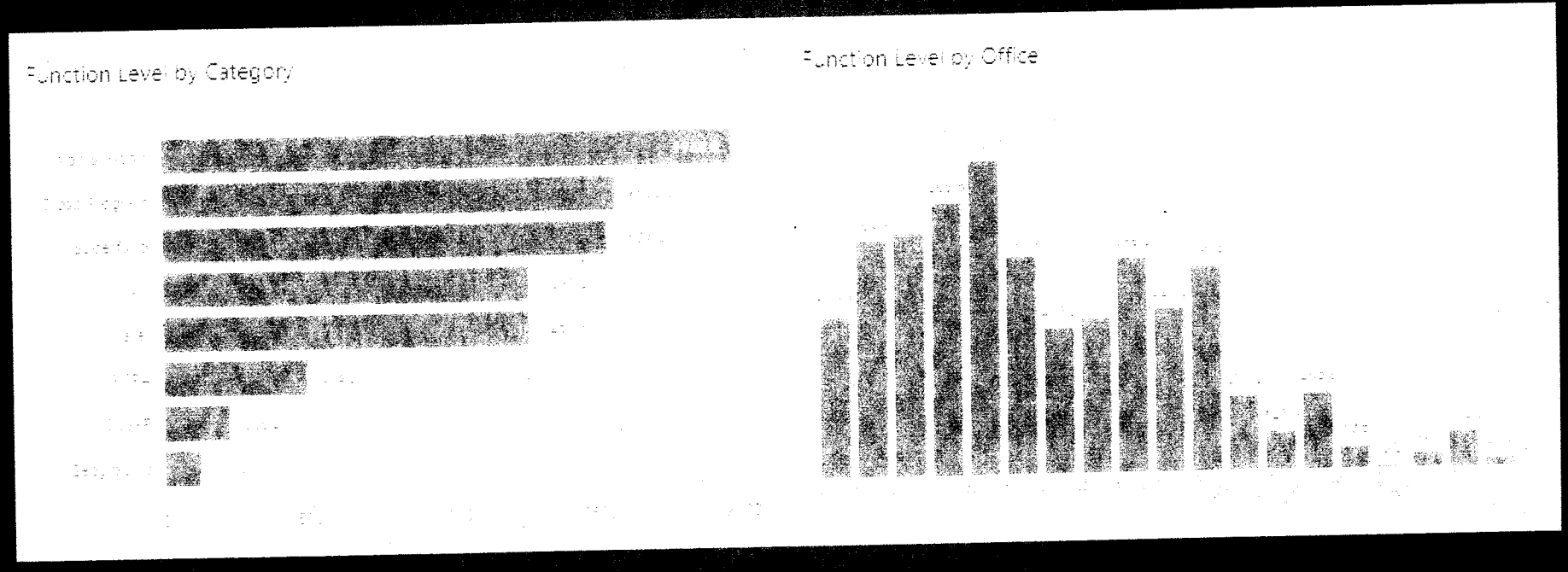


- **Locations** = The city, state where staff are geographically located to perform the function.
- **Staff Level** = General number of staff (not FTE) performing functions/activities at a given geographic location. This only includes EPA staff (not SEEs, contractors, etc.).
- **Function Level** = Each staff person was allocated up to four functions. No less than .025 could be allocated to a function, and each individual's function could add up to 1 (or less if part-time).
- **Function Level %** = Percentage of function level as it relates to the overall data sample.

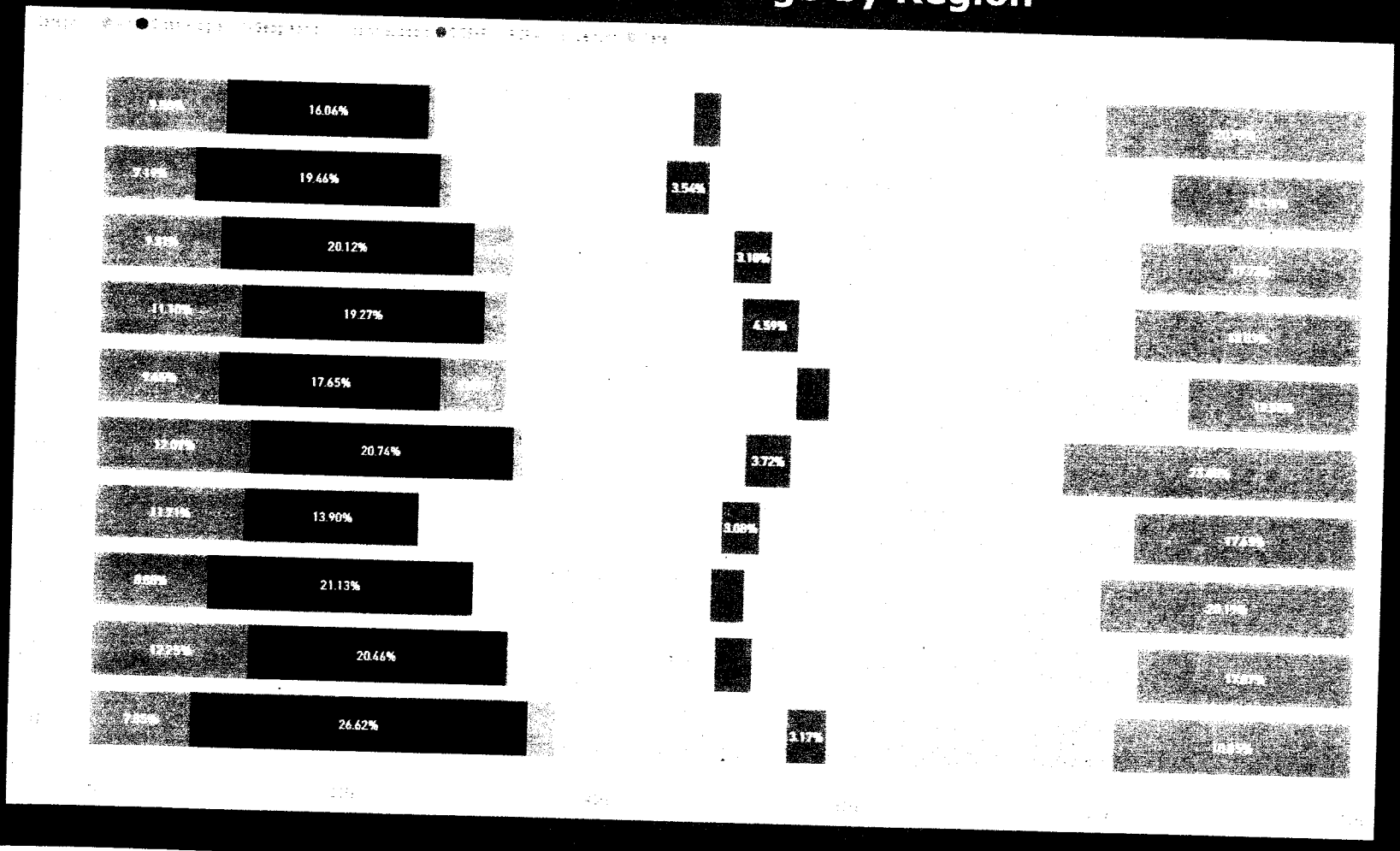
Why Types of Questions Can Be Asked:

- What states have no EPA field presence "locations"
- How many "locations" are in each state
- What percentage of EPA's "field presence" is located in a state
- What type of work ("Categories" and "Functions") are performed in a state
- Which Regions and NPMs have staff located in which states
- How does Region X compare to Region Y in terms of percent of staff performing "Cross-Program" category functions
- In which locations are EPA staff performing "Oil Spill Planning, Prevention & Response" Functions
- Etc.

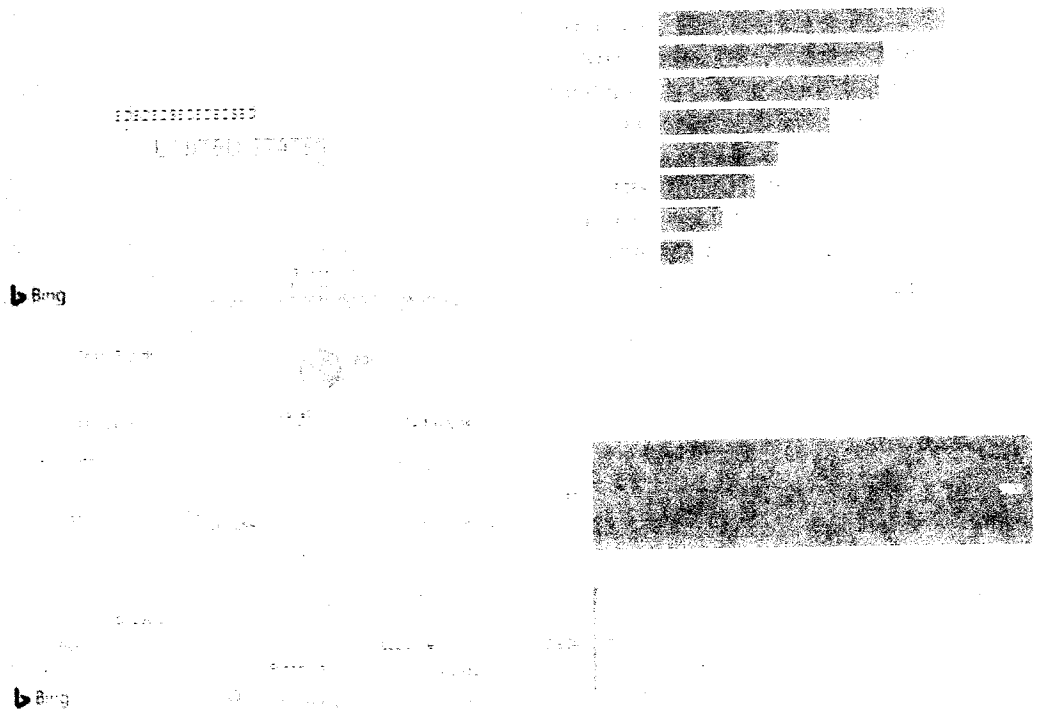
Function Level by Category and Office



Category "Function Level" Percentage by Region



State of Illinois Selected



3	1001	993	11.8%

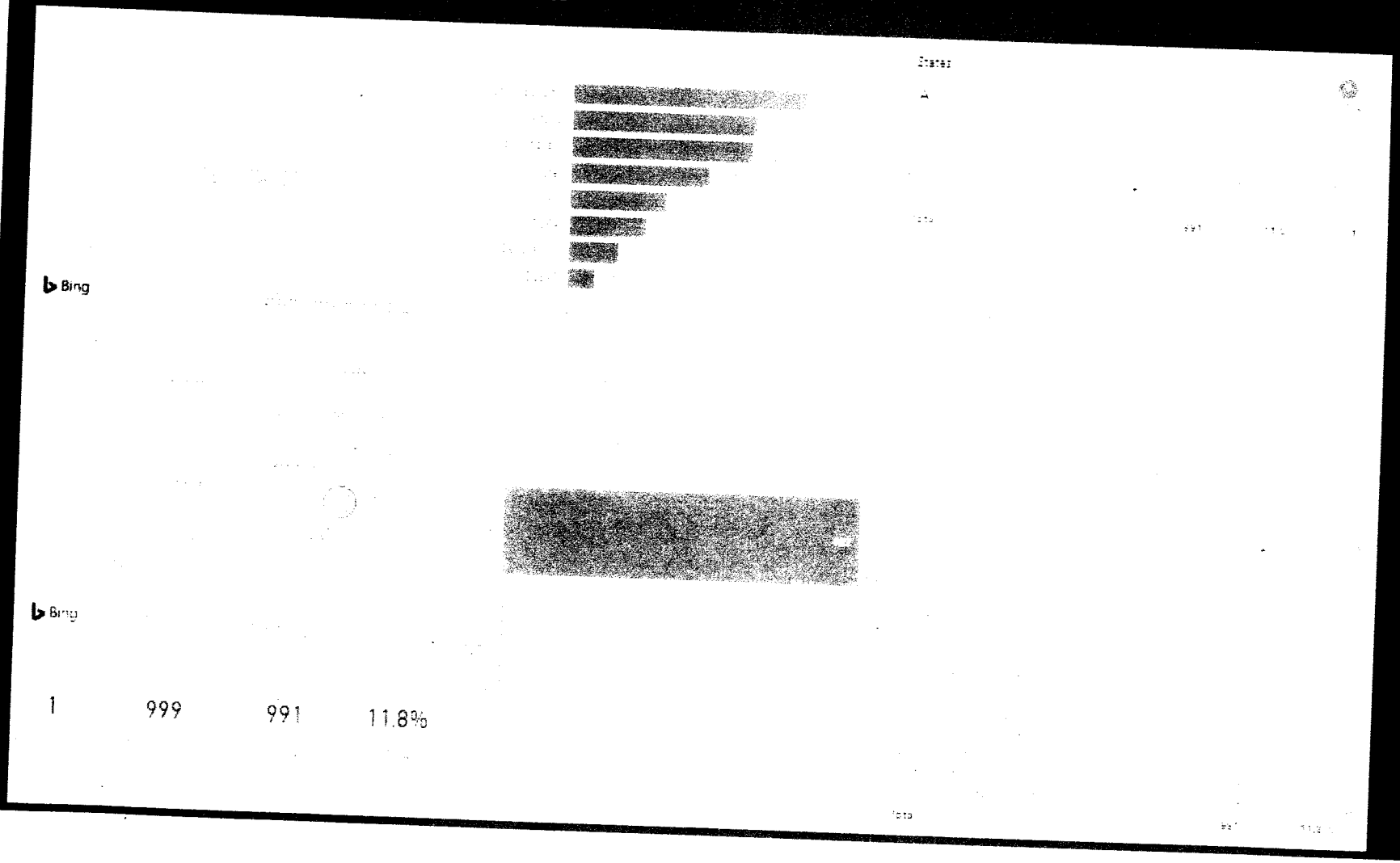
States

All

State	Function Level	Function Level %	Locations
[illegible]	993	11.8 %	[illegible]
Total	8420	100.0 %	105

Function	Function Level	Function Level %
NPDES Permitting	[illegible]	[illegible]
All Inspections & Enforcement	[illegible]	[illegible]
Groundwater Safe Drinking Water Protection	[illegible]	[illegible]
Information Technology	[illegible]	[illegible]
Core Air Quality Program	[illegible]	[illegible]
Core Surface Water Quality Program	[illegible]	[illegible]
RCRA Permitting & Corrective Action Direct Impl	[illegible]	[illegible]
Administrative Support	[illegible]	[illegible]
Information Management/FOIA Records	[illegible]	[illegible]
Superfund Enforcement	[illegible]	[illegible]
Geo Program: Great Lakes	[illegible]	[illegible]
Superfund Investigation & Remedial Program	[illegible]	[illegible]
Legal Counsel (C) - Enforcement	[illegible]	[illegible]
Total	993	11.8 %

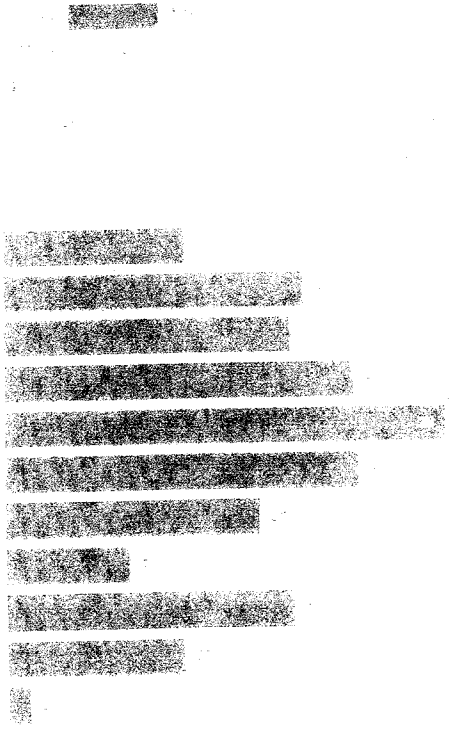
R5 Regional Office Selected



1	999	991	11.8%

Category "RCRA" Selected

Bing



States

All

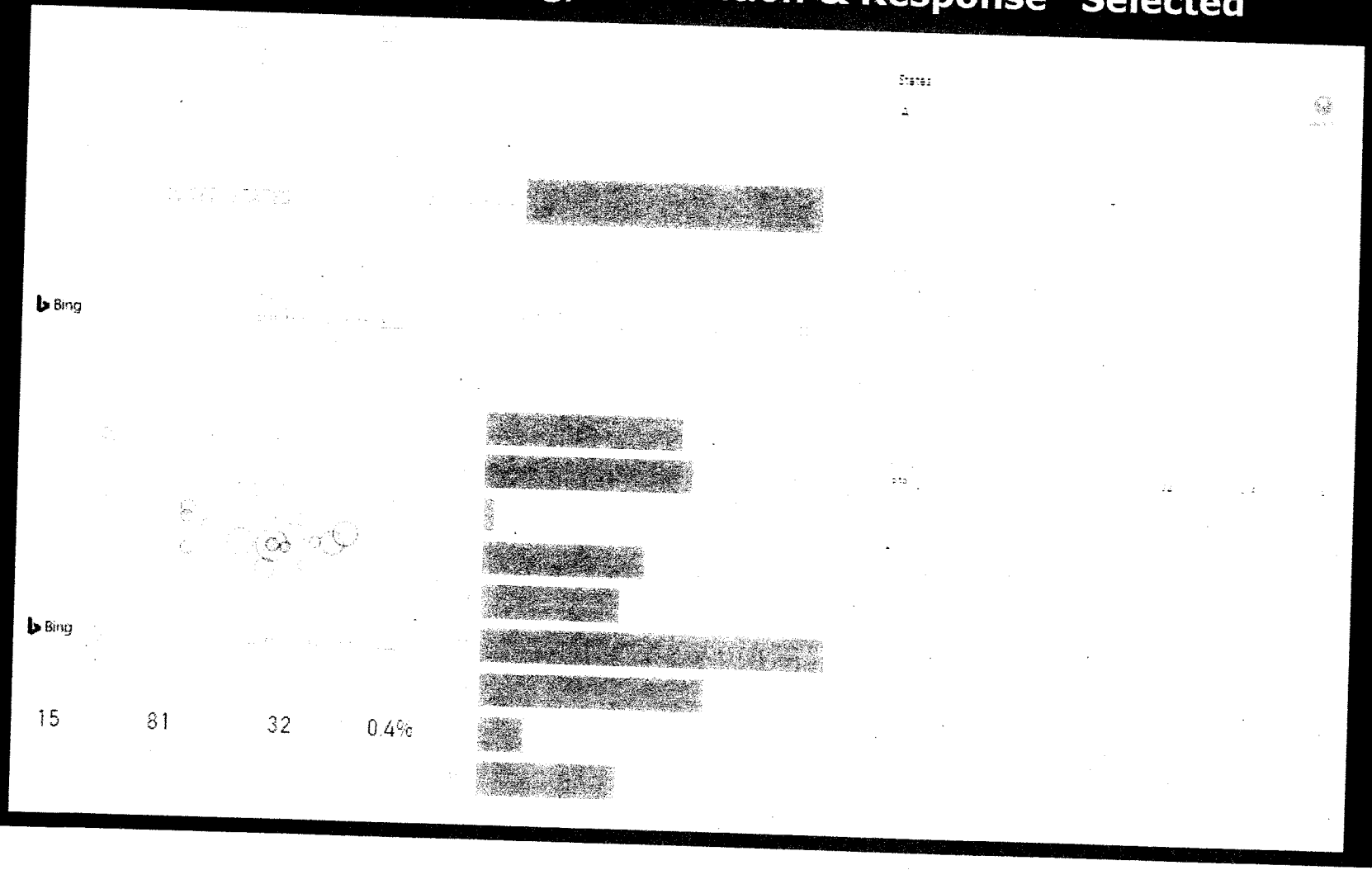
State	Function Level	Function Level %	Assessment
[illegible]	73	[illegible]	[illegible]
Texas	50	[illegible]	[illegible]
Georgia	42	[illegible]	[illegible]
California	37	[illegible]	3
Pennsylvania	28	[illegible]	[illegible]
Kansas	25	[illegible]	2
[illegible]	22	[illegible]	[illegible]
Massachusetts	20	[illegible]	[illegible]
[illegible]	17	[illegible]	2
Colorado	16	[illegible]	2
Puerto Rico	7	[illegible]	[illegible]
[illegible]	2	[illegible]	[illegible]
[illegible]	2	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
Total	494	5.9%	21

Function	Function Level	Function Level %
Rcra - State Program Development & Delegation	[illegible]	[illegible]
Rcra - Underground Storage Tanks Leaking Underground	55	[illegible]
Rcra - Underground Storage Tanks Leaking Underground	65	[illegible]
Rcra - Inspections & Enforcement	124	[illegible]
Rcra - Permitting & Corrective Action Corrective	193	[illegible]
Total	494	5.9%

Bing

21 596 494 5.9%

Function "Oil Spill Planning, Prevention & Response" Selected



April 9, 2018 - April 15, 2018

April 2018

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May 2018

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Monday, April 9

- **12:00pm - 1:00pm FW: ELMS Readiness Assessment Brown Bag Session 1... (WJC North, 3530)** (Skype Meeting) - Watson, Yvonne
- **1:00pm - 3:00pm VTC: Candidate Interview for Region 4 Regional Counsel position w/ Region 4 and HQs** (3216 WJC-South) - Bodine, Susan
- **1:00pm - 1:45pm General Discussion** (VTC: 3216 WJC-South and Region 4) - Bodine, Susan
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **2:00pm - 2:45pm General Discussion** (VTC: 3216 WJC-South and Region 4 -- Regional Administrator's Office, 61 Forsyth Street S.W., Atlanta, Georgia 30303-8960) - Bodine, Susan
- **3:00pm - 3:30pm Depart for Airport**
- **6:00pm - 7:00pm Meeting with Max Justice re capca** (Charlotte, NC)

Tuesday, April 10

- **Charlotte Pipe & Foundry Visit** (Charlotte, NC) - Glenn, Trey
- **11:00am - 11:45am BF Goodrich Update** (202-991-0477 [redacted] - Glenn, Trey
- **12:30pm - 3:30pm Charlotte Pipe and Foundry Tour** (Charlotte, NC)

Wednesday, April 11

- **12:00am CAPCA** (Asheville, NC) - Glenn, Trey
- **10:00am - 12:00pm CTS Site Tour** (Asheville, NC)
- **11:00am - 1:00pm Region 4's Hurricane Irma Recovery** (Conference Room 10T33) - Swingle, Pam
- **5:00pm - 6:00pm Meet with Harold Mitchell and Myra re Spartanburg** (Asheville, NC)

Thursday, April 12

- **12:00am CAPCA** (Asheville, NC) - Glenn, Trey
- **8:00am - 9:00am Breakfast w/Secretary Regan** (Asheville, NC) - Lance, Kathleen C
- **10:50am - 11:30am Update from NC DEQ Secretary Michael Regan**
- **3:30pm - 5:00pm One Year Later with Ken Wagner and Trey Glenn** (Asheville, NC)

Friday, April 13

- **10:30am - 11:15am Grenada Meeting Prep** (RA's Conference Room (call in number 404-562-9997 code [redacted] - Glenn, Trey
- **11:30am - 11:40am Discussion: MOU** (RA's Private Conference Room) - Glenn, Trey
- **11:45am - 11:55am Discussion: Tribal Consultation Documents** (RA's Private Conference Room) - Glenn, Trey
- **12:30pm - 1:00pm Discussion: ELMS** (Via Telephone (404) 562-9997 code [redacted] - Glenn, Trey
- **2:30pm - 3:30pm FW: Briefing MS Phosphates** (3146 WJC West Conference Line 202-991-0477 conf id [redacted] - Breen, Barry
- **4:00pm - 5:00pm Quarterly call, w/RAs ONLY** (3204WJC-South) - Bodine, Susan

Saturday, April 14

Sunday, April 15

BF GOODRICH SUPERFUND SITE

BACKGROUND:

- The Site is the location of multiple active chemical plants that have operated along the Tennessee River since the 1950s.
- Early operations led to the contamination of soil and ground water beneath the chemical plants, the floodplain along the river, and both in and beneath the river. EPA estimates that approximately 3.5 million cubic yards of soil is contaminated by non-aqueous phase liquids (NAPLs). NAPL is a term used to describe contaminants in a liquid solution that do not dissolve in or easily mix with water and flow separately from ground water.
- The potentially responsible parties for the site are financially viable and all federal expenditures are offset through cost recovery.

STATUS:

- Region 4 issued a Proposed Plan to clean up the Site in November 2017 totaling $244 million. The costs include: $143 million to excavate NAPL beneath the river; $84.4 million for a subsurface containment wall; and $16 million for ground-water cleanup beneath the river.
- Over 200 pages of comments were received, primarily from the PRPs, mainly focusing on the NAPL excavation beneath the river.
- In response to these comments, EPA has evaluated cost-effective alternatives to address the NAPL beneath the river. Region 4 proposes to revise the proposed alternative to address the NAPL beneath the river by merging the on-shore/off-shore NAPL area and expanding the Technical Impracticability (TI) zone. Upon approval, the EPA will publish an Amended Proposed Plan for public review (30 days) and comment.

KEY POINTS TO CONSIDER:

- Both HQs and Region 4 have agreed that the on-shore remedy as proposed in November 2017, is a protective and acceptable preferred remedy.
- The GW restoration policy establishes MCLs as ARARs in Class I/II (drinking water/potential drinking water aquifers); therefore, under CERCLA, ARARs must be attained or waived.
- On March 9th, the Region met with HQ and developed an alternative to the Proposed Plan that included a phased approach with a stabilization component.
- Region 4 no longer supports stabilization of the river NAPL area, because it would not provide any more protectiveness than what I'm proposing in today's revised approach.
    - True - GW would not be restored under this revised approach, just as GW would not be restored if stabilization were implemented.
    - True – While stabilization would create a waste management area (WMA), again, it still would not restore GW.
    - However, the Region's revised approach and the stabilization approach both provide the same degree of protectiveness in that there are no receptors.
- Under the revised approach, lines of evidence established for the on-shore TI zone should also be applied to the off-shore river NAPL:
    - Volume of NAPL
    - Hydro-geologic setting
    - Plant infrastructure

- The off-shore NAPL is actually the same material from on-shore sources that have migrated beneath the river and is located in the same geologic zones as the on-shore NAPL.
- EPA initially separated the on-shore and off-shore NAPL zones in the FS because it was presumed that different technologies would need to be utilized for the cleanup of contamination beneath the river versus beneath the on-shore facility. Although this is generally an option, EPA has since concluded that the strategy to be implemented on-shore would also effectively address the off-shore NAPL beneath the river and provide for the attenuation of ground water to MCLs.
- The revised approach addresses your concern (Mr. Administrator) regarding NAPL source under the river; by incorporating an enhanced design and extraction remedy to remove NAPL to the maximum extent practicable, and a containment wall that will prevent further migration of residual NAPL.
- Therefore, the Region recommends a front-end TI Waiver for the off-shore river NAPL because of the following reasons:
    - It is protective;
    - It is supported by KDEP and site PRPs;
    - It reconciles potential discrepancies and concerns with the November 2017 Proposed Plan;
    - Use of a TI-waiver is consistent with the Agency's ground-water restoration policy;
    - It provides continuity with the on-shore remedy; and
    - It provides final remedy closure and long-term stewardship of performance objectives.
- Approval of the revised path forward is consistent with the National Contingency Plan (NCP); and it supports your priorities, Mr. Administrator, of implementing innovative approaches to expedite cleanup of CERCLA sites and working with State partners in support of Cooperative Federalism.

NEXT STEPS (With EPA Administrator approval):

- Issue public notice to document the merger of the On-Shore/Off-Shore NAPL areas.
- 30-day comment period on public notice and public meeting.
- Conduct public notice and meeting concurrent with preparation of Draft Responsiveness Summary from initial comment period.
- Prepare and brief ROD for EPA Administrator's signature – July 30, 2018.

REVISED CLEANUP STRATEGY
POST AO & OSRTI BRIEFING SUMMARY
BF GOODRICH SUPERFUND SITE
CALVERT CITY, KENTUCKY
March 19, 2018

BACKGROUND

- Pre-Briefing was held for Silvina Fonseca, AO, and Doug Ammon, OSRTI on March 1, 2018.
- Formal briefing was held for AO and other OSRTI representatives on March 2, 2018.
- Meeting purpose was to present R4's recommended approach for addressing the issue of NAPL excavation from beneath the Tennessee River raised by KDEP and the PRPs during public comment on the Proposed Plan.
- After the meeting a summary of "Pros and Cons" was developed to flesh-out two potential options with AO and OSRTI to address their issues.
- From this process R4 Superfund developed a third approach that the Program believes addresses OSRTI's goal of groundwater restoration, along with maintaining the current ROD schedule of July 30, 2018.

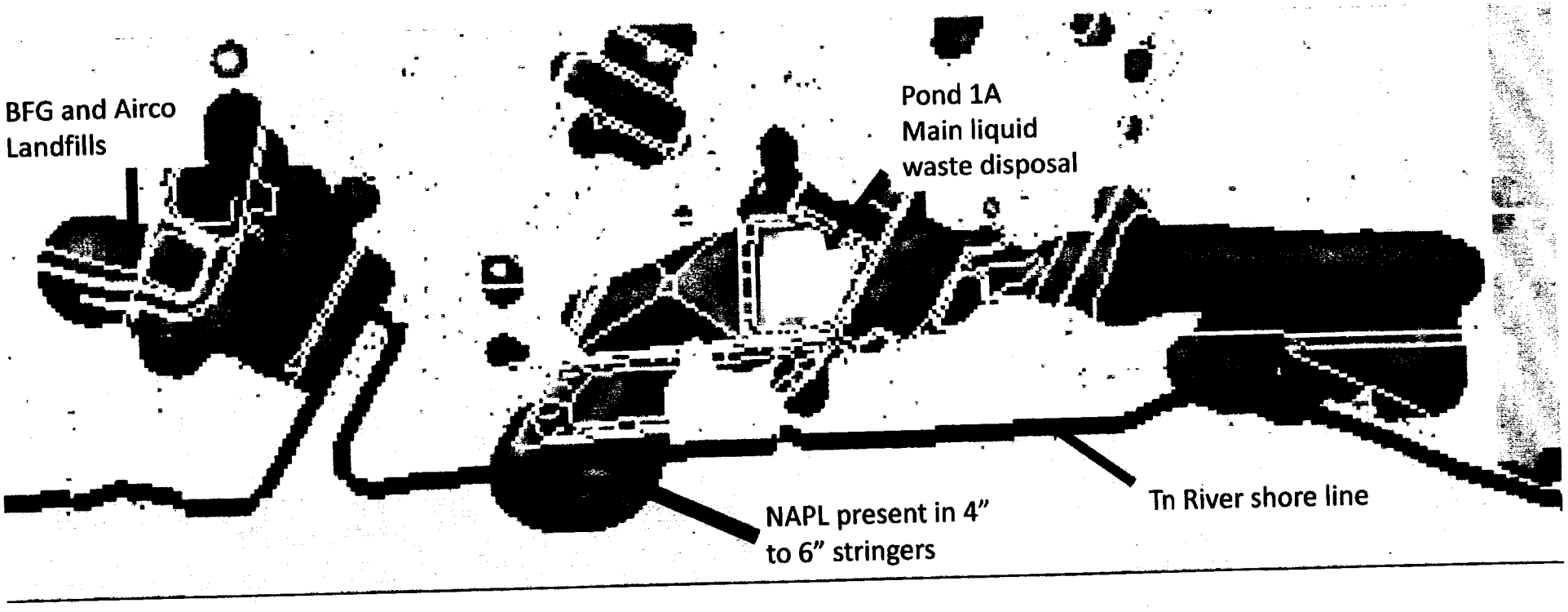
POTENTIAL OPTIONS FOR PATH FORWARD

- FS and Proposed Plan separated the "on-shore" and off-shore" areas due to different engineering challenges in addressing contamination below water versus below land surface. In retrospect, the NAPL and groundwater contamination beneath the river is an extension of the on-shore NAPL and groundwater contamination.
  - Characteristics of on-shore and off-shore NAPL are the same.
  - Nature of on-shore and off-shore NAPL is the same.
  - Primary purpose for on-shore and off-shore NAPL response is to prevent NAPL migration; restore groundwater; and protect the river.
- Resolve groundwater restoration issue for NAPL area beneath river by merging with on-shore response area. Dissolved phase groundwater beneath the river would remain as as a separate response as outlined in the Proposed Plan.
- ROD Selected Remedy:
  - Extend 200-acre on-shore boundary to include 3-acre off-shore NAPL area.
  - By extension, the on-shore elements would also apply to the 3-acre off-shore NAPL area, including the following:
    - NAPL and contaminated groundwater containment,
    - NAPL recovery to the extent practicable,
    - Groundwater restoration RAO with a waiver of the groundwater MCLs due to technical impracticability.
- Issuance of short public notice and 30-day comment period on proposed extension of on-shore response to incorporate 3-acre NAPL area beneath river.
- Public notice and comment period needed to primarily document and notify the public that an RAO has been added to for groundwater restoration in the 3-acre NAPL source zone beneath the river.

NEXT STEPS

- Seek OSRTI/AO approval.
- Issue public notice and conduct 30-day comment period.
- Conduct public meeting and document meeting using court reporter.
- Concurrent with comment period, prepare draft response to Responsiveness Summary.
- Based on public comment and AO/OSRTI feedback on Draft Responsiveness Summary, prepare draft ROD.

Waste/NAPL migrated from Pond 1A under gravity to the right along the interbeds and to the lower left, out under the river.



April 16, 2018 - April 22, 2018

April 2018

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May 2018

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Monday, April 16

- **12:00am RA Forum II and NREEA** (Chicago, IL and Lexington, KY) →
- **12:00pm Regional Administrator Forum 2** (Chicago, IL) - Wagner, Kenneth →
- **12:00pm - 4:30pm Regional Administrator Forum II** (Chicago, IL)
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen

Tuesday, April 17

- ← **RA Forum II and NREEA** (Chicago, IL and Lexington, KY) →
- ← **Regional Administrator Forum 2** (Chicago, IL) - Wagner, Kenneth →
- **8:00am - 5:00pm RA Forum II** (Chicago, IL)
- **9:00am - 1:00pm April's Regional Monthly Review** (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Glenn, Trey

Wednesday, April 18

- ← **RA Forum II and NREEA** (Chicago, IL and Lexington, KY) →
- ← **12:00pm Regional Administrator Forum 2** (Chicago, IL) - Wagner, Kenneth
- **11:30am - 12:00pm ETTP Water management Path Forward** (Via Telephone) - Glenn, Trey
- **12:30pm - 1:15pm Dekalb Check-in Call in (404) 562-9997 pin** (b)(6) (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Glenn, Trey
- **1:00pm - 1:30pm Oak Ridge** (RA's Conference Room Call In (202) 991-0477 pin: (b)(6) - Glenn, Trey
- **1:45pm - 2:30pm Daicel Brief** (Conference Phone # (202) 991-0477 Conference ID (b)(6) - Glenn, Trey
- **2:30pm - 3:30pm BF Goodrich (Only) Call in # (202) 991-0477 pin:** (b)(6) (RA's Conference Room and via Telephone) - Glenn, Trey

Thursday, April 19

- ← **12:00am RA Forum II and NREEA** (Chicago, IL and Lexington, KY)
- **9:00am - 10:00am National Rural Electrical Environmental Association - Environmental Conference** (Lexington, KY)
- **4:00pm - 5:00pm Meeting with Jim Noles** (Birmingham)

Friday, April 20

Saturday, April 21

Sunday, April 22

April 23, 2018 - April 29, 2018

April 2018

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May 2018

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Monday, April 23

- **Sanford Gasification Superfund Site Earth Day Event** (Orlando, Florida)
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **4:00pm - 5:00pm Staff Meeting Prep** (Via Telephone (404) 562-9906 Code (b)(6) - Glenn, Trey

Tuesday, April 24

- **Washington, DC**
- **9:30am - 10:15am CCR - dial 202-991-0477 code** (b)(6) (3146 WJC West) - Cook, Steven
- **10:00am - 12:00pm Human Library Connection and Administrative Professionals Recognition (Open Invite Please)** (Region 4 Library) - Robertson, Veronica
- **10:30am - 11:30am CONFIRMED - VTC: Dalcel Discussion w/ Region 4 and HQs, Call-In Number: 1 866-299-3188, Code:** (b)(6) (Environmental Protection Agency, Room 3216 William Jefferson Clinton -South Building, 1200 Pennsylvania Avenue NW, Washington, DC 20460) - Bodine, Susan

Wednesday, April 25

- **9:00am - 10:00am Meeting with Blake, Ken, and Beverly** (12th floor) - Glenn, Trey
- **9:40am - 10:00am Discussion with ORC** (RA's Private Conference Room) - Glenn, Trey
- **10:00am - 3:00pm SESD Visit** (Athens, GA) - Glenn, Trey
- **3:00pm - 3:30pm Meet and Greet with Region 4 Administrator: Trey Glenn** (Please dial in 202-564-4711) - Wheeler, Andrew
- **4:00pm - 5:00pm Oakridge Discussion** (RA's Conference Room Call in # (404) 562-9997 code (b)(6) - Glenn, Trey

Thursday, April 26

- **8:30am - 2:00pm Georgia State Compliance Assurance Meeting** (2 Martin Luther King Jr. Drive SW Atlanta, GA 30303 (12th Floor Board
- **12:30pm - 1:00pm Mid-Year PARS: Allison Wise** (RA's Small Conference Room) - Glenn, Trey
- **1:00pm - 1:30pm Mid-Year PARS: Denise Tennessee** (RA's Private Conference Room) - Glenn, Trey
- **1:30pm - 2:00pm Mid-Year PARS: Larry Lincoln** (RA's Small Conference Room) - Glenn, Trey
- **2:00pm - 2:30pm Mid-Year PARS: Carol Monell** (RA's Private Conference Room) - Glenn, Trey
- **2:30pm - 3:00pm Mid-Year PARS: Ken Lapierre** (RA's Private Conference Room) - Glenn, Trey
- **3:00pm - 3:30pm Mid-Year PARS: Jeaneanne Gettle** (RA's Private
- **3:30pm - 4:00pm Mid-Year PARS: Lakeshia Robertson** (Via
- **4:00pm - 4:30pm Meet and Greet with CID Leadership**

Friday, April 27

- **11:00am - 11:15am Call re:BFG** (Via Conference Line (404) 562-9997 Code (b)(6) - Glenn, Trey
- **3:00pm - 3:30pm Briefing: Calumet** (Administrator's Office) - Cody, Karen

Saturday, April 28

Sunday, April 29

April 23, 2018 - April 29, 2018

April 2018

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May 2018

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Monday, April 23

Sanford Gasification Superfund Site Earth Day Event (Orlando, Florida)

2:00pm - 3:00pm Senior Staff Meeting (Alm Room) - Cody, Karen

4:00pm - 5:00pm Staff Meeting Prep (Via Telephone (404) 562-9906 Code 629906) - Glenn, Trey

Tuesday, April 24

Washington, DC

9:30am - 10:15am CCR - dial 202-991-0477 code 3874563 (3146 WJC West) - Cook, Steven

10:00am - 12:00pm Human Library Connection and Administrative Professionals Recognition (Open Invite Please) (Region 4 Library) - Robertson, Veronica

10:30am - 11:30am CONFIRMED - VTC: Daicel Discussion w/ Region 4 and HQs, Call-in Number: 1 866-299-3188, Code: 202-564-2440 (Environmental Protection Agency, Room 3216 William Jefferson Clinton -South Building, 1200 Pennsylvania Avenue NW, Washington, DC 20460) - Bodine, Susan

Wednesday, April 25

9:00am - 10:00am Meeting with Blake, Ken, and Beverly (12th floor) - Glenn, Trey

9:40am - 10:00am Discussion with ORC (RA's Private Conference Room) - Glenn, Trey

10:00am - 3:00pm SESD Visit (Athens, GA) - Glenn, Trey

3:00pm - 3:30pm Meet and Greet with Region 4 Administrator: Trey Glenn (Please dial in 202-564-4711) - Wheeler, Andrew

4:00pm - 5:00pm Oakridge Discussion (RA's Conference Room Call in # (404) 562-9997 code 629997) - Glenn, Trey

Thursday, April 26

8:30am - 2:00pm Georgia State Compliance Assurance Meeting (2 Martin Luther King Jr. Drive SW Atlanta, GA 30303 (12th Floor Board

12:30pm - 1:00pm Mid-Year PARS: Allison Wise (RA's Small Conference Room) - Glenn, Trey

1:00pm - 1:30pm Mid-Year PARS: Denise Tennessee (RA's Private Conference Room) - Glenn, Trey

1:30pm - 2:00pm Mid-Year PARS: Larry Lincoln (RA's Small Conference Room) - Glenn, Trey

2:00pm - 2:30pm Mid-Year PARS: Carol Monell (RA's Private Conference Room) - Glenn, Trey

2:30pm - 3:00pm Mid-Year PARS: Ken Lapierre (RA's Private Conference Room) - Glenn, Trey

3:00pm - 3:30pm Mid-Year PARS: Jeaneanne Gettle (RA's Private

3:30pm - 4:00pm Mid-Year PARS: Lakeshia Robertson (Via

4:00pm - 4:30pm Meet and Greet with CID Leadership

Friday, April 27

11:00am - 11:15am Call re:BFG (Via Conference Line (404) 562-9997 Code 629997) - Glenn, Trey

3:00pm - 3:30pm Briefing: Calumet (Administrator's Office) - Cody, Karen

Saturday, April 28

Sunday, April 29

EPA Region 4's "Human Library Connection"

"Engage at Every Age"

"A New Experience"

Professional Administrative Council for Excellence (PACE) Happening

Featuring

Experienced Federal Workers (E-FEDs)

APRIL 24, 2018
10:00 AM – 12:00 PM
EPA LIBRARY - 9TH FLOOR

April 30, 2018 - May 6, 2018

April 2018

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May 2018

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Monday, April 30

Trey's Itinerary (Ft Lauderdale, West Palm Beach and Live Oak (Jacksonville)) - Glenn, Trey

- **10:30am - 11:00am Discussion: Radarcan Call in # (404) 562-9999 code** (b)(6) [redacted] RA's Conference) - Glenn, Trey
- **12:00pm - 12:30pm Mid-Year PARS: Beverly Banister** (RA's Small Conference Room) - Glenn, Trey
- **12:30pm - 1:00pm Mid-Year PARS: Mary Walker** (RA's Small Conference Room) - Glenn, Trey
- **1:00pm - 2:00pm Grenada/Rockwell Removal Meeting** (RA's Conference Room) - Glenn, Trey
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **3:00pm - 3:30pm MID-Year PARS: Scott Gordon** (RA's Small Conference Room) - Glenn, Trey
- **3:30pm - 4:00pm Mid-Year PARS: Franklin Hill** (RA's Small
- **4:00pm - 4:45pm Sand and gravel mining 404 enforcement cases**

Tuesday, May 1

Wednesday, May 2

Thursday, May 3

Friday, May 4

Saturday, May 5

Sunday, May 6

2018 Responsible Care Conference
Petroleum Products Site Visit
Everglades Tours
Suwanee Cares Celebration
Fort Lauderdale, West Palm Beach & Live Oak, Florida
April 30 - May 4, 2018

Additional Region 4 Staff:

Name	Telephone #	Transportation
Brandi Jenkins Blake Ashbee	(404) 702-9239	Brandi will drive rental

M&IE $229.50

4/30/2018	$38.25	5/1/2018	$51.00
5/2/2018	$51.00	5/3/2018	$51.00
5/4/2018	$38.25		

Monday, April 30, 2018

FLIGHT:

Leave: Atlanta via Delta 2327 at 7:25 pm
Arrive: Fort Lauderdale, Florida at 9:15 pm
Seat: 33D
Confirmation Number: GHQWC2

Hotel:

GALLERYone – A DoubleTree Suites by Hilton
2670 East Sunrise Bldv
Fort, Lauderdale, Florida 33304
Phone: (954) 565-3800
Check-in: Monday, April 30th after 3 pm
Check-out: Tuesday, May 1st by Noon
1 King IntraCoastal with View Suite
Confirmation Number: 81735602

2018 Responsible Care Conference
Petroleum Products Site Visit
Everglades Tours
Suwanee Cares Celebration
Fort Lauderdale, West Palm Beach & Live Oak, Florida
April 30 - May 4, 2018

Monday, April 30, 2018 (continued)
CAR RENTAL:

Avis Rent A Car
Intermediate Car
Pick-up: Ft. Lauderdale Airport at 9:15 pm
Drop-off: Friday, May 4th 8:30 am
Confirmation Number: 17960135US4

Tuesday, May 1, 2018

8:30 – 10:00 am 2018 Responsible Care Conference/Expo
Diplomat Resort & Spa
3555 South Ocean Drive
Hollywood, Florida 33019

Part of a Three Panel Session with:
Bill Erny – American Chemistry Council
Elizabeth Corona – EPA (HQ)

1:00 – 2:30 pm Petroleum Product Corps Site Tour

Drive to West Palm Beach

Hotel:

Hilton Palm Beach Airport
150 Australian Ave
West Palm Beach, Florida
Phone: (561) 684-9400
Check-in: Tuesday, May 1st after 3 pm
Check-out: Thursday May 3rd by Noon
Confirmation Number: 3443329197

2018 Responsible Care Conference
Petroleum Products Site Visit
Everglades Tours
Suwanee Cares Celebration
Fort Lauderdale, West Palm Beach & Live Oak, Florida
April 30 - May 4, 2018

Wednesday, May 2, 2018

7:30 – 10:00 am Everglades Tour

11:00 am - 12:30 pm Loxahatchee National Wildlife Refuge Tour

Thursday, May 3, 2018

AM Meeting in West Palm Beach

Drive to Jacksonville, Florida 4 hours and 3 minutes (284 miles) via 95 North

Hotel:

The Hampton by Hilton
13551 Airport Court
Jacksonville, Florida 32218
Phone: (904) 741-4001
Check-in: Thursday, May 3rd after 3 pm
Check-out: Friday, May 4th by Noon
Confirmation Number: 81735602

FLIGHT:

Leave: Jacksonville via Delta 997 at 8:30 am
Arrive: Atlanta at 9:38 am
Seat: 35E
Confirmation Number: GHQWC2

2018 Responsible Care Conference
Petroleum Products Site Visit
Everglades Tours
Suwanee Cares Celebration
Fort Lauderdale, West Palm Beach & Live Oak, Florida
April 30 - May 4, 2018

For flight changes contact:
BCD Travel: (866) 964-1346

Agency Record Locators: JC651S

$34.50 per change

For all other travel issue contact:
EPA Travel (513) 487-2346

Elmore Sand and Gravel

Elmore, Alabama

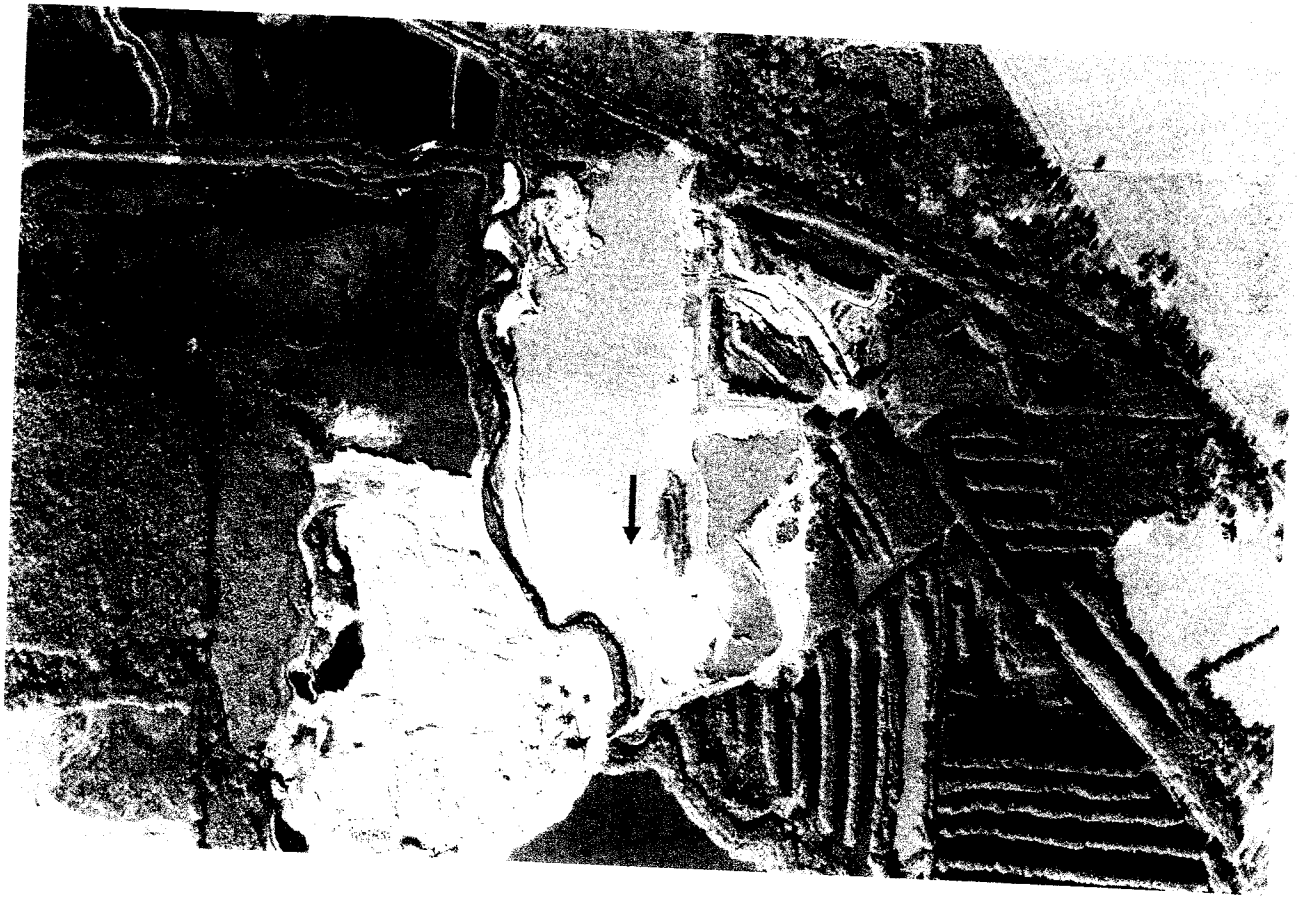
March 26-28, 2018

Mechanical land clearing and oil deposits in wetlands

Wetlands formerly under Speigner Lake. Mortar Creek in background and 20 ft high dike road.

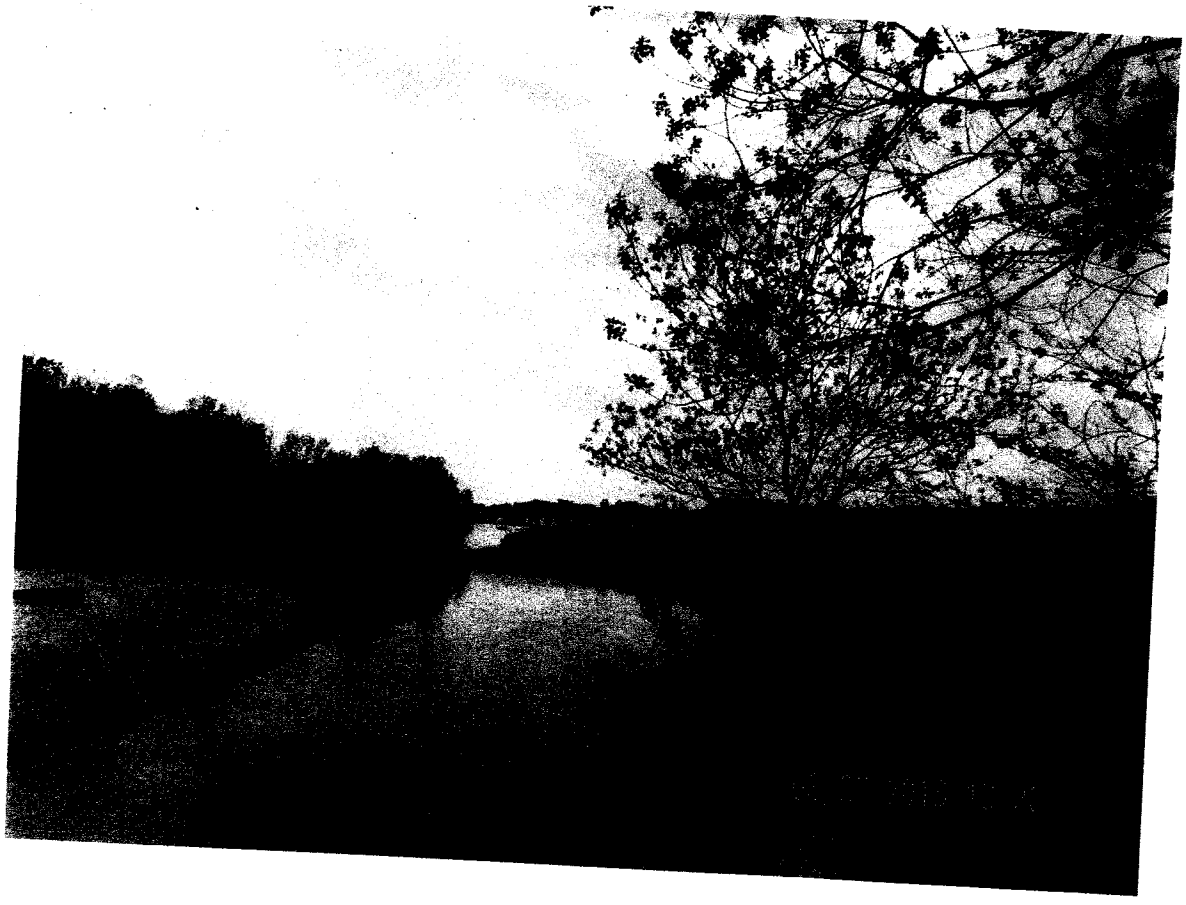
Slurry pond active pumping. Location of former forested wetlands

Slurry pond in 12/12/2017

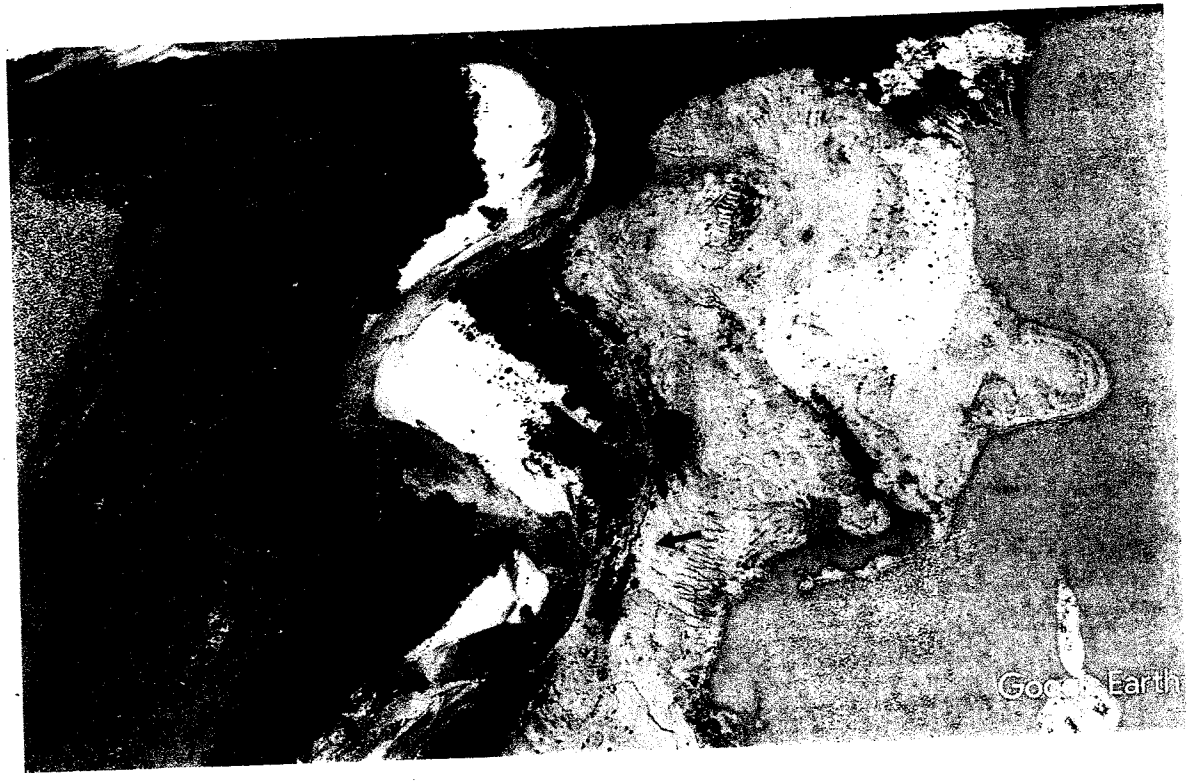


Mortar Creek nick point/erosion on Elmore sand and gravel stockpiles

Location of blown out dike. Mortar Creek and mining pit have comingled for 3.5 years. This was news to Elmore.



Mortar Creek flowing into mining pit.
Mortar Creek eroding mine spoil mounds



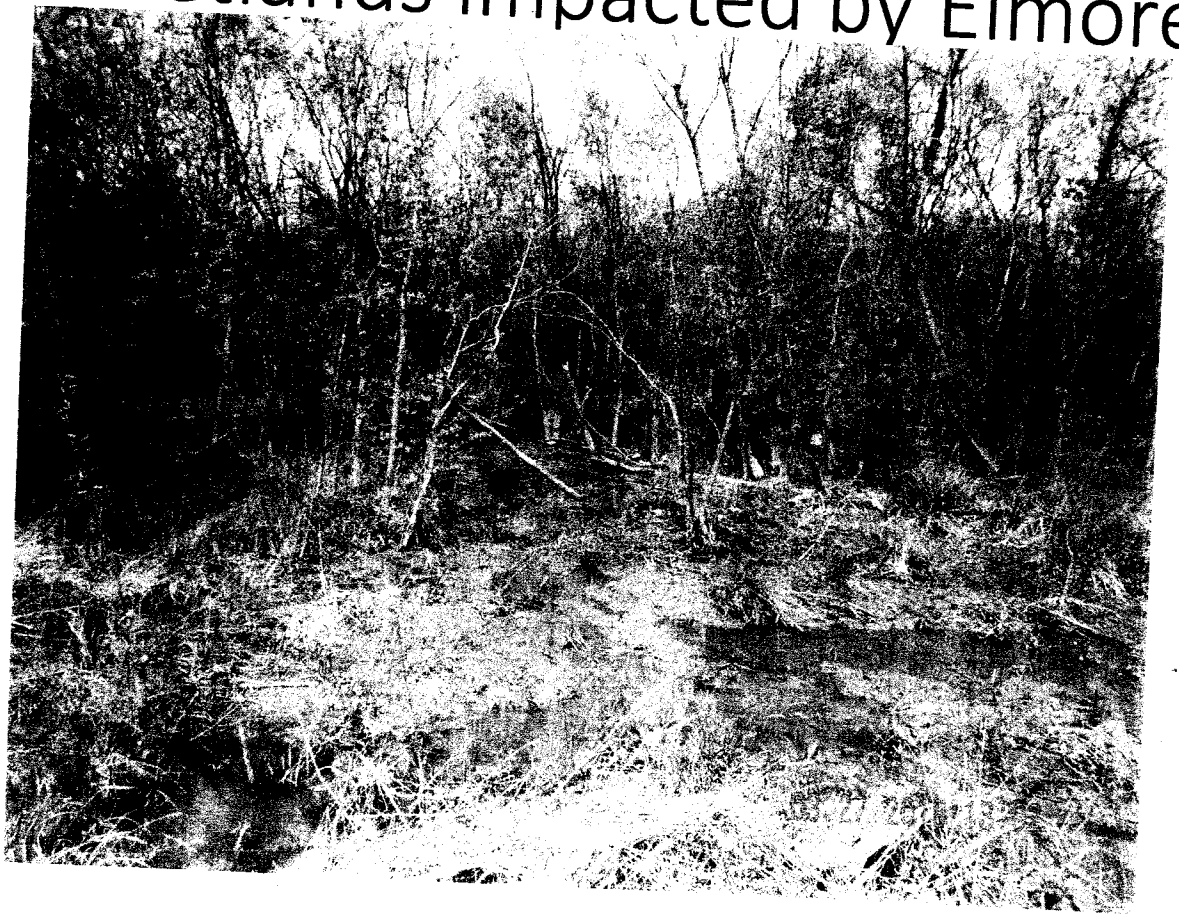
Elmore site in 2004 before work in Speigner Lake

Fill material pushed into mined area in former Speigner Lake location.

Excavated ditches and side cast material, former Speigner Lake location

Fill material pushed in to mined area, former Speigner Lake

Forested wetlands adjacent to Mortar Creek. Similar to wetlands impacted by Elmore.



Reference wetlands above the Elmore Site

Refernce wetlands below Elmore Site

Official Meeting/Briefing Request for the RA or DRA

Has your Division Director been briefed on this subject, and is he/she aware of your request to set up this meeting? Yes _X___ No ____

NOTE: A briefing sheet needs to accompany this meeting request

Date of Request: March 30, 2018

Requestor: Mike Wylie
Phone No.: 29409

Name of Meeting: Sand and gravel mining 404 enforcement cases in Elmore, Autauga and Macon Counties, Alabama.

Purpose of Meeting: Provide overview of cases and seek feedback on the potential for referrals to the DOJ.

Is the Meeting Date Sensitive? Yes ☐ No ☐	**Deadline Date:**	
Meeting Date/Time Preference #1	Date: Apr 9, 10, 11, or 12	Time: anytime
Meeting Date/Time Preference #2	Date: Apr 16, 17,18	Time: anytime
Meeting Date/Time Preference #3	Date: Apr 24-27, May 1, 2 or 3	Time: anytime

NOTE: All requested dates should be at least one week out. This request will be discussed on Friday.

Duration of Meeting: Unless otherwise indicated meetings will be scheduled for 45 minutes: 45 mins to present/15 mins Q&A
Do you need a conference number: Yes _____ NO X

Background:

WPD 404 enforcement staff are in the process of investigating five sand and gravel mining cases located in Macon, Elmore and Autauga Counties, AL (Elmore Sand and Gravel, Inc., Allstate Minerals, Inc., Alabama Sand and Gravel, Inc., Wiregrass Construction Company, Inc.) regarding impacts to jurisdictional waters from sand and gravel mining companies. In consideration of the significance of the impacts, as informed by site visits during the week of 3/26/18, several of these cases may warrant referrals to the Department of Justice. The Elmore and one of the Allstate sites both involve many hundreds of acres of wetland impacts. EPA and ADEM 402 have identified 402 (stormwater) violations on the Elmore site. The Allstate Minerals case involves significant wetland impacts on two tracts of land, and impacts on the Trace Pit site were discovered during EPA's negotiations with Allstate regarding impacts on the Dean Tract. Elmore continues to discharged fill material in waters on the Scott Pitt despite WPD staff warnings that such activities are unpermitted and are violations of the CWA.

Expectations from Meeting (Please be specific: Are you looking for a decision, guidance?)

Seek any feedback from the RA regarding the direction of these cases, including potential referrals to the Department of Justice.

No. of Participants:	Names of Required Invitees:	Optional Invitees:

(It is very important that the RA's office is aware of how many and whom...no surprises; i.e., we were told 2 staff members and 10 show up)	Mike Wylie, Jennifer Derby, Thomas Mcgill, Mary Walker, Dan Olone, Patrick Johnson, Philip Mancusi-Ungaro, Paul Schwartz, Mita Gosh, Mary Jo Bragan	Cesar Zapata

Requested Meeting Location:
Please email **final** slides, background documents etc., to **Wanda Hudson** and **Brandi Jenkins** 2-days prior to the scheduled meeting; failure to receive finalized documentation may cause your meeting to be rescheduled. Your Power-point presentation (if any) will be loaded and ready for showing at the scheduled meeting. All slides and background information will be printed for the RA, DRA, their Special Assistants and the COS by the front. **For a*ny critical issues that need to be elevated, please email Brandi Jenkins and Blake Ashbee.

May 7, 2018 - May 13, 2018

May 2018

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June 2018

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Monday, May 7

- **10:00am - 10:30am Policy & Procedures** (RA's Private Conference Room) - Glenn, Trey
- **11:00am - 12:00pm Senior Leader After Action Review of the 2017 Disaster Season** (Coop Site) - Breen, Barry
- **1:15pm - 1:45pm MFG Chemical - consent decree** (RA's Conference Room Call in # (404) 562-9997 Code (b)(6) - Glenn, Trey
- **1:45pm - 2:00pm Discussion: Emerging Issue in Mississippi** (RA's Conference Room) - Glenn, Trey
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **3:00pm - 4:30pm Debrief: From 4/30 Grenada Meeting** (RA's Conference Room Call in (202) 991-0477 code (b)(6) - Glenn, Trey
- **6:17pm - 7:23pm Flight Info: Delta Flight 3312** (Atlanta to Tallahassee)

Tuesday, May 8

Tallahassee & Clinton Itinerary

- **9:00am - 4:00pm FW: Meeting with EPA** (FDEP- Douglas Building-3900 Commonwealth Blvd Tallahassee, Florida 32399-Secretary's Conference Room 1037) - Truitt, John
- **3:22pm - 6:44pm Flight Info: Delta Flights 1639 and 131** (Tallahassee to Atlanta to Greenville)

Wednesday, May 9

- **8:00am - 9:00am Meeting with Dr. Dave Hargett - Founder /Executive Director of the Conestee Foundation** (Methodical Coffee 101 N. Main Street Unit D Greenville, South Carolina 29601)
- **9:30am - 10:30am Executive Session w/Executive Leadership Team**
- **12:00pm - 12:30pm Meeting with Mayors** (211 North Broad Street (City Hall Bailey Confernce Room), Clinton South Carolina) - Glenn, Trey
- **1:30pm - 3:00pm Brownfields Grant Recipient Award Recognition Ceremony** (Clinton, South Carolina) - Glenn, Trey
- **3:00pm - 3:30pm Meeting with Harold Mitchell** (Greenville-Spartanburg International Airport - 2000 GSP Dr, Greer, SC 29651, United States)
- **4:51pm - 5:53pm Flight Information: Delta Flight 1341** (Greenville to Atlanta)

Thursday, May 10

- **11:15am - 12:15pm Enforcement Discussion** (RA's Private Conference Room) - Glenn, Trey
- **4:00pm - 5:00pm Meet with Gary Smith re PowerSouth** (Birmingham, Alabama)

Friday, May 11

- **Wanda Leave** - Hudson, Wanda
- **9:00am - 9:15am Call with Matt Leopold re FL 404**

Saturday, May 12

Sunday, May 13

EAGLE HORIZON 2018

Senior Leader Activity – Lessons Learned from the 2017 Disaster Season

Mount Weather Emergency Operations Center Room #101

May 7th, 2018

11:00am- 12:00pm

Participants

Office of Emergency Management

Reggie Cheatham, Becki Clark, Tito Irizarry ***(facilitators)***

Brendan Roache ***(timekeeper)***

Julie Hyman Moore, Nancy Abrams ***(notetakers)***

HQ Senior Leaders

Andrew Wheeler, Ryan Jackson, Nancy Grantham, Ted Stanich, Betsy Shaw, Donna Vizian, John Showman, Holly Greaves, David Bloom, Charlotte Bertrand, Patrick Traylor, Henry Barnett, John Fogarty, David Hindlin, Steven Fine, Matt Leopold, Arthur Elkins, Charles Sheehan, Edward Shields, Craig Ulmer, Jane Nishida, Barry Breen, Nigel Simon, Steven Cook, Jennifer Orme-Zavaleta, Chris Robbins, Benita Best-Wong

Region 2, 4, 6, 9 Leadership

Alexis Strauss, Deborah Jordon, Trey Glenn, Mary Walker, Anne Idsal, David Gray, Peter Lopez, Walter Mugden, Franklin Hill, Enrique Manzanilla, John Prince, Carl Edlund, Dan Meer, Ronnie Crossland, Eric Mosher, James Webster

Agenda

11:00-11:10 – Introduction ***Becki Clark***

Review objectives of the discussion and how it feeds into OEM's broader After Action review; provide a brief recap of the response season.

11:10-11:30 – Discussion topic #1 ***Tito Irizarry***

In general, how did the response go from your perspective? Regions to use alloted time to identify "three ups, three downs," *i.e.*, what are the top three specific successes you can identify? What are the three improvements you would suggest?

11:10-11:15 ***Region 2***

11:15-11:20 ***Region 4***

11:20-11:25 ***Region 6***

11:25-11:30 ***Region 9***

11:30-11:45 – Discussion topic #2 ***Reggie Cheatham***

Did you have enough information about what was going on to make decisions*?

11:45-11:55 – Discussion topic #3 ***Becki Clark***

Were the Management Objectives appropriate, relevant and effective? Why or why not?

11:55-12:00 – Concluding remarks ***Reggie Cheatham***

**Time permitting, potentially seek feedback on specific sources of input: HQ Management reports/Regional Management reports, Policy Coordination Calls*

Florida State Compliance Meeting
May 7-8, 2018

Additional Region 4 Staff:

Name	Telephone #	Transportation
Brandi Jenkins	(404) 702-9239	Brandi has a rental

M&IE = $81.00

5/7/2018 $41.50 5/8/2018 $40.50
5/9/2017
NOTE: Need $11.00 for Clinton Lunch with Mayor)

Monday, April 7, 2018

FLIGHT:

Leave: Atlanta via Delta 3312 at 6:17 pm
Arrive: Tallahassee, Florida at 7:23 pm
Seat: 19B
Confirmation Number: G8MZF6

Hotel:

Hotel Duvall
415 North Monroe Street
Tallahassee, Florida 32301
Phone: (850) 224-6000
Check-in: Monday, May 7th after 3 pm
Check-out: Tuesday, May 8th by Noon
1 Queen Bed
Confirmation Number: 84881241

Florida State Compliance Meeting
May 7-8, 2018

Tuesday, May 8, 2018

FDEP State Compliance Meeting
3900 Commonwealth Blvd
Tallahassee, Florida 32399

9:00 am General Communications

- Ensuring Effective communications between agency leadership
- Specific Compliance Assurance activities likely for FY18

10:00 am State Topics

- State Environmental Compliance Problems
- State needs from EPA
- Compliance Assurance Priorities of the State
- Effectively using combined resources to address needs
- Resource Issues (Budget, Work Sharing, Staffing, Technology, etc)

11:00 am EPA Topics

- NEI Update & Status
- CMS
    - Does the State have an Alternate CMS?
    - Best Practices
- Planned Audits
    - SRF Round 4
- Audit results
    - SRF Round 3 Recommendations
- Training
    - Opportunities
    - Needs
- Data
        - Annual Data Metrics Analysis Review
        - Citizen Suits
        - Tips & Complaints

12:00 – 1:00 pm LUNCH

1:00 Performance Partnership Agreement/Performance Partnership Grant Overview

1:30 – 2:30 pm Program Specific Discussions (Group & Break Out Sessions as needed)

FDEP Participants: Mike Halpin, John Truitt, Secretary Noah Valenstein (Tentative)

Florida State Compliance Meeting
May 7-8, 2018

Tuesday, May 8, 2018 (continued)

FLIGHT:

Leave: Tallahassee via Delta 1639 at 3:22 pm
Arrive: Atlanta at 4:26 pm
Seat: Assigned at Check-in

1 hour and 19-minutes layover in Atlanta

Leave: Atlanta via Delta 131 at 5:45 pm
Arrive: Greenville, South Carolina at 6:44 pm
Seat: Assigned at Check-in

Confirmation Number: G8MZF6

Hotel:

Embassy Suites by Hilton Greenville Downtown Riverplace
250 Riverplace
Greenville, South Carolina
Phone: (864) 263-4800
Check-in: Tuesday, May 8th after 3 pm
Check-out: Wednesday, May 9th by Noon
1 King Bed – 2 Rooms
Confirmation Number: 53623106

Wednesday, May 9, 2018

7:30 am	Meeting with Dr. Dave Hargett TBD
9:00 am	Meeting with Harold Mitchell TBD
10:45 am	Depart for Clinton

Florida State Compliance Meeting
May 7-8, 2018

12:00 pm	Meet & Greet w/Recipients (Hosted by Mayor McLean)
1:00 pm	Opening Remarks: Mayor Robert McLean
1:05 pm	State Perspective: Don Siron, SC DHEC
1:15 pm	Brownfields Grant Award Presentation: Trey Glenn
1:25 pm	Remarks from Other Recipients
2:00 pm	Check Presentation (2-2:15 Media Availability)
2:15 pm	Reception
2:45 pm	Depart for Greenville Airport

FLIGHT:

Leave: Greenville via Delta 1341 at 4:51 pm
Arrive: Atlanta at 5:53 pm
Seat: 18C
Confirmation Number: G8MZF6

For flight changes contact:
BCD Travel: (866) 964-1346

Agency Record QH7CRO

$34.50 per change

For all other travel issue contact:
EPA Travel (513) 487-2346

EPA Region 4 Shared Service Center (SSC) Site Visit/Training
May 9 – 10, 2018

Start	End	Agenda Topics	
		Wednesday, May 9, 2018	
8:30	9:00	***Arrival and Welcome Reception*** *OPM Senior Leaders, OHCM, Shared Service Center ~ 9th Floor Tandberg Conference Room*	
9:00	9:25	***OPM & Shared Service Center Leadership Discussion*** *Kenneth Lapierre, Vickie Tellis and Shared Service Center Leaders* *14th Floor ARA Conference Room*	
9:30	10:30	**Executive Session with Executive Leadership Team** *14th Floor RA's Conference Room*	
10:30	10:45	***Break***	
10:45	12:00	**Reporting** **Facilitated by Carly Sinani** *AOs, HR ~ 9th Floor Training Room 9E*	**Tips & Tricks – Classification Documents, EZ Hire, Question Library** **Facilitated by Latera Marks and Anne McWhinney** *Managers/SMEs/AOs ~ 9th Floor Training Room 9D*
12:00	1:00	***Lunch***	
1:00	2:15	**Metrics** **Facilitated by Carly Sinani** *Managers/SMEs/AOs ~ 9th Floor Training Room 9E*	
2:15	2:30	***Break***	
2:30	4:00	**Tips & Tricks – Classification Documents, EZ Hire, Question Library** **Facilitated by Latera Marks and Anne McWhinney** *Managers/SMEs/AOs ~ 9th Floor Training Room 9D*	

EPA Region 4 Shared Service Center (SSC) Site Visit/Training
May 9 – 10, 2018

Start	End	
		Thursday, May 10, 2018
9:00	9:30	**Open Forum for AOs** **9th Floor Tandberg Conference ~ (Anne McWhinney & Latera Marks)**
9:30	10:00	**SESD One-On-One Session** **Facilitated by Deputy Director** *Managers/SMEs/AOs ~ 9th Floor Tandberg Conference Room via VTC*
10:00	10:30	**SFD One-On-One Session** **Facilitated by Deputy Director** *Managers/SMEs/AOs ~ 9th Floor Training Room 9E*
10:30	11:00	**GMP One-On-One Session** **Facilitated by Deputy Director** *Managers/SMEs/AOs ~ 9th Floor Training Room 9E*
11:00	11:15	**Break**
11:15	11:45	**ORA One-On-One Session** **Facilitated by Chief of Staff & DARA** *Managers/SMEs/AOs ~ 9th Floor Training Room 9E*
11:45	12:15	**APTMD One-On-One Session** **Facilitated by Deputy Director** *Managers/SMEs/AOs ~ 9th Floor Training Room 9E*
12:15	1:30	**Lunch**
1:30	2:00	**WPD One-On-One Session** **Facilitated by Deputy Director** *Managers/SMEs/AOs ~ 9th Floor Training Room 9E*
2:00	2:30	**RCRD One-On-One Session** **Facilitated by Deputy Director** *Managers/SMEs/AOs ~ 9th Floor Training Room 9E*
2:30	3:00	**ORC One-On-One Session** **Facilitated by Deputy Director** *Managers/SMEs/AOs ~ 9th Floor Training Room 9E*
3:00	3:30	**Break**
3:30	4:00	**OPM One-On-One Session** **Facilitated by Deputy Director** *Managers/SMEs/AOs - 14th Floor ARA Conference Room*
4:00	4:30	**Wrap-Up** *Kenneth Lapierre, Vickie Tellis ~ 14th Floor ARA Conference Room*

SSC Participants:
Arron Helm, Office Director, OARM-RTP
BJ Collins, Deputy Office Director, OARM-RTP
Ryan Atkinson, Deputy Director, HRMD
Rena Sawyer, Section Chief
Latera Marks, HR Specialist
Anne McWhinney, HR Specialist
Carly Sinani, HR Specialist

R4 POC:
Kenneth Lapierre, ARA (404-562-8570)
Vickie Tellis, DARA, Acting HRO (404-562-8218)
Rhonda Bailey, Senior Advisor (404-562-9442)
Delphine D. Williams, HR Specialist (404-562-8148)
Adrienne Kirkland, HR Specialist (404-562-8124)
Susan Park, Special Assistant (404-562-9604)

May 14, 2018 - May 20, 2018

May 2018

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June 2018

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24	25	26	27	28	29	30

Monday, May 14

- **12:00pm - 1:00pm Personnel Issue** (Trey's Private Conference Room) - Glenn, Trey
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **3:30pm - 4:00pm Biweekly Meeting with Director: Franklin Hill** (RA's Small Conference) - Glenn, Trey

Tuesday, May 15

- **8:30am - 10:30am May's Regional Monthly Review** (RA's Conference Room) - Glenn, Trey
- **11:00am - 12:00pm All-Hands Meeting on Tuesday, May 15th.** (Conference Rooms 9D&E) - Maddox, Sherry
- **2:00pm - 3:30pm FY2019 Performance Partnership Agreement (PPA) Priority Alignment Meeting with Kentucky DEP** (RA's Conference Room Call in Number (202) 991-0477 Code (b)(6) - Glenn, Trey
- **4:00pm - 6:00pm Depart for Tennessee** (Atlanta to Chattanooga)
- **6:15pm - 6:30pm Hotel Information: Chattanooga Marriott Downtown** (Two Carter Plaza Chattanooga Tennessee 37402 (423) 756-0002) - Glenn, Trey

Wednesday, May 16

- **Chattanooga, TN**
- **9:35am - 10:20am Keynote Speaker Environmental Show of the South** (Chattanooga Convention Center 1150 Carter Street Chattanooga, TN 27402) - Glenn, Trey
- **1:00pm - 2:30pm Southside Chattanooga Lead Site Tour** (Southside Chattanooga Lead Site Intersection of East 16th Street and Jefferson) - Glenn, Trey
- **2:45pm - 4:45pm Depart for Georgia** (Chattanooga to Atlanta)

Thursday, May 17

- **11:00am - 12:00pm Annual OIG Outreach Meeting with R4 RA** (RA's Conference Room/Call in # (404) 562-9997 code (b)(6) - Glenn, Trey
- **1:00pm - 1:45pm Gastonia NC Construction Grant Appeal Determination** (RA's Conference Room Call-in # 404-562-9997 code: (b)(6) - Glenn, Trey
- **2:00pm - 3:00pm Tallassee Title VI Update** (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL (Call In 404-562-9997) code (b)(6) - Glenn, Trey
- **3:15pm - 4:15pm FTE Discussion** (RA's Conference Room Call-in # (404) 562-9997 code (b)(6) - Glenn, Trey

Friday, May 18

- **9:30am - 10:00am Staff briefing re: BF Goodrich** (RA Conference Room Call in (404) 562-9997 code (b)(6) - Glenn, Trey
- **10:30am - 11:00am 404 Assumption** (Via Telephone (404) 562-9997 Code: (b)(6) - Glenn, Trey

Saturday, May 19

Sunday, May 20

PPA/PPG Priority Alignment Meeting with Kentucky

EPA Region 4/Atlanta Sam Nunn Atlanta Federal Center
14th Floor West, RA Conference Room
61 Forsyth Street, Atlanta, GA 30303
(Call-in number 1-202-991-0477 Code (b)(6)[redacted]

Tuesday, May 15, 2018
2:00 p.m. – 3:15 p.m. EST

AGENDA

2:00 p.m. **Opening Remarks**
- *Onis "Trey" Glenn, Region 4 Administrator*
- *Aaron Keatley, Commissioner*

2:10 p.m. **Highlights and Feedback from 2018 Regional PPA/PPG Process**
- *Onis "Trey" Glenn, Region 4 Administrator*
- *Aaron Keatley, Commissioner*

2:25 p.m. **High Level Priority Discussion**
- *Onis "Trey" Glenn, Region 4 Administrator*
- *Aaron Keatley, Commissioner*

3:00 p.m. **2019 Process and Timeline** – *Ken Lapierre, Assistant Regional Administrator*

FY 2019 Timeline	
• High level priority alignment meeting/call with Kentucky	May15th
• Region to share PPG work plan template with State using SharePoint	June
• State to submit PPG application (without final work plan)	August
• Work plan negotiations • State to submit draft FY19 PPG work plan in SharePoint (August) • Region reviews state work plan comments (August) • State notified to respond to EPA comments in SharePoint (September) • State to submit final draft work plan to EPA for approval (September)	August-September
• State/programs notified that the work plan is approved in SharePoint	October
• State to submit signed work plan	October
• Signed work plan is routed for RA signature	October

3:10 p.m. **Closing Remarks** - *Onis "Trey" Glenn, Region 4 Administrator*

3:15 p.m. **Meeting Adjourned**

Environmental Show of the South and
Southside Chattanooga Lead Site Tour
Chattanooga, Tennessee
May 15-16, 2018

Additional Region 4 Staff:

Name	Telephone #	Transportation
Brandi Jenkins	(404) 702-9239	Bryan will drive the GOV
Bryan Myers	(678) 488-2330	
Carol Monell	(404) 307-3782	

M&IE $96.00

5/15/2018	$48.00	5/16/2018	$48.00

Tuesday, May 15, 2018

DRIVE POV:

Leave: Atlanta approximately 4:45 pm
Arrive: Chattanooga, Tennessee approximately 6:45 pm
Distance: 115 Miles 1 hour and 41 mins

Hotel:

Chattanooga Marriott Downtown
Two Carter Plaza
Chattanooga, Tennessee 37402
Phone: (423) 756-0002
Check-in: Tuesday, May 14th after 3 pm
Check-out: Wednesday, May 15th by Noon
1 King Bed
Confirmation Number: 90143605
On-Site daily parking: Self Parking $11.00/Valet $15.00

7:00 pm Dinner at Alleia
25 East Main Street
Chattanooga, Tennessee 37408

Environmental Show of the South and Southside Chattanooga Lead Site Tour Chattanooga, Tennessee May 15-16, 2018

Wednesday, May 16, 2018

Bryan will provide transportation in GOV

9:35 am – 10:20 am	Keynote Speaker Environmental Show of the South Chattanooga Convention Center 1150 Carter Street Chattanooga, Tennessee 27402
1:00 pm – 2:30 pm	Southside Chattanooga Lead Site Tour TDEC's office located at 1301 Riverfront Parkway 2nd Floor, Suite 206 Chattanooga, Tennessee

EPA Participants:

Trey Glenn – Regional Administrator
Brandi Jenkins – Special Assistant to the RA
Bryan Myers – R4 Government Liaison
Scott Miller – Restoration and Sustainability Section Chief
Perry Gaughan – Region 4 On-Scene Coordinator
Robenson Joseph – R4 SF Remedial Project Manager

TDEC Participants:

Shari Meghreblian, Commissioner

City of Chattanooga Participants:

Mayor Andy Berke

Congressional Field Office Participants:

Claire McVay – Staffer for Senator Corker

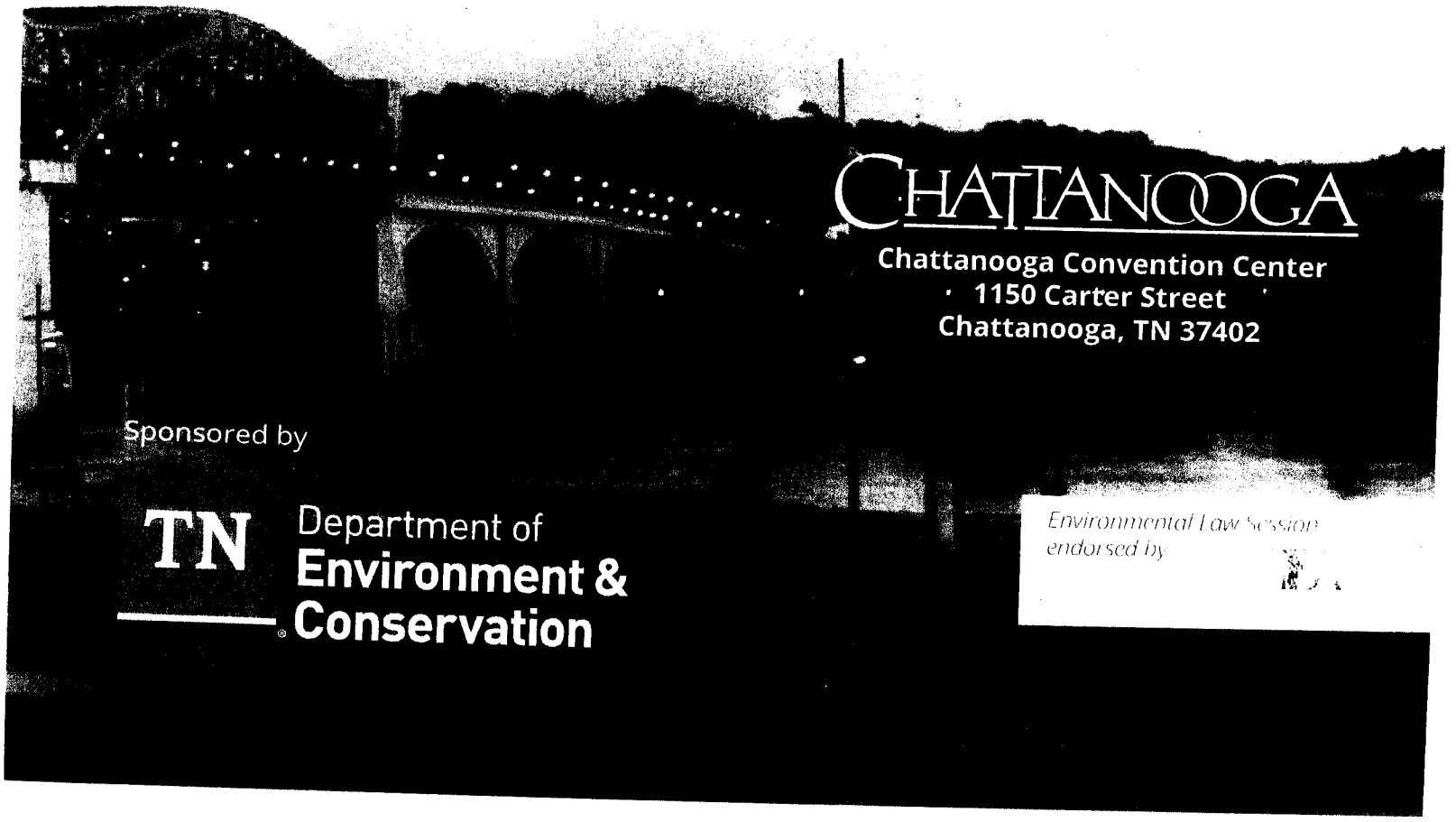
Approximately 2:45 pm depart for hotel to pick up POV

Approximately 3:00 depart for Atlanta, Georgia

Environmental Show of the South and
Southside Chattanooga Lead Site Tour
Chattanooga, Tennessee
May 15-16, 2018
For travel issue contact:
EPA Travel (513) 487-2346

47th Annual ENVIRONMENTAL SHOW OF THE SOUTH

May 16-18, 2018



Welcome to the Environmental Show of the South

Welcome to the largest and most comprehensive environmental conference and tradeshow in the region: the Environmental Show of the South! We're glad you could join us back in Chattanooga! You're in good company, and we've got lots to keep you busy. Download our mobile app to help keep track of all the presentation options and which ones you might like to check out. Scan the QR code at Registration for easy access on Google Play or the App Store.

At a Glance

Plenary Sessions

Attendees and booth workers alike attend the Opening Session in the Banquet Rooms on Wednesday morning to officially kick off the event. Outside of plenary events like this, the Exhibit Hall will be the main gathering point, hosting breakfast, breaks, and the Welcome Reception Wednesday evening. A special off-site reception will be held Thursday Night at the Tennessee Aquarium.

Breakout Sessions

Attendees may consult the At-A-Glance session schedules on pages 16-19 to decide from seven or eight options during each of the three rounds of breakout sessions Wednesday afternoon and throughout the day Thursday. All breaks are synchronized, so you'll always be able to meet back up with your colleagues to compare notes! Download our app to learn more about each presenter.

Exhibit Hall

With over 160 exhibitors—check out their listings at the back of this program—the Exhibit Hall will host all technical session breaks, a Welcome Reception Wednesday evening, and the Ice Cream Social on Thursday afternoon. Thanks to our generous sponsors, you can enter to win several great prizes, including a 65" 4k HDTV!

Sponsors

A special thanks to our sponsors:

Schedule of Events

Wednesday, May 16, 2018	
7:30 AM	Registration opens; Breakfast in the Exhibit Hall
9:00 AM	Opening session begins
11:30 AM	Lunch is served in Banquet Rooms
1:00 PM	First round of breakout sessions begin
2:30 PM	Networking break in the Exhibit Hall
4:30 PM	Breakout sessions close
5:00 PM	Welcome Reception held in the Exhibit Hall

Thursday, May 17, 2018	
7:30 AM	Breakfast available in the Exhibit Hall
8:00 AM	Second round of breakout sessions begin
9:30 AM	Networking break in the Exhibit Hall
10:00 AM	Breakout sessions resume
11:30 AM	Lunch is served in Banquet Rooms
11:45 AM	Lunchtime Plenary session begins
1:00 PM	Third round of breakout sessions begin
2:30 PM	Ice Cream Social held in the Exhibit Hall
4:45 PM	Breakout sessions conclude
7:00 PM	Networking Reception at the Tennessee Aquarium

Friday, May 18, 2018	
7:30 a.m.	Breakfast available; Feedback forms due
8:15 a.m.	Closing session begins
11:00 a.m.	Environmental Show of the South concludes

About TDEC

The Tennessee Department of Environment and Conservation (TDEC) exists to enhance the quality of life for citizens of Tennessee and to be stewards of our natural environment. TDEC is the chief environmental and natural resource regulatory agency in Tennessee and arranges the Environmental Show of the South each year to provide high-quality, low-cost environmental training as well as updates on government/industry developments and trends.

Technical sessions are planned and moderated by TDEC staff, and six TDEC divisions will be presenting updates on recent program developments during the Closing Session. Additionally, technical staff will be on hand at the TDEC Regulatory booth to answer your questions one on one. Be sure to visit them and pick up your complimentary conference tote bag!

Opening Plenary Session

9:00 AM-9:15 AM

Opening Remarks
Patrick J. Flood, PE, Director, TDEC - Division of Solid Waste Management

9:15 AM-9:35 AM

Welcome to the 47th Annual Environmental Show of the South
Shari Meghreblian, PhD, Commissioner, TN Department of Environment & Conservation

9:35 AM-10:20 AM

Keynote Address: EPA Updates
Trey Glenn, Regional Administrator, U.S. Environmental Protection Agency

10:20 AM-10:50 AM

Securing the Next Generation of Environmental Leaders
Dania Rodriguez, Executive Director, ASTSWMO

10:50 AM-11:00 AM

Recycler of the Year Awards
Lincoln Young, Tennessee Recycling Coalition

11:00 AM-11:15 AM

Special Presentation of the Governor's Environmental Stewardship Award, Materials Management Category
Commissioner Meghreblian

11:15 AM-11:30 AM

Morning Announcements
Patrick J. Flood, PE

11:30 AM-1:00 PM

Lunch Served in Banquet Rooms

Keynote Speaker: Trey Glenn

Trey Glenn leads the EPA's environmental protection efforts in the southeastern states, bringing 23 years of environmental and regulatory experience to this role.

Serving the largest EPA region with 63 million people, he champions protection of our ecosystems and natural resources, encourages partnerships with our states and helps EPA achieve its mission.

Previously, Mr. Glenn served as director of the Alabama Department of Environmental Management (ADEM) from 2005-2009. In this position, he was tasked with ensuring a safe, healthy, and productive environment for all Alabama residents. He also served as division director for the Alabama Office of Water Resources from 2001-2005, where he was responsible for leading day-to-day operations on coordination and management of Alabama's water resources. Most recently, he worked as an independent engineer consultant and business owner focused on environmental issues.

Mr. Glenn is a graduate of Auburn University with a bachelor of science degree in civil engineering . He received his MBA from the University of Alabama at Birmingham. Mr. Glenn is also a professional engineer. He is married with four children and they reside in Birmingham, Alabama.

Shari Meghreblian, PhD

Shari Meghreblian joined the Tennessee Department of Environment & Conservation to oversee the environmental regulatory programs for the protection of Tennessee's air, land and water, and was named Commissioner of the department effective just over two weeks ago.

Recognized for her ability to provide strategic insight and analyze processes and procedures to streamline business practices, Dr. Meghreblian has been appointed to several boards and councils supporting three different departments of state government.

Shari has more than 20 years of combined experience in private sector manufacturing and environmental management systems. She joined TDEC from General Motors' plant in Spring Hill, TN, where she served as the environmental operations manager since 2005.

She holds a PhD in Environmental Management and a master's degree in Engineering from Vanderbilt University, and a bachelor of science in Marketing/ Economics from Western Kentucky University.

Dania Rodriguez

Dania Rodriguez is the Executive Director of the Association of State and Territorial Solid Waste Management Officials (ASTSWMO) in Washington, DC. She has 24 years of demonstrated national environmental experience with expertise in the field of technical, financial and policy development and a comprehensive knowledge of State and Territorial programs.

For a number of years, she has served as the liaison between the States and numerous Federal Agencies such as EPA and DOD on important policy issues. As the Executive Director she runs the day-to-day operations of ASTSWMO. This includes managing the Association's Budget, Cooperative Agreements, the ASTSWMO Staff, and providing support to the ASTSWMO Board of Directors.

Prior to her career at ASTSWMO, Dania worked for the American Petroleum Institute (API). Dania received a B.A. in Political Science from Hood College in Frederick, Maryland, and an Executive Certificate in Nonprofit Management from the Georgetown University, McCourt School of Public Policy.

Wednesday PM

1:00 PM-1:10 PM **Financial Management Panel**
Moderator Seth Benge, TDEC, opens the session

1:10 PM-1:35 PM **Profit/Loss Tracking for Small Recyclers**
Is your recycling program surviving or thriving? A simple spreadsheet can help answer that question for you, local officials, and grants.
Doug Giles, Marshall County Solid Waste

1:35 PM-2:00 PM **EPA's Cost-Benefit Analysis Tool**
Marty Seaman, RPS

2:00 PM-2:25 PM **Cost Benefiting County Recycling Programs**
Introduces a record-keeping tool for County Solid Waste Programs to use in tracking recycling costs revenues, and market changes.
Kim Rais, University of Tennessee CTAS

2:25 PM-2:30 PM **Panel Conclusion**

2:30 PM-3:00 PM **Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service**

3:00 PM-3:05 PM **Solid Waste Planning Panel**
Moderator Ashby Barnes, TDEC, opens the discussion

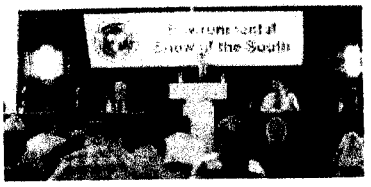
3:05 PM-3:30 PM **Davidson County Long-Term Zero Waste Master Plan**
This presentation will include the process, findings, recommendations and potential next steps from the Metro Nashville Davidson County Zero Waste Master Planning.
Kelly Tipler, Metro Nashville Public Works

3:30 PM-3:55 PM **Using Technology for Waste Diversion & Community Outreach**
With a grant from the Recycling Partnership, the City of Atlanta was able to significantly reduce contamination. Learn how technology helped implement this successful pilot.
Michelle Wiseman, City of Atlanta / Mayor's Office of Resilience

3:55 PM-4:20 PM **Louisville's Solid Waste Study Efforts, Future is Now**
A description of Louisville Metro's journey completing its first full integrated solid waste management study.
Pete Flood, Louisville Metro Department of Public Work

4:20 PM-4:30 PM **Session Close**

5:00 PM-6:30 PM **Welcome Reception hosted by Republic Services in the Exhibit Hall**



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Download on the App Store

Mobile App
Download our mobile app for an interactive view of our program. The app includes extra details like speaker bios and allows you to favorite presentations you might like to attend. Mobile app developed by BDY Environmental with support from Burr & Forman.

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BDY

Wednesday, May 16 — Toxic Substances — Room 11

1:00 PM-1:10 PM **Moderator Brenda Carr, TDEC, opens the session**

1:10 PM-1:35 PM **New TSCA Active/Inactive Chemical Lists: Are Your Chemicals Banned?**

[illegible]

Ethan R. Ward, Vaden [illegible]

1:35 PM-2:00 PM **Lead Poisoning: *All in the Family***

[illegible]

Bonnie Hinds [illegible]

2:00 PM-2:30 PM **The Environmental Injustice of Lead Poisoning in Shelby County**

Shelby County Health Department [illegible]

Elizabeth Shockley, Shelby County Health Department

2:30 PM-3:00 PM **Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service**

3:00 PM-3:25 PM **Generator Must-Knows for Shipping Hazardous Waste**

[illegible] Dunsmore, TDEC [illegible]

3:25 PM-3:55 PM **Comprehensive Housing Inventions: A New Way Forward for Healthy & Efficient Communities**

This presentation will [illegible] the [illegible] in coordinating [illegible] unique [illegible] to [illegible] public [illegible]

Catherine Lee, AICP [illegible] Building Partnerships Initiative

3:55 PM-4:20 PM **Developing Efficient Systems for Mobile Inspection and Permitting**

Robert Lee will bring his experience of developing software systems and talking with inspectors in field positions, to offer encouragement and strategy for Environmental Safety.

Robert E Lee jr, Cadesa

4:20 PM-4:30 PM **Session Close**

5:00 PM-6:30 PM **Welcome Reception hosted by Republic Services in the Exhibit Hall**

Wednesday PM

Wednesday, May 16 — Air Quality — Room 12

1:00 PM-1:10 PM **Moderator Brooke Barrett, TDEC, opens the session**

1:10 PM-1:50 PM **Chattanooga's Air Quality Progress**

Bob Dalby, Chattanooga Health, Education and Housing [illegible]

1:50 PM-2:30 PM **EPA Considerations on Air Quality**

Beverly Banister, EPA Region [illegible]

2:30 PM-3:00 PM **Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service**

3:00 PM-3:40 PM **Air Quality Health Benefits in Tennessee**

The presentation provides an overview of respiratory health [illegible] air quality improvements in Tennessee.

Michelle Oakes, PhD, TDEC [illegible]

3:40 PM-4:20 PM **Tennessee and the Volkswagen Diesel Settlement**

An overview of the VW settlement and information [illegible] the Department, the Department's [illegible] and [illegible] mitigation [illegible]

4:20 PM-4:30 PM **Session Close**

5:00 PM-6:30 PM **Welcome Reception hosted by Republic Services in the Exhibit Hall**

Wednesday, May 16

Emerging Contaminants

Room 13

1:00 PM-1:10 PM **Moderator Jennifer McClellan, TDEC, opens the session**

1:10 PM-1:50 PM **Emerging Contaminants: Poly- & Perfluoroalkyl Substances (PFAS)**
An overview of the history of PFAS use, exposure and toxicity, and regulatory response.
Kevin Long, Ramboll

1:50 PM-2:30 PM **Keeping Receiving Waters Safe: Removing PFCs**
An overview of treatment technologies and examples for removing PFCs from wastewater, stormwater and drinking water.
Janet Egli, PE, Ramboll

2:30 PM-3:00 PM **Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service**

3:00 PM-3:40 PM **North Carolina DEQ Update on PFOS / PFOA / GenX**
An update on the ongoing investigation of PFAS compounds in the environment and private drinking water wells around the Fayetteville, NC, Chemours facility
Julie S. Woosley, NC Department of Environmental Quality

3:40 PM-4:20 PM **Per- and Polyfluoroalkyl Substances (PFAS) in the Environment**
This presentation will give an overview of PFAS in the environment, where we might expect to find them, and a current summary of work being done under various statutes
Aaron Jones, U.S. EPA Region 4

4:20 PM-4:30 PM **Session Close**

5:00 PM-6:30 PM **Welcome Reception hosted by Republic Services in the Exhibit Hall**

Wednesday, May 16

Underground Storage Tanks

Room 14

1:00 PM-1:10 PM **Moderator Cindy Storm, TDEC, opens the session**

1:10 PM-1:30 PM **Division of Underground Storage Tanks Regulatory Changes Update**
Update on the UST regulatory changes that will become effective this Fall to meet ensure that TN is no less stringent than the federal rules.
Rhonda Key, TDEC - Division of Underground Storage Tanks

1:30 PM-2:00 PM **Managing Rebound by Combining Persulfate, Ferrate Generation and Enhanced Bioremediation for Safer, More Effective Remedial Actions**
Will Moody, Provectus Environmental Products

2:00 PM-2:30 PM **Restoration & Reuse of Abandoned Facilities**
The Division of Underground Storage Tanks (UST) initiated the Abandoned Facility Project in 2012 to address petroleum UST facilities that were deemed abandoned
Gaina Skinner, TDEC - Division of Underground Storage Tanks

2:30 PM-3:00 PM **Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service**

3:00 PM-3:40 PM **Groundwater High-Resolution Site Characterization (HRSC)**
An overview defining and explaining the need for, and benefits of, Groundwater High-Resolution Site Characterization (HRSC).
Edward J. Gilbert, CPG, U.S. EPA / Office of Superfund Remediation

3:40 PM-4:20 PM **UST Case Study Using Innovative Technologies**
IAM's Advanced Data Analysis (ADA) solves mystery why two challenging sites have not met remedial goals using existing data and innovative analysis techniques.
William Benni, Improved Analysis through Modeling (IAtM)

4:20 PM-4:30 PM **Session Close**

5:00 PM-6:30 PM **Welcome Reception hosted by Republic Services in the Exhibit Hall**

Solid Waste

1:00 PM-1:10 PM **Moderator Harry McCann, TDEC, opens the session**

1:10 PM-2:00 PM **Landfill Stability Part 2: Visual Indicators and Corrective Measures**

2:00 PM-2:30 PM **Challenges of Early Closure of Landfills**

The discussion involves the operational and design challenges of when a landfill is prematurely reaching final design grades.

Wm. Christopher Murray PE, PLS, PP

2:30 PM-3:00 PM **Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service**

3:00 PM-3:30 PM **Win - Win by Reuse of the Customer's Special Waste**

Steve Raylor

3:30 PM-4:00 PM **Tier 2 Testing for MSW Landfill Emission Guidelines and NSPS**

Matt Lamb

4:00 PM-4:20 PM **DSWM Elevates Quality and Consistency with Training**

Patrick Mulligan, PG

4:20 PM-4:30 PM **Session Close**

5:00 PM-6:30 PM **Welcome Reception hosted by Republic Services in the Exhibit Hall**

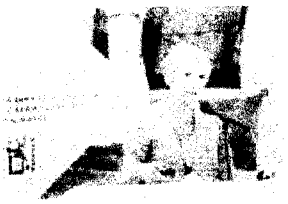
Wednesday, May 16 | **Water** | Room 16-17

Wednesday PM

1:00 PM-1:10 PM	**Moderator Robert G. O'Dette, TDEC, opens the session**
1:10 PM-1:50 PM	**Impacts of Invasive Aquatic Plants on Lake Ecosystems** Learn how invasive aquatic plants are threatening the ecological health and recreational use of lakes throughout the region. Should they be controlled? If so, how? If not, what can we expect? Timothy Joseph, PhD, Watts Bar Ecology and Fishery Council
1:50 PM-2:30 PM	**Navigating the New Jersey and Washington State Stormwater Programs as Models for Approving Manufactured Treatment Devices** The NJ and WA stormwater programs have significant and subtle processes which can serve as models for local agencies to approve proprietary treatment devices. Mark Miller, AquaShield, Inc.
2:30 PM-3:00 PM	**Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service**
	Moderator George C. Garden, TDEC, resumes the session
3:15 PM-3:55 PM	**Evaluation of Municipal Sewerage Systems in Tennessee** The paper provides an overview of the statewide infiltration and inflow (I/I) problem relative to MPDES permit compliance and evaluation methods used for moratoriums. Robert G. O'Dette, TDEC - Division of Water Resources George C. Garden, PE, BCEE, TDEC - Division of Water Resources
3:55 PM-4:35 PM	**Sustainability in Green Landscaping & Tried and True Plant Choices for Bioswales in TN** When green landscaping projects fail, we often point fingers at the plants. We'll discuss other factors that make or break a planting and provide details of plant species that thrive. Jamie L. Becker, Stantec Consulting
4:20 PM-4:30 PM	**Session Close**
5:00 PM-6:30 PM	**Welcome Reception hosted by Republic Services in the Exhibit Hall**

Wednesday, May 16 | **Environmental Law** | Room 18-19

1:00 PM-1:10 PM	**Moderator James C. Wright, Butler, Vines & Babb, opens the session**
1:10 PM-2:30 PM	**Ethics Part I** Discussion of new ethics opinions, Board Resources for Lawyers, and the importance of Attorney wellness. Laura Chastain, board of Professional Responsibility
2:30 PM-3:00 PM	**Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service**
3:00 PM-4:20 PM	**Ethics in Litigation and Appeals** Ethical considerations and professionalism in appellate practice William C. Koch, Jr., Nashville School of Law
4:20 PM-4:30 PM	**Session Close**
5:00 PM-6:30 PM	**Welcome Reception hosted by Republic Services in the Exhibit Hall**



Materials Management

Room 9-10

8:00 AM-8:10 AM **Organics Panel**
Moderator Robert Wadley, TDEC, opens the session

8:10 AM-8:35 AM **Taking On Large Organics Collection Projects**

8:35 AM-9:00 AM **Surplus Food Donations – "An Alternative to Throwing Away Food"**

9:00 AM-9:25 AM **Food Waste Management and Composting on a College Campus**

9:25 AM-9:30 AM **Panel Conclusion**

9:30 AM-10:00 AM **Refreshments in the Exhibit Hall - Sponsored by tarpARMOR**

8:00 AM-8:10 AM **Grants Panel**
Moderator Lynn Tutor, TDEC, opens the discussion

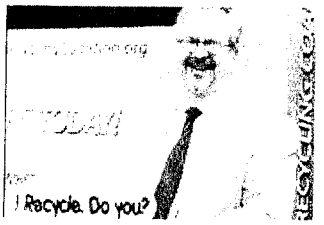
10:05 AM-10:30 AM **Audit Preparedness for Grant Contracts**

10:30 AM-10:55 AM **North Carolina DEQ Recycling and Materials Management Grant Programs**

10:55 AM-11:20 AM **EPA Region 4 Grant Program**

11:20 AM-11:30 AM **Session Close**

11:30 AM-1:00 PM **Networking Break - Lunch Served in Banquet Rooms**



Remediation

8:00 AM-8:10 AM **Moderator Alison Hensley, TDEC, opens the session**

8:10 AM-8:35 AM **Horizontal Wells for Remediation of Chlorinated Solvent Sites**
Horizontal wells installed with directional drilling facilitate remediation of areas difficult to access. Three case studies will be presented discussing horizontal well remediation.
Kyle L. Clarkson, PG, Directional Technologies, Inc.

8:35 AM-9:00 AM **Using EPA Brownfield Grants as a Tool for Community Revitalization**
We will discuss how communities can use EPA Brownfield Grants with a toolbox of other community revitalization tools including State Brownfield Programs for a significant positive impact to foster community revitalization.
Amanda M. Herrit, MS, Terracon Consultants, Inc.
Dallas Whitmill, Terracon Consultants, Inc

9:00 AM-9:30 AM **Choosing the Correct Remediation Tool from the Remediation Toolbox**
This presentation will provide insight into the technical aspects of assessing remedial processes to determine the best alternative for a specific site.
Wade Mause, Innovative Environmental Technologies, Inc.

9:30 AM-10:00 AM **Refreshments in the Exhibit Hall - Sponsored by tarpARMOR**

10:00 AM-10:30 AM **Reasons and Technology for Controlling Excessive Methanogenesis during Remedial Actions**
Case studies and remedial alternatives on how proactive control of Archaea proliferation during ERD/EGR remedial actions can improve efficacy and help control potential negative efforts of excessive methane production.
Jim Mueller, Provectus Environmental Products, Inc.

10:30 AM-10:55 AM **Controlled Release Environmental Reactants - A More Efficient Approach to In Situ Remediation**
These materials can deliver oxidants to the subsurface in the quantity and location necessary to achieve remedial goals without the need for pressurized liquid injections.
Dr. Lindsay Swearingen, Specialty Earth Sciences, LLC

10:55 AM-11:20 AM **Proposed Changes to Rules for Decontamination of Meth Labs**
Major changes to the existing meth lab cleanup rules are being proposed, along with more comprehensive guidance on sampling, investigation, and decontamination.
Chris Andel, PG, TDEC - Division of Remediation

11:20 AM-11:30 AM **Session Close**

11:30 AM-1:00 PM **Networking Break - Lunch Served in Banquet Rooms**

Thursday, May 17 — Air Quality — Room 12

8:40 AM-8:50 AM	**Moderator Amelia Poe, TDEC, opens the session**
8:50 AM-9:30 AM	**Air Quality Permit Fees**
9:30 AM-10:00 AM	**Refreshments in the Exhibit Hall - Sponsored by tarpARMOR**
10:00 AM-10:40 AM	**EPA Air Quality Update**
10:40 AM-11:20 AM	**Tennessee Air Quality Update**
11:20 AM-11:30 AM	**Session Close**
11:30 AM-1:00 PM	**Networking Break - Lunch Served in Banquet Rooms**

Thursday, May 17 — Hazardous Waste — Room 13

8:00 AM-8:10 AM	**Moderator Benjamin Almassi, TDEC, opens the session**
8:10 AM-8:50 AM	**The Complications of Amending the Definition of Solid Waste**
8:50 AM-9:30 AM	**Federal and State Hazardous Waste, Universal Waste and Used Oil Regulation & Policy Update**
9:30 AM-10:00 AM	**Refreshments in the Exhibit Hall - Sponsored by tarpARMOR**
10:00 AM-10:40 AM	**Understanding EPA's Generator Improvements Rule**
10:40 AM-11:20 AM	**DSWM Elevates Quality and Consistency with Training**
11:20 AM-11:30 AM	**Session Close**
11:30 AM-1:00 PM	**Networking Break - Lunch Served in Banquet Rooms**

Thursday AM

Thursday, May 17 | **Solid Waste** | Room 15

8:00 AM-8:10 AM **Moderator Patrick Mulligan, TDEC, opens the session**

8:10 AM-9:00 AM **Landfill Fires - Cause, Prevention, and Mitigation**
Landfill fires present significant environmental problems and impact landfill operations. This presentation will focus on the cause, prevention, and mitigation of these events.
Robert L. Raches, PhD, PE, DGE, Geosyntec Consultants

9:00 AM-9:30 AM **Landfill Leachate Collection Systems - a Review of the Basics**
This presentation provides a review of the basics associated with landfill leachate collection and removal systems. Topics include design, layout, operation, and maintenance.
Andrew J. Quarto, PE, CPESC, EIL (Environmental Information Logistics)
Chirag Nanavati, EIL (Environmental Information Logistics)

9:30 AM-10:00 AM **Refreshments in the Exhibit Hall - Sponsored by tarpARMOR**

10:00 AM-10:15 AM **Landfill Leachate Collection Systems Continued**

10:15 AM-11:00 AM **Odor Control at Class I Landfills**
Jeffrey Michael Fantell, PE, Joyce Engineering, Inc., a Cardella Company
Jason Repsher, TDEC - Division of Solid Waste Management

11:00 AM-11:20 AM **Solid Waste Regulatory Updates**
Brief update of TN regulatory changes affecting landfills, processors, and other solid waste permit holders as well as changes to recyclers
Nickolaus Brent Lytle, TDEC - Division of Solid Waste Management

11:20 AM-11:30 AM **Session Close**

11:30 AM-1:00 PM **Networking Break - Lunch Served in Banquet Rooms**

Thursday AM

Exhibit Hall Features and Prizes

Exhibitors!
With over 160 different organizations represented in the Exhibit Hall this year, you could spend hours just trying to see all the booths! Fortunately, we've scheduled plenty of time outside of the technical sessions for you to try to meet every exhibitor on site.

Welcome Reception – Wednesday Evening
Join us for a networking reception in the Exhibit Hall, Wednesday, May 16, hosted by Republic Services, Inc. and starting at 5:00 PM. We'll have appetizers and drinks and get to know one another.

REPUBLIC SERVICES

Networking Breaks
All that technical training can be intense! Stretch your legs and your arms by walking over to the Exhibit Hall for coffee and snacks with a side of handshaking. Our Wednesday afternoon break is sponsored by Jim's Tank Service and our Thursday morning break is sponsored by tarpARMOR and Southwestern Sales.

tarpARMOR

Ice Cream Social – Thursday Afternoon
Your last chance to see the Exhibit Hall, the Ice Cream Social takes place during the Thursday afternoon networking break from 2:30 to 3:15 PM and features prize drawings and giveaways (plus sundaes)!
You must be present to win!
Hospitality sponsored by HEPACO.

HEPACO
Serious experience for serious times

HDTV Giveaway –
How can you be sure you've seen all the exhibitors? Take your Exhibit Hall map with you and get it stamped at each booth you visit. Visit them all for a chance to win a 65" 4k HDTV! The completed map is your entry form. Just drop it in the box at the Exhibit Hall break area by 2:20 PM on Thursday afternoon. The TV giveaway is sponsored by Weaver Consultants Group.

Weaver Consultants Group

Scavenger Hunt –
Can you spot all 25 shapes hidden in the exhibitor displays? If you can, you will be entered to win an Amazon Echo Show sponsored by NorthStar Contracting Group! Completed entry forms must be dropped in the break area of the Exhibit Hall by 2:20 PM on Thursday.

NorthStar

Exhibitor Superlatives!
New this year, we're looking for your vote on which exhibitor has the most fun display and who has the most educational or informative booth. Your ballot form will enter both you and the exhibitor of your choice to win one of four $150 gift cards! Thanks to our prize sponsors AmCon Environmental, Pointmap CAD & GIS Services, SWS Environmental Services, and Titan Environmental USA. Ballots are due in by the end of lunch on Thursday - 1 PM.

AmCon ENVIRONMENTAL | SWS | TITAN

Water

8:00 AM-8:10 AM **Moderator George C. Garden, TDEC, opens the session**

8:10 AM-8:50 AM **Fifty Year Plume Response to Successive Remedial Measures Employed with an Evolving Site Conceptual Model**

8:50 AM-9:10 AM **Potable Water Loss in Tennessee**

9:10 AM-9:30 AM **PAA for Wastewater Disinfection: What is Required in TN?**

9:30 AM-10:00 AM **Refreshments in the Exhibit Hall - Sponsored by tarpARMOR**

Moderator Ariel Wessel-Fuss, TDEC, resumes the session

10:00 AM-10:40 AM **UAS-Based LiDAR Technology to Support Water Quality and Environmental Site Management**

10:40 AM-11:20 AM **Bowling Green, KY - An Example of the Challenges of Developing on Karst**

11:20 AM-11:30 AM **Session Close**

11:30 AM-1:00 PM **Networking Break - Lunch Served in Banquet Rooms**

and More Thanks

Attendee Feedback Prize –
We want to hear from you! Give us your feedback and be entered to win one of two $150 gift cards! Forms may be turned in at the Exhibit Hall break area or to On-Site Registration. The winner will be drawn during the Closing Session and you must be present to win. Prizes sponsored by Enterprise Oil and Lighting Resources.

Exhibitor Feedback Prize –
We want to hear from Exhibitors too! Exhibitors who complete and return their feedback forms by 2:20 PM on Thursday will be entered to win a free standard booth for next year's event, May 15-17, 2019!

While we're thanking people...Our thanks to Environmental Specialties International (ESI) for our eco-friendly conference lanyards once again this year. These are made of 45% recycled material!

Thanks as well to TDEC's Office of Sustainable Practices for providing our conference tote bags, a 100% recycled and Made in the USA product. Be sure to stop by the TDEC Regulatory booth to pick up yours!

(The conference padfolios are also Made in the USA and their covers are made of 80% post-consumer material.)

We also want to thank Wright Brothers Contracting for providing food for the hungry pub crawlers on Tuesday night.

Finally, thanks as well to Burr & Forman for sponsoring our mobile app and to BDY Environmental for developing it.

Thursday, May 17

Environmental Law

Room 18-19

Thursday AM

8:00 AM-8:10 AM **Moderator Joseph Sanders, TDEC, opens the session**

8:10 AM-8:50 AM **OSHA Safety & Health Critical New Regulatory and Legislative Developments, Updates and Hot Topics**
Michael C. Mallen, Miller & Martin PLLC

8:50 AM-9:30 AM **The Ole Pay and Chase ... How UST Has Reduced Their Risk**
This presentation will demonstrate actual case studies that has lead to the recovery of reimbursement funds improperly paid to contractors providing work for UST.
Melissa Weir, TDEC - Division of Underground Storage Tanks

9:30 AM-10:00 AM **Refreshments in the Exhibit Hall - Sponsored by tarpARMOR**

10:00 AM-10:35 AM **The Complications of Amending the Definition of Solid Waste**
AFL-CIO, EPA (D.C. Cir. 2017 and 2018) rulings impact on Underground Storage Tanks and Solid Waste Disposal Control Board rule amendments and rulemaking process.
Leslie Wayne Gregory, TDEC - Office of General Counsel

10:35 AM-11:20 AM **Navigating the Local Approval Process for Permitting of Solid Waste Landfills**
Discussion of the Solid Waste permitting process as it relates to the application of the "Jackson Law" and local approval provisions for landfills and processing facilities, Permit by Rule, etc.
William C. Penny, Hunt & Berman, LLP
E. Joseph Sanders, TDEC - Office of General Counsel

11:20 AM-11:30 AM **Session Close**

11:30 AM-1:00 PM **Networking Break - Lunch Served in Banquet Rooms**

Professional Development

SWANA Members can earn up to 12 Continuing Education Units (CEUs) for relevant technical sessions. CEU forms will be available at the TN SWANA Booth and in the sessions.

Professional Engineers can earn Professional Development Hours (PDHs) at the conference. Keep a record of your attendance, including a marked copy of the agenda indicating items attended, your receipt, and badge.

Attorneys can earn Continuing Legal Education (CLE) credits through the Tennessee Bar Association. Attorneys who wish to receive CLE credit must complete a form in the Environmental Law Sessions documenting session attendance and pay an additional $150 fee along with conference registration.

Certified Hazardous Materials Managers/ Practitioners can earn up to five Certification Maintenance Points (CMPs) per day. CHHMs and CHMPs are responsible for their own recordkeeping and must keep their badges and agendas.

Certificates of Attendance can be purchased by any attendee for $10. Certificates can be picked up on May 19 prior to the conclusion of the conference.

Certified Landfill Operators can earn up to nine hours of continuing education during the conference. One credit hour is earned for each hour spent in the Solid Waste sessions. Half credit may also be earned in by attending certain presentations in other tracks on Thursday afternoon:

Air Quality (Rm 12):
Updates on NSPS XXX/Cf Implementation and Compliance (1:00 - 2:30 PM)

Coal Combustion Residuals (CCR - Rm 14):
All presentations qualify (1:00 - 4:45 PM)

Water (Rm 16-17):
Water/Air Quality Requirements and Updates for Landfills (1:00 - 1:50 PM)
Multi-Site Performance Review of Liquid Activated Carbon for Groundwater Treatment (3:55 - 4:45 PM)

Forms will be available in the qualifying sessions to those desiring the credit. There is no additional charge for this.

Lunchtime Plenary

11:30 AM-11:45 AM **Attendees get their lunches and get settled**

11:45 AM-12:45 PM **TDEC Bureau of Environment Programs**

An opportunity to hear from the TDEC Bureau of Environment divisions regarding the year's highlights and upcoming plans for each program.

TDEC - Division of Air Pollution Control

TDEC - Division of Radiological Health

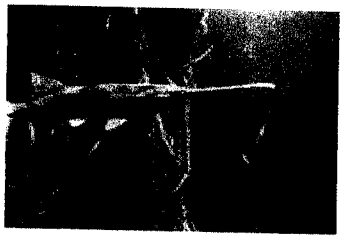
TDEC - Division of Remediation

TDEC - Division of Solid Waste Management

TDEC - Division of Underground Storage Tanks

TDEC - Division of Water Resources

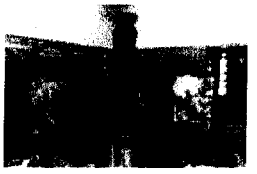
12:45 PM-1:00 PM **Attendees finish their meals and prepare for the next breakout**

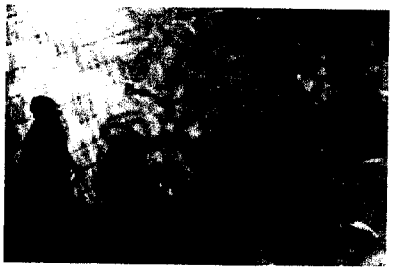


Aquarium Reception

Attendees, exhibitors, and booth workers alike are invited to join us at the Tennessee Aquarium Thursday evening, thanks to the Recycle Used Oil Program! We'll have the run of both aquarium buildings and the outside at the Pavilion, where our Conference Program cover photo was shot during the sunset last year! Our private reception starts at 7:00 PM under the Pavilion outdoors, with light hors d'oeuvres and access to a cash bar. Then, grab a drink and make your way inside the aquarium where we can mix and mingle among the aquatic life until 9 pm. TDEC's Used Oil Program is sponsoring this event to give us a firsthand view of why it's so important to recycle our used oil: so it doesn't contaminate our waterways and hurt these amazing animals!

The Tennessee Aquarium is located at 201 Market Street on the Riverwalk. That's an easy 20 minute stroll from the Convention Center if you'd like some fresh air, or hop on Downtown Chattanooga's free electric shuttle to get there even faster. Catch the shuttle outside the Marriott Hotel just next door to the Convention Center.





Breakouts At A Glance

Wednesday, May 17 Afternoon Session			
Room 9-10	Room 11	Room 12	Room 13
Materials Management	Toxic Substances	Air Quality	Emerging Contaminants
Session opening Financial Management Panel	Session opening	Session opening	Session opening
Profit/Loss Tracking for Small Recyclers	New TSCA Active/Inactive Chemical Lists: Are Your Chemicals Banned?	Chattanooga's Air Quality Progress	Emerging Contaminants: Poly- & Perfluoroalkyl Substances (PFAS)
EPA Cost Benefit Analysis Tool	Lead Poisoning: *All in the Family*		
		EPA Considerations on Air Quality	Keeping Receiving Waters Safe: Removing PFCs
Cost Benefiting County Recycling Programs	The Environmental Injustice of Lead Poisoning in Shelby County		
Financial Management ends			
Refreshments served in the Exhibit Hall - Sponsored by Jim's Tank Service			
Solid Waste Planning Panel	Generator Must-Knows for Shipping Hazardous Waste	Air Quality Health Benefits in Tennessee	North Carolina DEQ Update on PFOS / PFOA / GenX
Davidson County Long-Term Zero Waste Master Plan			
Using Technology for Waste Diversion & Community Outreach	Comprehensive Housing Interventions: A New Way Forward for Healthy & Efficient Communities	Tennessee and the Volkswagen Diesel Settlement	Per- and Polyfluoroalkyl Substances (PFAS) in the Environment
Louisville's Solid Waste Study Efforts, Future is Now	Developing Efficient Systems for Mobile Inspection and Permitting		
Session close	Session close	Session close	Session close
Welcome Reception held in the exhibit hall 5:00 to 6:30 pm - Sponsored by Republic Services			

Thursday, May 18, 2017 Morning Session			
Room 9-10	Room 11	Room 12	Room 13
Materials Management	Remediation	Air Quality	Hazardous Waste
Exhibit Hall open; Breakfast served in the Exhibit Hall			
Session opening Oraganics Panel	Session opening		Session opening
Taking On Large Organics Collection Projects	Horizontal Wells for Remediation of Chlorinated Solvent Sites		The Complications of Amending the Definition of Solid Waste
Surplus Food Donations – "An Alternative to Throwing Away Food"	Using EPA Brownfield Grants as a Tool for Community Revitalization	Session opening	
		Air Quality Permit Fees	Federal and State Hazardous Waste, Universal Waste and Used Oil Regulation & Policy Update
Food Waste Management and Composting on a College Campus	Choosing the Correct Remediation Tool from the Remediation Toolbox		
Organics ends			
Refreshments served in the Exhibit Hall - Sponsored by tarpARMOR & Southwestern Sales			

Breakouts At A Glance

Wednesday, May 17 Afternoon Session

Room 14	Room 15	Room 16-17	Room 18-19
Underground Storage Tanks	**Solid Waste**	**Water**	**Environmental Law**
Session opening	Session opening	Session opening	Session opening
Division of Underground Storage Tanks Regulatory Changes Update	Landfill Stability Part 2: Visual Indicators and Corrective Measures	Impacts of Invasive Aquatic Plants on Lake Ecosystems	Ethics Part I
Managing Rebound by Combining Persulfate, In Situ Ferrate Generation and Enhanced Bioremediation for Safer, More Effective Remedial		Navigating the New Jersey and Washington State Stormwater Programs as Models for Approving Manufactured Treatment Devices	
Restoration & Reuse of Abandoned Facilities with Underground Storage Tanks	Challenges of Early Closure of Landfills		
Refreshments served in the Exhibit Hall - Sponsored by Jim's Tank Service			
Groundwater High-Resolution Site Characterization (HRSC)	Win - Win by Reuse of the Customer's Special Waste	Evaluation of Municipal Sewerage Systems in Tennessee	Ethics Part II: Ethics in Litigation and Appeals
UST Case Study Using Innovative Technologies	Tier 2 Testing for MSW Landfill Emission Guidelines and NSPS	Sustainability in Green Landscaping & Tried and True Plant Choices for Bioswales in TN	
	DSWM Elevates Quality and Consistency with Training		
Session close	Session close	Session close	Session close
Welcome Reception held in the exhibit hall 5:00 to 6:30 pm - Sponsored by Republic Services			

Thursday, May 18, 2017 Morning Session

Room 14	Room 15	Room 16-17	Room 18-19
	Solid Waste	**Water**	**Environmental Law**
Exhibit Hall open; Breakfast served in the Exhibit Hall			
	Session opening	Session opening	Session opening
	Landfill Fires - Cause, Prevention, and Mitigation	Fifty Year Plume Response to Successive Remedial Measures Employed with an Evolving Site Conceptual Model	OSHA Safety & Health Critical New Regulatory and Legislative Developments, Updates and Hot Topics
		Potable Water Loss in Tennessee	The Ole Pay and Chase – How UST Has Reduced Their Risk
	Landfill Leachate Collection Systems - a Review of the Basics: Design, Layout, Construction, Operation, and Maintenance	PAA for Wastewater Disinfection	
Refreshments served in the Exhibit Hall - Sponsored by tarpARMOR & Southwestern Sales			

Breakouts At A Glance

Thursday, May 18, 2017 Morning Session Continued

Room 9-10	Room 11	Room 12	Room 13
Materials Management	**Remediation**	**Air Quality**	**Hazardous Waste**
Grants Panel Audit Preparedness for Grant Contracts	Reasons and Technology for Controlling Excessive Methanogenesis during Remedial Actions	U.S. EPA Air Quality Update	Understanding EPA's Generator Improvements Rule
North Carolina DEQ Recycling and Materials Management Grant Programs	Controlled Release Environmental Reactants - A More Efficient Approach to In Situ Remediation	Tennessee Air Quality Update	DSWM Elevates Quality and Consistency with Training
EPA Region 4 Grant Program	Proposed Changes to Rules for Decontamination of Meth Labs		
Session close	Session close	Session close	Session close

Lunch served in Banquet Rooms 11:30 to 1 pm

Thursday, May 18, 2017 Afternoon Session

Room 9-10	Room 11	Room 12	Room 13
Materials Management	**Vapor Intrusion**	**Air Quality**	**DOT Hazardous Waste Refresher**
Session opening Rethinking C&D Panel	Session opening	Session opening	Session opening
Construction & Demolition Recycling in the US: Current State of Practice	Locating and Assessing the Age of VOC Sources Beneath Large Buildings	Updates on NSPS XXX/Cf Implementation and Compliance	DOT Hazardous Materials Refresher & Update
The Baltimore Wood Project: Finding Wealth in the Waste Stream	Pilot Testing: The Key To Vapor Intrusion Mitigation Success		
	Vapor Intrusion Mitigation - Engineering Controls for Indoor Air Protection of Large Commercial Structures		

Ice Cream Social held in the Exhibit Hall 2:30 to 3:15 pm - Sponsored by HEPACO

Household Hazardous Waste and Ethanol and Sugar Recycling	Natural Source Zone Depletion	Permits by Rule and General Permits	DOT Hazardous Materials Refresher & Update Continued
Temporary HHW Containers, Convenience to the Citizens	Vapor Intrusion Mitigation Technologies & Trends for Brownfield Redevelopment	EPA Memorandums from Scott Pruitt	
Charge Up Safety: Addressing Lithium Battery Management			
Session close	Session close	Session close	Session close

Free time

Networking Reception to be Held at the Tennessee Aquarium - Sponsored by the TN Used Oil Recycling Program

Breakouts At A Glance

Thursday, May 18, 2017 Morning Session Continued

Room 14	Room 15	Room 16-17	Room 18-19
	Solid Waste	**Water**	**Environmental Law**
	Landfill Leachate Continued	UAS-Based LiDAR Technology to Support Water Quality and Environmental Site Management	The Complications of Amending the Definition of Solid Waste
	Odor Control at Class I Landfills	Bowling Green, Kentucky - An Example of the Challenges of Developing on Karst	Navigating the Local Approval Process for Permitting of Solid Waste Landfills
	Solid Waste Regulatory Updates		
	Session close	Session close	Session close

Lunch served in Banquet Rooms 11:30 to 1 pm

Thursday, May 18, 2017 Afternoon Session

Room 14	Room 15	Room 16-17	Room 18-19
Coal Combustion Residuals	**SWANA**	**Water**	**Environmental Law**
Session opening	Session opening	Session opening	Session opening
Beneficial Use of Coal Combustion Residuals for Closure of Coal Ash	Going Green and Saving Green: The Environmental and Financial Benefits of Exposed Geosynthetics	Water/Air Quality Requirements and Update for Landfills	Tweets in the Air 2
Beyond Cap-in-Place: CCR On-Site Clean Closure Using Macroencapsulation			
Lessons Learned with Closure by Removal Projects	Land Application Requirements for Residual with Pathogens and Vectors	How To Get Your Wastewater Plan Approved Faster!	
Group Discussion			

Ice Cream Social held in the Exhibit Hall 2:30 to 3:15 pm - Sponsored by HEPACO

Innovative Hydraulic Matrices: Expanded BMP's Using Standard Equipment	Electrical Leak Detection for Landfill Liner Geomembranes - A Case Study	Technical and Cost Comparisons of Candidate Final Cover Systems for CCR Unit Closures	Chattanooga Brownfields: The Encore Mystery Tour
Remedial Technologies to Address CCR Constituents in Groundwater			
Investigating CCR Impacts: An Overview of the EIP Process in Tennessee	Case Study on Use of Passive Soil Gas Sampling Devices to Delineate VOC and TPH Groundwater Impacts	Multi-Site Performance Review of Liquid Activated Carbon for Groundwater Treatment	
Group Discussion			
Session close	Session close	Session close	

Free time

Networking Reception to be Held at the Tennessee Aquarium - Sponsored by the TN Used Oil Recycling Program

1:00 PM-1:10 PM
Rethinking C&D Panel
Moderator Bob Fletcher, TDEC, opens the session

1:10 PM-1:50 PM
Construction and Demolition Recycling in the US: Current State of Practice
The current state of C+D debris recycling in the US will be discussed. Benefits, opportunities and challenges will be highlighted.
Charles G. Townsend, University of Florida

1:50 PM-2:30 PM
The Baltimore Wood Project: Finding Wealth in the Waste Stream
Vacant and blighted housing units plague many cities. In Baltimore The USFS and Humanim are working with the City to remove blight, create jobs, and restore the land.
Morgan Grove
Jeffrey L. Carroll, MBA LEED AP, Humanim

2:25 PM-2:30 PM
Panel Conclusion

2:30 PM-3:15 PM
Ice Cream Social in the Exhibit Hall - Sponsored by HEPACO

3:15 PM-3:20 PM
Household Hazardous Waste/BOPAE Panel
Moderator David Sutton, TDEC, opens the discussion

3:20 PM-3:45 PM
Ethanol and Sugar Recycling
Review of Dynamic Recycling's new Bristol TN facility that focuses on recycling of ethanol and sugar based wastes.
Brian W. Potter, Dynamic Recycling LLC.

3:45 PM-4:10 PM
Temporary HHW Containers, Convenience to the Citizens
Temporary HHW containers (THHWC) are options for counties and municipalities to have a year round location. The concept meets objectives 1 and 7 of the 2025 plan.
Rob Fletcher, TDEC - Division of Solid Waste Management

4:10 PM-4:35 PM
Charge Up Safety: Addressing Lithium Battery Management
Call2Recycle will provide insight on why lithium based batteries are causing safety and fire issues, and ways to address their proper management and recycling.
Timothy Warren, Call2Recycle Inc.

4:35 PM-4:45 PM
Session Close

7:00 PM-9:00 PM
Networking Reception at the Tennessee Aquarium

Thursday PM

Thursday, May 17 — Vapor Intrusion — Room 11

1:00 PM-1:10 PM	**Moderator Charles Jobe, TDEC, opens the session**
1:10 PM-1:35 PM	**Locating and Assessing the Age of VOC Sources Beneath Large Buildings** [illegible] Craig A. Cox, CPG [illegible]
1:35 PM-2:00 PM	**Pilot Testing: The Key to Vapor Intrusion Mitigation Success** Soil Vapor Mitigation [illegible] Tony McDonald [illegible]
2:00 PM-2:30 PM	**Vapor Intrusion Mitigation - Engineering Controls for Indoor Air Protection of Large Commercial Structures** [illegible] Dr. Lindsay Swearingen [illegible]
2:30 PM-3:15 PM	**Ice Cream Social in the Exhibit Hall - Sponsored by HEPACO**
3:15 PM-3:55 PM	**Natural Source Zone Depletion** I will be discussing the different methods of measuring NSZD, the key NSZD elements of the [illegible] and where NSZD fits into your CSM when making site decision. Justin Micah Meredith, [illegible]
3:55 PM-4:35 PM	**Vapor Intrusion Mitigation Technologies & Trends for Brownfield Redevelopment** [illegible] Jordan Kleine, MPA [illegible]
4:35 PM-4:45 PM	**Session Close**
7:00 PM-9:00 PM	**Networking Reception at the Tennessee Aquarium**

Thursday, May 17 — Air Quality — Room 12

1:00 PM-1:10 PM	**Moderator Amy Katcher, TDEC, opens the session**
1:10 PM-2:30 PM	**Updates on NSPS XXX/Cf Implementation and Compliance** Julie Hall, Cornerstone Environmental Group
2:30 PM-3:15 PM	**Ice Cream Social in the Exhibit Hall - Sponsored by HEPACO**
3:15 PM-3:55 PM	**Permits by Rule and General Permits** Discussion of Permits-by-Rule and General Permitting, new permitting [illegible] groups. How do they work, what advantages they have, and who can use them. Donovan Grimwood, [illegible]
3:55 PM-4:35 PM	**EPA Memorandums from Scott Pruitt** Discussion of recent memorandums from EPA that clarify [illegible] permit holders. Lem Stevens, Stevens Environmental Consulting
4:35 PM-4:45 PM	**Session Close**
7:00 PM-9:00 PM	**Networking Reception at the Tennessee Aquarium**

Thursday, May 17 — DOT Hazardous Materials Refresher & Update — Room 13

1:00 PM-1:10 PM	**Moderator Robert Nakamoto, PE, CHMM, TDEC, opens the session**
1:10 PM-2:30 PM	**DOT Hazardous Materials Refresher & Update** This session covers recent developments, special topics, and useful tips in hazmat transportation. A test will be provided per 49 CFR 172.702(d). Linda Lawhorn, CHMM, CDGP, Strata-G Staffing Services
2:30 PM-3:15 PM	**Ice Cream Social in the Exhibit Hall - Sponsored by HEPACO**
3:15 PM-4:35 PM	**DOT Hazardous Materials Refresher & Update Continued**
4:35 PM-4:45 PM	**Session Close**
7:00 PM-9:00 PM	**Networking Reception at the Tennessee Aquarium**

Thursday, May 17 — Coal Combustion Residuals — Room 14

1:00 PM-1:10 PM	**Moderator Rob Burnette, TDEC, opens the session**
1:10 PM-1:30 PM	**Beneficial Use of Coal Combustion Residuals for Closure of Coal Ash Impoundments** Federal and certain State regulations allow the use of coal combustion residuals (CCR) for beneficial uses. This presentation provides a case study of a CCR impoundment closure that used CCR to increase final grades as part of the closure. Rick J. Buffalini, PE, Civil & Environmental Consultants, Inc.
1:30 PM-1:50 PM	**Beyond Cap-in-Place: On-Site Clean Closure using Macroencapsulation** Economical/environmental CCR beneficial use system offers clean closure of CCR impoundments. EnCAP-IT's safeBERM® technology converts wet basins to dry, lined storage. John P. Swenson, EnCAP-IT Jeffrey Crate, Waste Resource Services, LLC
1:50 PM-2:10 PM	**Lessons Learned with Closure by Removal Projects** Review of lessons learned during closure by removal projects. We will explore the operational and efficiency challenges encountered and methods for mitigation. Kathryn Nash, Waste Management
2:10 PM-2:30 PM	**Group Discussion**
2:30 PM-3:15 PM	**Ice Cream Social in the Exhibit Hall - Sponsored by HEPACO**
3:15 PM-3:35 PM	**Innovative Hydraulic Matrices: Expanded BMP's Using Standard Equipment** Learn how hydraulically applied tools are being used in the erosion control and vegetative rehabilitation spaces. Troy Duxbury, LSC Environmental Products, LLC
3:35 PM-3:55 PM	**Remedial Technologies to Address CCR Constituents in Groundwater** Brief discussion of concepts of hydrogeology and geochemistry as they apply to evaluating and selecting remedial technologies for CCR Rule Appendix IV constituents in groundwater and summary of experience with in-situ and ex-situ technologies for groundwater remedies. Richard W. Arnseth, PhD, PG, PMP, Tetra Tech, Inc.
3:55 PM-4:15 PM	**Investigating CCR Impacts: An Overview of the EIP Process in TN** Overview of the EIP development process, a review of core elements of the EIP, and an update on the current status of site investigations at each TVA CCR Facility in TN. Robert Wilkinson, PG, CHMM, TDEC Bureau of Environment
4:15 PM-4:35 PM	**Group Discussion**
4:35 PM-4:45 PM	**Session Close**
7:00 PM-9:00 PM	**Networking Reception at the Tennessee Aquarium**

Thursday PM

1:00 PM-1:10 PM **Moderator Mary Anderson, SWANA, opens the session**

Going Green and Saving Green: The Environmental and Financial Benefits of Exposed Geosynthetics

Land Application Requirements for Residuals with Pathogens and Vectors

2:30 PM-3:15 PM **Ice Cream Social in the Exhibit Hall - Sponsored by HEPACO**

Electrical Leak Detection for Landfill Liner Geomembranes

Case Study on Use of Passive Soil Gas Sampling Devices to Delineate VOC and TPH Groundwater Impacts

Michael Hirt, PG,

Andrew J. Querio, PE, CPESC,

4:35 PM-4:45 PM **Session Close**

7:00 PM-9:00 PM **Networking Reception at the Tennessee Aquarium**

Eco-Friendly Advancements

Conferences are not known for being the most environmentally-friendly activities, and neither is golfing, but the State of Tennessee is making great strides to change that!

The Harrison Bay State Park which hosted our Show of the South Golf Tournament on Tuesday, May 15, is known for more than just their Eagle Cam (harrisonbayeaglecam.org); their signature Jack Nicklaus designed Bear Trace golf course has a reputation for being even greener than the color of their fairways! They are certified with the Audubon Cooperative Sanctuary Program for Golf and the Golf Environment Organization (GEO), as well as being a Groundwater Guardian Green Site.

TENNESSEE State Parks

Harrison Bay is located on 40 miles of the Chickamauga Lake shoreline, and the careful management of this golf course has a direct correlation with its amazing wildlife's ability to thrive.

TDEC would like to make the Show of the South just as green as the golf course! Our 2025 Solid Waste Management Plan encourages the reuse, composting, and beneficial use of organics and sets a goal for expanding education and outreach concerning waste reduction, recycling, and composting programs to the public. What better place to see these goals in action!

We've made sure to source eco-friendly swag, and our tote bags, lanyards, and padfolios are all made with recycled materials. But one of the biggest challenges for an event like this is the amount of trash generated! They say the average conference attendee generates about 61 pounds of waste per day, compared to an 13.5 pounds produced by the same person at home.

We've hired Atlas Organics to collect and compost our food waste! All of our leftover or scrap food (except raw meat) will be collected and composted, as well as things like napkins, wood coffee stirrers and compostable cocktail straws!

Thursday, May 17 — Water — Room 16-17

1:00 PM-1:10 PM **Moderator Angela Jones, TDEC, opens the session**

1:10 PM-1:50 PM **Water/Air Quality Requirements and Update for Landfills**
An overview of landfill air quality and stormwater compliance regulations, and the latest updates to the NSPS CF and XXX subparts
Josh Noar, PE, Trinity Consultants
Lisa Lee, Trinity Consultants

1:50 PM-2:30 PM **How To Get Your Wastewater Plan Approved Faster!**
The major delay in approving wastewater treatment construction documents of the permitting process. By involving TDEC-DWR early, delays can be eliminated.
George C. Garden, PE, BCEE, TDEC - Division of Water Resources

2:30 PM-3:15 PM **Ice Cream Social in the Exhibit Hall - Sponsored by HEPACO**

Moderator George C. Garden, TDEC, resumes the session

3:15 PM-3:55 PM **Technical and Cost Comparisons of Candidate Final Cover Systems for CCR Unit Closures**
This presentation will discuss benefits and challenges, design considerations, technical performance, and construction and post-closure maintenance costs of candidate final cover systems that are applicable to closure of a CCR unit.
Ming Zhu, PhD, PE, Watershed Geosynthetics

3:55 PM-4:35 PM **Multi-Site Performance Review of Colloidal Carbon for GW Treatment**
This presentation will examine evidence from the field related to practical application of the technology, subsurface distribution, and short and long term performance.
Chad Norrington, PE, Regenesis

4:35 PM-4:45 PM **Session Close**

7:00 PM-9:00 PM **Networking Reception at the Tennessee Aquarium**

Thursday PM

Thursday, May 17 — Environmental Law — Room 18-19

1:00 PM-1:10 PM **Moderator Karen Simo, TDEC, opens the session**

1:10 PM-2:30 PM **Tweets in the Air 2**
A presentation to update topics from last year's program covering changes from the Trump/Pruitt EPA under the Clean Air Act to the Clean Power Plan and more
Steven R. Stout, TDEC - Office of General Counsel
Khurshid K. Mehta, TVA

2:30 PM-3:15 PM **Ice Cream Social in the Exhibit Hall - Sponsored by HEPACO**

3:15 PM-4:35 PM **Chattanooga Brownfields: The Encore Mystery Tour**
Pair up for classroom discussion of the legalities of the Brownfield process and (if approved) an encore mobile mystery tour of some nearby brownfield sites that have contributed to the Chattanooga renaissance
David C. Higney, Grant Konvalinka + Harrison, PC
Troy Keith, PG, TDEC - Division of Remediation
Evan Spann, TDEC - Division of Remediation
Karen Stevenson Simo, TDEC - Office of General Counsel
Michael C. Mallen, Miller & Martin PLLC

4:35 PM-4:45 PM **Session Close**

7:00 PM-9:00 PM **Networking Reception at the Tennessee Aquarium**

Closing Plenary Session

Feedback Drawings

We want to hear from everyone—attendees, exhibitors, speakers, moderators, booth workers—what did you think about the Show?

Turn in your Feedback Survey at On-Site Registration, the Exhibit Hall Break Area, or the collection box in the Closing Session.

To thank you for helping us continue to improve, your feedback survey will also act as your entry into a prize drawing! The Exhibitor Drawing will be part of the Ice Cream Social, and the Attendee Drawing will take place during the closing session on Friday. You must be present to win!

7:30 AM-8:15 AM
Breakfast available in Meeting Room

8:15 AM-8:20 AM
Good Morning!
Patrick J. Flood, PE, Director,
TDEC - Division of Solid Waste Management

8:20 AM-8:50 AM
Legislative Update
A review of legislative initiatives considered during the first session of the 111th Tennessee General Assembly that addressed environmental, conservation, and energy policy issues.
Alexa Witcher, TDEC - Office of General Counsel
Mallorie Kerby TDEC - Office of General Counsel

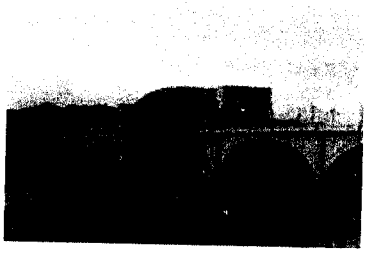
8:50 AM-9:10 AM
TDEC Bureau of Environment Update
Tisha Calabrese Benton, Deputy Commissioner,
TDEC Bureau of Environment

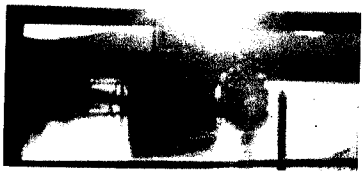
9:10 AM-10:50 AM
Region 4 State Panel Discussion
State regulators will highlight the work their states are doing and comment on some of the issues important to all Region 4 states. Topics of discussion may include Coal Combustion Residuals Management, Generator Improvement Rule Impacts, and PFAS Issues and Future Initiatives.

10:50 AM-11:00 AM
Closing Remarks
Patrick J. Flood, PE

11:00 AM
Conference Adjournment

MARK YOUR CALENDARS:
THE SHOW OF THE SOUTH RETURNS TO CHATTANOOGA MAY 17-19, 2019





A&D Environmental Services (208)

A&D Environmental, Inc. provides a diverse range of responsible, accountable services that reduce risk and deliver peace of mind to the customers, communities, and consultants we serve. Our diverse range of environmental services include: Industrial Services, Remediation, Waste Management, Emergency Response and Transportation.

A.E. Drilling Services, LLC (310)

.....aedrilling.com

A.E. Drilling Services, LLC has been providing national clientele high-quality environmental, geotechnical, mineral exploration, and commercial water supply drilling services since 1969. We are a woman-owned small business based in the Greenville, South Carolina area and serve the southeast region. Our capabilities include auger, air rotary/air hammer, mud rotary, and DPT drilling.

Action Environmental (818)

..... actn.com

Action Environmental provides environmental services and industrial services which have a broad application across many industries. Additionally, we provide specialty services which include industrial painting and coating, pipeline and terminal services, rail car services, and remediation services.

Advanced Environmental Services, Inc. (304)

..... AdvancedEnvironmental.com

AES provides remediation equipment sales, rentals and services. With over 150 systems in our fleet, we have the largest in-house selection of mobile remediation systems available. We also offer a huge selection of remediation system components and environmental instruments.

AECOM (509-608)

..... aecom.com

Our environmental services help industrial and public sector clients around the world balance growth with resiliency — achieving compliance and reducing, or eliminating, risks while protecting our natural environment.

AGRU America, Inc (702)

.....agruamerica.com

Since 1988, Agru America, Inc. has been the world's leading manufacturer of flat die extrusion geomembranes, geonets, geocomposites, geotextiles and geosynthetic clay liners. Agru is part of Alois Gruber GmbH, an Austrian family-owned business since 1948 with production facilities in Austria, the U.S., Germany, China and India, and distribution in over 80 countries worldwide.

Air Dynamics Testing (130)

.....airdynamicstesting.com

The Trusted Name in Source Testing, Air Dynamics Testing provides high quality, cost effective source testing solutions along the I-65 corridor. For more information on the testing we provide, give us a call at 1-855-839-8378 (TEST).

Air Water & Soil Laboratories, Inc. (211)

..... awslabs.com

Air Water & Soil Laboratories, Inc. is a full-service laboratory specializing in the analysis of environmental samples. With over 20 years of experience in servicing a wide range of industries, AWS offers data of the highest quality and excellent customer service. Please visit www.awslabs.com for more information about our services and capabilities.

AmCon Environmental (808)

..... www.amconky.com

AmCon Environmental has been a leading manufacturer of alternate daily covers since 1988. Our tarps are easy to deploy, save air space and time. We build the toughest tarps possible and offer same day shipping on stock items while custom tarp orders are processed promptly and to your design.

American Lamp Recycling LLC (711)

..... americanlamprecycling.com

Arcadis (305-404)

..... www.arcadis.com/en/united-states/

Arcadis is the leading global Design & Consultancy firm for natural and built assets. Applying our deep market sector insights and collective design, consultancy, engineering, project and management services we work in partnership with our clients to deliver exceptional and sustainable outcomes throughout the lifecycle of their natural and built assets. Arcadis. Improving quality of life. www.arcadis.com.

ATC Group Services (231)

.....ATCGroupServices.com

ATC is a national provider of integrated environmental consulting and engineering services. We offer comprehensive expertise in air, land, and water combined with full design, project management, and implementation services to handle any challenge from consulting to completion.

Aulick Chemical Solutions (128)

..... aulickchemical.com

Aulick Chemical Solutions is a regional leader providing custom solutions to clean water and control odor. Public utility sector with wastewater and drinking water treatment and private industry with manufacturing, processing, and rendering facilities, Aulick has the experience to design custom solutions specific to your application. We're willing to go the extra mile to clean water or prevent hydrogen sulfide, odor, and corrosion for your utility or company.

A-Z Solutions, Inc (105)

.....vaporremoval.com

A-Z Solutions is the recognized leader in vapor intrusion mitigation. Our innovative system designs coupled with environmentally sustainable technology ensures our VI systems will be delivered on time, on budget and with optimal results. A-Z follows a solid foundation of basic principles: Environmental stewardship, exceptional customer service and strong business ethics.

Bakers Waste Equipment Inc. (522)

..... bwe-nc.com

Founded in 1981 with a vision to manufacture and provide waste handling equipment to the hauler and municipality network. After decades of success and growth, BWE continues to investment in its core products which include steel front load containers, roll off containers, heavy duty industrial containers, hoppers, trailers, recycling containers, and an innovative line of Pinnacle Compactors that is rapidly gaining market share and awareness.

Barge Design Solutions (512)

..... bargedesign.com

Barge Design Solutions provides permitting and design services for municipal and industrial solid waste landfills. Barge's environmental staff perform ecological services such as wetland delineations, stream determinations, endangered and threatened species surveys, and restoration and mitigation design and monitoring.

Bartlett Controls (715)

.....bartlettcontrols.com

Manufacturers representative

Beacon Environmental Services (323)

.....beacon-usa.com

BEACON provides the highest quality soil gas and air monitoring data in the industry using time-integrated, sorbent samplers to collect samples over days or weeks. This advanced capability used throughout TN for the past 17 years enables our clients to collect more accurate data and win projects.

Blackhawk Technology Co (410)

..... blackhawkco.com

Blackhawk is the leading provider of reciprocating piston pumps for brownfield & groundwater remediation, recovery of coal tar, creosote, oil & other hydrocarbons, unknown chemicals. Top-head-drive motors & power at grade, safely & cleanly outside well/sump. Cost-effective pneumatics, electrics & solars pump any fluid at any angle, require less maintenance, non-polluting.

Bunnell-Lammons Engineering, Inc. (BLE) (830)

.....blecorp.com

Based in Greenville, SC with an office in Asheville, NC, BLE provides geotechnical, hydrogeological and construction CQA and testing services for solid waste landfills across the southeast. BLE provides a wide range of services for hydrogeologic siting evaluation, geotechnical engineering investigation, construction quality assurance, groundwater and landfill gas monitoring, groundwater quality statistical analysis, and storm water plans.

Blue Tank and Pump Rental (631)

..... bluetankandpump.com

Blue Tank and Pump Rental is more than just your rental company but your entire liquid solution. We provide liquid storage and transfer solutions for customers of all sizes, in all industries, and all processes with specific solutions designed to your specific needs. We provide the best equipment, best service and best people to provide the best, most economical solution to your liquid needs.

Caraustar Recycling (112)

..... caraustar.com

Caraustar Industries, Inc. is one of the largest integrated manufacturers of 100% recycled paperboard and converted paperboard products. Caraustar serves the four principal recycled boxboard product end-use markets. Our recycling division works with generators of cardboard and paper materials to supply our paper mills with a continuous stream of recycled fibers.

Cascade (618)

..... cascade-env.com

Cascade is the leading provider of environmental and infrastructure drilling, in situ remediation applications, and high resolution site characterization technologies. Our collaborative approach, high quality service, reliable crews, and leading safety program make Cascade the first choice in environmental services.

Chase Environmental Group (505)

.....chaseenv.com

Environmental field services.
Groundwater remediation system construction/O & M; Bioremediation injection, dual phase extraction; monitoring well installation, direct push services, radiological decontamination and decommissioning.

Civil & Environmental Consultants, Inc. (605)

..... cecinc.com

CEC provides engineering and consulting services for the management and disposal of municipal, construction/demolition, residual, hazardous, and gas exploration wastes, as well as coal combustion residuals. Our environmental professionals have extensive experience with regulatory compliance and industry management practices.

Clarke Power Services (627)

..... clarkepsi.com

Clarke Power Services is a commercial vehicle maintenance provider with an outstanding 50+ year track record of delivering value to the transportation and service industries. Clarke offers a comprehensive portfolio of services, or can customize solutions. Our commitment is to keep your assets working by delivering great service and to keep your equipment lifecycle costs on track.

Clean Earth, Inc. (419)

..... cleanearthinc.com

Clean Earth is one of the largest specialty waste companies in the U.S. providing remediation, disposal, recycling, and beneficial reuse solutions for contaminated soil, dredged material, and hazardous and non-hazardous wastes. It is our unique capability of providing a one-source, full-service solution to handle multiple waste streams from a single customer that separates us from the competition.

Clean Harbors/Safety-Kleen (609-708)

.....cleanharbors.com

For more than 35 years, Clean Harbors has been providing comprehensive hazardous and non-hazardous waste management services to meet the needs of customers throughout North America. Leader in providing response services for environmental emergencies of any scale on land or water.

CMI Equipment Sales, Inc. (709)

.....cmiequip.com

Providing equipment, parts and service to waste industry management for three decades.

CodePal Toolkit (811)

..... codepaltoolkit.com

Codepal is a Mobile Inspection and Permit Software Solution. We are designed to fit your way of working by adapting easily to a variety of industry standards. We pride ourselves on partnering with our clients, working together as a team to provide solutions that fit your needs and ease your workload.

Company Wrench Ltd. (528 - equipment 532)

.....companywrench.com

Company Wrench is a Heavy Equipment Sales, Rental, Service and Parts Company providing The Cutting Edge of Customer Service with a complete Dust Suppression product line. Our diesel self-contained product is great for evaporation, dust, odor, fire control, alternative daily cover in many markets.

Consolidated Pipe & Supply (820)

..... www.consolidatedpipe.com

Consolidated Pipe & Supply Co. distributes pipe, valves, & fittings from 42 locations located in 20 states. We offer a full line of HDPE fittings, pipe, and fusion machines.

CTEH®, LLC (826)
..... cteh.com
Center for Toxicology and Environmental Health, LLC (CTEH®) is a science-based environmental consulting firm established to provide toxicology and human health consulting. CTEH® provides highly technical and highly responsive professionals to evaluate and develop solutions to a wide variety of human health and environmental issues.

CTI Engineers, Inc. (414)
..... ctiengr.com
CTI Engineers, Inc., is an employee-owned consulting firm specializing in engineering services for waste management, water, wastewater, and site development. Organized in 1991 in Chattanooga, TN, with 15 employees, CTI now has over 50 employees and offices in three states, serving municipal, commercial, and industrial clients.

D&L Safety Services, LLC (321)
..... www.dandlsafetyservices.com
D&L Safety Services, LLC is a professional safety contracting company providing on-site safety professionals qualified for the specific needs of our clients, as well as on-site safety training, throughout the united states.

Directional Technologies, Inc. (303)
..... directionaltech.com
Whether it is your first horizontal well installation, or you have experience with the technology, Directional Technologies, Inc. is here to help you exceed your clients' expectations. Our master drillers, geologists, and engineers have installed over 1,000 horizontal wells in the last 25 years, and we have successfully utilized horizontal directional drilling technology at many projects originally thought to be unfeasible. Visit us at booth #303.

EarthCon Consultants, Inc. (132)
..... earthcon.com
Environmental Consulting, Engineering and Remediation

Eco Rental Solutions (832)
..... eco-rentalsolutions.com
Eco Rental Solutions Rents & Sells field test installations

ECS Southeast, LLP (713)
..... www.ecslimited.com
ECS environmental services include providing clients with a comprehensive understanding of the environmental aspects of a project and their impact on overall project requirements. ECS also provides geotechnical, construction materials and facility services. For more information and office listings, visit: www.ecslimited.com.

EDR (311)
..... edrnet.com
Our mission is to promote the environmental consulting industry and fill the needs of environmental consultants and engineers; we are committed to the success of the industry. From our flagship Radius Map Report–which has been used in more than six million environmental due diligence investigations–to our Due Diligence at Dawn seminar series, to our time saving workflow technologies, EDR is dedicated to the environmental consulting industry.

ENERG3 (413)
..... enerG3.us
EnerG3 develops energy projects in the industrial, commercial, and municipal sectors, that reduce operating expense with affordable efficiency solutions (lighting, HVAC, Solar, CHP, EV Charging, UPS). Not only do we consult, design, engineer, procure, and construct, but we also approach sustainability projects from a strong financial position and assist our customers with obtaining "free" capital in the form of federal and local incentives."

EnSafe Inc. (514)
..... ensafe.com
Creative thinking, custom solutions - that's what EnSafe provides to both industry and government clients when it comes to EHS challenges. Our coast-to-coast professionals deliver environmental, engineering, health and safety and technology solutions for the toughest issues.

Enterprise Oil (405-504)
..... enteroil.com
Enterprise Oil, est. 1984, is a family-owned and operated used oil recycling company in the Southeast. We are flexible in our services, innovative in our solutions and committed to environmental sustainability by custom building programs to be the best solution for non-hazardous waste management needs including zero-landfill and industrial services.

Environmental Enterprises (828)
..... eeienv.com
Environmental Enterprises Inc. (EEI) is a full service Treatment, Storage and Disposal facility. EEI was founded in 1976 to service the greater Cincinnati, OH area and has expanded to cover the east and southeast with service centers in PA and VA. EEI provides a full line of disposal services to a diverse clientele in industry, government and academia. Lab Packing, precious metals recovery, aerosol can disposal and hazmat removal are a few of our specialties.

Environmental Management Specialists, Inc. (213)
..... EMSonsite.com
EMS is a professional environmental contractor specializing in remediation, emergency response, and environmental services with service centers across the Midwest, Mid-Atlantic, South-Central United States, and beyond to serve our customers including transportation companies, energy companies, environmental consultants, industrial facilities, environmental service companies, general contractors, property owners, and the public sector.

Environmental Specialties International, Inc. (315)
..... esiliners.com
With more than 2 billion square feet of installed geosynthetic lining materials and 2,000 projects completed throughout the United States, ESI is a leader in geosynthetic installation services for the solid waste industry.

Environmental Standards (409)
..... envstd.com
Environmental Standards, Inc. is a privately-held environmental consulting firm specializing in chemistry quality assurance, environmental analytical laboratory auditing, consulting geosciences, third-party field auditing, and information management. Local office in Knoxville, TN.

ERIS - Environmental Risk Information Services (428)
..... erisinfo.com
Environmental Data For Properties in North America

ESC Lab Sciences (728)

..... esclabsciences.com

ESC Lab Sciences, a subsidiary of Pace Analytical, is one of the largest environmental analytical facilities in North America. ESC offers a full service analytical suite to meet our customers' diverse monitoring and characterization support needs including traditional soil, groundwater, wastewater, drinking water and TCLP along with air/vapor intrusion and radiochemistry.

ETEC, LLC (403)

..... etecllc.com

ETEC, LLC is a national provider of bio-focused remediation technologies that include soluble bioproducts and specialized recirculation equipment for soil and groundwater remediation.

Excel TSD of Tennessee, LLC (819)

..... exceltsd.com

Hazardous Waste T/S/D/F

Frost Environmental Services, LLC (412)

..... frostenvironmental.com

We are a full service environmental consulting firm specializing in asbestos, lead based paint, indoor air quality, industrial hygiene services.

Gatlinburg Crafts (134-136)

..... gatlinburgcrafts.com

The Craft Booth will feature pottery from Fowler's Clayworks and McAvoy Pottery both functional and decorative. Also featured will be sterling silver, mixed metal, real gemstone, and pearl jewelry from Gabriel's Horn Jewelry.

GEL Geophysics (228)

..... gelgeophysics.com

GEL Geophysics, LLC provides subsurface utility engineering (SUE), land surveying, and geophysical services. With 6 offices and nearly 50 employees strategically located throughout the Southeast, we are able to accommodate any size project for both public and private sector clients throughout the United States.

Geo Lab Drilling (313)

..... geolabdrilling.com

Environmental Drilling

GeoSearch (511-610)

..... geo-search.com

GeoSearch provides customers with fast, accurate, constructive information to help assess and manage environmental risk. GeoSearch is a complete source for all environmental due diligence needs including ASTM Environmental Database Reports, Historic Aerials, City Directory Research, Fire Insurance Maps, Lien and Title Search Investigations and more all in one place.

Geosyntec Consultants (520)

..... geosyntec.com

Geosyntec Consultants is a consulting firm with engineers, geologist, environmental scientist, and other technical and project staff based in offices throughout the United States and at selected locations in Australia, Canada, Ireland, Malaysia, and the UK. We address new ventures and complex problems involving our environment, natural resources, and civil infrastructure.

Geo-Synthetics Systems (GSI)- a Babcock Power Inc. company (703)

..... geo-synthetics.com

In business for over 40 years, Geo-Synthetics Systems (GSI)- a Babcock Power Inc. company is a distributor, fabricator, and installer of geosynthetic materials for a broad range of erosion control and containment applications for landfill sites, construction sites, road construction projects and contaminated waterways.

Geotechnics, Inc. (727)

..... geotechnics.net

Geotechnics has been at the forefront of geotechnical and geosynthetic testing for over 30 years. In working with numerous consultants and engineers, Geotechnics understands the challenges associated with complex testing programs for Landfill Designs, Ash Storage Facilities, Dam Construction and more. CQA field services as well as electrical leak location services.

Golder Associates Inc. (822)

..... golder.com

Golder is an environmental and engineering industry leader in ground engineering, soil/rock mechanics, and environmental services for mining, manufacturing, power, oil & gas, design and infrastructure industries. Golder has completed some of the largest and most complex environmental and geotechnical engineering projects in the Southeast.

GSE Environmental (203)

..... gseworld.com

GSE Environmental is a manufacturer of geosynthetic containment systems used in the waste management, mining, oil and gas, water and wastewater industries. Our HDPE-based products include geomembranes, geonets, geocomposites, GCLs, and geotextiles.

Hannah Solar (526)

..... hannahsolar.com

Hannah Solar is a full service, certified solar integrator and licensed electrical contractor dedicated to providing the very best in engineering, products, installation and servicing of solar arrays, battery storage systems, EV charging station equipment and backup generators.

Hawkston, LLC (615)

..... hawkston.com

Environmental Drilling Services

HEPACO
Serious experience for serious times

HEPACO, LLC (500)

..... hepaco.com

HEPACO, LLC is a specialty environmental contractor. Facility Decontamination, Asbestos/Lead Abatement, Remediation Services, Hazardous Material/Labpack Services and Emergency Response clean-up are a few of the services we are proud to offer our present and future clients.

Heritage Environmental Services (602)

..... heritage-enviro.com

Heritage provides the best-in-class capabilities for all of your waste service needs, including emergency response, incineration, fuel blending, landfill, inorganic waste and wastewater treatment, recycling, transportation and data tracking. We are committed to continued customer service excellence and exceeding your expectations.

Highland Technical Services, Inc. (629)

.....htsienv.com

Founded in 1998, Highland Technical Services, Inc., is a full service environmental and geosciences consulting firm. We have years of experience in anticipating, identifying, and addressing a wide range of concerns for clients across the United States. Our clients include, but are not limited to: foundries, hazardous waste generators, solid waste landfills, lending institutions, underground storage tank owners and state and local government entities.

Hole Products (508)

.....holeproducts.com

Hole Products is a global leader in providing high performance drilling supplies, tools and equipment to the construction, direct push, environmental, geotechnical, geothermal, HDD, mineral exploration, rotary, sonic, and water well drilling industries. Check out the drilling industry's leading ecommerce solution at www.holeproducts.com

Innovative Environmental Technologies, Inc. (420-422)

.....IET-INC.net

Innovative Environmental Technologies, Inc. (est. 1998) is a technology vendor and remedial contractor. IET holds 11 patented technologies that have been used in over 1800 remediation projects across the United States and Canada. IET also has an Environmental Drilling division with licenses in 15 states.

In-Situ, Inc. (109)

.....in-situ.com

For 30 Years In-Situ, Inc. has been the leader in water level and quality datalogging sensors for landfill leachate, mining, aquifer characterization and remediation. We manufacture, sell, rent and long-term lease loggers, meters and remote monitoring systems for all your project needs.

Integrated Tech/Aquashield (807)

Integrated Technologies represents AquaShield water quality units, Lane HDPE, PP, and CMP and Cultec underground detention chambers. Call us for all your stormwater needs.

iSustain Inc (732)

.....isustainrecycling.com

Solid/Liquid Waste & Recycling

Jerry White Magical Entertainment (131)

.....jwhitemagic.com

JWME has been providing quality environmental education in the southeast for more than 20 years

Jim's Tank Service, LLC (510)

.....jimstankservice.com

Jim's Tank Service, LLC is celebrating 50 years of business. Services include Haz and Non-Haz transportation, emergency response (OSRO), industrial services, roll-off, oil recycling and wastewater treatment. We perform these services along with our sister companies, ATM Oil Co., Inc. an EPA registered recycling facility and Wastewater Solutions, LLC, a permitted centralized waste water treatment plant.

K.S. Ware & Associates, LLC (519)

.....kswarellc.com

K. S. Ware and Associates provides Geotechnical services, Environmental Consulting, Construction Engineering and Inspection, Special Inspections and Hazardous Materials consulting. We support to A/E firms in the Transportation (highways and airports), Federal and Municipal Agency market segments.

Kenvirons, Inc. (920)

.....kenvirons.com

Kenvirons is a Civil and Environmental Consulting Firm located in Frankfort, KY. Specializing in Solid Waste design, permitting, CQA, surveying, environmental monitoring, air permitting and air emissions testing. Other areas of expertise are water treatment systems and distribution, wastewater treatment systems, Phase I & II site assessments and SWP3 & SPCC Plan preparation.

LaBella Associates-Joyce Engineering (411)

.....labellapc.com

Since 1983, Joyce has specialized exclusively in responsibly serving the solid waste industry for both public and private clients through engineering, environmental consulting, planning, permitting, and operational consulting and training. This year, JOYCE became a wholly owned subsidiary of LaBella Associates, DPC. JOYCE remains intact, and we are now part of a larger organization with even greater capabilities and geographic reach to serve our clients.

LDA Engineering (730)

.....ldaengineering.com

Through our vision of Learn. Design. Act., we provide planning, engineering, and geospatial information services helping communities develop solutions for infrastructure, public services, and environmental enhancements to build Stronger. Happier. Communities.

Lee-Smith, Inc (726)

.....lee-smith.com

The Southeast's largest locally owned commercial truck dealer for international-Ford-Isuzu trucks.

Leidos (731)

.....leidos.com

Leidos is a diversified consulting firm with offices across the country and throughout Tennessee (Oak Ridge, Hendersonville, Memphis and Livingston). Leidos routinely tackles some of our nation's biggest civil and environmental issues with a focus on cost effective customer support.

Leister Technologies (603)

.....leister.com

Leister Technologies (www.leister.com) is the worldwide leader in plastic welding and hot air equipment. Our products include automatic welders, wedge welders, extrusion welders and testing tools – everything a geomembrane installer might need.

Liberty Tire Recycling (804)

.....libertytire.com

Liberty Tire Recycling is the premier provider of tire recycling services in the U.S. By reclaiming more than 33% of the nation's discarded tires, Liberty Tire annually transforms more than 140 million tires into raw materials for smart, sustainable products that improve people's lives. Liberty Tire is a revolutionary American conservation enterprise – from whole tire to end product.

Lighting Resources LLC (721)

.....lightingresourcesinc.com

Recycler of Universal Waste Lamps, Batteries, E-Waste , Automotive Airbags/Seatbelts , and, Mercury Containing Equipment. We also provide total destruction via Shredding of sensitive material (hard drives, data holding devices, and OEM parts). Nationwide coverage with processing and service locations in Johnson City, Nashville, and Memphis, TN and Kennesaw, GA.

Lion Technology Inc. (110)

..... Lion.com

Lion Technology designs and delivers training to help industry professionals maintain compliance with Hazmat, Hazardous Waste, and Environmental Safety Regulations. Training includes classroom instruction; on-site programs; online courses; and live, instructor-led webinars. Every student receives access to expert instructors, online regulation updates, exclusive resources, and more.

Lipscomb University (821)

.....sustainability.lipscomb.edu

The Southeast's first comprehensive undergraduate and graduate program in sustainability, we equip leaders with business, natural and social science skills to create lasting solutions to modern environmental challenges. The Institute offers an MS in Sustainability (16 months), a Certificate of Graduate Studies in Sustainability (6 months), and Dual MS/MBA degrees (2 years)- on campus and online options available.

Lord and Winter (815)

.....lordandwinter.com

Lord and Winter is a team of professional environmental scientists serving in the mining, commercial/industrial development, and utility marketplaces by providing environmental permitting, environmental compliance, and environmental remediation services.

Marion Environmental, Inc. (918)

..... marionenv.com

Marion Environmental, a full service environmental company, with offices in Chattanooga, Knoxville, Nashville, and Tri-Cities, TN, and in Dalton, Atlanta, Charlotte, and Birmingham. Marion's services include consulting, emergency response, industrial services, waste management, and transportation of hazardous and non-hazardous waste.

McNeilus Companies (429 - equipment 433)

..... mcneiluscompanies.com

McNeilus Truck & Manufacturing is an industry leader in refuse truck bodies. Our product lineup gives you more options for rear-, side- and front-loading vehicles that fit your needs. McNeilus CNG also leads the way in alternative fuel systems and custom installations, plus a full-range of services and system support.

Mobile Mini Tank & Pump Solutions (604)

..... www.mobilemini.com

Mobile Mini Tank and Pump Solutions are providers of temporary liquid and solid storage solutions, pumps, and filtration systems. We also offer Transportation Services for Non Hazardous liquid/ solid materials or waste.

MTSU (720)

..... www.mtsu.edu/adcp

Custom College Degrees for Water Professionals. You can: Design your own custom degree program; Finish your degree quickly by getting credit for your certifications, training, and military experience; Complete your degree completely online. Call (615) 494-7714.

Municipal Equipment, Inc. (705)

.....municipalequipmentinc.com

Tennessee's new choice for refuse / recycling / compaction equipment from New Way, Galbreath, Marathon and Wastequip. Whether you want an automated side loader or on-site service - we've got the reach.

NorthStar Contracting Group, Inc. (426)

..... northstar.com

NorthStar is the world's most comprehensive environmental solutions company. Services include Environmental Assessment; Remediation and Restoration; Emergency and Disaster Response; Water Resource Management; Program and Project Management; Construction and Civil Engineering Services; and Asbestos Abatement, Demolition, and Facility Decommissioning.

Northstar Environmental Group, Inc. (308)

..... northstarenv.com

Northstar has focused our expertise on a core group of service lines selected to address the needs of our clients. Our core environmental service lines are, Due Diligence Services; Environmental Compliance; Stormwater Management; Site Remediation; Phase II Investigations; Drone Services; Brownfield Redevelopment Services

Pace Analytical Services (729)

.....pacelabs.com

Pace provides environmental testing of inorganic, organic and radiochemistry capabilities—specializing in the analysis of trace level contaminants in air, water, wastewater, soil, biota and waste. Throughout our 38 year history, clients have benefited from our commitment to data quality, timely turnaround times, excellent service and fair pricing.

Parratt-Wolff, Inc. (129)

.....pwinc.com

Safe, reliable, good communications on the job site, innovative - all words our clients use to describe our field teams. Parratt-Wolff provides quality drilling, well rehabilitation and direct imaging services to all states on the East Coast.

Patriot Recycling (401)

..... patriotrecycling.co

Patriot Recycling Inc. is a completely modern state of the art tire processing and recycling facility. We are proud to take scrap tires and turn them into beneficial end use tire derived products for power generation and use in infrastructure while promoting solutions for a cleaner environment.

Perma-Fix Environmental Services, Inc. (831)

..... perma-fix.com

Perma-Fix Environmental Services, Inc. is a leading provider for the treatment, processing, and recycling of hazardous, non-hazardous, household hazardous, industrial, universal, medical/ pharmaceutical, and radioactive wastes. Following local, state, and Federal regulations, we offer a variety of services including SGQ/ CESQG collections, household hazardous waste mobile collections, fuels blending, and metals laden waste stabilization.

PeroxyChem (809)

..... peroxychem.com/markets/environment/soil-and-groundwater

PeroxyChem's proven in situ chemical oxidation (ISCO), in situ chemical reduction (ISCR), and bioremediation technologies promote rapid and cost-effective treatment of a wide range of organic compounds and heavy metals. We have treated millions of liters of groundwater and more than ten million metric tons of impacted soils, sediments, and industrial process wastes.

Pine Environmental (233)

..... pine-environmental.com

Environmental Monitoring, NDT- RVI, CEMs, PPE Supplies

Plastic Fusion Fabricators, Inc. (823)

..... plasticfusion.com

Geosynthetics, pipes, fabrications, installation

PM Environmental (722)

..... pmenv.com

PM Environmental, Inc. has over 25 years of experience in consulting and managing a wide variety of environmental, engineering, industrial hygiene, energy and development projects. Services include Risk Reviews, Transaction Screens, Phase I & II Environmental Site Assessments, Property Condition Assessments, Brownfield Redevelopment, and Underground Storage Tank Management.

Pointmap CAD & GIS Services (518)

..... pointmap.com

POINTMAP provides CAD & GIS services that support environmental professionals. We manage your drafting and mapping details, so you can focus on higher billable tasks and more projects - for greater profitability. Extend your team by incorporating ours!

Pratt Industries (202)

..... prattindustries.com

Pratt Industries USA is the world's largest privately owned corrugated manufacturing company. Headquartered in Conyers, GA, we are a vertically integrated company with successful collection, processing and paper mill operations. Pratt consumes the paper derived from recycling programs and produces 100% recycled paper products at four modern mills here in the U.S.

Provectus Environmental (418)

..... provectusenvironmental.com

Provectus Environmental is a performance chemical provider to the soil and groundwater remediation industry. We specialize in the development and global commercialization of next-generation, synergistic in situ chemical reduction (ISCR), in situ chemical oxidation (ISCO), and bioremediation technologies. Our proprietary remedial technologies represent the safest, most effective, and most cost-efficient solutions available.

Questar Solutions (330)

..... questarusa.com

For over 25 years, Questar has been the leading single-source provider of UN rated Performance Oriented Packaging to the waste and industrial industry. Questar operates from 10 strategically located national warehouses to ensure our clients receive the highest level of service.

Ramboll (620)

..... ramboll.com

Ramboll is a leading engineering, design and consultancy company. Our globally recognized Environment & Health practice has earned a reputation for technical and scientific excellence, innovation and client service. We strive to achieve inspiring and exacting solutions that make a genuine difference to our clients, end-users and society at large.

Raven CLI (802)

..... ravenind.com

Raven is a vertically-integrated full-service solutions provider of targeted products for the geosynthetics industry as a world-class manufacturer of advanced geomembranes, and design-build custom fabrication. We incorporate the latest technology to develop sustainable solutions that directly address hazardous containment, and promote stewardship in cleanup and redevelopment of environmentally impaired sites.

Republic Services, Inc. (600)

..... republicservices.com

REPUBLIC SERVICES

RES (111)

..... res.us

RES is the largest dedicated provider of ecological solutions in the United States, providing high-quality, client-centric solutions. In total, we have reduced 250+ tons of nutrients; restored 290+ miles of stream, 58,024 acres of wetlands, and 9,100 acres of species habitats; and planted over 14 million trees.

RKI Instruments, Inc. (521)

..... rkiinstruments.com

RKI Instruments is an innovative gas detection company offering portable and fixed systems gas detection instruments. RKI is showing the latest in VOC gas monitoring. The GX-6000 is a 6 gas portable detector with the capability of monitoring with 2 different PID sensors in one instrument including benzene specific mode.

Rockwood Recycling (810)

..... rockwoodrecycling.com

Rockwood recycling is a company that focuses on wood recycling, shingle recycling, and tire recycling. Rockwood also has expanded into contract grinding and working with gasification and waste-to-energy projects.

S&ME, Inc. (327)

..... smeinc.com

S&ME delivers common sense consulting services that create economic value for our clients. Our environmental professionals are focused on safely providing technically excellent services, governed by unquestioned integrity, and aimed at cost-effectively accomplishing our clients' objectives.

Stevens Environmental Consulting (229)

..... stevensenvironmental.com

Excellence in EHS services, providing value through strategies you can trust

SEFA (502)

..... sefagroup.com
SEFA processes and markets environmentally sustainable products derived from fly ash for the concrete industry, recycling over 20 million tons of fly ash in the last 30 years. We are an integral part of some of the country's most successful coal ash recycling programs. SEFA is making a positive impact by cleaning up coal ash from ponds and removing it from the environment permanently.

SEMS, Inc. (710)

.....semsinc.net
Environmental Consulting and Industrial Services

Skytec LLC (423)

..... skytecllc.com
Skytec is an ISNetworld qualified, professional UAV company that provides data collection and analysis, data management, and consultation services. Our turn-key operation is available to professional service firms and site owners anywhere in the world.

Smith Gardner, Inc. (801)

..... smithgardnerinc.com
S+G is one of the nation's leading firms in the solid waste and environmental consulting industry. We incorporate our three 3R Strategy - Resource Management, Recovery and Remediation - to optimize life cycle project benefits and deliver cost-effective, innovative solutions.

Southern Environmental Services (805)

..... southernenvironmentalservices.net
Environmental ER-Testing-Tank Removals

Specialty Earth Sciences, LLC (714)

..... sesciences.com
Specialty Earth Sciences, LLC is the developer of SOCORE: Sustained Oxidation and Controlled Oxidant Release Encapsulants. SOCORE technology provides long term (on the order of years) reactive zones for plume reduction as well as interception of migrating contaminant frontal boundaries. SOCORE is ideally suited for sites with active operations or low permeability soils.

Stantec (814)

..... stantec.com
At Stantec, our work—professional consulting in planning, engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, and project economics—begins at the intersection of community, creativity, and client relationships. Stantec makes a long-term commitment to the people and places we serve.

Stringfellow Inc. (329 - equipment 333)

..... stringfellow.bz
Since 1934, Stringfellow, Inc. has provided Tennessee with the best refuse equipment available. HEIL, Gal-Fab, Pac-Mac, Toter... all to make collection and recycling more efficient and safer! Great Service, Great Equipment , and YOU! What a team!

SWS Environmental Services (503)

.....www.swses.com
SWS Environmental Services has over 30 years of experience with government and industry customers. **Emergency response**, industrial services, waste management, and remediation teams are available throughout the United States 24/7/365 through our Response Hotline - 877-742-4215

TANA North America by HUMDINGER (718)

..... humdingerequipment.com
Compactors - Shredders - Trommels - Compost Turners

tarpARMOR (332 - equipment 137)

.....tarparmor.com
tarpARMOR TDS by Southwestern Sales, a higher form of protection: Save airspace; Protect your investment; Maximize tarp coverage; Minimize installation time; Improve performance in wind; High quality fabrics and construction; Patented technology.

Tarpomatic, Inc. (204)

.....tarpomatic.com
Tarpomatic manufactures an automatic tarping machine designed for deployment and retrieval of alternate daily cover tarps over the active working face of landfills. Our machines have proven the test of time and extreme conditions for over 20 years. We are the only company that employs a removable arbor system, so only one machine is needed for even the largest of landfills.

TDEC - Remediation (210)

.....tn.gov/environment/remediation
The Division of Remediation identifies and investigates hazardous substance sites, then uses practical and effective remedies to stabilize, remediate, contain, monitor and maintain these sites. These efforts minimize threats to public health, safety, and the environment.

TDEC Regulatory Staff (100-102)

.....tn.gov/environment
TDEC's technical staff is on site and wants to meet you! Come by our booth to find just the right person to discuss your unique questions or comments and pick up your 100% recycled, Made in the USA conference tote bag, sponsored by our Office of Policy & Sustainable Practices.

TDEC Small Business Environmental Assistance Program (829)

.....tn.gov/environment/sbeap
The SBEAP is a non-regulatory program within TDEC. Its purpose is to provide free, confidential, technical environmental assistance to small businesses for all their environmental questions.

TDOT Highway Beautification Office (104)

.....nobodytrashestennessee.com
TDOT staff from the Highway Beautification Office is on site and wants to meet you! Come by our booth and see what we're doing to combat litter, from the Adopt-A-Highway Program to our new litter prevention campaign, Nobody Trashes Tennessee! Bring your questions and be sure to pick-up a free car litter bag, so that you can help us keep Tennessee roadways litter free!

TenCate Geosynthetics (704)

.....tencategeo.us
TenCate Geosynthetics is the global leader in geosynthetics. Our geogrids and geotextiles are engineered with advanced application knowledge to meet project specifications for transportation construction, mechanically stabilized earth, erosion control, and water and waste management.

Tennessee Tech University (108)

..... tntech.edu/is/ses/psm
Tennessee Tech's School of Environmental Studies

Terracon (312)

.....terracon.com

Terracon provides practical solutions to environmental, facilities, geotechnical and materials engineering challenges. With more than 140 offices nationwide, we provide local expertise backed up by national resources to achieve project success on time and on budget.

Tersus Environmental (302)

.....tersusenv.com

Tersus Environmental researches, develops, and commercializes innovative soil and groundwater remediation solutions through university and professional relationships in order to meet the increasing technological demands at contaminated sites. Our proven technologies help our clients reduce uncertainty, minimize risks, and achieve cost-effective results.

TestAmerica Laboratories (415)

.....TestAmericainc.com

TestAmerica Laboratories, Inc. has developed an unprecedented combination of resources, experience and testing capabilities, with more than 2,000 industry professionals. TestAmerica focuses on refining methods that address current environmental issues and developing new solutions for challenges that the market and our clients anticipate facing in the future.

Tetra Tech (613)

.....tetratech.com

Tetra Tech is a leading, global provider of consulting and engineering services. We are differentiated by Leading with Science® to provide innovative technical solutions to global commercial and government clients. With more than 16,000 associates worldwide, Tetra Tech provides clear solutions to complex problems.

The Peterbilt Store North Georgia (633 - equipment 632 & 637)

.....thepetestore.com

Peterbilt North American Dealer of the Year (2004 and 2016)
The Pete Store is network of Peterbilt truck dealerships spanning the Eastern US. Through our exclusive Peterbilt dealerships we offer sales of new and pre-owned trucks, truck parts, body shops, and truck service. The Pete Store is a respected dealer in the transportation industry with a track record for quality support.

Tioga Environmental Consultants, Inc (611)

.....tiogaenv.com

Tioga, based in Memphis, specializes in environmental regulatory compliance for manufacturing and industrial facilities; assessments such as Phase I, II, NEPA etc.; remediation (DCERP and UST Certified); hazardous building material assessments (lead, asbestos and other hazards); industrial hygiene and safety services and natural resource investigations (wetlands).

TIS Insurance Services, Inc. (827)

.....TISINS.com

Insurance Broker

Titan Environmental USA (408)

.....titanenviro.com

TITAN

Titan Environmental USA specializes in prefabricated geomembranes for a variety of environmental containment projects. Working with a range of materials we are your one-stop-shop for specialty product and custom panel fabrication. Contact us at 1-713-849-1311 or info@titanenviro.com

TN Recycling Coalition (812)

.....tennesseerecyclingcoalition.org

The Tennessee Recycling Coalition is a non-profit organization dedicated to promoting recycling and sustainable materials management practices in the state of Tennessee. TRC's annual conference will be held August 12-14, 2018 at Marriott's Franklin Cool Springs.

TN State Parks (103)

.....tnstateparks.com

TENNESSEE State Parks

State Parks preserve and protect the unique natural, cultural and historic resources of our state. Learn more about Harrison Bay State Park, whose signature Jack Nicklaus designed Bear Trace golf course hosted our Golf Tournament on Tuesday!

TN Volunteer Chapter of SWANA (813)

.....swanachapters.org/tennessee

TN SWANA is a group of solid waste professionals who are committed to advancing the practice of economically and environmentally sound solid waste management in Tennessee.

TPM Group (106)

.....tpm-group.com

TPM Group is a full service environmental and emergency spill response contractor with offices located in Bowling Green, KY and Nashville, TN. Our personal are strategically located to ensure a prompt response to service requests throughout the Southeastern United States. TPM also owns a fleet of vacuum trucks, operates a solidification facility in Auburn KY and performs stormwater quality BMP / SCM inspections, cleanings and restorations.

Tradebe Environmental Services (328)

.....tradebeusa.com

TRADEBE provides safe, quality, innovative environmental services that contribute to sustainable development and innovative solutions to ensure the appropriate assessment, treatment and elimination of wastes. As a global business dedicated to sustainable waste management, we seek the greenest waste solutions possible with a priority on recycling and recovery.

TriAD Environmental Consultants, Inc. (723)

.....triadenv.com

TriAD Environmental Consultants, Inc., provides innovative, cost-effective solutions to environmental problems. Our expertise includes solid/hazardous waste management, RCRA/CERCLA permitting/remediation, hydrogeologic investigations, storm water management, hydrologic determinations, compliance assistance, SPCC Plan preparation, and environmental assessments.

Tricon Precast LTD (309)

.....triconprecast.com

Precast Concrete Manufacturer

Tri-State Drilling - Chattanooga (621)

.....TSDrilling.com

A small business providing professional drilling services based in Chattanooga TN. (Nashville & Knoxville) Providing services in southeastern United States. Services include Geotechnical, Environmental, Mineral Investigation and Water Resources. Services in a Safe and Timely Manner.

TTL, Inc. (205)

.....ttlusa.com

For more than 50 years, TTL's staff of over 350 technical and professional personnel across seven different offices has worked with clients nationwide. We currently serve the following markets: Analytical Lab Testing, Construction Materials Testing, Industrial, Energy, Transportation, Geotechnical Engineering, Environmental Consulting and Civil Engineering Design.

UA SafeState (712)

..... alabamasafestate.ua.edu

UA SafeState Environmental Programs provides environmental training, compliance assistance, and sustainability support for industrial, commercial, residential and municipal environments.

US Ecology (719)

..... usecology.com

US Ecology is a leading provider of environmental service offering treatment, disposal and recycling of hazardous and radioactive waste, and complementary field and industrial services. For over 63 years, US Ecology has provided hazardous and non-hazardous waste treatment, RCRA/TSCA disposal. Services include ER, industrial cleaning, lab packing, remediation and transportation.

Valicor Environmental Services, LLC (209)

..... valicor.com

Industrial Waste Water Treatment & Oil Recycling

Vapor Pin Enterprises, Inc. (319)

..... Vaporpin.com

The Vapor Pin® a unique, patented, re-usable sampling device, and has a variety of applications, including sub-slab soil-gas sampling, de-pressurization studies/testing, stray gas evaluations, source area characterization, Pilot testing and mitigation progress monitoring. The Vapor Pin® allows you to collect quality, low-cost samples within minutes. Plus, it's made in the USA.

Veolia (421)

..... veoliaes.com

Environmental Company

Waste Connections of Tennessee, Inc. (922)

..... wcnx.org

Waste Connections of Tennessee, Inc. is a fully integrated solid waste services company. We service commercial, industrial and residential trash and recycling customers, operating Class I landfills and transfer stations.

Waste Industries (402)

..... wasteindustries.com

Waste Industries maintains an industry-leading approach to sustainable waste practices through efficient management of its resources and early adoption of technology. Through technologies such as our compressed natural gas fleets, our state of the art Diesel Hydraulic-Hybrid vehicles, and our gas to energy facilities at our Sampson County landfill, Waste Industries holds true to its mission of ongoing sustainable efforts in local communities.

Waste Management (523-622)

..... wm.com

Waste Management is the leading provider of comprehensive waste management and environmental services in North America, serving residential, commercial, industrial, and municipal customers. We offer a broad portfolio of environmental solutions. Our subsidiaries provide collection, transfer, recycling and resource recovery, and disposal services, and we are a leading developer, operator and owner of landfill gas-to-energy facilities in the US.

Watershed Geo (113-212)

..... watershedgeo.com

Watershed Geo is a geosynthetics company specializing in erosion control, soil stabilization and waste containment technologies that are sustainable, low-cost and engineered to handle extreme weather. Watershed's products include ClosureTurf®, a final landfill closure system, VersaCap®, an intermediate landfill cover and HydroTurf®, an engineered revetment armoring system for storm water applications.

Waypoint Analytical (623)

..... waypointanalytical.com

Waypoint Analytical believes scientifically sound, legally defensible analytical data is the most critical element for the success of an environmental project. We provide a superior standard of service, operate with an unwavering commitment to quality and our clients, provide services that follow the entire life cycle of a project, and utilize the latest and best technology for each project

WestRock (501)

..... www.westrock.com/recycling

WestRock Recycling & Waste Services is one of the largest integrated recyclers and non-landfill based waste consolidators in North America. We offer our customers solutions for their waste and recycling needs through customized programs dedicated to meeting sustainability goals, increasing recycling rates and decreasing waste costs.

WiSE (230)

WiSE is an affinity group comprised primarily of women with science or engineering degrees, or working in science or engineering positions. Our focus is to provide mentoring and networking opportunities for women with degrees or positions in science or engineering and to impact the awareness of young women and girls regarding science and engineering as professions.

Wood Environment & Infrastructure Solutions (619)

..... woodplc.com

Wood is a global leader in the delivery of project, engineering and technical services to energy and industrial markets. We operate in more than 60 countries employing around 55,000 people. We provide performance-driven solutions throughout the asset life-cycle, from concept to decommissioning across a broad range of industrial markets.

Worldwide Equipment INC (803)

..... thetruckpeople.com

Our municipal specialists can provide trucks for all applications. Mack, Volvo, Kenworth, and Hino chassis are available. Exclusive NJPA financing! Make sure to ask about our Municipal Rotation Auction Program! Let us help you write your specs!

Worobey Transport Inc. (WTI) (839 - equipment 641)

..... wti-tank.com

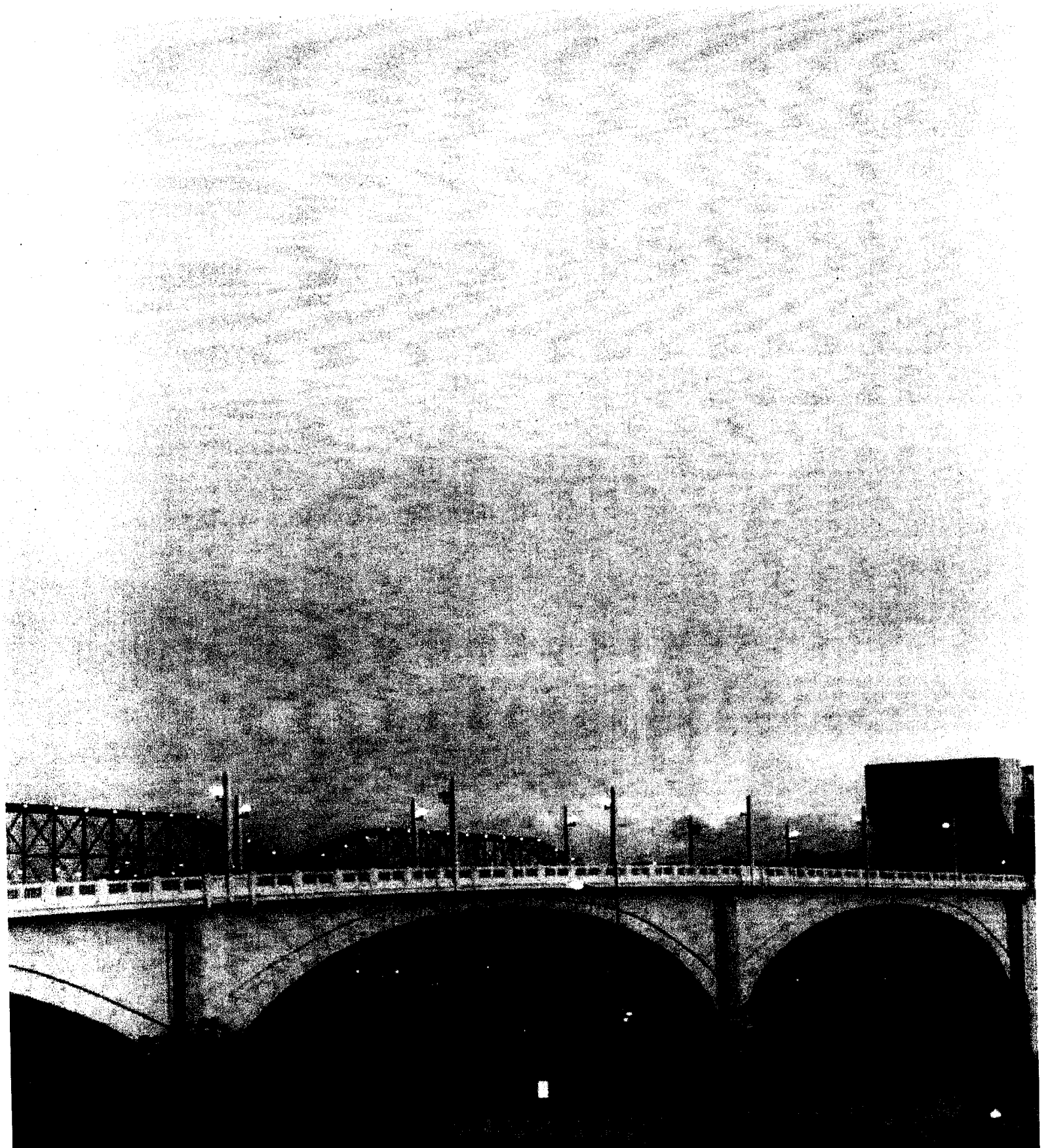
WTI offers a wide range of rental equipment for the environmental services sector. Frac tanks, sealed rolloffs, vacuum boxes, and dewatering boxes are a few of the products we offer to insure our client's success.

Wright Brothers Contracting, Inc. (427)

..... wbcci.com

WRIGHT BROTHERS CONSTRUCTION COMPANY, INC.

Over the past thirty years Wright Brothers has been constructing landfills for both private owners and public municipalities. We understand the standards and specialized grading techniques that are required to construct landfills. Wright Brothers has proven time and time again that we can deliver a quality product while exceeding our client's expectations.



Tennessee Department of Environment and Conservation, Authorization No. 327045, May 2018, 1000 copies. This public document was promulgated at the cost of $2.88 per copy.

Official Meeting/Briefing Request for the RA or DRA

Has your Division Director been briefed on this subject, and is he/she aware of your request to set up this meeting? Yes _X__ No ____ (Mary Walker briefed, will brief new DD before mtg)

NOTE: A briefing sheet needs to accompany this meeting request

Date of Request: 4/26/2018

Requestor: Stacey Bouma
Phone No.: 404-562-9392

Name of Meeting: Gastonia NC Construction Grant Appeal Determination

Purpose of Meeting: Decision by RA to deny or approve appeal

Is the Meeting Date Sensitive? Yes X☐ No	**Deadline Date: June 22**	
Meeting Date/Time Preference #1	Date: May 14-18	Time: Anytime
Meeting Date/Time Preference #2	Date: June 11-15	Time: Anytime
Meeting Date/Time Preference #3	Date: May 7-11	Time: Anytime

NOTE: All requested dates should be at least one week out. This request will be discussed on Friday.

Duration of Meeting: Unless otherwise indicated meetings will be scheduled for 45 minutes: 30 mins to present/15 mins Q&A
Do you need a conference number: Yes _____ NO_X___

Background: In October 1997, the City of Gastonia, North Carolina, appealed a decision issued by an EPA R4 Grants Dispute Decision Official (DDO) in September 1997. The DDO disallowed costs amounting to a federal share overpayment of $38,995. The EPA has not ruled on this appeal. A decision is required to resolve the appeal and deobligate $38,995, which remains in the R4 Construction Grant account and is reflected as a long term unliquidated obligation. The City Manager was contacted on April 25 to apprise him of the situation.

Expectations from Meeting (Please be specific: Are you looking for a decision, guidance?)
If you are looking for a decision, give a date by when this decision must be made. June 22

No. of Participants: **(It is very important that the RA's office is aware of how many and whom...no surprises; i.e., we were told 2 staff members and 10 show up)**	Names of Required Invitees: Stacey Bouma Robin Allen Thomas Cooney Brian Smith Becky Allenbach Mary Walker Jeaneanne Gettle	Optional Invitees:

Requested Meeting Location: RA's conference room or 15C
Please email **final** slides, background documents etc., to **Wanda Hudson** and **Brandi Jenkins** 2-days prior to the scheduled meeting: failure to receive finalized documentation may cause your meeting to be rescheduled. Your Power-point presentation (if any) will be loaded and ready for showing at the scheduled meeting. All slides and background information will be printed for the RA, DRA, their Special Assistants and the COS by the front. **For *any critical issues that need to be elevated, please email Brandi Jenkins and Blake Ashbee.

ASSISTANCE DISPUTE OF CITY OF GASTONIA GASTONIA, NORTH CAROLINA Docket No. 04-98-AD01

Determination by the
Regional Administrator
Pursuant to 40 CFR
Part 30, Subpart L

Construction Grant No.
C-370744-1

INTRODUCTION:

The City of Gastonia, North Carolina (City) requested this dispute review under the assistance disputes provisions of the Environmental Protection Agency (EPA) regulations governing grant awards (40 CFR, Part 30, Subpart L). This dispute arises under the program of grants authorized by Section 201 of the Clean Water Act 33 U.S.C. § 1231 to assist in the construction of wastewater treatment facilities.

On September 30, 1988, EPA awarded Construction Grant Number C-370744-1, to the City and provided 55 percent federal participation in eligible costs of construction of the subject wastewater treatment facilities. EPA's Office of Inspector General (OIG) performed a selected scope financial review of the grant and questioned, as ineligible, costs totaling $488,954, or federal share of $268,924.

As a result of the review, the EPA Region 4 (R4) Disputes Decision Official (DDO) issued a Final Determination Letter (FDL) on the grant. The DDO disallowed costs amounting to a federal share overpayment of $38,995.

In filing the October 16, 1997, request for review of the determination, the City disagreed with the final decision and provided additional information for consideration dated January 2, 1998, with attachments dated January 4, 1989, and August 17, 1989.

As authorized by 40 CFR § 30.1215, the City requested this dispute be decided on the basis of the written record in combination with an informal conference telephone call. The informal conference telephone call was conducted on June 2, 2005, with representatives from the City and EPA R4.

In accordance with the disputes review process requirements, the documentation contained in the City's submissions have been incorporated by reference into the written record and was reviewed by the Water Management Division (WMD), the Office of Environmental Accountability (OEA), and OIG, and this review reflects consideration of their recommendations.

The disallowed, cost issue in dispute is whether the DDO erred in disallowing EPA participation in project costs of $75,815 related to the *Planning and Design Allowance* (PDA).

The dispute review process provides an independent and objective review of the propriety of those final cost eligibility determinations contained in the FDL, according to the applicable rules, regulations and policies in effect on the date of grant award. Accordingly, my final review decision on the issue in dispute follows.

OVERVIEW:

The City of Gastonia, North Carolina, via its letter dated October 16, 1997, disputes the EPA R4 DDO's final determination dated September 19, 1997, regarding the subject Construction Grant. In their October 16, 1997, letter, City officials specifically dispute the calculation method the DDO used to arrive at the PDA for this project and maintain that a greater portion, if not all, of the planning and design costs should be reimbursed. City officials maintain that the PDA should be, at the least, the sum of allowances calculated for individual components since each component had a different Reserve Capacity Cost Ratio (RCCR). Furthermore, City officials point out that the State of North Carolina (the delegated state) and EPA R4 officials originally calculated separate allowances for the separate components during the project and remark that this project was thoroughly reviewed, at project completion, by EPA's Construction Management Evaluation team on March 25-28, 1991, and no problem was noted with the PDA calculation method at that time.

Essentially, grantee officials are arguing that (1) the DDO computed the **allowance** incorrectly, (2) this project was **phased or segmented**, (3) an **affirmative management decision** was made regarding the allowance calculation method, and (4) EPA cannot now change the calculation method or originally used (estoppel). The net amount in dispute is $75,815, in PDA costs, of which $38,995 is EPA's share.

BACKGROUND:

The subject grant was awarded September 30, 1988, for the purpose of constructing a 6 Million Gallon per Day Regional Waste Water Treatment Plant (WWTP), to serve Crowders Creek Basin, portions of Gaston County, Kings Mountain, and Gastonia. This project included the transportation of flow from Crowders Creek to the WWTP. The original project and budget periods were from September 30, 1988, through March 1, 1992. On January 12, 1993, the scope of this project was revised to include the Brandon Creek Outfall (BCO) and the project and budget periods were extended through August 31, 1994 (Amendment No. 5). This amendment was for constructing an interceptor extension along Brandon Creek, and considered part of the Crowders Creek project. An increase in assistance was not required for this extension. The final total project amount claimed by Gastonia was $22,676,915. The State of North Carolina reduced the final, total, claimed amount to $22,623,482; of that, EPA paid $12,442,916 or 55 percent. City officials were reminded on August 7, 1995, via letter from state officials, that all assistance payments would have to be verified by a federal auditor before they would be considered final.

The EPA Office of Inspector General (OIG) conducted an audit of the subject grant and issued its final report on May 14, 1997. In its final report, the OIG questioned, as ineligible, total costs of $488,954. In its analysis, the OIG questioned $281,252 (Note 2 of the audit report), and $87,771 (Note 5), of the claimed PDA, noting that the grantee apparently amended the facilities plan, and claimed an increased allowance for the additional planning and design. The OIG declared the regulations do not provide for reimbursement of additional planning. The OIG pointed out that the State of North Carolina recalculated

the PDA, to include an additional planning amount based on the percent of the facilities plan modified. The OIG recalculated the PDA to exclude, and question, the additional planning portion.

In disagreeing with the OIG, the City commented that additional effort and expense were required to modify the facilities plan. So consequently, the grantee argued that the additional expense should be accounted for in calculating the PDA. City officials claimed that the BCO portion was a phase 2 project designed 4 years after Crowders Creek Outfall. They argued that the BCO phase should have a *separate* design allowance, namely, because EPA and the State of North Carolina officials treated the BCO portion as a separate project for all phases of construction including separate bid packages for different portions of the project.

The grantee claims that this project was officially phased, or segmented, and that an affirmative management decision was made which officially approved the separate calculation method and resultant, greater, total, PDA amount when state and EPA officials approved amendments to the grant agreement; and furthermore, was made aware via other correspondence as well, of the separate calculation method being used, and which is now being questioned.

The OIG noted, in its final audit report, that the grant regulations stipulate that the PDA is not intended to reimburse the grantee's actual costs; only to *assist* in defraying actual costs. As noted above, the OIG eliminated the allowance for the BCO, and advised that the PDA should be calculated only once per project, in accordance with the regulations.

In the FDL issued September 19, 1997, the DDO disallowed $75,815 of the PDA (Notes 2 & 5 of the OIG's report combined), which resulted in the City owing EPA $38,995. In response to the OIG's position that the PDA calculation incorrectly included a portion for additional planning reimbursement, the DDO noted that due to EPA increasing the original federal limits and requirements the grantee is entitled to receive an additional, partial allowance for planning which the state determined to be 50 percent of the total, additional, planning cost. Consequently, in his final decision, the DDO recalculated that PDA to include a partial, additional, planning allowance. The DDO also pointed out that 40 CFR[1] 35, Subpart I, Appendix B, requires the PDA to be calculated only once per project.

DISCUSSION:

Since Gastonia officials make, in essence, four arguments, I will discuss each one separately starting with the phased or segmented argument, since this is the central issue in this dispute.

Phased and/or Segmented:

State of North Carolina officials argue that the most compelling evidence that this project was phased, or segmented, is that several grant amendments with different RCCRs for different portions of this project were processed by EPA. The City submitted, to the written record, letters from the city's director of public works expressing urgency, and therefore, a need to separate Crowders Creek, not BCO, into phases which resulted in higher engineering fees. The City points out that each phase was "advertised and bid separately". In its letter dated August 17, 1989, to the state, the City noted that the Crowders

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1 Throughout this document, all citations to the Code of Federal Regulations (CFR) refer to the version of the Code in effect at the time of award, or as of July 1, 1988.

Creek project was "separated into two phases" in order to meet a critical time schedule established between the city and state. Construction of the outfall lines was phase 1; while construction of the treatment plant was phase 2. The subject letter contained a statement of the city's intent to complete both phases as a total project. As additional evidence that the project was phased, the grantee refers to the March 1991, EPA's Construction Management Evaluation Report wherein was stated that, "[t]he construction of the project was bid in two major divisions..." with separate and different bid and selection dates per division.

The Construction Grants Program for Municipal Wastewater Treatment Works Handbook of Procedures (October 1, 1984) stipulates that:

> EPA regulations do not make a distinction between a treatment works phase or segment. In practice, however, phasing is the term used where an entire treatment works construction sub agreement is awarded to the selected contractor, but the contractor is only authorized to proceed to construction on specific phases of the treatment works. This practice has been used on a limited number of projects where building took several years, and funding for the entire treatment works was not available from a single year's allotment. While this practice is not prohibited by EPA regulations, the inherent potential problems are such that it is discouraged and, where proposed, should be very carefully reviewed, especially with regard to the applicant's financial capability to successfully build the entire project.

Segmenting of projects is a more common practice, which involves the building of the complete treatment works in segments, over a period of time. The complete treatment works is described in a facilities plan, but a separate grant agreement/amendment is issued, and a separate subagreement is awarded, to build each segment.

In this case, the project did cover more than three years, and so, met one of the three qualifying conditions for phasing or segmenting. However, simply meeting a condition does not mean phasing was automatically approved for this project. When the grantee officials were asked for documentation evidencing official approval for phasing, they were not able to provide that evidence.

Past Assistance Dispute Decisions can provide some guidance in determining whether the Gastonia project was officially segmented or phased.

> The Regional Administrator (RA) in EPA Region 7 observed, in the City of Topeka decision, EPA Docket No. 07-85-AD02 (June 5, 1987) 10, that segmenting involves building, "...a complete treatment works in discrete segments, over a period of time." The RA further determined that, "[s]eparate grant agreements covered discrete segments of construction. Each segment became a separate 'project' in grant terms." City of Topeka, 11. To explain further the RA compared the Kaw Point project to the Oakland project and noted that they were easily distinguishable. While the Oakland project, "...involved separate grant agreements for different segments, the Kaw Point plant consisted of one grant agreement covering the entire scope of the facilities." The RA said that the, "... misunderstanding on this issue is the confusion over the use of the term "project." He pointed out that [the applicable regulations] "...expressly defines the term "project" to mean activities identified in the grant agreement for which the grantee may expend, obligate or commit funds. The word "project" therefore, as used in [the applicable regulations], is a term of art with a precise definition." City of Topeka, 12.

40 CFR §35.930 requires that the scope of a project receiving Federal assistance must be defined in the grant agreement. Additionally, the project scope must include a step or an *identified segment.* (Emphasis added)

> "A treatment works phase or segment may be any substantial portion of a facility and its interceptors described in a facilities plan...which can be identified as a subagreement or discrete subitem. Multiple subagreements under a project shall not be considered to be segments or phases." See: 40 CFR § 35.2005(B)(49).

The reason the PDA amount is being disputed derives from the fact that there are two (2) different calculation methods permitted by the construction grant regulations, and comparatively, one yields a greater PDA. One method simply applies a single multiplier to the total project cost and generally yields a lesser PDA. In the case of an officially phased or segmented project, however, individual construction components may have different multipliers applied to the building costs of each separate segment, or phase. Since the arrangement of the allowance table provides a multiplier to be used that decreases as the total building cost increases, a greater total PDA would be allowed if several low-cost facilities are built versus one high-cost facility for the same, total, overall, building cost in both cases. It is obvious from reviewing the allowance table that it is designed to adhere to the Act and the regulations: to provide a reasonable allowance, not a dollar-for-dollar reimbursement, for planning and design.

The City of Gastonia specifically disputes the singular calculation method the DDO used: claiming this project was officially phased or segmented. At one point, the grantee claims that construction of the outfall lines was phase 1; while construction of the WWTP was phase 2. But, at yet another point, claims the BCO portion (which, as the name indicates, is an outfall) was a phase 2 project, and thus, should have a *separate* design allowance. To support its claim, the grantee remarks that state and EPA officials treated the BCO portion as a separate project for all phases of construction; in that, each phase was advertised and bid separately. As further evidence, the grantee pointed out that the Management Evaluation Report stated that the entire project construction was to be divided into two major divisions. The grantee observes that officials originally calculated separate allowances for the separate, construction components during the project, and that the project was thoroughly reviewed and no problem was ever noted with the separate, PDA, calculation method. However, City officials stated that the most compelling evidence is that several grant amendments, with different RCCRs for different portions of the project were processed by EPA: the implication being that EPA initially, officially approved the separate calculation method. The City stated its intent to complete both phases as a total project. As the Handbook of Procedures advises, phasing is not prohibited by the regulations, but it is discouraged, because of inherent difficulties. Additionally, the Handbook notes that certain conditions must exist for a project to even be considered for phasing or segmenting. In order for this project to have been officially phased or segmented, specific, required reviews for these conditions would have been conducted, and documented. As mentioned above, the grantee has not been able to provide documentation of the reviews. No project can be officially phased or segmented without first being subjected to the required reviews.

On this project, there were no separate, grant agreements covering discrete segments of construction, as the RA referred to in the City of Topeka decision. Neither the WWTP, Crowders Creek Outfall, nor the BCO were separate "projects"; as they were all constructed under one grant. There was one grant agreement covering the entire scope of the facilities; which was a complete treatment works project. There was no *identified segment* in the project scope, either initially or afterwards by amendment, as required by 40 CFR § 35.930. Simply developing different bid packages and awarding "multiple subagreements" to different contractors, whether the RCCR(s) are the same or not, does not

automatically, or *officially*, divide a project into "segments or phases"; neither does dividing project constructjon into two or more components, or discrete subitems; as prescribed by 40 CFR § 35.2005(b)(49).

Based on the above facts, evidence and criteria, the grantee has failed to provide conclusive evidence that the subject grant was officially phased, or segmented. Consequently, the proper PDA calculation method is the one the DDO used in the FDL dated September 19, 1997.

Affirmative Management Decision:

City officials point out that the State of North Carolina (the delegated state) and EPA R4 officials originally calculated separate PDA(s), for separate phases, during the project. Furthermore, they state that the project was thoroughly reviewed by EPA's Construction Management Evaluation team on March 25-28, 1991, and no problems were noted. The city officials imply that the delegated state and EPA officials made an affirmative management decision, when the PDA(s) were originally calculated separately, and later, upheld that affirmative decision when the Evaluation Team did not note the allowance calculation method as improper.

In the City of Bloomington decision, EPA Docket No. 05-88-AD03 (August 5, 1991), the EPA Assistant Administrator (AA) of Water acknowledged that:

> ARB 13/14 outlined the criteria for determining the existence of an affirmative management decision: that the grantee must demonstrate that a responsible official, acting within the limits of the reviewing agency's managerial discretion, made an affirmative decision consistent with existing nondiscretionary standards, such as EPA regulations and policies. The Region determined that under the criteria for an affirmative management decision, the Corps of Engineers and the delegated State's approval of "reverse" liquidated damages was not an affirmative management decision entitled to any weight or capable of binding EPA, because it was outside the limits of their managerial discretion to ignore the EPA regulation which required the submittal of cost and pricing data.
>
> The EPA has consistently held that if the reviewing agency has affirmatively considered and approved specific cost items during the administration of a grant, EPA will not subsequently disallow such costs during the audit process, unless it determines that the previous approval was outside the limits of the reviewing agency's managerial discretion. Jeanerette, Louisiana, 06-87-AD03 (December 18, 1987); Holdenville, Oklahoma, 06-86-AD02 (December 18, 1986); Jerome, Idaho, I0-85-AD05 (July 31, 1986).
>
> The State's approval of the $34,200 in "reverse" liquidated damages was contrary to EPA regulations...and therefore outside the limits of the State's managerial discretion. Accordingly, the State's approval of the $34,200 did not constitute an affirmative management decision, and was correctly reversed by the Corps of Engineers. Id. at 7.

In the Regional Administrator's Camden County decision, EPA Docket Nos. 02-91-AD14 and 02-92-AD08 (May 29, 1992), it was reaffirmed that actions which breach Federal law, regulations or policies will not be allowed when he wrote:

> Although delegated States have substantial discretion in administering the Construction Grants program, they may not adopt or implement policies that contravene Federal law, regulations or policies. See generally, Town of Cohasset, MA., 01-84-AD06 (decided 06/18/85) and Little Egg Harbor MUA, N.J., 02-90-AD05 (decided 10/04/90). Id. at 15.

The Code of Federal Regulations and Handbook of Procedures make it quite clear that the approvals in question were only administrative in nature, and consequently, do not usurp other requirements of Federal law, regulations and policies. 40 CFR § 35.935-1(a) promulgates that, "[r]eview or approval of project plans and specifications by or for EPA is for administrative purposes only...." Similarly, the [r]review or approval of facilities plans design drawings and specification or other documents by or for EPA is for administrative purposes only ...." See:40 CFR § 35.2050.

Furthermore, the Handbook of Procedures reiterates the guidance by pointing out that the, "[a]pproval or certification of project documents (e.g., facilities plan, plans and specifications, etc.) by the reviewing agency is for administrative purposes only...."

It was inconsistent with existing nondiscretionary standards, since this project was not an officially phased or segmented one, to calculate the PDA in any manner other than the manner the regulations direct; applying one multiplier to one sum of the initial, building costs for the entire project. Deciding to calculate the PDA using different multipliers was not an affirmative management decision entitled to any weight or capable of binding EPA, by virtue of the fact that, ignoring the federal regulation requiring a single multiplier to be used is beyond the scope of EPA and North Carolina officials' managerial discretion.

Estoppel:

The Assistant Administrator pointed out in City of Bloomington, that EPA is not barred from recovering previously approved costs; if, it is subsequently determined that those costs are unallowable. The Assistant Administrator wrote:

> The Supreme Court has consistently refused to apply the doctrine of equitable estoppel to the Federal Government. Office of Personnel Management v. Richmond, 110 S. Ct. 2465, 2476 (1990); Heckler v. Community Health Services, Inc., 467 U.S. 51, 60 (1984); United States v. Kirkpatrick, 22 U.S. 720, 735 (1824). EPA is not estopped from finding costs unallowable after audit, even where costs have previously been approved by a delegated State, the Corps of Engineers, or an EPA Regional Office, and EPA is not estopped from recovering funds for unallowable costs. Id. at 11.

The Assistant Administrator further observed in the City of Bloomington decision, that:

> The approval of plans, specifications, estimates, and contract language by EPA, its delegated State, or the Corps of Engineers does not automatically make all costs allowable for EPA grant participation, since all costs are subject to final audit. EPA has consistently held that costs can be disallowed after approval of plans, specifications, estimates, and contract language. Worcester County Sanitary Commission, Maryland, 03-86-AD27 (September 28, 1989; Assistant Administrator decision issued September 28, 1990); Delafield-Hartland Pollution Control Commission, Wisconsin, 05-88-AD08 (December 28, 1988; Assistant Administrator review

denied October 5, 1989); Village of Holgate, Ohio, 05-86-AD09 (December 31, 1986; Assistant Administrator review denied October 1, 1987).

As the Assistant Administrator pointed out above, EPA is not barred from recovering previously approved costs, if it is subsequently determined that those costs are unallowable. Consequently, in this instance, the grantee cannot successfully argue that EPA cannot now reverse the original, alleged erroneous decision to allow unallowable costs.

Right to Audit:

The Clean Water Act (CWA) dictates in Section 203(a)(2)(B) that:

> Eligibility determinations under this paragraph shall not preclude the Administrator from auditing a project pursuant to section 501 of this Act, or other authority, or from withholding or recovering Federal funds for costs which are found to be unreasonable, unsupported by adequate documentation, or otherwise unallowable under applicable Federal cost principles, ...

Consequently, the Regional Administrator is authorized by the foregoing CWA section, the AA's decision in City of Bloomington, and applicable grant regulations, to not only audit a federally assisted project but, also, to recover unallowable costs, which were previously approved; if that approval did not comply with federal laws, regulations or policies.

Allowance:

In their October 16, 1997, letter, the City specifically disputes the calculation *method* the DDO used to arrive at the PDA for the project. City officials maintain that the allowance should be the sum of allowances calculated for individual components, since each component had a different RCCR.

Section 201(1)(1) of the CWA establishes, in part that:

> ...the Administrator shall make an *allowance*...for non-Federal funds expended during the facility planning and advanced engineering and design phase...based on the percentage of *total project costs*... (Emphasis added)

Section 2189(a) expounds that:

> It is the policy of Congress that a *project* for waste treatment and management...shall be considered as an *overall waste treatment system for waste treatment and management,* and shall be that system which constitutes the most economical and cost-effective combination of devices and systems used in the storage, treatment, recycling, and reclamation of municipal sewage or industrial wastes of a liquid nature to implement section 201 of this Act,...including intercepting sewers, *outfall sewers, sewage collection systems,* pumping power, and other equipment, and their appurtenances; *extension,* improvements, remodeling, additions, and alterations thereof;....(Emphasis added)

For our purposes here, the foregoing two sections of the Act establish three things: 1) an allowance shall be made for planning and design, 2) the amount of the allowance will be a percentage of the total

project costs, and 3) a project is defined as an overall waste treatment system for waste treatment and management.

At the heart of this dispute is a difference of opinion regarding number 1 (an *allowance* versus a *total, cost reimbursement*), number 2 (*allowed amount)*, and number 3 (definition of a *project).* In order to resolve this dispute, we must first define an *allowance*, then a *project*, before we can determine the proper *amount* of the allowance. The officials' confusion lies in their misunderstanding of what the allowance is, and is not, and what a project is, and is not.

ALLOWANCE

An allowance and a reimbursement of the total cost are not the same, or are unequal. "The costs of architectural or engineering services incurred in preparing a facilities plan and the design drawings and specifications for a project," are **unallowable** costs. See: 40 CFR §35.2250, Appendix A-A.2.a., and Handbook of Procedures, 935. 40 CFR § 35.2250 establishes that, "[t]he Regional Administrator will determine the allowable costs of the project based on applicable provisions of laws and regulations, the scope of the approved project ... and Appendix A of this subpart." "...grant agreements will include an *allowance* for facilities planning and design of the project to be determined in accordance with *Appendix B* of this subpart." (Emphasis added) See: 40 CFR § 35.2025(a) Appendix B-3. decrees that:

> The allowance is *not intended to reimburse the grantee for costs actually incurred* for facilities planning or design. Rather, the allowance is intended to assist in defraying those costs. Under this procedure, questions of equity (i.e., reimbursement on a dollar-for-dollar basis) will not be appropriate. (Emphasis added)

Furthermore, in Table 1 - Allowance for Facilities Planning and Design, it is noted that, "[t]he allowance does not reimburse for costs incurred." The Handbook of Procedures echoes the immediately preceding stipulation by noting that, "...an allowance is provided to help off-set planning and/or design costs." Additionally, the Handbook states that in regards to procurement of professional services, "...if this work is classified as facilities planning or design work, it may be defrayed in part by an allowance...." The Handbook also notes that, "[t]he final allowance for planning and/or design is determined only once, and is based on the initial allowable award amount of all prime construction contracts..." Id. at 723.

The Handbook further points out that A&E services, including planning and design, are *unallowable* costs by stating:

> Unallowable costs related to subagreements include the costs of architectural or engineering services or other services incurred in preparing a facilities plan and the design drawings and specifications for a project. Id. at 935.
>
> The cost of these services are part of the work which is intended to be defrayed, in part, by the allowance for facilities planning and/or design. Also, if the engineer has provided services to prepare other documents supporting the grant application (e.g., UC system, SUO, intermunicipal agreements, draft plan of operation, value engineering (VE), etc.), the costs associated with such services are not allowable but again are part of the work which is intended to be defrayed, in part, by the allowance for facilities planning and/or design. Id. at 936.
>
> "The allowance shall be *restricted* to an amount based on a *percentage* of the project's allowable building cost ...." (Emphasis added) See: 40 CFR § 35.2005 (b)(3)

PROJECT

In addition to the definition of a wastewater treatment project found in Section 218(a) of the CWA (mentioned earlier), the Code of Federal Regulations defines what a *project* is at several locations. At 40 CFR §30.200, a project is defined as; "[t]he activities or tasks EPA identifies in the assistance agreement."; at § 35.905 as; "[t]he scope of work for which a grant or grant amendment is awarded under this subpart. The scope of work is defined as step 1, step 2, or step 3 of treatment works construction or segments," and at § 35.2005(b)(32) as, "[t]he activities or tasks the Regional Administrator identified in the grant agreement for which the grantee may expend, obligate or commit funds."

A complete waste treatment system is defined as one which:

> ...consists of all the treatment works necessary to meet the requirements of title III of the Act, involved in: (a) The transport of waste waters from individual homes or buildings to a plant or facility where treatment of the wastewater is accomplished; (b) the treatment of the wastewaters to remove pollutants; and (c) the ultimate disposal, including recycling or reuse, of the treated wastewaters and residues which result from the treatment process. See: 40 CFR § 35.905

§ 35.805-7 more specifically defines treatment works as:

> The various devices used in the treatment of sewage or industrial wastes of a liquid nature, including the necessary intercepting sewers, *outfall sewers* pumping, power, and other equipment, and their appurtenances, and including any *extensions,* improvements, remodeling, additions, and alterations thereof. (Emphasis added)

It is clear, in the instant case, that this *project* was not an officially segmented one, and the scope of the grant agreement is for the entire project; as the grantee admits in the request for review. Which, based on the foregoing definitions, the complete waste water treatment project, in this instance, includes the Brandon Creek Outfall; even though the outfall was added later.

This leaves only one last question: How is the allowance properly calculated?

AMOUNT

As pointed out above, 40 CFR Subpart 35, Appendix B directs how much the allowance will be. At item 4, Appendix B instructs that, "...[t]he amount of the allowance is computed by applying the resulting allowance percentage to the initial allowable building cost."; at item 5, "[t]he initial allowable building cost is the initial allowable cost of erecting...a treatment works"; and at item 7, "[t]he final allowance will be determined one time only for each project, based on the initial allowable building cost, and will not be adjusted for subsequent cost increases or decreases."

The Handbook states that, "[t]he amount of the allowance does not change, even if the actual building costs increase or decrease during the performance of the work. The final allowance is computed in accordance with 40 CFR Part 35, Subpart I, Appendix B." Id. at 724.

The Regional Administrator ruled, in Orange County, EPA Docket No. 04-91-AD03 (September 27, 1993), that, "EPA regulations (effective July 1, 1983) do not allow the grantee to use multiple rates in computing allowances." Id. at 12.; and, "[re]imbursement for design is based on a variable percentage of

eligible costs as detailed in 40 CFR 35 Subpart 1, Appendix B. The percentage decreases as construction costs increase. Id. at 13.

So, in summary, 1) the purpose of an allowance is to assist in defraying, not reimbursing, actual costs, 2) a project is defined by the scope of work contained in the grant agreement (which in this case there was one grant for the entire project), and 3) the allowance amount is a multiple of the initial, allowable, total, project, building cost.

DECISION:

The City of Gastonia has failed to prove conclusively that the project was officially phased, or segmented. An affirmative management decision was not made, nor can be made, to approve a calculation method which would contravene grant regulations. EPA is not estopped from finding costs unallowable, and the Regional Administrator is permitted to recover them.

Therefore, the DDO's calculation of the PDA in the FDL is upheld in full and the City's claim is rejected.

PETITION FOR REVIEW:

This Decision constitutes the Final Agency Action. However, you may file a petition for discretionary review with David P. Ross, Assistant Administrator, Office of Water, USEPA Headquarters, William Jefferson Clinton Building, 1200 Pennsylvania Avenue, N.W., ***Mail Code:*** 4101M, Washington, DC 20460.

The petition must be filed within 30 calendar days of your receipt of this Decision by certified mail, return receipt requested, a copy provided to the undersigned, and must include:

(1) A copy of the Regional Administrator's decision, and
(2) A concise statement of the reasons why you believe the decision is erroneous.

Any questions regarding this matter can be directed to Thomas F. Cooney III, P.E., at 404.562.9881 and Cooney.Thomas@epa.gov.

_____
Onis 'Trey' Glenn III
Regional Administrator

May 21, 2018 - May 27, 2018

May 2018

Su	Mo	Tu	We	Th	Fr	Sa
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June 2018

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Monday, May 21

12:00am Wanda Leave - Hudson, Wanda →

1:00pm - 1:30pm Biweekly Meeting with Directors: Vickie Tellis (SESD) (RA's Small Conference Room) - Glenn, Trey

2:00pm - 3:00pm Senior Staff Meeting (Alm Room) - Cody, Karen

3:00pm - 3:30pm Biweekly Meeting with Directors: Ken Lapierre (RA's Small Conference Room) - Glenn, Trey

3:30pm - 4:00pm Biweekly Meeting with Directors: Leif Palmer (RA's Small Conference Room) - Glenn, Trey

Tuesday, May 22

← **Wanda Leave** - Hudson, Wanda →

11:15am - 11:45am Call re: Daicel. Call-in Number: 1 866-299-3188, Code: (b)(6) [redacted] Bodine, Susan

Wednesday, May 23

← **Wanda Leave** - Hudson, Wanda →

11:15am - 11:30am Meeting: Kentucky Permit (Administrator's Office / Conference Call (for those not here): 866.299.3188; Code: (b)(6) [redacted] Hayley to Initiate: Pin (b) [redacted] - Cody, Karen

2:00pm - 3:00pm Enforcement Discussion-call in 404-562-9997 Code (b)(6) [redacted] (RA back conf room) - Glenn, Trey

6:45pm - 8:30pm OECA Visit to Region 4 ~ Dinner (190 Marietta Street Atlanta Georgia 30303 (enter from the street or inside th CNN Center)) - Glenn, Trey

Thursday, May 24

← **Wanda Leave** - Hudson, Wanda →

OECA AA Visit to Region 4 (9D and 9E) - Glenn, Trey

8:15am - 9:00am OECA Visit: Meeting with RA & DRA (RA's Conference Room) - Glenn, Trey

11:00am - 12:00pm OECA Visit: All Hands Meeting with OECA Honor Awards Presentation (Conference Room 9D and 9E)

12:00pm - 1:00pm OECA Visit: Working Lunch with Senior Managers (RA's Conference Room) - Glenn, Trey

2:00pm - 3:00pm Grenada Briefing (RA's Conference Room Call in (404) 562-9997 Code (b)(6) [redacted] - Glenn, Trey

Friday, May 25

← **12:00am Wanda Leave** - Hudson, Wanda

Saturday, May 26

Sunday, May 27

Draft Agenda for 2018 OECA AA/PDAA/DAA Visit to Region 4

Deliberative Process – Exemption 5 Withhold

May 28, 2018 - June 3, 2018

May 2018

Su	Mo	Tu	We	Th	Fr	Sa
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June 2018

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Monday, May 28

Memorial Day

12:00pm - 12:30pm Biweekly Meeting with Directors: Beverly Banister (RA's Small Conference Room) - Glenn, Trey

2:00pm - 3:00pm Senior Staff Meeting (Alm Room) - Cody, Karen

3:30pm - 4:00pm Biweekly Meeting with Director: Franklin Hill (RA's Small Conference) - Glenn, Trey

Tuesday, May 29

Mississippi Compliance Meeting (Jackson, MS) - Glenn, Trey

1:00pm - 5:00pm Mississippi State Compliance Assurance Meeting (515 E Amite St, Jackson, MS 39201) - Hudson, Wanda

3:15pm - 4:30pm Environmental Justice and Community Revitalization Council (EJCRC) (WJCN5530 and VTC; 202-991-0477, code [redacted] - Tejada, Matthew

Wednesday, May 30

SF Site Tour/Meeting with Elected Officials (Grenada, MS) - Glenn, Trey

9:30am - 10:15am Meet with Joey Songy (550 High Street Jackson, MS 39205) - Glenn, Trey

12:30pm - 4:30pm Grenada Tour and Meeting - Glenn, Trey

Thursday, May 31

Farmer to Farmer Press Event (Clarksdale, MS) - Hudson, Wanda

9:00am - 9:30am South Carolina Chamber of Commerce Environmental Technical Committee (ETC) Monthly Meeting (Nelson Mullins 1320 Main Street, 17th Floor, Columbia, SC 29201)

10:00am - 2:30pm South Carolina State Compliance Assurance Meeting (2600 Bull Street, Columbia, SC 29201) - Glenn, Trey

10:30am - 11:30am Business Roundtable - Glenn, Trey

1:30pm - 3:45pm Farm to Farm Press Event - Glenn, Trey

Friday, June 1

Saturday, June 2

Sunday, June 3

ENVIRONMENTAL JUSTICE AND LEAD (Pb)

Discussion Paper for the Environmental Justice and Community Revitalization Council

BUILD ON PAST WORK

EPA has a long history of integrating environmental justice (EJ) into our work. We have demonstrated meaningful and measurable environmental and public health outcomes in minority, low-income, tribal and indigenous communities (areas of EJ concern). The following examples, as well as many others, provide lessons for future work.

- **Boston:** Multiple joint targeting efforts reduced the number of new childhood lead poisoning cases from 1,123 cases in 2001 to 163 cases in 2010.
- **Omaha Lead Superfund Site:** The percentage of children with elevated blood lead levels in the 27-square mile area (over 175,000 persons) around the site decreased from 25% in 1999 to 0.3% in 2017.
- **Region 9:** 38 of the 44 small public water systems that exceeded the lead action level in August 2016 were brought into compliance by the end of FY2017.

CONTINUE THIS WORK THROUGH REGIONAL LEAD ACTION PLANS

All EPA Regions will implement the National Lead Strategy through Regional Lead Action Plans. They should integrate environmental justice into this work in a manner that helps EPA work with partners to achieve shared goals of advancing EJ, improving public health, and revitalizing communities. Many Regions are already working on this integration, as well as on the processes and partnerships needed to support the work. Regional experience, networks and approaches can inform the National Lead Coordinator in developing a national strategic framework that integrates EJ and community revitalization. Key themes identified by Regions include:

1. **Focus on Tangible and Measurable Results:** We should focus our efforts on places where we can effectively contribute to meaningful and measurable environmental and public health outcomes in more efficient and robust ways through all appropriate media programs. Regions should be encouraged to consider this important factor when selecting the Administrator's initial ten areas for focused action on lead as well as for other initiatives.

2. **Targeting for High Risk Populations:** Scientific consensus exists that race, poverty and age of housing are the most critical indicators consistently highly predictive for lead exposure nationally. Consistent with environmental justice screening approaches, we will also consider cumulative impacts from multiple media in targeting for lead risk. Work with federal agencies, states and local government is essential for obtaining data needed for identifying hotspots for action and developing lead targeting tools useful for EPA programs and external partners. Over time, we should integrate existing targeting and modeling efforts (e.g., Region 5, OCSPP, ORD) to develop a OneEPA lead targeting tool, building on existing platforms such as EJSCREEN. Targeting takes place on a program-specific basis, within Regions and on a community scale.

3. **States and Cooperative Federalism:** Addressing lead exposure in a multi-media, multi-agency fashion is an ideal opportunity to practice a holistic approach to cooperative federalism that integrates public health and environmental programs across federal agencies, states, local governments, tribes and communities at both the vertical and horizontal levels. Our strategy will use states as a starting point, as they are critical to advancing our EJ mission and overall environmental governance. Initial engagement with states has surfaced working together to target areas of high risk with both federal and local data, joint planning and governance in development of EPA Regional lead action plans, and identification of areas for joint priority action as key issues. Every Region should engage in a proactive state engagement strategy that draws on a collective vision of best practices for engaging states and supports joint planning and shared governance of projects.

4. **Community-Driven Work:** Community-driven work is an incredibly robust and vital area that can be tied to our holistic approach to cooperative federalism. It enables proactive leadership from community groups, academia, philanthropies and other civil society groups. Every truly successful solution around lead has a strong community leadership element. EPA resources can include citizen science, EJ and other grants, technical assistance, and other resources – all taking lessons from lead successes such as Boston, MA, Omaha, NE, and Newburgh, NY. This work provides opportunities to promote innovative approaches to address lead through healthy homes, job training and creation, sustainable materials reuse and health care mechanisms. Attention should be given to a variety of contexts – including urban, rural and tribal.

5. **Communications and Engagement with Populations of Concern:** EPA will work to support the Federal Lead Strategy's outreach and communications goal through engagement with tribes and indigenous populations, key community-based projects, EJ organizations and stakeholder groups. One example is groups addressing retail outlets with products of high lead content that disproportionately impact minority and low-income populations.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

FEB 23 2018

OFFICE OF POLICY

MEMORANDUM

SUBJECT: EPA's Environmental Justice and Community Revitalization Priorities

FROM: Samantha Dravis
Associate Administrator, Office of Policy

TO: Assistant Administrators
Deputy Assistant Administrators
Regional Administrators
Deputy Regional Administrators

This past October marked the twenty-fifth anniversary of the creation of the Office of Environmental Justice (OEJ), a testament to the Environmental Protection Agency's (EPA) commitment to addressing the environmental and public health concerns of minority, low-income, and tribal and indigenous communities. EPA's dedication to furthering environmental justice (EJ) remains strong, and we look forward to sharing our forthcoming annual EJ report to highlight the progress we made during 2017. Throughout the decades, EPA has been committed to ensuring that all Americans see the full benefit of environmental protection and have a voice in our work and decisions. This is as true today – with Administrator Pruitt's emphasis on cleaning up Superfund sites and aggressively attacking exposure to lead – as it was when E.O. 12898 on Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations first delivered the mandate to integrate EJ throughout the federal government.

The move of OEJ into the Office of Policy (OP) is a reaffirmation of Administrator Pruitt's commitment to the mission and goals of the Agency's EJ program – to engage with and meet the needs of our nation's most vulnerable communities as they relate to disproportionate environmental impacts, health disparities, and economic distress. Elevating OEJ into OP will strengthen and complement our EJ work with the activities of many other offices, enabling EPA to provide better support to communities as we work to improve health, protect the environment and grow local economies for all people. The following goals align with the priorities identified in the Agency's FY 2018-2022 EPA Strategic Plan and build upon EPA's long history of progress in advancing EJ.

In support of our core mission of improving air quality, providing for clean and safe water, revitalizing land and preventing contamination, we will . . .

1. Achieve measurable environmental outcomes for underserved and overburdened communities in the areas of exposure to lead, access to safe drinking water, reduction of harmful air pollutants and limiting exposure to contamination from hazardous wastes.

2. Advance a more systematic approach to ensuring stronger consideration of vulnerable groups and communities in decisions through EPA's rulemaking, permitting, compliance and enforcement, and emergency response and recovery programs. This work will include development of guidelines and measures for training, implementation and use of EJ tools, resources and guidance (e.g. EJSCREEN, EJ Technical Guidance and Action Development Process Guidance, EJ and permitting framework, etc.). This approach should also ensure greater understanding of EJ by starting with community involvement and carrying through to recovery, redevelopment and revitalization, especially in EPA's place-based programs.

In the spirit of cooperative federalism, we will . . .

3. Strengthen the ability of our partner agencies to integrate EJ in their work through enhanced coordination and collaboration with states, tribes and local governments to address EJ concerns.
4. Invigorate partnerships with federal agencies to enhance interagency efforts to respond to the needs of vulnerable communities by leveraging existing resources to address EJ issues through the Federal Interagency Working Group on Environmental Justice.
5. Request the National Environmental Justice Advisory Council (NEJAC) engage with communities across the United States in each region to bring their concerns to the attention of the Administrator by the time of the NEJAC's first full in-person meeting in calendar year 2018.

In support of the rule of law and fair process, we will . . .

6. Improve EPA science to better understand the needs of underserved and overburdened communities, focusing on environmental problems where they are most acute for low-income, minority and tribal/indigenous populations, with an emphasis on public participation to identify solutions.
7. Champion the implementation of "*Promising Practices for Environmental Justice Methodologies in NEPA Reviews*" by encouraging its use across the federal family, engaging early to provide technical assistance to our federal partners, and by serving as a Cooperating Agency to promote a more effective, efficient, and consistent consideration of EJ on all federal projects.
8. Enhance coordination between the EJ and civil rights programs.

Finally, I am calling on every EPA Region, with support of the national programs, to identify those communities that would benefit from a coordinated approach to address EJ challenges. We will do this by strategically leveraging EPA's resources to enhance the capacity of communities to address their challenges through local innovation and to create conditions that support well-being, health and economic revitalization. In support of this initiative, we will . . .

9. Provide communities with access to the training, capacity building and technical assistance necessary to meaningfully engage in EPA's decision-making processes and to help develop and implement locally-led, community-driven solutions.
10. Expand support for communities through EPA programs, such as EJ Grants, Urban Waters, Brownfields and Area Wide Planning, and Building Blocks for Community Revitalization.
11. Elevate the role of EJ in place-based work and in fostering collaborations with multiple stakeholders, such as through port community pilot projects, brownfields to healthfields, and community revitalization planning assistance, especially in EPA's focus communities.
12. Commit to better alignment of our own programs and those of our federal partners to ensure that locally-led, community-driven solutions are supported and valued.

In the next month, OP is launching a convening of senior leadership through an Environmental Justice and Community Revitalization Council (formerly the EJ Council), which will provide leadership

through OEJ and the Office of Community Revitalization (OCR) for EPA's community-based work and where these strategic directions will be further discussed and implemented in alignment with EPA's new strategic plan. We are all proud of EPA's progress in pursuit of EJ over the past twenty-five years. Today, more people and communities have the protection and access to resources that we want all communities in our country to enjoy. We have cemented EJ as not just an ideal to be achieved. It is a deeply rooted commitment that helps us better achieve our mission to protect the environment and public health through collaboration, cooperative federalism and meaningful engagement. I look forward to working with all of you to carry on this critical work.

STATES AND COOPERATIVE FEDERALISM

Discussion Paper for the Environmental Justice and Community Revitalization Council

Environmental justice (EJ) and community revitalization are powerful ways to advance cooperative federalism. Subsidiarity is a principle that focuses holistically on all levels of government to protect the public's well-being. This calls for "solving problems at the local level and empowering individuals, families and voluntary associations to act more efficaciously in their own lives."[1] EJ and community revitalization have long sought collaborative problem-solving and local empowerment. By re-envisioning how EPA and states do this work together, we can build our collective ability to foster healthy and vibrant communities where "environmental protection and economic prosperity go hand-in-hand."[2]

Many members of the Environmental Justice and Community Revitalization Council (EJCRC) have extensive experience with states, local governments and tribes, and your insights and wisdom will help us to apply this principle. The following set of strategies and actions provides a starting point, recognizing that building more effective strategies will be an iterative process. Alexandra Dunn, Region 1 Administrator and former Executive Director of the Environmental Council of the States (ECOS), has graciously agreed to lead an EJCRC workgroup on states and cooperative federalism to help steer this process.

LEAD (Pb) AS A STARTING FOCUS

The lead priority provides an ideal context as we kick off the EJCRC's work on states and cooperative federalism. Working together on this priority, EPA and states can systematically build relationships around results-oriented action to produce results in the most vulnerable and disproportionately impacted communities. Building from the Discussion Paper on EJ and Lead (Pb), areas where we can build shared understanding and experience with states include:

- **Targeting:**
  - Identifying areas for priority attention and joint work;
  - Sharing data and tools at federal, state and local levels (including health and environmental agencies).
- **Joint Planning and Shared Governance:**
  - Engaging states as partners in developing and implementing Regional Lead Action Plans;
  - Building on lessons from experience such as E-Enterprise for the Environment.
- **Tangible and Measurable Results:**
  - Making this an important consideration when engaging states on identifying areas for work, such as Administrator's 10 initial places for action;
  - Drawing on lessons from efforts like CalEPA's community-focused enforcement initiative.
- **Community-Driven Solutions:**
  - Engaging states to convene local governments and partnerships to reduce lead exposure (e.g., citizen science, Healthy Homes Initiatives, etc.);
  - Engaging states in innovative community revitalization efforts that are catalyzed by local lead reduction efforts.

By modeling ways to better engaging states on EJ and community revitalization through the Lead Priority, we can learn lessons that can be applied to other priority areas.

OTHER MAJOR AREAS

- **Training:** States have sought training in areas related to EJ, including community engagement and collaborative problem solving, EJSCREEN, EJ analysis for enforcement, permitting and rules, and NEPA/SEQA processes. Potential actions include: (1) Consult states on EJ training needs; (2) Develop state training based on OEJ training strategy; and (3) Regions should adapt Region 1's recent EJ Training for Rhode Island where appropriate.
- **Dissemination of Best Practices:** ECOS has long advocated sharing of best practices for EJ (e.g., ECOS Green Report on community engagement, equity and permitting). Potential actions include: Utilize State EJ Coordinators calls to disseminate best practices such as California's EJ and planning initiative and community focused air toxics programs, and Minnesota's cumulative risk assessment for air permits.
- **Collaborative Engagement with Communities:** Potential actions include: Build on models such as Region 6's upcoming EJ Summit involving all its states or Region 9's grantee conference involving the Region, CalEPA and the Bay Area Air Management District (all EJ grant providers).

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[1] Robert K. Vischer, "Subsidiarity as a Principle of Governance: Beyond Devolution," 35 Indiana L. Rev. 103 (2001)
[2] ECOS, Cooperative Federalism 2.0

Environmental Justice and Community Revitalization Council (EJCRC)
Agenda
May 29, 2018
WJCN 5530

1. **Introductions** (10 minutes)

2. **Leadership of Agency's Environmental Justice and Community Revitalization Work** (15 minutes, led by Brittany Bolen)

3. **Integration of EJ and community work into lead and other EPA priorities** (15 minutes, Hayley Hughes and Charles Lee)
   Q&A response

4. **EJ and states/cooperative federalism** (15 minutes, Alex Dunn)
   Q&A response

5. **Community-Driven Solutions Initiative** (15 minutes, Matt Dalbey and Matt Tejada)
   Q&A response

6. **Overview of Next Steps** (5 minutes)

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EPA's Community-Driven Approach

Last Updated: May 18, 2018 – Pre-Decisional Exemption 5 Withhold

EVENT INFORMATION SHEET

CAVEAT: If Mr. Glenn is summoned to go to headquarters on the day of the event, he will go. We will try our best to provide you with a substitute speaker from EPA.

EVENT:	Farmer to Farmer Press Event
INVITATION BY:	LaKeshia Robertson on behalf of Ben Scaggs
DATE:	Early May (Mr. Glenn's availability will establish the event date).
TIME:	10:00 a.m. (Mr. Glenn's availability will establish the event time).
LOCATION: **(include street address)**	Jones Park in Gulfport, MS tentative location
INTRODUCTION BY:	Ben Scaggs
INTENDED SPEECH SUBJECT:	Farmer to Farmer awardee acknowledgments and benefits of projects to improving water quality.
INTENDED LENGTH OF SPEECH:	Five to seven minutes.
AUDIENCE/ATTENDEES: **(Please include a separate list of all known attendees, especially those who work for a company or organization. List name, position, and company/organization)**	
SPECIAL ATTENDEES: **(Please list)**	See list of special attendees to be invited.
PRESS/MEDIA (open or closed press?)	Open
EVENT POC (AND TELEPHONE/CELL #): Internal EPA: EPA SPEECH POC: EPA SUBJECT POC: STAFF PERSON ACCOMPANYING RA:	LaKeshia Robertson, 228-679-5910/228-342-8046
BACKGROUND/COMMENTS:	GMP attached the Farmer to Farmer Request for Proposals and the scope of work of each project selected for funding.

REGISTRATION INFORMATION/LOCATION/CCOST:	N/A
DRESS:	Business Casual
COMMENTS:	
ARE YOU A REGISTERED FEDERAL LOBBYIST?	

Special Attendees (to be invited):

1. Senator Roger Wicker
2. Congressman Steven Palazzo
3. Bill Northey Undersecretary for Farm Production and Conservation
4. Anne L. Idsal, Regional Administrator, R6
5. Jim Gulliford, Regional Administrator, R7
6. Jeff Sands, Agricultural Adviser to Administrator Scott Pruitt
7. Mayor Billy Hewes, City of Gulfport
8. Dr. Rodney D. Bennett, President, University of Southern Mississippi
9. Dr. Steve Miller, Vice President, Gulf Park Campus, University of Southern Mississippi
10. Dr. William M. Graham, Director, Gulf Coast Research Laboratory and School of Ocean Science & Technology, University of Southern Mississippi
11. Chris Snyder, Director, Marine Education Center, University of Southern Mississippi
12. Governor Phil Bryant, Mississippi
13. Gary Rikard, Executive Director, Mississippi Department of Environmental Quality
14. Joe Spraggins, Executive Director, Mississippi Department of Marine Resoureces
15. Judy Steckler, Executive Director, Land Trust for the Mississippi Coastal Plain
16. Mike Naig, Secretary, Iowa Department of Agriculture and Land Stewardship
17. Trey Cooke, Executive Director, Delta F.A.R. M.
18. Dr. LaDon Swann, Director, MS/AL Sea Grant

AGENCY: **ENVIRONMENTAL PROTECTION AGENCY (EPA)**

TITLE: **Gulf of Mexico Program Farmer to Farmer Cooperative Agreements**

ACTION: **Request for Proposals (RFP)**

RFP NUMBER: **EPA-GM-2017-FARMER**

CATALOG OF FEDERAL DOMESTIC ASSISTANCE (CFDA) NO: 66.475

DATES: Proposal packages must be submitted electronically to EPA through Grants.gov (http://www.grants.gov) no later than September 22th at 11:59 EDT in order to be considered for funding.

SUMMARY: This notice announces the availability of funds and solicits proposals to improve water quality, habitat and environmental education through the demonstration of improved crop or land management involving new, novel, or experimental technologies, methods, approaches or techniques. The project is designed to support farmer-led organizations in the Mississippi River watershed.

FUNDING/AWARDS: The total estimated funding for this competitive opportunity is approximately $2 million. EPA anticipates awarding two grants from this announcement, subject to availability of funds.

Tentative Timeline

August 10th	RFP Posted
August 24th	Initial Q&A posted at https://www.epa.gov/gmpo/. Please submit questions to GMP-RFP@epa.gov. Q&A will be updated weekly with new questions received.
September 22nd	Proposals Due to the Gulf of Mexico Program at 11:59pm EDT
October 31st	EPA Issues Notice of Tentative Award
January 26th	EPA Funds Approved Application Package

The above lines (other than the proposal submission date) are anticipated dates and subject to change.

CONTENTS BY SECTION

I. **Funding Opportunity Description**
II. **Award Information**
III. **Eligibility Information**
IV. **Proposal and Submission Information**
V. **Proposal Review Information**
VI. **Award Administration Information**
VII. **Agency Contacts**

I. FUNDING OPPORTUNITY DESCRIPTION

A. Background

The Gulf of Mexico Program (GMP) is a non-regulatory program of the U.S. Environmental Protection Agency (EPA) founded to facilitate collaborative actions to protect, maintain, and restore the health and productivity of the Gulf of Mexico in ways consistent with the economic well-being of the Region. To carry out its mission, GMP continues to maintain and expand partnerships with State and Federal agencies, federally recognized tribes, local governments and authorities, academia, regional business and industry, agricultural and environmental organizations, and individual citizens and communities. For more information, please see https://www.epa.gov/gulfofmexico.

B. Scope of Work

EPA will award funds to improve water quality, habitat and environmental education in the Mississippi River Basin. This project will support farmer-led organizations with a proven track record of implementing demonstration projects through outreach with area farmers and obtaining measureable results, including improved water quality and/or an increase in farmer to farmer education and outreach. Demonstration projects must entail novel or innovative techniques, methods, or approaches that should collect data on the results of each approach and provide results to the landowner to inform future farming decisions and to better understand (or ground truth) how different management practices affect water quality and quantity, yields and farming costs. Applicants will be asked to demonstrate how these funds will be leveraged to improve the reach of the project. This project will be considered successful if farmers demonstrate and inspire other farmers to implement similar management changes. Applicants should demonstrate a successful history of working with farmers to implement novel or innovative demonstration projects with results.

The project must also include at least one of the following outputs:

Water Quality Improvement:

- The project must demonstrate a minimum of 5% improvement in at least one water quality parameter in a water body and/or segment by the end of the project period as compared to the initial baseline. Examples of water quality parameters that could be demonstrated in a water quality improvement project include but are not limited to: dissolved oxygen, pH, turbidity, bacteria, nutrients, temperature, and garbage/trash (e.g. trash traps; cleanups coupled with prevention outreach; implementing creative prevention methods).

Protect, Enhance or Restore Habitat

- Identify the expected number of habitat acres that will be enhanced, restored and/or protected and provide a report at the end of project period of the actual number of acres enhanced, restored, and/or protected.

Only projects that take place in HUC 07 (Upper Mississippi) and HUC 08 (Lower Mississippi) will be considered. The agency intends to fund one project in the Upper Mississippi (HUC 07) and one in the Lower Mississippi (HUC 08).
Please also identify the six-digit or eight-digit Hydrologic Unit Code(s) (HUC) in which activities will occur.

C. EPA Strategic Plan Linkage & Anticipated Outcomes, Outputs & Performance Measures
Pursuant to Section 6a of EPA Order 5700.7, "Environmental Results under EPA Assistance Agreements," EPA must link proposed assistance agreements to the Agency's Strategic Plan. EPA also requires that grant applicants and recipients adequately describe environmental outputs and outcomes to be achieved under assistance agreements (see EPA Order 5700.7, Environmental Results under Assistance Agreements, http://www.epa.gov/ogd/grants/award/5700.7.pdf).

1. Linkage to EPA Strategic Plan. All proposals must support progress towards the following EPA 2014-2018 Strategic Plan Goals:

a) Goal 2: Protecting America's Waters. "Objective 2.2: Protect and Restore Watersheds and Aquatic Ecosystems," which states "protect, restore, and sustain the quality of rivers, lakes, streams, and wetlands on a watershed basis, and sustainably manage and protect coastal and ocean resources and ecosystems."

b) Cross Agency Strategy: Working Toward a Sustainable Future, which states, "expand the conversation on environmentalism by engaging and empowering stakeholders, including groups with which EPA has not traditionally worked, using multiple forms of outreach, collaboration, and information."

Please read EPA's FY 2014-2018 Strategic Plan for more information.

Outputs. The term "output" means an environmental activity, effort, and/or associated work product related to an environmental goal and objective that will be produced or provided over a period of time or by a specified date. Outputs may be quantitative or qualitative but must be measurable during an assistance agreement funding period. **Progress reports and a final report will also be a required output for every project, as specified in Section VI(C) of this announcement, "Reporting Requirement."** The project must include at least one of the outputs stated in Section IB, above.

Additionally, the project must account for the number of expected audiences and/or individuals to be served. The recipient must track and report the actual number of individuals reached and method applied.

2. **Outcomes.** The term "outcome" means the result, effect or consequence that will occur from carrying out an environmental program or activity that is related to an environmental or programmatic goal or objective. Outcomes may be qualitative and environmental, behavioral, health-related, or programmatic in nature, but must also be quantitative.

3. Additional information regarding EPA's definition of environmental results in terms of "outputs" and "outcomes" can be found at: https://www.epa.gov/grants/linking-assistance-agreements-environmental-results. For a logic model of environmental outputs and outcomes, please see the following: https://www.epa.gov/sites/production/files/documents/draft-envresults-forsfbaywebsite-revisedszdrfinal.pdf.

4. **Project Performance.** During preparation of the proposal, the applicant should consider the following questions in order to develop output and/or outcome measures which document project results:

i) What are the measureable short term and longer term results that the project will achieve?

ii) How will the applicant measure progress in achieving the expected and measureable results?

D. Supplementary Information.

The statutory authority for this action is the Clean Water Act, §104(b)(3), which authorizes the award of cooperative agreements to conduct and promote the coordination and acceleration of research, investigations, experiments, training, demonstrations, surveys and studies relating to the causes, effects, extent, prevention, reduction, and elimination of pollution. Demonstrations must involve new or experimental technologies, methods, or approaches, where the results of the project will be disseminated so that others can benefit from the knowledge gained in the demonstration project. A project that is accomplished through the performance of routine, traditional, or established practices, or a project that is simply intended to carry out a task rather than transfer information or advance the state of knowledge, however worthwhile the project might be, is not a demonstration.

II. AWARD INFORMATION

A. What is the amount of funding available?

The total estimated funding expected to be available for awards under this competitive funding opportunity is approximately $2.0 million.

B. How many agreements will EPA award in this competition?

EPA anticipates awarding two grants under this announcement, with each award being no more than $1,000,000 subject to the availability of funds, quality of evaluated proposals, and other applicable considerations.

In addition, EPA reserves the right to make additional awards under this announcement, consistent with Agency policy, if additional funding becomes available after the original selections. Any additional selections for awards will be made no later than six months from the date of the original selections.

C. Partial Funding

In appropriate circumstances, EPA reserves the right to partially fund proposals by funding discrete portions or phases of proposed projects. If EPA decides to partially fund a proposal, it will do so in a manner that does not prejudice any applicant or affect the basis upon which the proposal was evaluated and selected for award and therefore maintains the integrity of the competition and selection process.

D. What is the project period for awards resulting from this solicitation?

The estimated project period for awards resulting from this solicitation will begin in Calendar Year 2018. Proposed project periods may be up to three years.

E. Funding Type

The funding for selected projects will be in the form of a cooperative agreement. Cooperative agreements permit substantial involvement between the EPA Project Officer and the selected applicants in the performance of the work supported. Although EPA will negotiate precise terms and conditions relating to substantial involvement as part of the award process, the anticipated substantial Federal involvement for this project will be:

- close monitoring of the successful applicant's performance to verify the results proposed by the applicant;
- collaboration during performance of the scope of work;
- in accordance with 2 CFR 317 and 2 CFR 318, review of proposed procurement;
- approving qualifications of key personnel (EPA will not select employees or contractors employed by the award recipient);
- review and comment on reports prepared under the cooperative agreement (the final decision on the content of reports rests with the recipient).

III. ELIGIBILITY INFORMATION

A. Eligible Entities

The following entities are eligible to apply for funding under this announcement unless restricted by the authorizing statute(s); State and local governments, interstate agencies, Tribes, colleges and universities, and other public or non-profit organizations.

Non-profit organization, as defined by 2 CFR Part 200, means any corporation, trust, association, cooperative or other organization that: (1) is operated primarily for scientific, educational, service, charitable or similar purposes in the public interest; (2) is not organized primarily for profit; and (3) uses its net proceeds to maintain, improve and/or expand its operations. Note that 2 CFR Part 200 specifically excludes the following types of organizations from the definition of "non-profit organization" because they are separately defined in the regulation: (i) institutions of higher education; and (ii) state, local and federally-recognized Indian tribal governments. While not considered to be a "non-profit organization(s)" as defined by 2 CFR Part 200, Institutions of Higher Education and state, local and federally-recognized Indian tribal governments are, nevertheless, eligible to submit applications under this RFA. Hospitals operated by state, tribal, or local governments or that meet the definition of nonprofit at 2 CFR 200.70 are also eligible to apply. For-profit colleges, universities, trade schools, and hospitals are ineligible.

For-profit organizations are not an eligible entity for this funding opportunity. Additionally, non-profit organizations described in Section 501(c)(4) of the Internal Revenue Code that engage in lobbying activities as defined in Section 3 of the Lobbying Disclosure Act of 1995 are not eligible to apply.

B. Cost Sharing or Matching

No matching funds are required under this competition. Although cost-sharing/matching is not required as a condition of eligibility under this competition, under Section V of this announcement EPA will evaluate proposals based on a leveraging criterion.

Leveraging is generally when an applicant proposes to provide its own additional funds/resources or those from third party sources to support or complement the project they are awarded under the competition which are above and beyond the EPA grant funds awarded. Any leveraged funds/resources, and their source, must be identified in the proposal (See Section IV of the announcement). Leveraged funds and resources may take various forms as noted below.

--*Voluntary cost share is a form of leveraging.* Voluntary cost sharing is when an applicant voluntarily proposes to legally commit to provide costs or contributions to support the project when a cost share is not required. Applicants who propose to use a voluntary cost share must include the costs or contributions for the voluntary cost share in the project budget on the SF-424. If an applicant proposes a voluntary cost share, the following apply:

- A voluntary cost share is subject to the match provisions in the grant regulations (2 CFR 200.306).
- A voluntary cost share may only be met with eligible and allowable costs.

- The recipient may not use other sources of federal funds to meet a voluntary cost share unless the statute authorizing the other federal funding provides that the federal funds may be used to meet a cost share requirement on a federal grant.
- The recipient is legally obligated to meet any proposed voluntary cost share that is included in the approved project budget. If the proposed voluntary cost share does not materialize during grant performance, then EPA may reconsider the legitimacy of the award and/or take other appropriate action as authorized by 2 CFR 200.

--*Other leveraged funding/resources that are not identified as a voluntary cost share.* This form of leveraging may be met by funding from another federal grant, from an applicant's own resources, or resources from other third party sources. This form of leveraging should not be included in the budget and the costs need not be eligible and allowable project costs under the EPA assistance agreement. While this form of leveraging should not be included in the budget, the grant workplan should include a statement indicating that the applicant is expected to produce the proposed leveraging consistent with the terms of the announcement and the applicant's proposal. If applicants propose to provide this form of leveraging, EPA expects them to make the effort to secure the leveraged resources described in their proposals. If the proposed leveraging does not materialize during grant performance, then EPA may reconsider the legitimacy of the award and/or take other appropriate action as authorized by 2 CFR Parts 200 or 1500.

C. Threshold Eligibility Criteria

These are requirements that if not met by the time of proposal submission will result in elimination of the proposal from consideration for funding. Only proposals from eligible entities (see above) that meet all of these criteria will be evaluated against the ranking factors in Section V of this announcement. Applicants deemed ineligible for funding consideration as a result of the threshold eligibility review will be notified within 15 calendar days of the ineligibility determination.

1. **Substantial Compliance:** Proposals must substantially comply with the proposal submission instructions and requirements set forth in Section IV of this announcement or else they will be rejected. However, where a page limit is expressed in Section IV with respect to the narrative proposal, pages in excess of the page limitation will not be reviewed.

2. **Proposal Submission:** In addition, proposals must be submitted through Grants.gov as stated in Section IV of this announcement (except in the limited circumstances where another mode of submission is specifically allowed for as explained in Section IV) on or before the proposal submission deadline published in Section IV of this announcement. Applicants are responsible for following the submission instructions in Section IV of this announcement to ensure that their proposal is timely submitted.

3. **EPA Strategic Plan:** Proposals must support the EPA Strategic Goals identified in Section I.C.

4. **Program Relevance:** Proposals must provide farmer to farmer novel or innovative demonstration and education to be considered.

5. **Program outputs:** Proposals must demonstrate how the project meets at least one of the outputs in Section I.B. If the project does not address at least one of the outputs listed in I.B. it will not be considered.

6. **Geographic Location:** Proposals must only include projects carried out in either HUC 07 or HUC 08, as identified in Section 1.B. Proposals that include projects outside of HUC 07 or 08, or include projects in both HUCs, will not be considered. Applicants that wish to apply for projects in both HUCs must submit separate proposals for each HUC.

IV. PROPOSAL AND SUBMISSION INFORMATION

A. Requirement to Submit Through Grants.gov and Limited Exception Procedures

Applicants, except as noted below, must apply electronically through Grants.gov under this funding opportunity based on the grants.gov instructions in this announcement. If an applicant does not have the technical capability to apply electronically through grants.gov because of limited or no internet access which prevents them from being able to upload the required application materials to Grants.gov, the applicant must contact OGDWaivers@epa.gov or the address listed below in writing (e.g., by hard copy, email) *at least 15 calendar days prior to the submission deadline under this announcement* to request approval to submit their application materials through an alternate method.

Mailing Address:
OGD Waivers
c/o Barbara Perkins
USEPA Headquarters
William Jefferson Clinton Building
1200 Pennsylvania Ave., N. W.
Mail Code: 3903R
Washington, DC 20460

Courier Address:
OGD Waivers
c/o Barbara Perkins
Ronald Reagan Building
1300 Pennsylvania Ave., N.W.
Rm # 51267
Washington, DC 20004

In the request, the applicant must include the following information:

- Funding Opportunity Number (FON)
- Organization Name and DUNS
- Organization's Contact Information (email address and phone number)
- Explanation of how they lack the technical capability to apply electronically through Grants.gov because of 1) limited internet access or 2) no internet access which prevents them from being able to upload the required application materials through Grants.gov.

EPA will only consider alternate submission exception requests based on the two reasons stated above and will timely respond to the request -- all other requests will be denied. If an alternate submission method is approved, the applicant will receive documentation of this approval and further instructions on how to apply under this announcement. Applicants will be required to submit the documentation of approval with any initial application submitted under the alternative method. In addition, any submittal through an alternative method must comply with all applicable requirements and deadlines in the announcement including the submission deadline and requirements regarding proposal content and page limits (although the documentation of approval of an alternate submission method will not count against any page limits).

If an exception is granted, it is valid for submissions to EPA for the remainder of the entire calendar year in which the exception was approved and can be used to justify alternative submission methods for application submissions made through December 31 of the calendar year in which the exception was approved (e.g., if the exception was approved on March 1, 2017, it is valid for any competitive or non-competitive application submission to EPA through December 31, 2017). Applicants need only request an exception once in a calendar year and all exceptions will expire on December 31 of that calendar year. Applicants must request a new exception from required electronic submission through Grants.gov for submissions for any succeeding calendar year. For example, if there is a competitive opportunity issued on December 1, 2017 with a submission deadline of January 15, 2018, the applicant would need a new exception to submit through alternative methods beginning January 1, 2018.

Please note that the process described in this section is only for requesting alternate submission methods. All other inquiries about this announcement must be directed to the Agency Contact listed in Section VII of the announcement. **Queries or requests submitted to the email address identified above for any reason other than to request an alternate submission method will not be acknowledged or answered.**

B. Submission Instructions

The electronic submission of your application must be made by an official representative of your institution who is registered with Grants.gov and is authorized to sign applications for Federal assistance. For more information on the registration requirements that must be completed in order to submit an application through grants.gov, go to Grants.gov and click on "Applicants" on the top of the page and then go to the "Get Registered" link on the page. *If your organization is not currently registered with Grants.gov, please encourage your office to designate an Authorized Organization Representative (AOR) and ask that individual to begin the registration process as soon as possible.*

Please note that the registration process also requires that your organization have a DUNS number and a current registration with the System for Award Management (SAM) and the process of obtaining both could take a month or more. Applicants must ensure that all registration requirements are met in order to apply for this opportunity through grants.gov and should ensure that all such requirements have been met well in advance of the submission deadline. Registration on grants.gov, SAM.gov, and DUNS number assignment is FREE.

Applicants need to ensure that the AOR who submits the application through Grants.gov and whose DUNS number is listed on the application is an AOR for the applicant listed on the application. Additionally, the DUNS number listed on the application must be registered to the applicant organization's SAM account. If not, the application may be deemed ineligible.

To begin the application process under this grant announcement, go to Grants.gov and click on "Applicants" on the top of the page and then "Apply for Grants" from the dropdown menu and then follow the instructions accordingly. Please note: To apply through grants.gov, you must use Adobe Reader software and download the compatible Adobe Reader version. For more information about Adobe Reader, to verify compatibility, or to download the free software, please visit Adobe Reader Compatibility Information on Grants.gov

You may also be able to access the application package for this announcement by searching for the opportunity on Grants.gov. Go to Grants.gov and then click on "Search Grants" at the top of the page and enter the Funding Opportunity Number, EPA-GM-2017-FARMER, or the CFDA number that applies to the announcement (CFDA 66.475), in the appropriate field and click the Search button.

Please note that Grants.gov is strongly encouraging users to sign up for and use their "Workspace" feature when applying for opportunities. Grants.gov will be phasing out the "legacy" application process, so EPA recommends that all applicants begin using Workspace as soon as possible so they are prepared when the "legacy" application process is no longer available. Please see the following link and instructional video for training and additional information regarding the "Workspace" feature: https://www.grants.gov/web/grants/applicants/applicant-tools-and-tips.html

Application Submission Deadline: Your organization's AOR must submit your complete application package electronically to EPA through Grants.gov no later than September 22th, 2017 at 11:59 pm EDT. *Please allow for enough time to successfully submit your application process and allow for unexpected errors that may require you to resubmit.*
Please submit all of the application materials described below using the grants.gov application package that you downloaded using the instructions above. For additional instructions on completing and submitting the electronic application package, click on the "Show Instructions" tab that is accessible within the application package itself.

Application Materials

The following forms and documents are required under this announcement:

Mandatory Documents:

1. Application for Federal Assistance (SF-424)
2. Budget Information for Non-Construction Programs (SF-424A)
3. Assurances for Non-Construction Programs (SF-424B)
4. Narrative Proposal (Project Narrative Attachment Form)-prepared as described in Section IV of the announcement

Applications submitted through grants.gov will be time and date stamped electronically. ***Applicants should confirm EPA receipt of their proposal with an email to gmp-rfp@epa.gov as soon as possible after the submission deadline, but no later than within 15 days of the application deadline. Failure to do so may result in your application not being reviewed.***

C. Technical Issues With Submission

1. Once the application package has been completed, the "Submit" button should be enabled. If the "Submit" button is not active, please call Grants.gov for assistance at 1-800-518-4726. Applicants who are outside the U.S. at the time of submittal and are not able to access the toll-free number may reach a Grants.gov representative by calling 606-545-5035. Applicants should save the completed application package with two different file names before providing it to the AOR to avoid having to re-create the package should submission problems be experienced or a revised application needs to be submitted.
2. Submitting the application. The application package must be transferred to Grants.gov by an AOR. The AOR should close all other software before attempting to submit the application package. Click the "submit" button of the application package. Your Internet browser will launch and a sign-in page will appear. **Note: Minor problems are not uncommon with transfers to Grants.gov. It is essential to allow sufficient time to ensure that your application is submitted to Grants.gov BEFORE the due date identified in Section IV of the solicitation.** The Grants.gov support desk operates 24 hours a day, seven days a week, except Federal Holidays. A successful transfer will end with an on-screen acknowledgement. For documentation purposes, print or screen capture this acknowledgement. If a submission problem occurs, reboot the computer – turning the power off may be necessary – and re-attempt the submission. **Note: Grants.gov issues a "case number" upon a request for assistance.**

3. Transmission Difficulties. If transmission difficulties that result in a late transmission, no transmission, or rejection of the transmitted application are experienced, and following the above instructions do not resolve the problem so that the application is submitted to Grants.gov by the deadline date and time, follow the guidance below. The Agency will make a decision concerning acceptance of each late submission on a case-by-case basis. All emails, as described below, are to be sent to GMP-RFP@epa.gov with the FON in the subject line. If you are unable to email, contact Rachel Houge at 228-304-7441. Be aware that EPA will only consider accepting applications that were unable to transmit due to Grants.gov or relevant www.Sam.gov system issues or for

unforeseen exigent circumstances, such as extreme weather interfering with internet access. **Failure of an applicant to submit timely because they did not properly or timely register in SAM.gov or Grants.gov is not an acceptable reason to justify acceptance of a late submittal.**

a. If you are experiencing problems resulting in an inability to upload the application to Grants.gov, it is essential to call Grants.gov for assistance at 1-800-518-4726 before the application deadline. Applicants who are outside the U.S. at the time of submittal and are not able to access the toll-free number may reach a Grants.gov representative by calling 606-545-5035. **Be sure to obtain a case number from Grants.gov.** If the problems stem from unforeseen exigent circumstances unrelated to Grants.gov, such as extreme weather interfering with internet access, contact GMP-RFP@epa.gov.

b. Unsuccessful transfer of the application package: If a successful transfer of the application cannot be accomplished even with assistance from Grants.gov due to electronic submission system issues or unforeseen exigent circumstances, and you have already attempted to resolve the issue by contacting Grants.gov, send an email message to GMP-RFP@epa.gov prior to the application deadline. The email message must document the problem and include the Grants.gov case number as well as the entire application in PDF format as an attachment.

c. Grants.gov rejection of the application package: If a notification is received from Grants.gov stating that the application has been rejected for reasons other than late submittal and it is too late to reapply, promptly send an email to GMP-RFP@epa.gov with the FON in the subject line within one business day of the closing date of this solicitation. The email should include any materials provided by Grants.gov and attach the entire application in PDF format.

Please note that successful submission through Grants.gov or via email does not necessarily mean your application is eligible for award.

D. Content of Proposal Submission

The proposal package ***must*** include all of the following materials:

☐**Standard Form (SF) 424, Application for Federal Assistance**

Complete the form (available at https://www.epa.gov/grants/epa-grantee-forms. For form instructions see, https://www.grants.gov/web/grants/form-instructions/sf-424-instructions.html **Please be sure to include organization email address in Block 5 of the Standard Form SF 424.**

Please note that the organizational Dun and Bradstreet (D&B) Data Universal Number System (DUNS) number must be included on the SF-424. Organizations may obtain a DUNS number at no cost by calling the toll-free DUNS number request line at 1-866-705-5711.

☐**Standard Form (SF) 424A, Budget Information**

Complete the form (available at https://www.epa.gov/grants/epa-grantee-forms). For form instructions see, https://www.grants.gov/web/grants/form-instructions/sf-424a-instructions.html.

☐**Standard Form (SF) 424B, Assurances for non-construction forms**
Complete the form (available at https://www.epa.gov/grants/epa-grantee-forms).

☐**Narrative Proposal** ***(See Appendix B Narrative and Budget Sample)***
The Narrative Proposal **(sections 1-3 below)** cannot exceed a maximum of **ten single-spaced** typewritten pages. EPA recommends that proposals be in 12-point font or larger and readability is of paramount importance. Supporting materials, such as resumes, can be submitted as attachments and are not included in the **ten-page limit.**

1) **Proposal Information Page (one page only – included in ten-page limit)**
   a) Project Title
   b) Applicant Information. Include applicant (organization) name, address, contact person, phone number, fax, e-mail address and DUNS number.
   c) Total Project Cost. Specify total cost of the project, percentage of funds requested from EPA, percentage of leveraged funds (if applicable).
   d) Briefly describe how your project meets following EPA Strategic Goal (Protecting America's Waters and Cross Agency Strategy: Working Toward a Sustainable Future, See Section I.C for more information)
   e) Project Description. Please summarize your project.
   f) Measurable Outputs. Provide a brief description of the major outputs of your project.
   g) Place of Performance. Please identify the regional as well as the six-digit or eight-digit HUC where your project will take place.
   h) Project period. Provide anticipated project start date and anticipated project completion date.

2) **Narrative Proposal (included in ten-page limit)**
The narrative proposal must explicitly describe how the proposed project meets the guidelines established in Sections I-III of this announcement (including the threshold eligibility criteria in Section III.C), and must address each of the evaluation criteria set forth in Section V.

   a) **Project Description/Approach:** The summary shall contain the following components:
      i. Detailed project information, description of specific actions and methods to be undertaken and the responsible institutions, including estimated time line for each task. Enough detail should be provided to assess project success without requiring more information from applicant.
      ii. Explanation of project benefits to the public, and specifically the potential audience(s) served.
      iii. Describe your organization's history and experience with implementing demonstration projects through outreach with area partners and identify how it will contribute to project success and ongoing implementation beyond the grant period. Provide letters of support (which do not count towards the page limit) or other documentation to support that track record.

For awards under this competition that are expected to exceed $200,000 in federal funding **AND** involve the generation or use of environmental data, please provide a statement acknowledging 1) your need to demonstrate competency prior to beginning work and 2) your understanding that a Quality Management Plan (QMP) and/or a Quality Assurance Project Plan (QAPP) may be required. Please see the following link for more information:
https://www.epa.gov/measurements/documents-about-measurement-competency-under-assistance-agreements

b) Environmental Results—Outcomes, Outputs and Project Performance

Identify the expected quantitative and qualitative outcomes and outputs of the project **(See Section I)**, including what timeline of milestones, or other means will be used to track and measure your progress towards achieving the expected outcomes and outputs and how the results of the project will be evaluated. Outputs such as semi-annual and final reports and other deliverables should also be included.

It is expected that the description of project performance will include the following:

- Target numbers associated with the outputs and how the project will support achieving them
- oversight of project partners, subgrantees, and/or contractors and vendors;
- tracking and reporting actual accomplishments versus proposed outputs/outcomes and proposed timelines/milestones;

c) Applicant Capability and Past Performance

i. Submit a list of federally and/or non-federally funded assistance agreements (assistance agreements include federal grants and cooperative agreements but not federal contracts) similar in size, scope and relevance to the proposed project that your organization performed within the last three years (no more than 5 agreements and preferably EPA agreements), and describe how you were technically able to successfully complete and manage those agreements. For the grants listed above, also describe your history of meeting the reporting requirements under those agreements, including whether you timely reported progress towards achieving the expected outputs and outcomes of those agreements (and if not, explain why not) and whether you submitted acceptable final technical reports.

Note: In evaluating applicants under these factors in Section V, EPA will consider the information provided by the applicant and may also consider relevant information from other sources, including information from EPA files and from current/prior grantors (e.g., to verify and/or supplement the information provided by the applicant). If you do not have any relevant or available past performance or past reporting information, please indicate this in the proposal and you will receive a neutral score for

these factors (a neutral score is half of the total points available in a subset of possible points). If you do not provide any response for these items, you will receive a score of 0 for these factors.

ii. Organizational and staff experience- Provide information on your organizational experience and plan for timely and successfully achieving the objectives of the proposed project and provide information on your staff expertise/qualifications, staff knowledge, and resources or the ability to obtain them, to successfully achieve the goals of the proposed project.

d) **Leveraging:** Demonstrate how you will coordinate the use of EPA funding with other Federal and/or non-Federal sources of funds/resources to leverage additional resources beyond the grant funds awarded to carry out the proposed project(s) and/or that EPA funding will complement activities relevant to the proposed project(s) carried out by the applicant with other sources of funds or resources. Describe the type and amount of leveraging proposed, how you will obtain the leveraged resources, the likelihood the leveraging will materialize during grant performance, the strength of the leveraging commitment, and the role the leveraged funds/resources will play in the overall project. Selected applicants are expected to abide by their proposed leveraging commitments during grant performance and the failure to do so may affect the legitimacy of the award.

e) **Expenditure of Awarded Funds**
Please identify the approach and controls in place in your organization to ensure that awards are expended in a timely and efficient manner.

3) Detailed Budget Narrative (included in 10-page limit)
Note: The indirect cost rate assessed by organizations will be considered in the evaluation of budget narrative.
a. Description of the budget and estimated funding amounts for each work component/task which should include an approximation of the cost allocated for each major activity over the project's expected timeline and describe the project budget by categories (e.g. Personnel, Fringe, Travel, Equipment, Supplies, Contractual). Budget resources necessary for completing a Quality Assurance Project Plan (QAPP), if applicable, sharing project information broadly, and reporting progress, are expected to be included.
b. Applicants must itemize costs related to personnel, fringe benefits, contractual costs, travel, equipment, supplies, other direct costs, indirect costs, and total costs. There are several guidelines used for federal budgets. Page 8-11 of this EPA presentation provides an overview of budget categories and links to the cost principles EPA utilizes. If you want to hear audio of the presentation, please go here.

4) Attachments. These are not included in **the ten-page limit.**

a. Letters of Support Please attach letters of support or other documentation necessary to identify prior success with farmer to farmer demonstration projects and to support leveraging commitments.
b. Biographical Sketch (optional – will not be considered during evaluation). If desired, provide biographical sketch of Principal Investigators and/or any other key personnel.
c. If applicable, approval letter to use alternate means to submit initial application.

E. Submission Dates and Times

The closing date and time for submission of proposals is September 22th, **11:59 p.m., Eastern Time (ET)**. Proposals submitted after the closing date and time will not be considered for funding.

F. Additional Provisions For Applicants Incorporated Into The Solicitation

Additional provisions that apply to this solicitation and/or awards made under this solicitation, including but not limited to those related to confidential business information, contracts and subawards under grants, and proposal assistance and communications, can be found at https://www.epa.gov/grants/epa-solicitation-clauses. ***These, and the other provisions that can be found at the website link, are important, and applicants must review them when preparing proposals for this solicitation.*** If you are unable to access these provisions electronically at the website above, please communicate with the EPA contact listed in this solicitation to obtain the provisions.

V. APPLICATION REVIEW INFORMATION

Only eligible entities whose proposals meet the threshold criteria in Section III of this announcement will be reviewed according to the evaluation criterion set forth below. Applicants should explicitly address these criteria as part of their proposal package submittal. Each proposal will be rated under a points system, with a total of 100 points possible.

A. Evaluation Criteria

Criteria	Points
1. <u>Project Description/Approach:</u> Under this criterion, proposals will be evaluated using the following factors: i. (20 pts) the quality to which the project narrative addresses activities in Section I.B, the relevance or importance of the project (including how the project will benefit the Gulf of Mexico region); and, how the project specifically supports EPA Strategic Goals (see Section I. C.). ii. (20 pts) the extent to which the proposal contains sufficiently detailed information on the project approach including, but not limited to, details on the "how and when", the applicant's ability to perform the proposal work; and, demonstrates a successful history of working with farmers to implement demonstration projects with results. *Letters of support or other documentation will be considered under this evaluation criterion*	**40**
2. <u>Environmental Results—Outcomes, Outputs and Performance Measures:</u> Under this criterion, proposals will be evaluated using the following factors: i. (10 pts) The extent to which the proposal clearly defines outputs throughout the project timeframe ii. (10 pts) The extent to which the proposal clearly describes results that are specific, quantified and significant for at least one of the outputs listed in Section I.B. iii. (10 pts) The extent to which the proposal demonstrates an effective plan for tracking and measuring progress toward achieving expected project outputs and outcomes, including a detailed written narrative plan identifying partner responsibilities and a tracking tool (such as a milestone or GANTT chart)	**30**
3. <u>Applicant Capability and Past Performance</u> Under this criterion, proposals will be evaluated based on the applicant's: • past performance in successfully completing and managing the assistance agreements identified in the proposal narrative as described in Section IV.D.c.of the announcement. (3 pts) • history of meeting the reporting requirements under the assistance agreements identified in the proposal narrative as described in Section IV.D.c of the announcement including whether the applicant submitted acceptable final technical reports under those agreements and the extent to which the applicant adequately and timely reported on their progress towards achieving the expected outputs and outcomes under those agreements and if such progress was not being made whether the applicant adequately reported why not. (2 pts)	**10**

• organizational experience and plan for timely and successfully achieving the objectives of the proposed project and staff expertise/qualifications, staff knowledge, and resources or the ability to obtain them, to successfully achieve the goals of the proposed project. (5 pts) Note: In evaluating applicants under the first two items of this criterion, EPA will consider the information provided by the applicant and may also consider relevant information from other sources including agency files and/or prior/current grantors (e.g., to verify and/or supplement the information supplied by the applicant). If you do not have any relevant or available past performance or reporting information, please indicate this in the proposal and you will receive a neutral score for these subfactors (the first two items above-a neutral score is half of the total points available in a subset of possible points). If you do not provide any response for these items, you will receive a score of 0 for these factors.	
4. <u>Budget</u>: Under this criterion, proposals will be evaluated based on the applicant's: • level of detailed budget information provided in a narrative and table format as described in Section IV. (7 pts) • the extent to which the project costs and the various components are cost-effective and reasonable in furthering future implementation of similar activities. (3 pts) Note: The indirect cost rate assessed by organizations will be considered in the evaluation of budget summary	**10**
5. <u>Leveraging</u>: Under this criterion, applicants will be evaluated based on the extent they demonstrate how they will coordinate the use of EPA funding with other Federal and/or non-Federal sources of funds/resources to leverage additional resources beyond the grant funds awarded to carry out the proposed project(s). Applicants will also be evaluated based on the type and amount of leveraging proposed, how the applicant will obtain the leveraged resources, the likelihood the leveraging will materialize during grant performance, the strength of the leveraging commitment, and the role the leveraged resources will play to support the proposed project activities. *Letters of support or other documentation will be considered under this evaluation criterion*	**5**
5. <u>Expenditure of Awarded Funds</u>: Under this criterion, applicants will be evaluated based on their approach and the controls proposed to ensure that awarded funds are expended in a timely and efficient manner.	**5**

B. Review and Selection Process

Proposals will first be evaluated against the threshold factors listed in Section III. Only those proposals which meet all of the threshold factors will be evaluated using the evaluation criteria listed above. Proposals meeting the threshold criteria will be evaluated by an EPA Gulf of Mexico Review Panel. The Review Panel will consist of EPA staff and may also include representatives from other Federal agencies. The panel will score and rank the eligible proposals using the evaluation criteria identified in Section V.A. Each proposal will be given a numerical score and will be rank-ordered according to the numerical score and geographic location. The agency will fund one grant in the Upper Mississippi River

Basin and one in the Lower Mississippi River Basin (as identified in Section I.B). Preliminary funding recommendations will be provided to the Selection Official based on this ranking.

C. Other Factors

Final funding decisions will be made by the Selection Official based on the rankings and preliminary recommendations of the evaluation team. In making the final funding decisions, the Selection Official may also consider programmatic priorities, funding availability and geographic diversity of funds.

D. Additional Provisions For Applicants Incorporated Into The Solicitation: Additional provisions that apply to this solicitation and/or awards made under this solicitation including the clause on Reporting and Use of Information Concerning Recipient Integrity and Performance can be found on the EPA Solicitation Clauses page. These, and the other provisions that can be found at the website link, are important, and applicants must review them when preparing proposals for this solicitation. If you are unable to access these provisions electronically at the website above, please communicate with the EPA contact listed in this solicitation to obtain the provisions.

VI. AWARD ADMINISTRATION INFORMATION

A. Award Notices

Following evaluation of proposals, all applicants will be notified regarding their status.

Proposal Notifications *(allow for review time, usually 45-60 days after closing date)*

1. EPA anticipates notification to successful applicants will be made via e-mail. The notification will be sent to the original signer of the proposal or the project contact listed in the proposal. *This notification, which informs the applicant that its proposal has been selected and is being recommended for award, is not an authorization to begin work. The official notification of an award will be made by the Region 4 Grants Management Officer.* Applicants are cautioned that only a grants officer is authorized to bind the Government to the expenditure of funds; selection does not guarantee an award will be made. For example, statutory authorization, funding or other issues discovered during the award process may affect the ability of EPA to make an award to an applicant. The award notice, signed by an EPA grants officer, is the authorizing document and will be provided through electronic or postal mail. The successful applicant may need to prepare and submit additional documents and forms (e.g., narrative), which must be approved by EPA, before the grant can officially be awarded. The time between notification of selection and award of a grant can take up to 90 days or longer.
2. EPA anticipates notification to unsuccessful applicant(s) will be made via email or postal mail. *The notification will be made to the original signer of the Standard Form (SF) 424, Application for Federal Assistance.*

B. Administrative and National Policy Requirement

A listing and description of general EPA Regulations applicable to the award of assistance agreements may be viewed at: https://www.epa.gov/grants/policy-regulations-and-guidance-epa-grants

C. Reporting Requirement

Semi-annual progress reports and a detailed final technical report will be required. Semi-annual reports summarizing technical progress, planned activities for the next half of the year and a summary of expenditures are required. The final technical report shall be completed within 90 calendar days of the completion of the period of performance. The final technical report should include: summary of the project or activity, advances achieved, and costs of the project or activity. In addition, the final technical report should discuss the problems, successes, and lessons learned from the project or activity that could help overcome structural, organizational or technical obstacles to implementing a similar project elsewhere. The schedule for submission of semi-annual reports will be established by EPA, after award.

D. Disputes

Assistance agreement competition-related disputes will be resolved in accordance with the dispute resolution procedures published in 70 FR (Federal Register) 3629, 3630 (January 26, 2005) which can be found at https://www.epa.gov/grants/grant-competition-dispute-resolution-procedures. Copies of these procedures may also be requested by contacting Gerry Martin at martin.gerry@gmail.com.

E. Additional Provisions For Applicants Incorporated Into The Solicitation

Additional provisions that apply to this solicitation and/or awards made under this solicitation, including but not limited to those related to DUNS, SAM, copyrights, disputes, and administrative capability, can be found at https://www.epa.gov/grants/epa-solicitation-clauses.**These, and the other provisions that can be found at the website link, are important, and applicants must review them when preparing proposals for this solicitation.** If you are unable to access these provisions electronically at the website above, please communicate with the EPA contact listed in this solicitation to obtain the provisions.

VII. AGENCY CONTACTS

For further information, contact:

U.S. Environmental Protection Agency
Gulf of Mexico Program
ATTN: Rachel Houge
2510 14th Street – Suite 1212
Gulfport, MS 39501
GMP-RFP@epa.gov

Please send all questions to gmp-rfp@epa.gov. Initial questions and answers will be posted at the GMP home page https://www.epa.gov/gmpo/ by August 24th and will be updated weekly as new questions are received.

May 28, 2018 - June 3, 2018

May 2018

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

June 2018

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Monday, May 28

Tuesday, May 29

Wednesday, May 30

Thursday, May 31

Friday, June 1

Monthly Parking Due (Pay online)

1:00pm - 2:00pm RA Check-In (Phone Call) - Wagner, Kenneth

Saturday, June 2

Sunday, June 3

June 4, 2018 - June 10, 2018

June 2018

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

July 2018

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Monday, June 4

Meeting with Region 5 (New Orleans, LA)

New Orleans Itinerary

- **6:30am - 7:22am Delta Flight 110** (Birmingham to Atlanta)
- **8:15am - 9:42am Delta Flight 1970** (Atlanta to New Orleans)
- **11:30am - 1:00pm EPA Gulf Coordination Meeting** (500 Poydras Street New Orleans LA 70130 (Basement Level - Executive Meeting
- **1:00pm - 2:30pm Lunch - Landry's Seafood House** (8001 Lakeshore Drive New Orleans LA)
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **2:30pm - 3:45pm New Canal Lighthouse Site Tour** (8001 Lakeshore Drive New Orleans LA)
- **4:00pm - 4:30pm Hotel Information: The Roosevelt New Orleans** (1300 Roosevelt Way New Orleans LA 70112 Phone (504) 648-1200)
- **5:15pm - 6:00pm Regional Counsel Offices, Call-in Number: 1 (202) 991-0477, Conference ID:** (b)(6) [redacted] (3204 WJC-South) -

Tuesday, June 5

Hurricane Preparedness (New Orleans, Louisana)

- **9:00am - 4:00pm 2018 Hurricane Preparedness Meeting** (U.S. Attorney's Office 650 Poydras Street Suite 1600 New Orleans LA)
- **9:00am - 4:00pm Hurricane Preparedness Mtg** (605 Poydras Street, Suite 1600, New Orleans, LA 70130) - Lindley, Emily

Wednesday, June 6

Thursday, June 7

Friday, June 8

Saturday, June 9

- **5:00pm - 5:30pm Speaker: Alabama Poultry & Egg Association Grower Seminar** (Birmingham, Alabama)

Sunday, June 10

Itinerary

- **3:36pm - 5:42pm Flight# UA4541 from BHM -> ORD (2 hours and 6 mins.)**
- **5:45pm - 6:00pm Hotel Information: Chicago Rosemont Embassy Suites** (5500 North River Road Rosemont IL 60018 (847) 678-1000)

U.S. EPA Gulf Coordination Meeting and
2018 Hurricane Preparedness
New Orleans, LA
June 4-5, 2018

Additional Region 4 Staff:

Name	Telephone #	Transportation
Brandi Jenkins	(404) 702-9239	Public Transportation
Blake Ashbee	(470) 382-2577	

M&IE $96.00

6/4/2018	$48.00	6/5/2018	$48.00

Monday, June 4, 2018

FLIGHT:

Leave: Birmingham via Delta 1100 at 5:30 am (CST)
Arrive: Atlanta, Georgia at 7:22 am (EST)
Seat: 31A

Layover in Atlanta: 53 minutes

Leave: Atlanta via Delta 1970 at 8:15 am (EST)
Arrive: New Orleans, Louisiana 8:42 am (CST)
Seat: 19A
Confirmation Number: F7AXK3

Hotel:

The Roosevelt New Orleans
130 Roosevelt Way
New Orleans, Louisiana 70112
Phone: (504) 648-1200
Check-in: Monday, June 4th after 3 pm
Check-out: Tuesday, June 5th by Noon
Confirmation Number: 3446545073

[redacted]

10:15 AM Arrive at the Hale Boggs Federal Building
500 Poydras Street New Orleans LA 70130
Meeting in in the Executive Meeting Room (Basement Level)

U.S. EPA Gulf Coordination Meeting and 2018 Hurricane Preparedness
New Orleans, LA
June 4-5, 2018

Monday, June 4, 2018 (continued)

10:30 AM	Introductions
11:00 AM	Gulf of Mexico Program Overview
11:10 AM	**GMPO Areas of Focus** Community Resilience Environmental Education Habitat Restoration Water Quality Natural Resource Damage Assessment (NRDA) Resources and Ecosystems Sustainability, Tourist Opportunities and Revived Economies (RESTORE)
12:00 PM	Travel to Lunch Depart for Lunch at Landry's Seafood House 8000 Lakeshore Dr., NOLA
1:30 PM	Site Tour **Location:** New Canal Lighthouse, 8001 Lakeshore Dr., NOLA
2:45 PM	Travel back to Hotel

R4 Attendees: Trey Glenn, Blake Ashbee, and Brandi Jenkins
R6 Attendees: Anne Idsal, Emily Lindley, David Gray
Gulf of Mexico Attendees: LaKeshia Robertson, Troy Pierce, Danny Wiegland, and Amy Newbold
OA Attendee: Ken Wagner

NOTE:
You will need to show your Federal ID's to enter the building. Advise Security you are there for a meeting in The Executive Meeting Room in the basement. A RESTORE staff member will be on hand to direct you to the meeting room.

U.S. EPA Gulf Coordination Meeting and 2018 Hurricane Preparedness New Orleans, LA June 4-5, 2018

Tuesday, June 5, 2018

7:45 AM	2018 Hurricane Preparedness Meeting Arrive at U.S. Attorney's Office 650 Poydras Street Suite 1600 New Orleans, LA 70130

Attendees:
Region 2 – Peter Lopez
Region 4 – Trey Glenn, Blake Ashbee, Brandi Jenkins, Franklin Hill and Jim Webster
Region 6 – Anne Idsal, David Gray, Emily Lindley, Claudia Hosch, Ronnie Crossland and Carl Edlund
Region 7 – Jim Gulliford and Ken Buchholz
HQ – Kenneth Wagner OA, Patrick Taylor OECA, Steven OLEM, Ross Elliott ORCR/OLEM, Nancy Grantham OPA, Robin Richardson OCIR, Reggie Cheatham OEM, Howard Osborne OCFO and Molly Williams OCFO

8:00 AM – 9:30AM	State, Industry, and Community Feedback - Consider Feedback Provided by Partners & Stakeholders - Ideas for Discussion: Establishing Information/Communication Protocols & Best Practices; Proactive Approaches to Disaster Mitigation & Response; Opportunities for Community Education
9:30 AM – 9:45 AM	BREAK
9:45 AM – 11:00 AM	Region & HQ Feedback/Ideas - Ideas for Discussion: Funding including but not limited to Federal Funding Constraints/Considerations (*pre-scripted Mission Assignments, discuss successful 2017 models*); Communications (*internal communications within incident command, internal communications with impacted region and HQ/BURs; communication issues surrounding reporting for incident management);* Fuel Waivers; Debris Removal/Sorting/Siting; Cutting Red Tape; Duplication of Efforts/Benefits with Federal Partners; Asset Readiness
11:00 AM to 12:00 PM	Lunch on your own (*Suggestions: Mother's (5 min walk); ACME (2 locations each a 10 min walk); Bon Ton Café (4 min walk); Green To Go (3 min walk)*

U.S. EPA Gulf Coordination Meeting and 2018 Hurricane Preparedness
New Orleans, LA
June 4-5, 2018

Tuesday, June 5, 2018 (continued)

12:15 PM to 1:30 PM Action Items

- Streamlining Processes/Protocols for Pre- and Post-Landfall?
- Streamline Environmental Requirements/Practices/Protocols with States & Local Communities?
- MOUs with States and/or Federal Agencies to Address Jurisdictional Issues?
- Pre-Planning Opportunities with Community and Industry Partners?
- Asset Readiness?
- Fuel Waiver and No Action Assurance Best Practices

1:30 PM to 1:45 PM BREAK

1:45 PM to 3:00 PM Continue discussion on Action Items

Next Meeting: Transitioning Lessons/Recommendations to General Disaster Preparedness

- The session should be an all hazards approach for significant response of any type.
- Familiarize RAs with concepts of National, Region, and Operational Management Objectives.
- RAs role in managing the event more so than the incident; emphasis on State/Local government strategies.
- RAs role in FEMA vs NCP responses and best practices to get started right.
- Resourcing a major response.
- Importance of RA participation in state, regional, and national exercises.
- Consistency in approach; ICS and beyond.

3:30 PM Depart for Dinner and the Airport

U.S. EPA Gulf Coordination Meeting and 2018 Hurricane Preparedness
New Orleans, LA
June 4-5, 2018

FLIGHT:

Leave: New Orleans via Delta 2921 at 6:50 pm (CST)
Arrive: Atlanta at 9:15 pm (EST)
Seat: 19A

Layover in Atlanta: 39 minutes

Leave: Atlanta via Delta 1224 at 9:54 pm (EST)
Arrive: Birmingham, Alabama at 9:50 pm (CST)
Seat: 18A
Confirmation Number: F7AXK3

For flight changes contact:
BCD Travel: (866) 964-1346
Agency Record Locator:
WZGH2C
$34.50 per change

For all other travel issue contact:
EPA Travel (513) 487-2346

AGENDA

2018 Hurricane Preparedness
Tuesday, June 5, 2018
8:00 AM – 3:00 PM CST
US Attorney's Office
650 Poydras Street, Suite 1600
New Orleans, Louisiana 70130

** Bring picture ID with you. **

Purpose:	To consider and address lessons learned during prior natural disasters, but most notably from the 2018 hurricane and wildfire seasons, in order to improve EPA's natural disaster preparedness, response, and recovery efforts.
Invitees:	Pete Lopez (R2), Cosmo Servidio (R3), Trey Glenn (R4), Anne Idsal (R6), Jim Gulliford (R7), Patrick Traylor (OECA), Steven Cook (OLEM), Kenneth Wagner, Nancy Grantham (OPA), Reggie Cheatham (OEM), and additional staff as invited and necessary.
Please bring:	After-action reports, IG reports, ACI in Disaster Recovery Efforts, Lessons Learned
Attire:	Business casual

8:00 AM – 9:30AM	State, Industry, and Community Feedback - Consider Feedback Provided by Partners & Stakeholders - Ideas for Discussion: Establishing Information/Communication Protocols & Best Practices; Proactive Approaches to Disaster Mitigation & Response; Opportunities for Community Education
9:30 AM – 9:45 AM	BREAK
9:45 AM – 11:00 AM	Region & HQ Feedback/Ideas - Ideas for Discussion: Funding including but not limited to Federal Funding Constraints/Considerations (*pre-scripted Mission Assignments, discuss successful 2017 models*); Communications (*internal communications within incident command, internal communications with impacted region and HQ/BURs; communication issues surrounding reporting for incident management);* Fuel Waivers; Debris Removal/Sorting/Siting; Cutting Red Tape; Duplication of Efforts/Benefits with Federal Partners; Asset Readiness
11:00 AM to 12:00 PM	Lunch on your own (*Suggestions: Mother's (5 min walk); ACME (2 locations each a 10 min walk); Bon Ton Café (4 min walk); Green To Go (3 min walk*)
12:15 PM to 1:30 PM	Action Items - Streamlining Processes/Protocols for Pre- and Post-Landfall?

- Streamline Environmental Requirements/Practices/Protocols with States & Local Communities?
- MOUs with States and/or Federal Agencies to Address Jurisdictional Issues?
- Pre-Planning Opportunities with Community and Industry Partners?
- Asset Readiness?
- Fuel Waiver and No Action Assurance Best Practices

1:30 PM to 1:45 PM	BREAK
1:45 PM to 3:00 PM	Continue discussion on Action Items

Next Meeting: Transitioning Lessons/Recommendations to General Disaster Preparedness

- The session should be an all hazards approach for significant response of any type.
- Familiarize RAs with concepts of National, Region, and Operational Management Objectives.
- RAs role in managing the event more so than the incident; emphasis on State/Local government strategies.
- RAs role in FEMA vs NCP responses and best practices to get started right.
- Resourcing a major response.
- Importance of RA participation in state, regional, and national exercises.
- Consistency in approach; ICS and beyond.

June 11, 2018 - June 17, 2018

June 2018

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

July 2018

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Monday, June 11

Itinerary

RA Meeting (Chicago, IL) - Glenn, Trey

- **8:00am - 4:00pm RA Meeting** (Chicago, IL) - Wagner, Kenneth
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen

Tuesday, June 12

12:00am Regional Tribal Operations Committee (RTOC) In-Person Meeting (; Conference Room 13B (EPA Atlanta Offices)) -

- **7:00am - 8:55am Flight# DL977 from ORD -> ATL (1 hour and 55 mins.)**
- **9:30am - 12:30pm June's Regional Monthly Review** (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Glenn, Trey
- **12:30pm - 1:00pm ADEM Title VI** (RA's Conference Room (Call-in # 202-991-0477 code (b)(6) [redacted] - Glenn, Trey
- **1:00pm - 1:30pm Executive Assistant Interview w/Regional Administrator Glenn and Mario Moore** (61 Forsyth St SW Atlanta GA
- **1:45pm - 2:15pm Executive Assistant Interview w/Regional Administrator Glenn and Brandy Hairston** (61 Forsyth Street SW
- **2:30pm - 3:00pm Executive Assistant Interview w/Regional**
- **3:15pm - 3:45pm Phone Call w/ Trey Glenn and Tony Hatton -**
- **5:50pm - 7:19pm Flight# DL826 from ATL -> CLT (1 hour and 29**

Wednesday, June 13

← **Regional Tribal Operations Committee (RTOC) In-Person Meeting** (; Conference Room 13B (EPA Atlanta Offices)) - Armor, Suzanne

Revised Itinerary - Glenn, Trey

- **8:45am - 9:45am RTOC - Executive Session with the Regional Administrator** (Catawba Indian Nation 996 Avenue of the Nations Rock Hill, South Carolina) - Glenn, Trey
- **11:00am - 12:00pm Brownfields Site Tour - Rock Hill Bleachery Water Treatment Plant** (Stewart Ave Rock Hill SC) - Glenn, Trey
- **2:11pm - 3:29pm Flight# AA5436 from CLT -> BHM (1 hour and 18 mins.)**

Thursday, June 14

← **12:00am Regional Tribal Operations Committee (RTOC) In-Person Meeting** (; Conference Room 13B (EPA Atlanta Offices)) - Armor, Suzanne

- **10:00am - 12:00pm Federal Everglades Family Call**
- **3:00pm - 3:15pm Hotel Information: Sandestin Golf and Beach Resort** (9300 Emerald Coast Parkway W. W. Destin FL)

Friday, June 15

Southeast Environmental Law Regulation Conference (Sandestin, Florida) - Glenn, Trey

- **9:45am - 10:15am Speech: EPA Region 4: Report from the Administrator** (160 Sandestin Blvd North Miramar Beach FL 32550 (Bayside Ballroom)) - Glenn, Trey
- **10:30am - 11:30am Pre-State Commissioner's Meeting Call-in # (404) 562-9997 code** (b)(6) [redacted] RA's Conferene Room) - Glenn, Trey

Saturday, June 16

Sunday, June 17

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference
June 10-16, 2018

Additional Region 4 Staff:

Name	Telephone #	Transportation
Brandi Jenkins (RTOC Only)	(404) 702-9239	Brandi has a rental

M&IE = $428.50

6/10/2018	$55.50	6/11/2018	$74.00
6/12/2018	$59.00	6/13/2018	$64.00
6/14/2018	$64.00	6/15/2018	$64.00
6/16/2018	$48.00		

NOTE: Lunch on the 11th will be charged to your room

Sunday, June 10, 2018

FLIGHT:

Leave: Birmingham via United 4541 at 2:36 pm (CST)
Arrive: Chicago, Illinois at 4:42 pm (CST)
Seat: 22B
Confirmation Number: G437M5

Hotel:

Chicago\Rosemont Embassy Suites
5500 North River Road
Rosemont, Illinois 60018
Phone: (847) 678-4000
Check-in: Sunday, June 10th after 3 pm
Check-out: Tuesday, June 12th by Noon
Confirmation Number: 91387419

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference
June 10-16, 2018

Monday, June 11, 2018

8:00 am – 4:00 pm	Regional Administrator meeting Embassy Suites Hotel 8th Floor – Walden Room If you have any problems entering the room call (202) 379-8493

Tuesday, June 12, 2018

FLIGHT:

Leave: Chicago via Delta 977 at 6:00 am (CST)
Arrive: Atlanta, Georgia at 8:55 am (EST)
Seat: 17B
Confirmation Number: HAT5IM

9:30 am	Regional Monthly Review
12:30 pm	ADEM Title VI Call w/HQ
1:00 pm	Interview with Marlo Moore
1:45 pm	Interview with Brandy Hairston
2:00 pm	Interview with Dawn Kutob

FLIGHT:

Leave: Atlanta via Delta 826 at 5:50 pm
Arrive: Charlotte, North Carolina at 7:19 pm
Seat: 23D
Confirmation Number: HAT5IM

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference
June 10-16, 2018

Tuesday, June 12, 2018 (continued)

Hotel:

Le Meridien Charlotte (Starwood Hotels & Resorts)
555 South McDowell Street, North Tower
Charlotte, North Carolina
Phone: (704) 372-9610
Check-in: Tuesday, June 12th after 3 pm
Check-out: Wednesday, June 13th by Noon
1 King Bed
Confirmation Number: 732502456

Wednesday, May 9, 2018

8:30 am – 4:45 pm	RTOC Catawba Indian Nation 996 Avenue of the Nations Rock Hill, South Carolina

NOTE: Trey's Session: Open Discussion is from 8:45 – 9:45 am

11:30 am – 12:30 pm	Brownfields Site Tour TBD

FLIGHT:

Leave: Charlotte via American Airlines 5436 at 2:11 pm (EST)
Arrive: Birmingham, Alabama at 2:29 pm (CST)
Seat: Seat will be assigned upon check-in
Confirmation Number: XMATXV

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference
June 10-16, 2018

Thursday, June 14, 2018

Drive POV from Home, to Destin Florida approximately 4 hours and 22 mins/268 miles via I65S

Hotel:

Sandestin Golf and Beach Resort **9300 Emerald Coast Parkway W** **W. Destin, Florida 32550** **Phone: (866) 701-3720** **Check-in: Thursday, June 12th after 3 pm** **Check-out: Wednesday, June 13th by Noon** **1 King Bed** **Confirmation Number: 732502456**

10:00 am – 12:00 pm	Federal Everglades Family Call Telephone number will be provided later

Friday, June 15, 2018

8:30 am – 5:00 pm	Southeastern Environmental law & Regulation Conference Sandestin Golf and Beach Resort 9300 Emerald Coast Parkway W. W. Destin, Florida 32550

Note: Trey's Session: Report from the Administrator is from 8:45 – 9:15 am

5:00 – 6:30 pm	**Reception in the Bayview Room**

Saturday, June 16, 2018

Drive POV from Destin, Florida to Home approximately 4 hours and 22 mins/268 miles via I65N

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference

June 10-16, 2018

For flight changes contact:
BCD Travel: (866) 964-1346

Agency Record P5H7NO

$34.50 per change

For all other travel issue contact:
EPA Travel (513) 487-2346

Regional Administrator Meeting
June 11, 2018
8:00am -- 4:00 pm CDT
Chicago, IL

Conference Line: 1.866.299.3188, conference code (b)(6) personal privacy

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8:00 – 9:00 CDT	Regional Realignment
9:00 – 9:15 CDT	Discussion w/ Andrew Wheeler
9:15 – 12:00 CDT	Regional Realignment
12:00 CDT	Working Lunch- Lunch will be brought in
12:30 CDT	EJCRC Meeting and Follow Up- Alex Dunn 15 min
12:45 CDT	Executive Order: Interplay is between local/national bargaining Agreements – Cathy Stepp 20 min
1:05 CDT	Open Discussion w/ of Anna Wildeman OW 20 min
1:25 CDT	Format, Content, Messaging and Control – Alex Dunn and Cathy Stepp 15 min
1:40 CDT	Hurricane Meeting Follow Up - Anne Idsal 15 min
BREAK	**20 Minute Break**
2:15 CDT	Regional / State Level Discussion with Ag/Pesticide/Bee Keeper Jim Guilford and Trey Glenn 20 min
2: 35 CDT	Open Forum Regional Roundtable Discussion – Moderated by Ken Wagner and Erin Chancellor
3: 35 CDT	Closing Remarks
4: 00 CDT	Depart for Shuttle to Airport

Draft/Deliberative – Exemption 5 Withhold

Briefing Points for Meeting with Trey Glenn, June 12, 2018

EPA Region 4 RTOC Meeting
June 12-14, 2018
Catawba Indian Nation
996 Avenue of the Nations
Rock Hill, South Carolina

Call-In Number: (202) 991-0477, conference code: (b)(6) personal

In Region 4: Video Teleconference in Conf. Room 13B

Monday, June 11 – *Travel Day*

Tuesday, June 12
Adobe Connect Webinar: http://epawebconferencing.acms.com/r4rtocjune122018/

8:30 Tribal Caucus/RTOC Business Meeting and Committee Reports (Tribes only)
Facilitator – Darin Steen, RTOC Chair, Catawba Indian Nation

10:00 Break

10:15 CIN Cultural Program

11:45 Lunch

1:00 Tribal TAB Program
Olga Perry, EPA Region 4 RCRD,
Mickey Hartnett, Kansas State University TAB Program

2:00 Break

2:15 WOTUS Rulemaking Update and Panel Discussion
Rose Kwok and/or Karen Gude, EPA Office of Water
Michael Bolt, Eastern Band of Cherokee Indians
Cherise Maples, Seminole Tribe of Florida

3:45 Construction Stormwater
Michael Mitchell, EPA Region 4 Water Protection Division

5:00 Day 1 ends

6:00 Welcome Reception/Happy Hour (optional)
Legal Remedy Brewing Co.
129 Oakland Ave, Rock Hill, SC 29730
Dutch Treat

Wednesday, June 13
Adobe Connect Webinar:
http://epawebconferencing.acms.com/r4rtocjune132018/

8:30 Opening Remarks
Darin Steen, RTOC Chair, Catawba Indian Nation

8:45 Executive Session with Trey Glenn, Regional Administrator
Open Discussion

9:45 EPA Sr. Leadership/Staff to join Executive Session
Open Discussion

10:45 Break

11:00 Improving Consultation Communication
Open Discussion
Suzanne Armor, EPA Region 4 (facilitator)

11:45 Lunch

1:00 GAP Guidance Evaluation
Felicia Wright, Acting Director, American Indian Environmental Office, EPA

2:30 Break

2:45 DNA Analysis of *E. Coli*
Lisa Meday, Seminole Tribe of Florida
Dr. Diuto Esiobu, Ph.D., Professor, Microbiology and Biotechnology
Florida Atlantic University, Boca Raton
Founder / Consultant Applied Biotech Inc
Brian Mercer, M.S., Microbiology Director, Florida Spectrum Environmental Services Inc.

4:15 Closing Remarks
Darin Steen, RTOC Chair, Catawba Indian Nation

4:45 Day 2 Ends

7:00 Group Dinner (optional) – Sign up here
The Pump House
575 Herrons Ferry Road, Rock Hill, SC 29730
Dutch Treat

Thursday, June 14
Adobe Connect Webinar:
http://epawebconferencing.acms.com/r4rtocjune142018/

8:30 Opening Remarks
Darin Steen, RTOC Chair, Catawba Indian Nation

9:00 Pesticides Update
Pat Livingston, EPA Region 4 APTMD

9:30 – National Tribal Air Association Update
Scott Hansen, Catawba Indian Nation, and Tiffany Lozada, Poarch Band of Creek Indians

9:45 Break

10:00- Impaired Waters Listing Assessment and Methodology
Bonita Johnson, EPA Region 4 Water Protection Division

11:00 SESD Technical Assistance Overview
EPA Science and Ecosystem Support Division

12:00 Lunch

1:30 Lead-Based Paint and Asbestos Program
Sarah Hawley, EPA Region 4 APTMD

2:00 Field Trip to the Schiele Museum of Natural History – *Sign-Up Here*
Featuring a Catawba Indian Village Exhibit
~$7/person, Dutch Treat (to be confirmed with Museum, based on no. of attendees)
Transportation to/from Museum TBD

- CONFERENCE CLOSES -

Friday, June 15 – *Travel Day*

TRAVEL INFORMATION

DRIVING DIRECTIONS:
From Charlotte-Douglas International Airport (CLT)

From Atlanta, GA

NEARBY HOTELS:

Hilton Garden Inn
803-325-2800
Government Rate $93
650 Tinsley Way Rock Hill, SC 29730

Hampton Inn
803-325-1100
Government Rate $93
2111 Tarbor Dr.
Rock Hill, SC 29730

Wyndham
803-853-4122
Government Rate $93
760 Galleria Blvd
Rock Hill, SC 29730
United States

FOR EPA REGION 4 STAFF DRIVING FROM ATLANTA:
It is advisable to carpool in government-owned vehicles, if possible. Please use this Ride-Share Spreadsheet to organize carpooling to and from Catawba Indian Nation.

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference
June 10-16, 2018

Additional Region 4 Staff:

Name	Telephone #	Transportation
Brandi Jenkins (RTOC Only)	(404) 702-9239	Brandi has a rental

M&IE = $428.50

6/10/2018	$55.50	6/11/2018	$74.00
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6/16/2018	$48.00		

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Sunday, June 10, 2018

FLIGHT:

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Confirmation Number: G437M5

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Chicago\Rosemont Embassy Suites
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Rosemont, Illinois 60018
Phone: (847) 678-4000
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Check-out: Tuesday, June 12th by Noon
Confirmation Number: 91387419

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference
June 10-16, 2018

Monday, June 11, 2018

8:00 am – 4:00 pm	Regional Administrator meeting Embassy Suites Hotel 8th Floor – Walden Room If you have any problems entering the room call (202) 379-8493

Tuesday, June 12, 2018

FLIGHT:

Leave: Chicago via Delta 977 at 6:00 am (CST)
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Seat: 17B
Confirmation Number: HAT5IM

9:30 am	Regional Monthly Review
12:30 pm	ADEM Title VI Call w/HQ
1:00 pm	Interview with Marlo Moore
1:45 pm	Interview with Brandy Hairston
2:00 pm	Interview with Dawn Kutob
3:15 pm	Call with Commissioner Hatton

FLIGHT:

Leave: Atlanta via Delta 826 at 5:50 pm
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Seat: 23D
Confirmation Number: HAT5IM

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference
June 10-16, 2018

Tuesday, June 12, 2018 (continued)

Hotel:

Le Meridien Charlotte (Starwood Hotels & Resorts)
555 South McDowell Street, North Tower
Charlotte, North Carolina
Phone: (704) 372-9610
Check-in: Tuesday, June 12th after 3 pm
Check-out: Wednesday, June 13th by Noon
1 King Bed
Confirmation Number: 732502456

Wednesday, June 13, 2018

8:30 am – 4:45 pm RTOC
Catawba Indian Nation
996 Avenue of the Nations
Rock Hill, South Carolina

NOTE: Trey's Session: Open Discussion is from 8:45 – 9:45 am

11:00 am – 12:30 pm Rock Hill Brownfields Site Tour
Rock Hill City Hall
215 Hampton Street
Rock Hill, SC

NOTE: POC is Robby Moody (803) 327-9041

FLIGHT:

Leave: Charlotte via American Airlines 5436 at 2:11 pm (EST)
Arrive: Birmingham, Alabama at 2:29 pm (CST)
Seat: Seat will be assigned upon check-in
Confirmation Number: XMATXV

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference
June 10-16, 2018

Thursday, June 14, 2018
Drive POV from Home, to Destin Florida approximately 4 hours and 22 mins/268 miles via I65S

Hotel:

Sandestin Golf and Beach Resort
9300 Emerald Coast Parkway W
W. Destin, Florida 32550
Phone: (866) 701-3720
Check-in: Thursday, June 12th after 3 pm
Check-out: Wednesday, June 13th by Noon
1 King Bed
Confirmation Number: 732502456

10:00 am – 12:00 pm	Federal Everglades Family Call Telephone number will be provided later

Friday, June 15, 2018

8:30 am – 5:00 pm	Southeastern Environmental law & Regulation Conference Sandestin Golf and Beach Resort 9300 Emerald Coast Parkway W. W. Destin, Florida 32550

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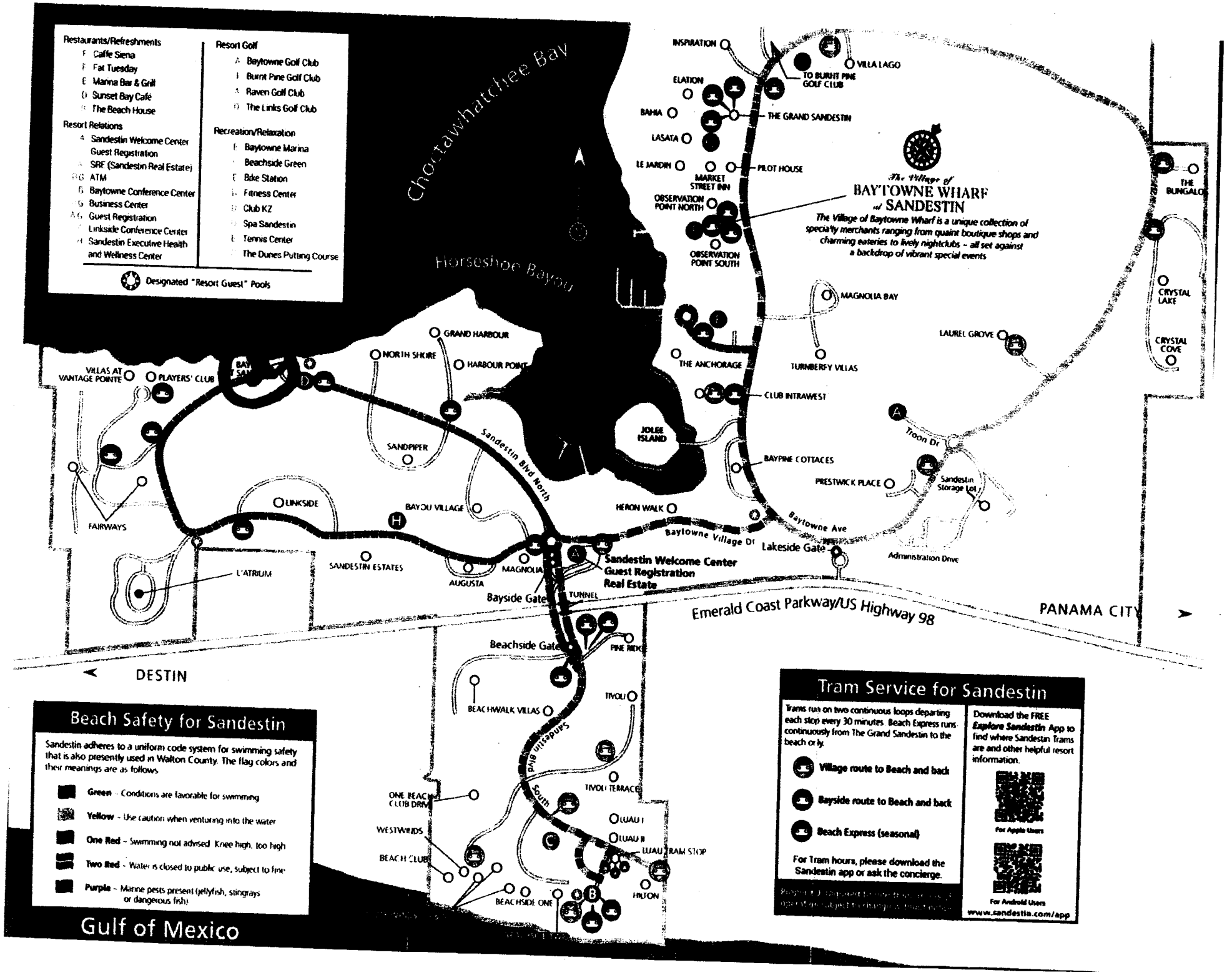
5:00 – 6:30 pm	**Reception in the Bayview Room**

Saturday, June 16, 2018
Drive POV from Destin, Florida to Home approximately 4 hours and 22 mins/268 miles via I65N


Restaurants/Refreshments
Caffe Siena
Fat Tuesday
Manna Bar & Grill
Sunset Bay Café
The Beach House
Resort Relations
Sandestin Welcome Center
Guest Registration
SRE (Sandestin Real Estate)
ATM
Baytowne Conference Center
Business Center
Guest Registration
Linkside Conference Center
Sandestin Executive Health and Wellness Center
Resort Golf
Baytowne Golf Club
Burnt Pine Golf Club
Raven Golf Club
The Links Golf Club
Recreation/Relaxation
Baytowne Marina
Beachside Green
Bike Station
Fitness Center
Club KZ
Spa Sandestin
Tennis Center
The Dunes Putting Course
Designated "Resort Guest" Pools
Choctawhatchee Bay
Horseshoe Bayou
INSPIRATION
VILLA LAGO
TO BURNT PINE GOLF CLUB
ELATION
BAHIA
THE GRAND SANDESTIN
LASATA
LE JARDIN
MARKET STREET INN
PILOT HOUSE
OBSERVATION POINT NORTH
OBSERVATION POINT SOUTH
The Village of
BAYTOWNE WHARF of SANDESTIN
The Village of Baytowne Wharf is a unique collection of specialty merchants ranging from quaint boutique shops and charming eateries to lively nightclubs – all set against a backdrop of vibrant special events
THE BUNGALOW
CRYSTAL LAKE
CRYSTAL COVE
MAGNOLIA BAY
LAUREL GROVE
TURNBERRY VILLAS
THE ANCHORAGE
CLUB INTRAWEST
Troon Dr
BAYPINE COTTAGES
PRESTWICK PLACE
Sandestin Storage Lot
Baytowne Ave
Baytowne Village Dr
Lakeside Gate
Administration Drive
GRAND HARBOUR
NORTH SHORE
HARBOUR POINT
VILLAS AT VANTAGE POINTE
PLAYERS' CLUB
JOLLEE ISLAND
SANDPIPER
Sandestin Blvd North
LINKSIDE
BAYOU VILLAGE
HERON WALK
FAIRWAYS
SANDESTIN ESTATES
AUGUSTA
MAGNOLIA
Sandestin Welcome Center
Guest Registration
Real Estate
L'ATRIUM
Bayside Gate
TUNNEL
Emerald Coast Parkway/US Highway 98
PANAMA CITY
DESTIN
Beachside Gate
PINE RIDGE
BEACHWALK VILLAS
TIVOLI
Sandestin Blvd South
TIVOLI TERRACE
ONE BEACH CLUB DRIVE
WESTWINDS
BEACH CLUB
LUAU I
LUAU II
LUAU TRAM STOP
HILTON
BEACHSIDE ONE
Gulf of Mexico
Beach Safety for Sandestin
Sandestin adheres to a uniform code system for swimming safety that is also presently used in Walton County. The flag colors and their meanings are as follows
Green – Conditions are favorable for swimming
Yellow – Use caution when venturing into the water
One Red – Swimming not advised. Knee high, too high
Two Red – Water is closed to public use, subject to fine
Purple – Marine pests present (jellyfish, stingrays or dangerous fish)
Tram Service for Sandestin
Trams run on two continuous loops departing each stop every 30 minutes. Beach Express runs continuously from The Grand Sandestin to the beach only.
Village route to Beach and back
Bayside route to Beach and back
Beach Express (seasonal)
For Tram hours, please download the Sandestin app or ask the concierge.
Download the FREE Explore Sandestin App to find where Sandestin Trams are and other helpful resort information.
For Apple Users
For Android Users
www.sandestin.com/app

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference

June 10-16, 2018

For flight changes contact:
BCD Travel: (866) 964-1346

Agency Record P5H7NO

$34.50 per change

For all other travel issue contact:
EPA Travel (513) 487-2346

DRIVING DIRECTIONS TO THE BAYSIDE BALLROOM & BAYSIDE AT SANDESTIN

Bayside at Sandestin
160 Sandestin Boulevard North
Miramar Beach, FL 32550

From Highway 98 (from the EAST, Panama City):

- ✓ Turn RIGHT onto Sandestin Boulevard North (BAYSIDE of Sandestin)
- ✓ Stop and check-in with Security
- ✓ Immediately after Security Gate, continue STRAIGHT through the roundabout (following signs to **Bayside**)
- ✓ Continue on Sandestin Boulevard North past the golf course and neighborhoods (Bayou Village, Harbor Point, Sandpiper and Northshore)
- ✓ Continue under the overpass when approaching the Linkside Conference Center area
- ✓ Bayside Ballroom will be on the RIGHT side of the road, adjacent to the Bayside at Sandestin (eight-story blue building)
- ✓ Parking is available on the LEFT

From Highway 98 (from the WEST, Pensacola / Ft. Walton Beach):

- ✓ Travel one mile east past Silver Sands Factory Outlet Center
- ✓ Turn LEFT onto Sandestin Boulevard North (BAYSIDE of Sandestin)
- ✓ Stop and check-in with Security
- ✓ Immediately after Security Gate, continue STRAIGHT through the roundabout (following signs to **Bayside**)
- ✓ Continue on Sandestin Boulevard North past the golf course and neighborhoods (Bayou Village, Harbor Point, Sandpiper and Northshore)
- ✓ Continue under the overpass when approaching the Linkside Conference Center area
- ✓ Bayside Ballroom will be on the RIGHT side of the road, adjacent to the Bayside at Sandestin (eight-story blue building)
- ✓ Parking is available on the LEFT

Southeast Environmental Law Regulation Conference
Friday, June 15, 2018
Bayside Ballroom
160 Sandestin Blvd North
Miramar Beach, Florida 32550

AGENGA

8:30 – 8:45 am Welcome & Introduction
Elizabeth Hamrick, Esq. Program Chair, Alabama State Bar Environmental Law Section (Huntsville, AL)

8:45 – 9:15 am EPA Region 4: Report from the Administrator
Trey Glenn EPA Region 4 Administrator (Atlanta, GA)

9:15 – 10:15 am Federal Regulatory Update
Margaret Caravelli, Esq. Balch & Bingham (Washington, D.C.)

10:15 – 10:30 am Break

10:30 – 11:30 am Alabama & Mississippi 2018 Regulatory Updates
Shawn Sibley, Esq. ADEM (Montgomery, AL)
Gary Rikard, Esq. MS DEQ (Jackson, MS)
Ronald W. Farely, Esq. Moderator (Birmingham, AL)

11:30 – Noon Report from American Bar Association Section of Environment, Energy and Resources
Water of the U.S.: A Long and Winding Road Through the District Courts is About to Begin
John Milner, Esq. Brunini Grantham Grower & Hewes (Jackson, MS)

Noon – 1:30 pm Lunch on you own

1:30 – 2:00 pm Using Radar Data to Generate High-Resolution Rainfall Estimates: Project Site Monitoring and Litigation Application
Time Coleman, PhD Coleman and Knupp (Birmingham, AL)

Southeast Environmental Law Regulation Conference
Friday, June 15, 2018
Bayside Ballroom
160 Sandestin Blvd North
Miramar Beach, Florida 32550

AGENGA (continued)

2:00 – 2:45 pm Issues in Environment Site Assessments. Further Assessment or on to Remediation?
Leonard Diprima, Jr., P.G. United Consulting (Norcross, GA)
Michael Caples, Esq. Butler Snow O'Mara Stevens & Cannada (Jackson, MS)

2:45 – 3:00 pm Break

3:00 – 4:00 pm Using Intelligent Chemistry to Drive High-Quality Data
Evan T. Ogburn Environmental Standards, Inc. (Knoxville, TN)
William S. Cox, III, Esq. Bradley Arant Boult Cummings (Birmingham, AL)

4:00 – 5:00 pm Ethics – Stress 101: An Introduction to the Physiology, Detection, and Management of Stress
Elizabeth Hamrick, Esq. (Huntsville, AL)

5:00 – 6:30 pm Reception in the Bayview Room at the Linkside Conference Center

June 18, 2018 - June 24, 2018

June 2018

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July 2018

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Monday, June 18

- **8:30am - 9:00am DA Visit: Meet with RA & COS** (RA's Private Conference Room) - Glenn, Trey
- **9:30am - 9:45am DA Visit: Depart for Business Roundtable** - Glenn, Trey
- **10:00am - 11:00am DA Visit: Business Roundtable** (Georgia Chamber of Commerce 270 Peachtree Street NW, Atlanta Georgia
- **11:30am - 7:30pm Deputy Administrator Wheeler's Visit to the Region** - Glenn, Trey
- **11:30am - 12:20pm Meeting with Region 4 Senior Leadership and Deputy Administrator Andrew Wheeler** (RA's Conference Room) -
- **12:30pm - 1:30pm DA Visit: Region 4 All Hands Meeting** (2nd Floor
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **2:30pm - 3:15pm Briefing: Everglades Principals Meeting** (RA's
- **3:15pm - 3:45pm DA Visit: CUPP Briefing** (RA's Conference Room) -
- **4:00pm - 4:30pm DA Visit: Visual Management System Walk**

Tuesday, June 19

- **9:00am - 12:30pm North Carolina's State Compliance Meeting** (217 W Jones St, Raleigh, NC 27603) - Glenn, Trey
- **1:36pm - 3:08pm Flight Information** (Raleigh to Atlanta Delta 1803)
- **3:00pm - 5:00pm Quarterly Performance Review** (Alm Room / Regions by Video Conference) - Cody, Karen
- **5:25pm - 7:30pm Flight Information** (Atlanta to Miami Delta 2476)

Wednesday, June 20

Restoration Strategies Principals Meeting (Miami, Florida) - Glenn, Trey

- **10:30am - 12:00pm FW: Restoration Strategies Principals Meeting** (DOI - Office of Everglades Restoration Initiatives - Davie, FL) - Smith, Edward C.

Thursday, June 21

- **9:00am - 5:30pm State Commissioners Meeting Day 1** (Miamia, Florida)

Friday, June 22

- **8:00am - 11:00am State Commissioners Meeting - Day 2** (Miami Florida)
- **1:26pm - 3:26pm Flight Information** (Miami to Atlanta Delta 1460)

Saturday, June 23

Sunday, June 24

Administrator's Quarterly Performance Review

Tuesday, June 19, 2018

9:30 a.m. – 11:30 a.m.

9:30	Welcome, Introductions, and Overview
9:40	Strategic Plan Targets and Challenges
10:30	Agency-Wide Metrics
10:45	Reform Plan Priority Areas
11:25	Follow Up Action Review
11:30	Adjourn

AGENDA
EPA & State Environmental Leaders Meeting

Welcome and Opening Remarks	**9:00am-9:15am**	Noah Valenstein, FDEP Secretary Trey Glenn, Region 4 Administrator
State Review Framework Discussion	**9:15am-11:45am**	Trey Glenn, Region 4 Administrator and Scott Gordon, Director, Office of Enforcement Coordination. Teleconference line will be opened for state enforcement participation. *Conference Line is 888-670-3525/ Code is* (b)(6) personal
Break	**11:45am-12:15pm**	Break and collect meal for Working Lunch
Cooperative Federalism Update	**12:15am-1:00pm**	Trey Glenn, Region 4 Administrator, and Ken Wagner, Senior Advisor to the Administrator for Regional and State Affairs
Lead Action Plan Update	**1:00pm-1:15pm**	Trey Glenn, Region 4 Administrator
Cooperative Federalism During Disaster Response	**1:15pm-2:30pm**	Discussion facilitated by Noah Valenstein, FDEP Secretary, around state response needs prior to and during response, best communication and information sharing protocols, and disaster mitigation approaches. *See questions provided prior to meeting to spur thought and discussion.*
Break	**2:30pm-2:45pm**	
State Roundtable Part 1	**2:45pm -4:15pm**	*20-30 minutes for AL, GA, NC and MS to give updates, successes, share information etc.* Each State would also share a case study, success story, or current problem that they are in the midst of or have completed that would be of interest to other states.
EPA Division Updates	**4:15pm-5:30pm**	EPA Division Directors to provide quick updates, including recent and upcoming announcements/rollouts.
Break for Day and Dinner		Reservations have been made at several local restaurants for small groups to gather. *Sign up will be available starting the morning of June 21st.*

Introduction and Remarks	**8:00am-8:05am**	Trey Glenn, Region 4 Administrator
Help for Small/Rural Water Utilities	**8:05am-8:45am**	Tony Hatton, KDEP Commissioner, and Jeaneanne Gettle, Water Protection Division Director, will discuss Kentucky's experience in water utility regionalization and EPA programs aimed at supporting both small and rural water utilities, including Water Infrastructure Finance and Innovation Act funding, State Revolving Funds, the Energy Management Initiative and the Area-wide Optimization Program.
State Roundtable Part 2	**8:45am-10:15am**	*20-30 minutes for FL, KY, SC and TN to give updates, successes, share information etc.* Each State would also share a case study, success story, or current problem that they are in the midst of or have completed that would be of interest to other states.
PFAS and Emerging Contaminants	**10:15am-10:45am**	Mary Walker, Deputy Regional Administrator, to give update and lead discussion.
Wrap up & Takeaways	**10:45am-11:00am**	Trey Glenn, Region 4 Administrator

June 25, 2018 - July 1, 2018

June 2018

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July 2018

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Monday, June 25

12:00am hold

- **12:00pm - 12:30pm Biweekly Meeting with Directors: Beverly Banister** (RA's Small Conference Room) - Glenn, Trey
- **1:00pm - 1:50pm Follow-up FROM SSES Meeting in DC with John Blevins** (Region 4 61 Forsyth Street SW, Atlanta Georgia 30303 (RA's Conference Room)) - Glenn, Trey
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **3:00pm - 3:30pm NC Radon Grant Briefing** (RA's Conference Room) - Glenn, Trey
- **3:30pm - 4:00pm Biweekly Meeting with Director: Franklin Hill** (RA's Small Conference) - Glenn, Trey

Tuesday, June 26

hold

- **9:00am - 10:30am MPC and Oakridge Briefing with Franklin** (RA's Conference Room) - Glenn, Trey
- **11:00am - 12:00pm Meeting with TVA** (RA's Conference Room) - Glenn, Trey
- **1:00pm - 2:00pm RA Check-In Call** (Phone) - Wagner, Kenneth
- **2:00pm - 3:00pm ORA IO Meeting** (RA Conference Room) - Walker, Mary
- **3:00pm - 4:30pm FY2019 Performance Partnership Agreement (PPA) Priority Alignment Meeting with Florida** (RA's Conference Room Call-in Number (202) 991-0477 Code (b)(6) Glenn, Trey

Wednesday, June 27

hold

- **7:30am - 8:00am hold for Ken**
- **8:00am - 9:00am hold for Mary**
- **9:00am - 10:00am Hold for Meridian**
- **5:00pm - 6:00pm Discussion with Regional Administrators, Call-in Number: 1 866-299-3188, Code:** (b)(6) (3216 WJC-South) - Bodine, Susan

Thursday, June 28

hold

- **9:30am - 10:00am Call with Michael Regan re: PFAS**
- **10:00am - 11:30am Tenure Awards** (9D&E) - Lapierre, Kenneth
- **1:00pm - 2:00pm NPDES Significant Noncompliance Rate Reduction Executive Webinar** (3216 WJC-South) - Bodine, Susan
- **6:00pm - 6:30pm Call with Myra Reece re PFAS**

Friday, June 29

12:00am hold

Saturday, June 30

Sunday, July 1

Official Meeting/Briefing Request for the RA or DRA

Has your Division Director been briefed on this subject, and is he/she aware of your request to set up this meeting? Yes _X___ No ____

NOTE: A briefing sheet needs to accompany this meeting request

Date of Request: June 21, 2018

Requestor: Beverly H. Banister and Carol L. Kemker
Phone No.: 404-562-9326 and 404-562-8975

Name of Meeting: NC Radon Failure to meet Grant Term and Condition

Purpose of Meeting: Gain input from the RA prior to briefing the AA for OAR, Bill Wehrum

Is the Meeting Date Sensitive? Yes x No ☐	**Deadline Date:**	
Meeting Date/Time Preference #1	Date: June 25, 2018	Time: any
Meeting Date/Time Preference #2	Date: June 26, 2018	Time: morning
Meeting Date/Time Preference #3	Date:	Time:

NOTE: All requested dates should be at least one week out. This request will be discussed on Friday.

Duration of Meeting: Unless otherwise indicated meetings will be scheduled for 45 minutes: 30 mins to present/15 mins Q&A
Do you need a conference number: Yes _____ NO__x__

Background:
There is a state injunction preventing NC DHHS from meeting a term and condition of their radon grant. It is a term and condition of national significance and EPA must determine next steps prior to deciding whether to award FY18 funding.

Expectations from Meeting (Please be specific: Are you looking for a decision, guidance?)
If you are looking for a decision, give a date by when this decision must be made. _____
Guidance for briefing Bill Wehrum.

No. of Participants: 5-8 **(It is very important that the RA's office is aware of how many and whom...no surprises; i.e., we were told 2 staff members and 10 show up)**	Names of Required Invitees: Beverly Banister, Leif Palmer, Robin Allen, Gregg Worley, Carol Kemker	Optional Invitees: Ken Mitchell, Amber Davis, Suzanne Rubini

Requested Meeting Location:
Please email **final** slides, background documents etc., to **Wanda Hudson** and **Brandi Jenkins** 2-days prior to the scheduled meeting; failure to receive finalized documentation may cause your meeting to be rescheduled. Your Power-point presentation (if any) will be loaded and ready for showing at the scheduled meeting. All slides and background information will be printed for the RA, DRA, their Special Assistants and the COS by the front. **For a*ny critical issues that need to be elevated, please email Brandi Jenkins and Blake Ashbee.

PPA/PPG Priority Alignment Meeting with Florida

EPA Region 4/Atlanta Sam Nunn Atlanta Federal Center
14th Floor West, RA Conference Room
61 Forsyth Street, Atlanta, GA 30303
(Call-in number 1-202-991-0477 Code (b)(6) personal

Tuesday, June 26, 2018
3:00 p.m. – 4:30 p.m. EST

AGENDA

3:00 p.m. **Opening Remarks**
- *Onis Trey Glenn, Regional Administrator*
- *John Truitt, Deputy Secretary Regulatory Programs*

3:10 p.m. **Highlights and Feedback from 2018 Regional PPA/PPG Process**
- *Onis Trey Glenn, Regional Administrator*
- *John Truitt, Deputy Secretary Regulatory Programs*

3:30 p.m. **High Level Priority Discussion**
- *Onis Trey Glenn, Regional Administrator*
- *John Truitt, Deputy Secretary Regulatory Programs*

4:15 p.m. **2019 Process and Timeline** – *Ken Lapierre, Assistant Regional Administrator*

FY 2019 Timeline	
• High level priority alignment call with Florida	June 26th
• Region to share PPG work plan template with State using SharePoint	July
• State to submit PPG application (without final work plan)	August
• Work plan negotiations • State to submit draft FY19 PPG work plan in SharePoint (August) • Region reviews state work plan comments (August) • State notified to respond to EPA comments in SharePoint (September) • State to submit final draft work plan to EPA for approval (September)	August - September
• State/programs notified that the work plan is approved in SharePoint	October
• State to submit signed work plan	October
• Signed work plan is routed for RA signature	October

4:25 p.m. **Closing Remarks** - *Onis Trey Glenn, Regional Administrator*

4:30 p.m. **Meeting Adjourned**

July 2, 2018 - July 8, 2018

July 2018

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August 2018

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Monday, July 2

Monthly Parking Due (Pay online)

- **12:00pm - 12:30pm General Discussion - SOLDAY Plan Update** (RA Conference room) - Walker, Mary
- **1:30pm - 2:00pm Reorg Discussion** (RA's Conference Room) - Glenn, Trey
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **3:00pm - 3:30pm Biweekly Meeting with Directors: Ken Lapierre** (RA's Small Conference Room) - Glenn, Trey
- **3:30pm - 4:00pm Daicel Briefing** (RA's Conference Room/Call-in (404) 562-9997 Code: (b)(6) Glenn, Trey

Tuesday, July 3

- **11:00am - 12:00pm Paducah Briefing** (SF Conference Room and Phone Call-in (202) 991-0477 Conference Code (b)(6) Glenn, Trey
- **1:00pm - 6:00pm Annual Leave**

Wednesday, July 4

Holiday

Thursday, July 5

- **2:00pm - 6:00pm Leave**

Friday, July 6

- **3:00pm - 4:00pm RA Briefing with Deputy Administrator Wheeler** (Teleconference) - Wheeler, Andrew

Saturday, July 7

Sunday, July 8

Department of Energy - Paducah Gaseous Diffusion Plant McCracken County, KY (KY8890008982)

Subject: Annual Update to the Site Management Plan (SMP), Fiscal Year (FY) 2018 7/3/2018

Status and Path Forward: The draft final (D2) SMP is not responsive to KDEP and EPA comments on to the draft (D1). As of July 3, 2018, there are two Informal Disputes on the FY2018 SMP that are running on concurrent schedules for resolution:

- On 5/16/18, KDEP invoked Informal Dispute with DOE.
- On 5/16/18, EPA issued a Conditional Concurrence for additional discussion. On 7/15/18, DOE invoked Informal Dispute with EPA.

Key Issue 1: The D2 SMP is not in compliance with the Federal Facility Agreement (FFA) requirement to include out-year completion dates (enforceable milestones) for certain Operable Units (OU).

KDEP and EPA are in agreement: DOE must comply with the FFA and include out-year enforceable milestones for certain OUs.

Key Issue 2: The SMP delays the Waste Disposal Alternatives (WDA) schedule for a potential future an On-Site Waste Disposal Facility (OSWDF) with first receipt of cleanup wastes no sooner than FY2035 (17 years from now). All FFA cleanup project schedules (other than C-400) are also delayed 17-35 years to dovetail with the OSWDF construction. 95% of the forecast wastes are rad contaminated uranium enrichment building demolition wastes.

KDEP and EPA are not in agreement:

- KDEP wants to force DOE to make an earlier decision on the potential future waste disposal facility.
- EPA acknowledges DOE's need to complete certain Deactivation activities in the buildings over the next ten years, delaying the WDA OSWDF decision. EPA seeks incorporation of additional cleanup projects that can be conducted in tandem with the C-400 Complex OU between 2020 and 2035, with a Plant Area Vapor Intrusion Study as a priority project.

Underlying Issue: The FFA Parties differ on the interpretation of the August 2017 C-400 Complex OU MOA. DOE takes the position that the C-400 MOA and undocumented Senior Manager verbal agreements define the SMP priorities (first C400 Complex, then the WDA OSWDF through 2035), define schedules (all other cleanup 2035 - 2065) and limit DOE cleanup budget requests to Congress until FY2035.

KDEP and EPA are in agreement:

- The limited scope of the C-400 MOA was not intended to be, and is not, controlling for cleanup work through 2035.
- The MOA does not modify the FFA to change the requirement (common to all Federal Facility Superfund Sites) to collaboratively review cleanup priorities and schedules with milestones for FY, FY+1 and FY+2, then pursue the budget from Congress to meet those milestones and schedules, on an annual basis.
- *Milestones drive the pace of cleanup progress in communities that host federal facility Superfund sites and the Paducah SMP needs more milestones that are more aggressive to move cleanup forward.*

Next Steps:

- A call to discuss those EPA Conditions that do not overlap with the KY Informal Dispute is scheduled for July 3.
- DOE has declined to discuss the Key Issues (noted above) at the Informal Dispute level, stating that these issues will be elevated for Formal Dispute.

Deadline for the KY/DOE and the DOE/EPA Informal Disputes: July 15, 2018.
Per the Federal Facility Agreement, the dispute deadline may be extended by 15 days, to July 29, if the parties agree.

Contact: Franklin E. Hill, Division Director, x28599

Paducah GDP - Notes for Informal Dispute Call - June 29th, 2018

C400 Complex OU - D2 Removal Notification: Informal Dispute on EPA Conditions related to basement characterization prior to flowable fill installation.

The C400 Complex MOA states (emphasis added):

3. C-400 Complex Remedial Investigation (RI) - Field Start 1st Quarter 2020.
a. Physical demolition of the C-400 Building down to slab will be completed prior to the C-400 Complex RI field start date in order to facilitate a comprehensive remedial investigation in support of remedy selection. DOE will conduct a combined Remedial Investigation/Feasibility Study (RI/FS) for the C-400 Complex area that includes an investigation of all remaining building structure(s) (e.g., slab and subsurface structures) and releases of any hazardous substances to soils and groundwater associated with the C-400 Building and C-400 Complex area operations (including, but not limited, to TCE DNAPL areas considered principal threat waste). The D1 RI/FS Report will identify remedial alternatives based on the results of the RI.

- DOE did not identify the installation of flowable fill in the basement subsurface areas as a Deactivation end state for the building (prior to conduct of the RI) in their C400 Deactivation Status Update (October 2017 powerpoint).
- DOE's intention to fill basement areas with flow fill prior to RI characterization of the subsurface structures was not identified until submittal of the D1 RN in February 2018.
- DOE's identification of the number and extent of basement areas in C400 and limited details on the flow fill plan did not occur until March 14, 2018, and has continued to be refined during scoping discussions.
- DOE forecast submission of a sampling and analysis plan and QAPP for the basement areas in April for execution in early to mid-May. Subsequently, DOE advised that they were conducting "due diligence" on the basement areas. DOE/FRNP requested a meeting on May 3 in EPA R4 offices to discuss possible path forward options for presentation to DOE leadership.

DOE's proposal to install flow fill prior to the RI for the subsurface basement structures is inconsistent with the terms and conditions of the MOA.

- The MOA does not discuss basements or the installation of flow fill in basements, only demolition down to slab.
- **IF** DOE identified during MOA negotiations (through 08-08-2017) a concern with basements/subsurface areas and their intent to install flow fill prior to completing the RI characterization of the subsurface areas for CERCLA hazardous substances, it is clear from the MOA language that the Senior Managers did not embrace the DOE proposal.

EPA's Conditions on the Removal Notification (and subsequently repeated in comments on the D1 EE/CA) request that DOE complete the CERCLA characterization of the basement areas ("the subsurface structures") as an RI activity and prior to flow fill installation: these Conditions are fully consistent with the MOA, DOE's obligation to comply with CERCLA and the NCP.

- **EPA's Conditions (issued May 7) specifically incorporated the path forward options jointly scoped by DOE, FRNP, KY and EPA during the May 3 ATL meeting.**
- EPA's conditions offer the flexibility of a "Phase I" RI Work Plan or incorporation of the scope of work into the EE/CA for the Building demolition.
- Both are FFA primary documents for which KY and EPA have review/approval authority to ensure the protectiveness of the response action, *including any TCRA, NTCRA or interim action (as contemplated by Section 3 of the MOA)* to address contamination and wastes associated with the subsurface structures prior to the installation of flow fill.
- **EPA's conditions do not prevent DOE demolition of the C-400 Building down to slab on schedule and in support of the comprehensive RI effort.**
- **In fact, all parties agreed on May 3 that the basement areas work plan was already scoped in the majority and committed (including the TSCA SME) to meet in KY or TN in late May/early June to complete the scoping and approve the work plan in real time.**

July 9, 2018 - July 15, 2018

July 2018

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August 2018

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Monday, July 9

- **12:00pm - 12:30pm Biweekly Meeting with Directors: Beverly Banister** (RA's Small Conference Room) - Glenn, Trey
- **1:00pm - 1:30pm BI-Weekly Meetings with Directors: Jeaneanne Gettle** (RA's Private Conference Room) - Glenn, Trey
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **3:30pm - 4:00pm Biweekly Meeting with Director: Franklin Hill** (RA's Small Conference) - Glenn, Trey
- **5:30pm - 6:15pm All-Hands Political Team Meeting** (WJC-N 3530 / Video Conference (Regions) / Conference Call 866.299.3188; Code:[redacted] - Ford, Hayley

Tuesday, July 10

- **8:00am - 5:00pm Hold for Henry Darwin**
- **8:45am - 9:00am GA Authorization** (14T64 (Trey's office)) - Glenn, Trey
- **12:00pm - 12:30pm Call with Peter Grevatt**
- **2:30pm - 3:15pm All Managers Meeting** (9D and 9E) - Monell, Carol
- **5:56pm - 7:11pm Flight Information** (Atlanta to Nashville)

Wednesday, July 11

EPA/DOE/TDEC Meeting (Chattanooga, TN) - Glenn, Trey

- **9:30am - 10:00am Meeting with Trey Glenn** (312 Rosa L. Parks Ave, Nashville TN 37243 (Commissioner Meghreblian's Conference Room)) - Glenn, Trey
- **10:00am - 12:00pm DOE/TDEC/EPA Meeting** (TDEC: 312 Rosa L. Parks Ave Nashville, TN 37243 (Commissioner Meghreblian's Conference Room)) - Glenn, Trey
- **12:30pm - 1:30pm KY DEP/DOE and EPA Meeting regarding Paducah** (312 Rosa L. Parks Ave, Nashville TN 37243 (Commissioner Meghreblian's Conference Room)) - Glenn, Trey
- **3:00pm - 3:30pm Flight Information** (Nashville to Atlanta)
- **5:30pm - 6:00pm South GA Ag Tour Prep** (RA Back Conference Room) - Glenn, Trey

Thursday, July 12

- **8:00am - 5:00pm South GA Tour with Commissioner Black**

Friday, July 13

- **2:00pm - 2:30pm MS Phophates & Update on contracting for site** (Call) - Glenn, Trey
- **3:00pm - 3:30pm Call with Representative Meadows** (Call-in (404) 562-9997 ID [redacted] - Glenn, Trey

Saturday, July 14

Sunday, July 15

DOE/TDEC and EPA Meeting
July 10-11, 2018

Additional Region 4 Staff:

Name	Telephone #	Transportation
N/A	N/A	Public Transportation/Uber

M&IE = $129.75

7/10/2018 $44.25 7/11/2018 $44.25

Total: $88.50

Tuesday, July 10, 2018

FLIGHT:

Leave: Atlanta via Delta 2826 at 5:56 pm
Arrive: Nashville, TN at 6:11 pm
Seat: 28E
Confirmation Number: HXX2CF

Hotel:

Hilton Nashville Airport
2200 Elm Hill Pike
Nashville, TN 37214
Phone: (615) 883-9770
Check-in: Tuesday, July 10th after 3 pm
Check-out: Wednesday, July11th by Noon
1 King Bed
Confirmation Number: 3470741269

DOE/TDEC and EPA Meeting
July 10-11, 2018

Wednesday, July11, 2018

DRESS: **Business Casual**

DOE/TDEC/EPA Meeting **9am-11am**
The purpose of the meeting is to provide a Program Update of cleanup-related items currently underway in Oak Ridge. This meeting would include the three executives and some key staff members of their choice.

KY DEP/DOE and EPA Meeting regarding Paducah **11:30am-12:30pm**
312 Rosa L. Parks Ave, Nashville TN 37243 (Commissioner Meghreblian's Conference Room)

FLIGHT:

Leave: Nashville, TN via Delta 1530 at 2:30 pm
Arrive: Atlanta at 4:45 pm
Seat: 19A
Confirmation Number: HXX2CF

For flight changes contact:
BCD Travel: (866) 964-1346

Agency Record SMW6DC

$34.50 per change

For all other travel issue contact:
EPA Travel (513) 487-2346

July 16, 2018 - July 22, 2018

July 2018

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

August 2018

Su	Mo	Tu	We	Th	Fr	Sa
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Monday, July 16

- **9:30am - 10:00am Brief Meeting** (Phone Call) - Glenn, Trey
- **12:00pm - 12:30pm Biweekly Meeting with Directors: Vickie Tellis (SESD)** (RA's Small Conference Room) - Glenn, Trey
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **3:30pm - 4:00pm Biweekly Meeting with Directors: Leif Palmer** (RA's Small Conference Room) - Glenn, Trey

Tuesday, July 17

12:00am Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) - Glenn, Trey

- **9:00am - 12:00pm July's Regional Monthly Review** (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Glenn, Trey
- **10:00am - 10:45am Ethylene Oxide Emissions and Identified Potential Health Risks** (WJC - N 5400 + Video with RTP + 202-991-0477 + (b)(6) [redacted] Wehrum, Bill

Wednesday, July 18

Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) - Glenn, Trey

12:00am Senior Leadership and Regional Administrator Meeting (EPA HQ)

- **1:00pm - 4:15pm Senior Leadership Council (times may vary)** (EPA 1153 WJC East) - Wheeler, Andrew

Thursday, July 19

Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) - Glenn, Trey

Senior Leadership and Regional Administrator Meeting (EPA HQ)

- **8:30am - 3:00pm**
- **8:30am - 3:00pm Senior Leadership Council: Budget Forum (times may vary) (SAVE THE DATE)** (EPA 1153 WJC East) - Wheeler, Andrew
- **3:30pm - 5:00pm RA/AA National Program and Regional Round Table** (Conference Room 3530 WJC North) - Wagner, Kenneth

3:30pm - 5:00pm Canceled: Subject: Regional Administrators Meeting with the Assistant Administrators (time may vary)

- **5:00pm - 6:00pm All Hands Political Team Meeting** (Green Room) - Wheeler, Andrew

6:30pm - 9:00pm SLC Dinner (Dock 79 - 79 Potomac Avenue, SE Washington DC) - Richardson, RobinH

Friday, July 20

Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) - Glenn, Trey

12:00am Senior Leadership and Regional Administrator Meeting (EPA HQ)

8:30am - 12:00pm Regional Administrators meeting with Assistant Administrators (DCRoomARN3530CFTB/DC-Ariel-Rios-AO) - Wagner, Kenneth

9:00am - 12:00pm Canceled: Regional Administrators' Meeting with Assistant Administrator's (times may vary) (SAVE THE DATE) (Conference Room 3530 WJC North) - Wheeler, Andrew

Saturday, July 21

Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) - Glenn, Trey

Sunday, July 22

Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) - Glenn, Trey

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JUN 19 2018

OFFICE OF THE
CHIEF FINANCIAL OFFICER

MEMORANDUM

SUBJECT: Senior Leadership Council Meetings on State and Tribal Engagement and Budget and Planning

FROM: Holly W. Greaves, Chief Financial Officer
Office of the Chief Financial Officer

TO: General Counsel
Assistant Administrators
Inspector General
Chief of Staff
Associate Administrators
Regional Administrators

I look forward to seeing everyone at the Senior Leadership Council meeting on July 18-20, 2018, at the U.S. Environmental Protection Agency headquarters. On July 18, we will convene as a group in the afternoon with the leadership of the Environmental Council of States and the National Tribal Caucus, local government representatives, and other leaders. On July 19, we will hold the Budget and Planning Meeting. This session will facilitate discussion and planning for the upcoming FY 2020 OMB Submission as well as important longer-term strategic issues. The enclosed agenda outlines expectations and the schedule for these discussions.

The focus of the meeting is on achieving or accelerating progress toward our strategic objectives. To ensure we have productive conversations and make the best use of our time together, the agenda contains guiding questions for each session. We are seeking your input in advance of the meeting to inform our discussions. There may be some cases where funding will make a difference and accelerate progress. Therefore, we are asking you to work together to provide a limited set of ideas for multi-year, multi-media investments that cross program lines and would support progress in our strategic objectives and priorities. Additionally, we are asking for each national program manager and regional office to provide responses to a set of questions related to long-term workforce planning. These items will be due by July 3, 2018, and consolidated results of this data collection effort will be provided to you before the meeting.

In addition, please review the questions for the discussion with ECOS, tribes and other organizations on July 18 and the workforce discussions on July 19 shown on the agenda and come prepared to discuss them from both the EPA-wide perspective but also through the lens of your program or region. Details on the pre-work request will be provided in follow-on guidance from the Office of Budget and the Office of Planning, Analysis and Accountability.

Logistical information for the SLC was previously provided by the Office of Congressional and

Intergovernmental Relations. This information, including the agenda, is centrally available at the following SharePoint link.

Should you have any questions on the Budget and Planning Meeting or this memo you may reach out to me or your staff may contact Beth Baden at baden.beth@epa.gov or (202) 564-7628.

Attachment

cc: Administrator
Deputy Administrator
Assistant Deputy Administrator and Chief of Operations
Deputy General Counsel
Deputy Assistant Administrators
Deputy Inspector General
Acting Deputy Chief of Staff
Deputy Associate Administrators
Associate Assistant Administrators
Deputy Regional Administrators
Senior Resource Officials
Paige Hanson
Senior Budget Officers
Regional Comptrollers

Senior Leadership Council Engagement Meeting
with States, Tribes, Local, And Other Leaders
July 18, 2018 (1:00 pm – 4:25 pm)
EPA East 1153

Purpose: Identify strategies for how EPA can change the way we work with state, tribal, local, and other partners to strengthen cooperative federalism and shared governance in implementing the *FY 2018-FY 2022 EPA Strategic Plan.*

Outcome: EPA senior leadership will gain a better understanding of state, tribal, local, and other partner priority areas and will consider them in continuing to implement the *FY 2018- FY 2022 EPA Strategic Plan.*

Attendees:

- **EPA:** Deputy Administrator, Chief of Operations, Assistant Administrators, Deputy Assistant Administrators, Regional Administrators, Deputy Regional Administrators
- **Environmental Council of the States:** President, Vice-President, Secretary-Treasurer, Past President, Executive Director
- **National Tribal Caucus Executive Committee:** Chair, Vice-Chair, Secretary
- **National Association of State Departments of Agriculture:** President, Second Vice President, Secretary-Treasurer, At-Large, Western Region
- **Local Government Advisory Committee:** Chair, Small Communities Advisory Subcommittee Vice Chairman, 2 LGAC Members
- **Association of State and Territorial Health Officials:** President, Environmental Health Policy Committee Chair

Time	Topic	Speaker
1:00 – 1:15	Introductions & Opening Remarks	Scott Pruitt, Administrator
1:15 – 1:20	**Meeting Purpose**: Identify strategies for how EPA can work better together with state, tribal and local partners to strengthen cooperative federalism and shared governance in achieving results in key priority areas. **Approach**: Discussion leads will introduce the topic and discussion questions.	Henry Darwin, Chief of Operations
1:20 – 2:00	**Permitting** Topic Introduction: Henry Darwin, EPA Chief of Operations <u>Discussion Questions</u> 1. What strategies can we employ to address permitting process improvement opportunities? 2. How can we better articulate shared goals and opportunities for permitting process improvement in the FY 2020-2021 National Program Guidances?	EPA, State, Tribal, Local & Other Leaders

2:00 – 2:40	**Lead** Topic Introduction: Hayley Hughes, National Lead Coordinator Discussion Questions 1. What are best practices or what is currently working to reduce and/or prevent lead exposures in your community? 2. What recommendations do you have for building capacity, increasing public engagement, and fostering communication opportunities?	
2:40 – 2:55	Break	
2:55 – 3:35	**Superfund** Topic Introduction: Steve Cook, Deputy Assistant Administrator for Office of Land and Emergency Management Discussion Questions 1. Considering the work of the Superfund Task Force over the last year, what positive changes have you seen and what disappointments do you have? What suggestions do you have for EPA going forward as we complete implementing the Task Force recommendations? 2. Some sites have remedies installed 10+ years ago and include institutional controls (ICs) as part of the long-term remedy. How do we work together and with the local community on the following issues? a. Ensuring ICs are effective over the long term b. Addressing new (emerging) contaminants from these mature sites c. Communicate/discuss risks to newcomers to the community	
3:35 – 4:15	**Non-Attainment Areas** Topic Introduction: Bill Wehrum, Assistant Administrator for Office of Air and Radiation Discussion Questions 1. EPA recognizes that states have primary responsibility for air pollution prevention and control. How can EPA best support states in preparing attainment plans and requests to redesignate areas from nonattainment? Are there tools, guidance, and technical assistance that will be critical to achieving clean air and to address interstate and international pollution? 2. As EPA looks at reforms to the way it sets and implements National Ambient Air Quality Standards, are there new flexibilities consistent with the Clean Air Act that would be particularly useful for you as a co-regulator and would achieve meaningful environmental protection? Are there resources or opportunities to engage state, local, and tribal co-regulators earlier in the process?	
4:15 – 4:25	Wrap-Up and Next Steps	Andrew Wheeler, Deputy Administrator

FY 2020 Budget and Planning Meeting
July 19, 2018 (8:30 am - 2:45 pm)
EPA East 1153

Purpose: Convene senior leaders from across the Agency to discuss budget priorities and the alignment of resources and FTE with the FY 2018 – FY 2022 Strategic Plan.

Outcome: Input from senior leaders to support the FY 2020 budget and multi-year resource planning, as well as FY 2019 where feasible.

Attendees: All senior EPA leaders (DA, COO, AAs, DAAs, RAs, DRAs)

Time	Topic	Speaker
8:30 – 8:45 (15 Minutes)	**Introductions & Opening Remarks** The Administrator will set the context for the day.	Scott Pruitt, Administrator
8:45 – 9:05 (20 Minutes)	**Agency Priorities** Henry Darwin will present strategic and reform priorities as context for budget and workforce discussions.	Henry Darwin, Chief of Operations
9:05 – 9:30 (25 Minutes)	**Budget Context Presentation** The CFO/DCFO will deliver a presentation on the Agency's budget to establish context for the day's discussions. Topics will include the status of Congressional action on FY 2019 and OMB guidance for FY 2020. Presentation will include relevant background information on resource trends including fixed costs, FTE levels and payroll requirements, as well as reform plan proposals and President's Management Agenda highlights that may impact budget. Will include Q&A.	Holly Greaves, Chief Financial Officer and David Bloom, Deputy CFO
9:30 – 11:30 (2 Hours)	**Workforce Discussion and Alignment with Strategic Plan** *Pre-Work: Attendees will be provided the guiding questions in advance to prepare. Input for session 1 only will be gathered in advance of the meeting.* *Session 1 – Long-term Workforce Planning* Purpose: Engage senior leaders on a strategic discussion of human capital. Focus will be on long term considerations and nearer-term actions for workforce and staffing to advance strategic priorities and support what we heard from our external partners the day before. Guiding questions: • What does the workforce need to advance the strategic priorities (i.e., tools, technology, training)? • Do we have the right people, with the right skills, in the right places? If not, how do we get there? • What about succession planning? Are we doing enough? Do we need to do anything differently?	Facilitated Plenary Discussion

	Session 2 – FTE Alignment Purpose: Discuss the choices and flexibilities available within the current operating targets to optimize the alignment of FTE allocations with Strategic Plan objectives and priority work. Guiding questions: • Within the FTE levels provided in the FY 2018 Enacted budget, what adjustments would programs make to best advance the Strategic Plan? • Given upcoming priorities and expected programmatic workload, are there red flag issues with the current allocation?	
11:30 – 12:30 (1 Hour)	**Lunch**	
12:30 – 2:30 (2 Hours)	**FY 2020 and Multi-Year Funding Priorities to Advance the Strategic Plan** Purpose: Identify challenges and opportunities to advance agency priorities in FY 2020 and out-years. CFO/DCFO will outline FY 2020 and multi-year planning approaches and initiate discussion. (15 minutes) *Pre-Work: Attendees will be provided guiding questions and asked for input in advance to prepare. Programs will be asked to work together to develop initial ideas on potential multi-office and multi-year investments.* Guiding Questions: • If funding could help accelerate progress in an agency strategic priority what would that priority be? • What are the top multi-media investment areas – multi-year or shorter term - that could accelerate our progress? Are some ready for inclusion in FY 2020 submission? • Are there areas where the work has evolved and we should change our approach? • Within the amounts provided in the FY 2018 Enacted budget, are there problem areas which could cause us to not meet strategic priorities or work?	Facilitated Plenary Discussion
2:30 – 2:45 (15 Minutes)	**Wrap-Up and Next Steps**	Andrew Wheeler, Deputy Administrator Henry Darwin, Chief of Operations

Senior Leadership Council Engagement with States, Tribes, Local and Other Leaders
July 18, 2018 (1:00 pm – 4:25 pm)
EPA East 1153

FINAL AGENDA

Purpose: Identify strategies for how EPA can change the way we work with state, tribal, local, and other partners to strengthen cooperative federalism and shared governance in implementing the *FY 2018-FY 2022 EPA Strategic Plan.*

Outcome: EPA senior leadership will gain a better understanding of state, tribal, local, and other partner priority areas and will consider them in continuing to implement the *FY 2018- FY 2022 EPA Strategic Plan.*

Time	Topic	Speaker
1:00 – 1:15	Introductions & Opening Remarks	Andrew Wheeler, Acting Administrator
1:15 – 1:20	**Meeting Purpose**: Identify strategies for how EPA can work better together with state, tribal and local partners to strengthen cooperative federalism and shared governance in achieving results in key priority areas. **Approach**: Session leads will introduce the topic and discussion questions.	Henry Darwin, Acting Deputy Administrator
1:20 – 2:00	**Permitting** Topic Introduction: Henry Darwin, Acting Deputy Administrator <u>Discussion Questions</u> 1. What strategies can we employ to address permitting process improvement opportunities? 2. How can we better articulate shared goals and opportunities for permitting process improvement in the *FY 2020-2021 National Program Guidances*?	EPA, State, Tribal, Local & Other Leaders
2:00 – 2:40	**Lead** Topic Introduction: Hayley Hughes, National Lead Coordinator <u>Discussion Questions</u> 1. What are best practices or what is currently working to reduce and/or prevent lead exposures in your community? 2. What recommendations do you have for building capacity, increasing public engagement, and fostering communication opportunities?	
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4:15 – 4:25	Wrap-Up and Next Steps	Andrew Wheeler, Acting Administrator

Meeting Attendees – State, Tribal, Local and Other Leaders

Environmental Council of States

Todd Parfitt	Director, WY DEQ & ECOS President
Becky Keogh	Director AR DEQ & ECOS Vice President
Jim Macy	Director NE DEQ & ECOS Secretary/Treasurer
John Linc Stine	Commissioner MN PCA & ECOS Past President
Pat Stevens	Assistant Deputy Secretary WI DNR & ECOS Planning Committee Chair
Sam Sankar	ECOS Executive Director
Carolyn Hanson	ECOS Deputy Director
Beth Graves	Executive Project Manager

National Tribal Caucus

Paula Britton	NTC Chair
Gerald Wagner	NTC Vice Chair
Scott Clow	NTC Secretary

Association of State and Territorial Health Officials

Dr. Larry Wolk	Executive Director & Chief Medical Officer, CDPHE

National Association of State Departments of Agriculture

Doug Goehring	ND Agriculture Commissioner & Second Vice President of NASDA
Jim Reese	OK Agriculture, Food, and Forestry Secretary

Local Government Advisory Committee

Bob Dixson	Chairman of LGAC Mayor of Greenburg, KS
Brian Fulton	Jackson County, MS Administrator
Karen Freeman-Wilson	Mayor of Gary, IN
Dr. Hector Gonzalez	Director of City of Laredo Health Department

FY 2020 Budget and Planning Meeting
July 19, 2018 (8:30 am - 2:45 pm)
EPA East 1153

Purpose: Convene senior leaders from across the Agency to discuss budget priorities and the alignment of resources and FTE with the FY 2018 – FY 2022 Strategic Plan.

Outcome: Input from senior leaders to support the FY 2020 budget and multi-year resource planning, as well as FY 2019 where feasible.

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9:05 – 9:30 (25 Minutes)	**Budget Context Presentation** The CFO/DCFO will deliver a presentation on the Agency's budget to establish context for the day's discussions. Topics will include the status of Congressional action on FY 2019 and OMB guidance for FY 2020. Presentation will include relevant background information on resource trends including fixed costs, FTE levels and payroll requirements, as well as reform plan proposals and President's Management Agenda highlights that may impact budget. Will include Q&A.	Holly Greaves, Chief Financial Officer and David Bloom, Deputy CFO
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	we heard from our external partners the day before. Guiding questions: • What does the workforce need to advance the strategic priorities (i.e., tools, technology, training)? • Do we have the right people, with the right skills, in the right places? If not, how do we get there? • What about succession planning? Are we doing enough? Do we need to do anything differently? *Session 2 – FTE Alignment* Purpose: Discuss the choices and flexibilities available within the current operating targets to optimize the alignment of FTE allocations with Strategic Plan objectives and priority work. Guiding questions: • Within the FTE levels provided in the FY 2018 Enacted budget, what adjustments would programs make to best advance the Strategic Plan? • Given upcoming priorities and expected programmatic workload, are there red flag issues with the current allocation?	
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1:15 – 1:20	**Meeting Purpose**: Identify strategies for how EPA can work better together with state, tribal and local partners to strengthen cooperative federalism and shared governance in achieving results in key priority areas. **Approach**: Session leads will introduce the topic and discussion questions.	Henry Darwin, Acting Deputy Administrator
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9:30 – 11:30 (2 Hours)	**Workforce Discussion and Alignment with Strategic Plan** *Pre-Work: Attendees will be provided the guiding questions in advance to prepare. Input for session 1 only will be gathered in advance of the meeting.* *Session 1 – Long-term Workforce Planning* Purpose: Engage senior leaders on a strategic discussion of human capital. Focus will be on long term considerations and nearer-term actions for workforce and staffing to advance strategic priorities and support what	Facilitated Plenary Discussion

	we heard from our external partners the day before. Guiding questions: • What does the workforce need to advance the strategic priorities (i.e., tools, technology, training)? • Do we have the right people, with the right skills, in the right places? If not, how do we get there? • What about succession planning? Are we doing enough? Do we need to do anything differently? *Session 2 – FTE Alignment* Purpose: Discuss the choices and flexibilities available within the current operating targets to optimize the alignment of FTE allocations with Strategic Plan objectives and priority work. Guiding questions: • Within the FTE levels provided in the FY 2018 Enacted budget, what adjustments would programs make to best advance the Strategic Plan? • Given upcoming priorities and expected programmatic workload, are there red flag issues with the current allocation?	
11:30 – 12:30 (1 Hour)	**Lunch**	
12:30 – 2:30 (2 Hours)	**FY 2020 and Multi-Year Funding Priorities to Advance the Strategic Plan** Purpose: Identify challenges and opportunities to advance agency priorities in FY 2020 and out-years. CFO/DCFO will outline FY 2020 and multi-year planning approaches and initiate discussion. (15 minutes) *Pre-Work: Attendees will be provided guiding questions and asked for input in advance to prepare. Programs will be asked to work together to develop initial ideas on potential multi-office and multi-year investments.* Guiding Questions: • If funding could help accelerate progress in an agency strategic priority what would that priority be? • What are the top multi-media investment areas – multi-year or shorter term - that could accelerate our progress? Are some ready for inclusion in FY 2020	Facilitated Plenary Discussion

	submission? • Are there areas where the work has evolved and we should change our approach? • Within the amounts provided in the FY 2018 Enacted budget, are there problem areas which could cause us to not meet strategic priorities or work?	
2:30 – 2:45 (15 Minutes)	**Wrap-Up and Next Steps**	Andrew Wheeler, Acting Administrator Henry Darwin, Acting Deputy Administrator

RA/AA National Program and Regional Round Table Discussion

HQ RA Meeting Agenda
Thursday, July 19, 2018
3:30 PM - 4:50 PM ET
HQ North Building Room 3530

I. **Welcome and Brief Introductions** (15 min)

II. **Open Forum Discussion Moderated by ADA Henry Darwin and Ken Wagner** (60 min)
Objective: Frank and candid conversations between the National Programs and Regions

RA/AA National Program and Regional Discussion

HQ RA Meeting Agenda
Friday, July 20, 2018
8:30 AM – 12:00 PM ET
HQ North Building Room 3530

I. **Welcome**

II. **Executive Orders – Krysti Corbett, Labor and Employment Relations Division** (30 min)

III. **Assistant Administrator Office of General Counsel – Matt Leopold** (30 min)
9:00am to 9:30am

IV. **Deputy Assistant Administrator OCSPP – Nancy Beck** (20 min)
9:35am to 9:55am

V. **Assistant Administrator OECA – Susan Bodine** (30 min)
10:00am to 10:30am

VI. **Assistant Administrator Office of Air and Radiation – Bill Wehrum** (30 min)
10:35am to 11:05am

VII. **Assistant Administrator Office of Water – Dave Ross** (30 min)
11:10am to 11:40am

VIII. **Deputy Assistant Administrator OLEM – Steven Cook** (20 min)
11:45am to 12:05pm

IX. **Deputy Assistant Administrator ORD – Richard Yamada** (20 min)
12:10pm to 12:30pm

July 23, 2018 - July 29, 2018

July 2018

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August 2018

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Monday, July 23

← **Senior Leadership Meeting, Hill Visit and Everglades** → (Washington, DC) - Glenn, Trey

12:00am Hill Visits (Washington, D.C.) - Glenn, Trey →

- **9:30am - 10:00am Morning Meeting** (Conference Call) - Glenn, Trey
- **10:00am - 10:30am General with Trey Glenn** (3402 WJC-N) - Jackson, Ryan
- **12:00pm - 12:30pm Trey Glenn/Peter Wright Meeting** (3146 EPA West) - Glenn, Trey
- **1:00pm - 1:30pm Canceled: RA Hill visit w/ Cong. Hudson (R-NC)** (Cannon House Office Building, 429, Washington, DC 20515) -
- **2:00pm - 3:00pm Senior Staff Meeting** (Alm Room) - Cody, Karen
- **3:00pm - 3:15pm Donna Vizian**
- **4:00pm - 4:15pm RA Hill visit w/ Sen. Wicker (R-MS)** (Dirksen Senate Office Building, SD-555, Washington, DC) - Marraccini, Davina
- **5:15pm - 5:45pm RA Hill visit with Senator Jones (D-AL)** (Russell

Tuesday, July 24

← **Senior Leadership Meeting, Hill Visit and Everglades** → (Washington, DC) - Glenn, Trey

← **12:00am Hill Visits** (Washington, D.C.) - Glenn, Trey

- **8:30am - 9:30am Call: Discuss Strategic Plan for Lowndes County, Alabama** - Glenn, Trey
- **11:30am - 12:00pm RA Hill visit w/ Cong. Aderholt (R-AL)** (Cannon House Office Building, 235, Washington, DC 20515) - Marraccini,
- **12:00pm - 1:30pm Meeting: Commissioner Meghreblian** (Cannon House Office Building)
- **1:30pm - 2:00pm RA Hill visit w/ Cong. Rouzer (R-NC)** (Cannon
- **2:30pm - 3:00pm RA Hill visit with Sen. Alexander and TDEC**
- **3:15pm - 3:45pm RA Hill visit with Cong. Buddy Carter (R-GA)**
- **4:00pm - 4:30pm RA Hill visit w/ Senator Hyde-Smith (R-MS)**
- **5:00pm - 5:30pm RA Hill visit w/Cong. Fleischmann** (2410 Rayburn
- **6:00pm - 7:00pm Briefing: South Florida Ecosystem Restoration**

Wednesday, July 25

← **12:00am Senior Leadership Meeting, Hill Visit and Everglades** (Washington, DC) - Glenn, Trey

- **10:00am - 3:15pm SOUTH FLORIDA ECOSYSTEM RESTORATION TASK FORCE** (Yates Auditorium, 1849 C Street, NW, Washington, DC 20240) - Glenn, Trey
- **3:45pm - 4:15pm General Discussion with Trey Glenn** (WJC - N 5400) - Wehrum, Bill
- **4:30pm - 5:00pm Meeting w/Trey Glenn** (WJCN 4318) - Glenn, Trey

Thursday, July 26

- **1:00pm - 1:45pm Ethylene Oxide Emissions Follow-up** (WJC - N 5400 + Video RTP + 202-991-0477 + 680-2581) - Wehrum, Bill
- **1:45pm - 2:15pm Briefing on Mobile, AL Monitoring Issue** (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Glenn, Trey

Friday, July 27

12:00am Wanda Leave - Hudson, Wanda →

Saturday, July 28

← **Wanda Leave** - Hudson, Wanda →

Sunday, July 29

← **Wanda Leave** - Hudson, Wanda →

Senior Leadership Council Engagement with States, Tribes, Local and Other Leaders
July 18, 2018 (1:00 pm – 4:25 pm)
EPA East 1153

FINAL AGENDA

Purpose: Identify strategies for how EPA can change the way we work with state, tribal, local, and other partners to strengthen cooperative federalism and shared governance in implementing the *FY 2018-FY 2022 EPA Strategic Plan.*

Outcome: EPA senior leadership will gain a better understanding of state, tribal, local, and other partner priority areas and will consider them in continuing to implement the *FY 2018- FY 2022 EPA Strategic Plan.*

Time	Topic	Speaker
1:00 – 1:15	Introductions & Opening Remarks	Andrew Wheeler, Acting Administrator
1:15 – 1:20	**Meeting Purpose**: Identify strategies for how EPA can work better together with state, tribal and local partners to strengthen cooperative federalism and shared governance in achieving results in key priority areas. **Approach**: Session leads will introduce the topic and discussion questions.	Henry Darwin, Acting Deputy Administrator
1:20 – 2:00	**Permitting** Topic Introduction: Henry Darwin, Acting Deputy Administrator <u>Discussion Questions</u> 1. What strategies can we employ to address permitting process improvement opportunities? 2. How can we better articulate shared goals and opportunities for permitting process improvement in the *FY 2020-2021 National Program Guidances*?	EPA, State, Tribal, Local & Other Leaders
2:00 – 2:40	**Lead** Topic Introduction: Hayley Hughes, National Lead Coordinator <u>Discussion Questions</u> 1. What are best practices or what is currently working to reduce and/or prevent lead exposures in your community? 2. What recommendations do you have for building capacity, increasing public engagement, and fostering communication opportunities?	
2:40 – 2:55	Break	

2:55 – 3:35	**Superfund** Topic Introduction: Steve Cook, Deputy Assistant Administrator for Office of Land and Emergency Management <u>Discussion Questions</u> 1. Considering the work of the Superfund Task Force over the last year, what positive changes have you seen and what disappointments do you have? What suggestions do you have for EPA going forward as we complete implementing the Task Force recommendations? 2. Some sites have remedies installed 10+ years ago and include institutional controls (ICs) as part of the long-term remedy. How do we work together and with the local community on the following issues: a. Ensuring ICs are effective over the long term b. Addressing new (emerging) contaminants from these mature sites c. Communicate/discuss risks to newcomers to the community	
3:35 – 4:15	**Non-Attainment Areas** Topic Introduction: Bill Wehrum, Assistant Administrator for Office of Air and Radiation <u>Discussion Questions</u> 1. EPA recognizes that states have primary responsibility for air pollution prevention and control. How can EPA best support states in preparing attainment plans and requests to redesignate areas from nonattainment? Are there tools, guidance, and technical assistance that will be critical to achieving clean air and to address interstate and international pollution? 2. As EPA looks at reforms to the way it sets and implements National Ambient Air Quality Standards, are there new flexibilities consistent with the Clean Air Act that would be particularly useful for you as a co-regulator and would achieve meaningful environmental protection? Are there resources or opportunities to engage state, local, and tribal co-regulators earlier in the process?	
4:15 – 4:25	Wrap-Up and Next Steps	Andrew Wheeler, Acting Administrator

Meeting Attendees – State, Tribal, Local and Other Leaders

Environmental Council of States

Todd Parfitt	Director, WY DEQ & ECOS President
Becky Keogh	Director AR DEQ & ECOS Vice President
Jim Macy	Director NE DEQ & ECOS Secretary/Treasurer
John Linc Stine	Commissioner MN PCA & ECOS Past President
Pat Stevens	Assistant Deputy Secretary WI DNR & ECOS Planning Committee Chair
Sam Sankar	ECOS Executive Director
Carolyn Hanson	ECOS Deputy Director
Beth Graves	Executive Project Manager

National Tribal Caucus

Paula Britton	NTC Chair
Gerald Wagner	NTC Vice Chair
Scott Clow	NTC Secretary

Association of State and Territorial Health Officials

Dr. Larry Wolk	Executive Director & Chief Medical Officer, CDPHE

National Association of State Departments of Agriculture

Doug Goehring	ND Agriculture Commissioner & Second Vice President of NASDA
Jim Reese	OK Agriculture, Food, and Forestry Secretary

Local Government Advisory Committee

Bob Dixson	Chairman of LGAC Mayor of Greenburg, KS
Brian Fulton	Jackson County, MS Administrator
Karen Freeman-Wilson	Mayor of Gary, IN
Dr. Hector Gonzalez	Director of City of Laredo Health Department

FY 2020 Budget and Planning Meeting
July 19, 2018 (8:30 am - 2:45 pm)
EPA East 1153

Purpose: Convene senior leaders from across the Agency to discuss budget priorities and the alignment of resources and FTE with the FY 2018 – FY 2022 Strategic Plan.

Outcome: Input from senior leaders to support the FY 2020 budget and multi-year resource planning, as well as FY 2019 where feasible.

Attendees: All senior EPA leaders (Acting Administrator, Acting Deputy Administrator, AAs, DAAs, RAs, DRAs)

Time	Topic	Speaker
8:30 – 8:45 (15 Minutes)	**Introductions & Opening Remarks** The Administrator will set the context for the day.	Andrew Wheeler, Acting Administrator
8:45 – 9:05 (20 Minutes)	**Agency Priorities** Henry Darwin will present strategic and reform priorities as context for budget and workforce discussions.	Henry Darwin, Acting Deputy Administrator
9:05 – 9:30 (25 Minutes)	**Budget Context Presentation** The CFO/DCFO will deliver a presentation on the Agency's budget to establish context for the day's discussions. Topics will include the status of Congressional action on FY 2019 and OMB guidance for FY 2020. Presentation will include relevant background information on resource trends including fixed costs, FTE levels and payroll requirements, as well as reform plan proposals and President's Management Agenda highlights that may impact budget. Will include Q&A.	Holly Greaves, Chief Financial Officer and David Bloom, Deputy CFO
9:30 – 11:30 (2 Hours)	**Workforce Discussion and Alignment with Strategic Plan** *Pre-Work: Attendees will be provided the guiding questions in advance to prepare. Input for session 1 only will be gathered in advance of the meeting.* *Session 1 – Long-term Workforce Planning* Purpose: Engage senior leaders on a strategic discussion of human capital. Focus will be on long term considerations and nearer-term actions for workforce and staffing to advance strategic priorities and support what	Facilitated Plenary Discussion

	we heard from our external partners the day before. Guiding questions: • What does the workforce need to advance the strategic priorities (i.e., tools, technology, training)? • Do we have the right people, with the right skills, in the right places? If not, how do we get there? • What about succession planning? Are we doing enough? Do we need to do anything differently? *Session 2 – FTE Alignment* Purpose: Discuss the choices and flexibilities available within the current operating targets to optimize the alignment of FTE allocations with Strategic Plan objectives and priority work. Guiding questions: • Within the FTE levels provided in the FY 2018 Enacted budget, what adjustments would programs make to best advance the Strategic Plan? • Given upcoming priorities and expected programmatic workload, are there red flag issues with the current allocation?	
11:30 – 12:30 (1 Hour)	**Lunch**	
12:30 – 2:30 (2 Hours)	**FY 2020 and Multi-Year Funding Priorities to Advance the Strategic Plan** Purpose: Identify challenges and opportunities to advance agency priorities in FY 2020 and out-years. CFO/DCFO will outline FY 2020 and multi-year planning approaches and initiate discussion. (15 minutes) *Pre-Work: Attendees will be provided guiding questions and asked for input in advance to prepare. Programs will be asked to work together to develop initial ideas on potential multi-office and multi-year investments.* Guiding Questions: • If funding could help accelerate progress in an agency strategic priority what would that priority be? • What are the top multi-media investment areas – multi-year or shorter term - that could accelerate our progress? Are some ready for inclusion in FY 2020	Facilitated Plenary Discussion

	submission? • Are there areas where the work has evolved and we should change our approach? • Within the amounts provided in the FY 2018 Enacted budget, are there problem areas which could cause us to not meet strategic priorities or work?	
2:30 – 2:45 (15 Minutes)	**Wrap-Up and Next Steps**	Andrew Wheeler, Acting Administrator Henry Darwin, Acting Deputy Administrator

SOUTH FLORIDA ECOSYSTEM RESTORATION TASK FORCE

DRAFT Agenda

U.S. Department of the Interior
Yates Auditorium
1849 C Street, NW, Washington, DC 20240
July 25, 2018

Task Force Role: *The intergovernmental South Florida Ecosystem Restoration Task Force was created by the Congress in 1996 to provide the long-term strategic coordination of efforts to restore the 18,000 square mile South Florida Ecosystem. Its duties are to provide intergovernmental coordination, review project plans for the Comprehensive Everglades Restoration Plan (CERP), exchange information, facilitate the resolution of conflict, coordinate programmatic science, assist members in their restoration activities, report on restoration progress, and promote public participation.*

10:00 – 10:10	1. **Welcome, Goals for the Meeting and Administrative Items** ***Purpose:*** *The agenda will be presented and administrative items will be reviewed.*	Susan Combs Drew Bartlett
10:10 – 10:30	2. **Task Force Member Introductions and Opening Remarks** ***Purpose:*** *Each member has the option of providing brief introductory remarks at this time.*	ALL
10:30 – 10:50	3. **Task Force Administration** ***Purpose:*** *The Office of Everglades Restoration Initiatives (OERI) will present the charter procedures for agency and tribal representation appointments to the Working Group (WG) and Science Coordination Group (SCG). Recommendations for Chair and Vice Chair of the WG and SCG will be presented for Task Force appointment. The Chairs of the WG and SCG will brief the Task Force on their current and future 2018 activities.*	Kevin Burger WG Chair SCG Chair
10:50 – 11:10	4. **2018 Task Force Reporting Requirements** ***Purpose:*** *OERI will provide an overview of the Task Force's 2018 reports.* • **Strategy:** *Responds to Congressional direction (House Conference Report 106-479) to outline how the restoration effort will occur.* • **Biennial Report:** *Restoration progress report required by the Water Resources Development Act (WRDA) of 1996.* • **Integrated Financial Plan:** *Annual report with detailed restoration project information that supplements the Biennial Report; required by WRDA 1996.* • **System-wide Ecological Indicators Report:** *Assesses current ecosystem health and tracks ecosystem response to restoration.*	Allyn Childress Nick Aumen
11:10 – 11:35	5. **Corps Program and Project Update** ***Purpose:*** *The U.S. Army Corps of Engineers (Corps) will provide an update on ongoing restoration planning, design and construction.*	Howie Gonzales
11:35 – 11:50	6. **Lake Okeechobee: Herbert Hoover Dike Construction / Water Management** ***Purpose:*** *The Herbert Hoover Dike is a 143-mile earthen dam that surrounds Lake Okeechobee, the heart of the Kissimmee-Okeechobee-Everglades system. It reduces impacts from flooding as a result of high lake levels for a large area of south Florida. The Corps has made significant investment in projects designed to reduce the risk of catastrophic failure of the aging structure. The Corps will provide an update on construction efforts and water management in accordance with the Lake Okeechobee Regulation Schedule.*	Tim Murphy LTC Jennifer Reynolds

11:50 – 12:10	7. **SFWMD Program and Project Update** ***Purpose:*** *The South Florida Water Management District (SFWMD) will provide an update on ongoing restoration planning, design and construction.*	Megan Jacoby
12:10 – 12:30	**General Public Comment** ***Purpose:*** *Opportunity for input and feedback on the preceding agenda items.*	
12:30 – 1:30	**Lunch Break** *Note: Bison Bistro, the DOI cafeteria, is located on the basement level.*	
1:30 – 2:00	8. **Central Everglades Planning Project (CEPP) – Post Authorization Change Report Update** ***Purpose:*** *The SFWMD will review the Tentatively Selected Plan for the Everglades Agricultural Area Storage Reservoir for the CEPP Post Authorization Change Report. Update will include next steps.*	Eva Velez
2:00 – 2:15	9. **Tamiami Trail Next Steps, Phase 2 Update** ***Purpose:*** *In early 2017, the National Park Service (NPS) began examining options for reconstructing the remaining lower portions of the eastern Tamiami Trail roadway through a partnership with the Federal Highway Administration (FHWA). The Florida Department of Transportation (FDOT) also began work on a parallel study in early 2018. The NPS/FHWA/FDOT are continuing efforts to develop an optimized approach to complete the remaining roadway reconstruction and supplemental conveyance features. The ongoing planning for Phase 2 of the Tamiami Trail Next Steps project will be discussed. Completion of this project is a requirement prior to fully implementing the Central Everglades Planning Project and related CERP initiatives. The NPS will provide an update.*	Bob Johnson
2:15 – 2:30	10. **Integrated Delivery Schedule (IDS) Update** ***Purpose:*** *The IDS provides the roadmap for sequencing, planning, design and construction of both federal and state projects related to Everglades restoration. The Corps will provide an update.*	Kim Taplin
2:30 – 2:50	11. **National Research Council (NRC) Report** ***Purpose:*** *Consistent with the requirements of WRDA 2000, the Secretary of the Army, the Secretary of Interior and the Governor of Florida established an independent review panel through the NRC. The Committee on Independent Scientific Review of Everglades Restoration Progress (CISRERP) was asked to present a report every two years on CERP progress. A status update will be provided by the NRC on "Progress Toward Restoring the Everglades, The Seventh Biennial Review, 2018" due in the fall.*	Stephanie Johnson
2:50 – 3:10	**General Public Comment** ***Purpose:*** *Opportunity for input and feedback on the preceding agenda items.*	
3:10 – 3:15	12. **Assignments, Next Steps and Closing Comments**	Susan Combs Drew Bartlett
3:15	**Adjourn**	

Updated 6/29/18