



Department of
**Environment &
Conservation**

Public Meeting
Volunteer Sand & Gravel, LLC

July 7, 2020

6:00 pm CDT – Informational Session

Meeting Format

- The public meeting will be presented via a WebEx video-teleconference.
 - **5:45 pm CDT** - The video-teleconference will open to participants at
 - **6:00 pm CDT** - An informational session will begin with a short presentation followed by a question and answer period until 7:00 pm.
- Participants may join online, via the WebEx app available to iPhone and Android phones, or by phone call. Participants are highly encouraged to join online or with the WebEx app in order to view slides, and other content which will be shared by the Division.

How to Join Hearing

- **Join via Computer**
 - Complete Sign-in Survey
 - Connect with WebEx web link
- **Join via the Cisco WebEx Meetings App**
 - Available on iPhone and Android
- **Join via Phone (Not Recommended)**
 - +1-415-655-0003 US TOLL
 - Access code: 161 444 7672
- If you have trouble connecting to the hearing, please call:615-532-0533

Joining By Computer

- For WebEx only:
 - <https://tngov.webex.com/tngov/j.php?MTID=m3b6576f7562a2736fb42e29ad570b4ae>
 - **Meeting Number (Access Code):** 161 444 7672
 - **Password:** Meeting (case sensitive)
- If your computer does not have a microphone you will need to also call in or join by app to speak with TDEC.

Joining By Computer (Cont'd)

- Follow the link provided to be directed to the WebEx screen.

Enter your full name
and email address.

Click "Join Meeting"



test

Hosted by Brooke Barrett

● 12:35 PM - 1:35 PM | Wednesday, Feb 12 2020 |
(UTC-06:00) Central Time (US & Canada)

Your name

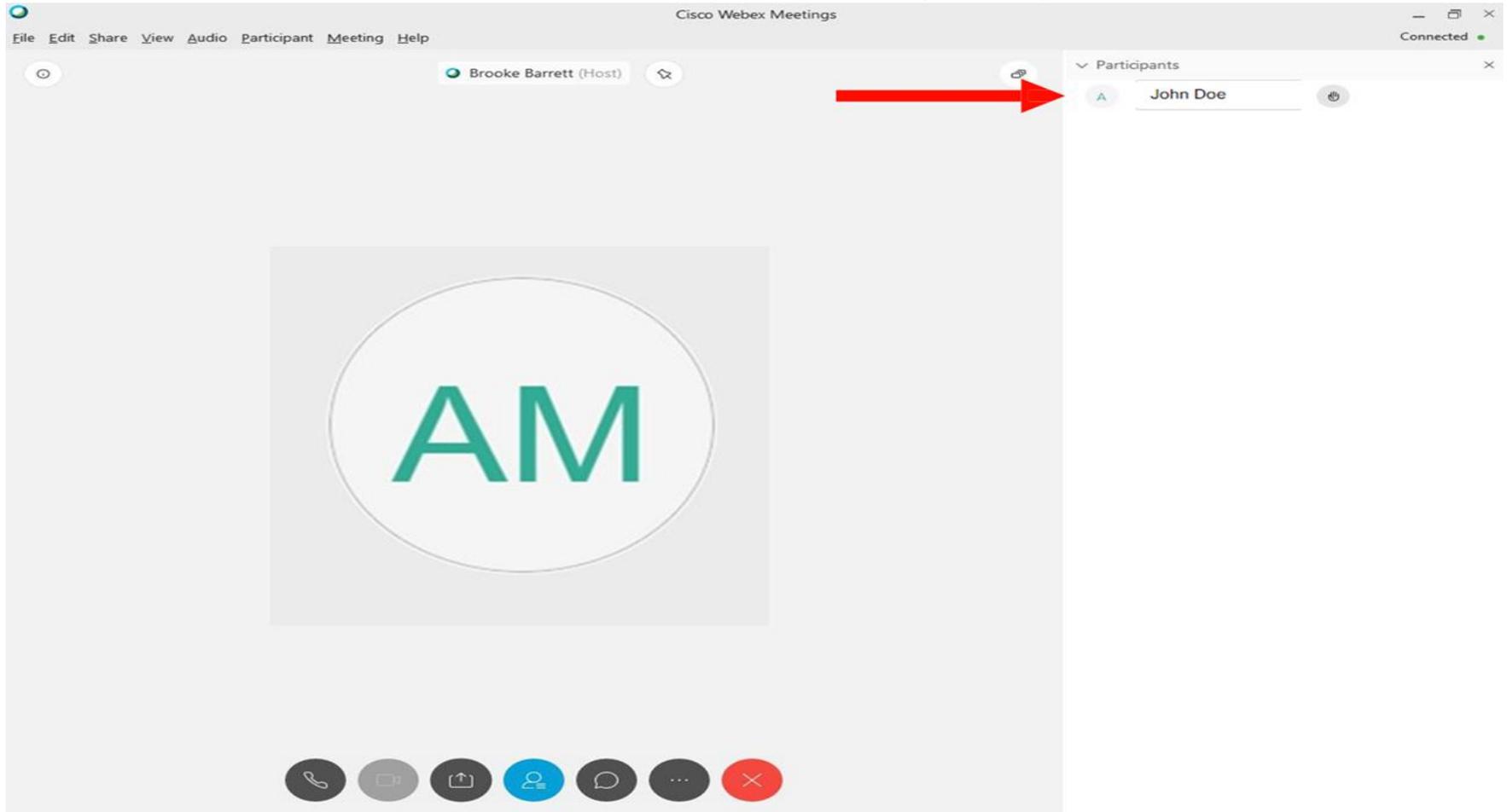
Your email address

Join Meeting



Joining By Computer (Cont'd)

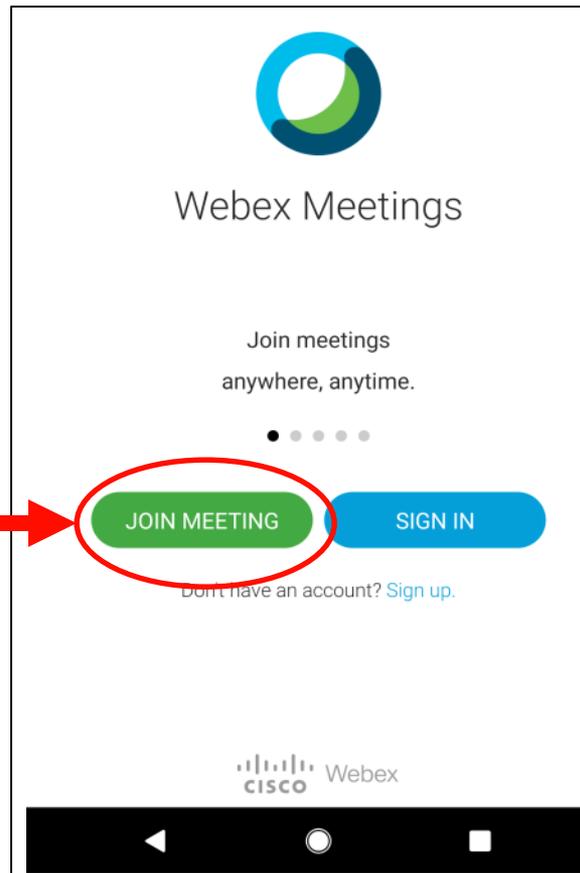
- You will be connected. Note your name in the "participants" sidebar.



Joining by App

- Install the “Cisco WebEx Meetings” app from your app store
- After installing and opening the app on your device, you will see this screen:

Click the “join meeting” button



Joining by App (Cont'd)

Enter the Meeting
Number: **161 444 7672**

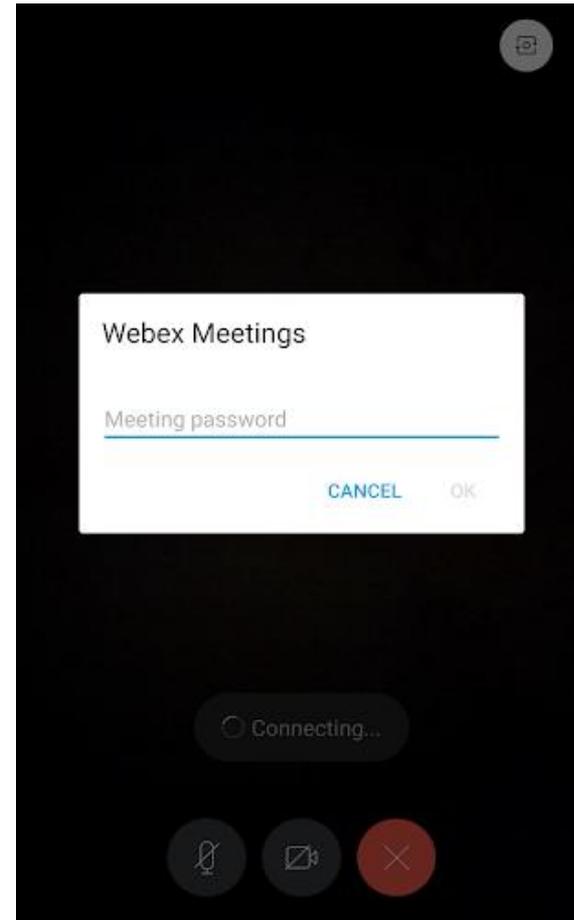
Enter your full name

Enter your email address

The screenshot shows the 'Join Meeting' interface. At the top left is a back arrow and the title 'Join Meeting'. At the top right is a 'JOIN' button. Below the title is a text input field labeled 'Meeting number or URL'. A red arrow points from the meeting number '161 444 7672' in the instruction box to this field. Below this field is a paragraph: 'If you are invited to a Personal Room, you can enter the URL.' followed by the URL 'company.webex.com/meet/**username**'. Below the URL is another text input field labeled 'Your name'. A red arrow points from the instruction 'Enter your full name' to this field. Below the name field is a third text input field labeled 'Email address'. A red arrow points from the instruction 'Enter your email address' to this field.

App: Enter the Password

Enter the provided meeting password: “**Meeting**” and click “OK.”

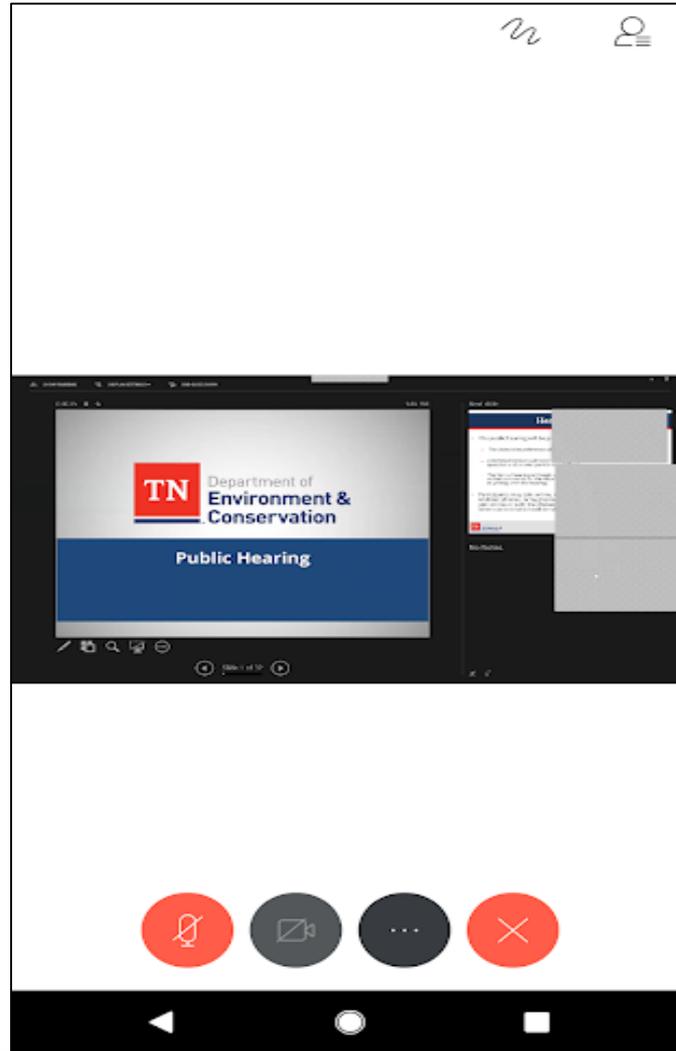


App: You are Connected

- The WebEx will look similar to this one.

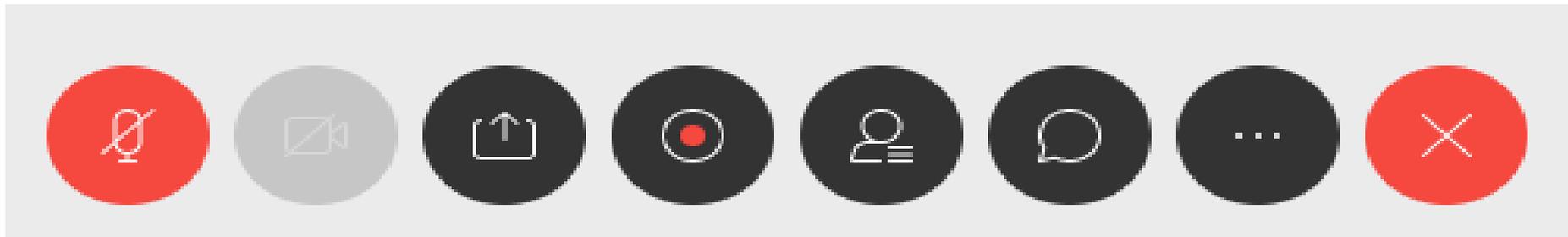


Mute/
Unmute Your
Camera
on/off More
Options Exit



WebEx Options

- Below are options available to use during the WebEx.
 - Note: Some options may be disabled by the host.



Mute

Webcam

Share
Content

Record

Participants

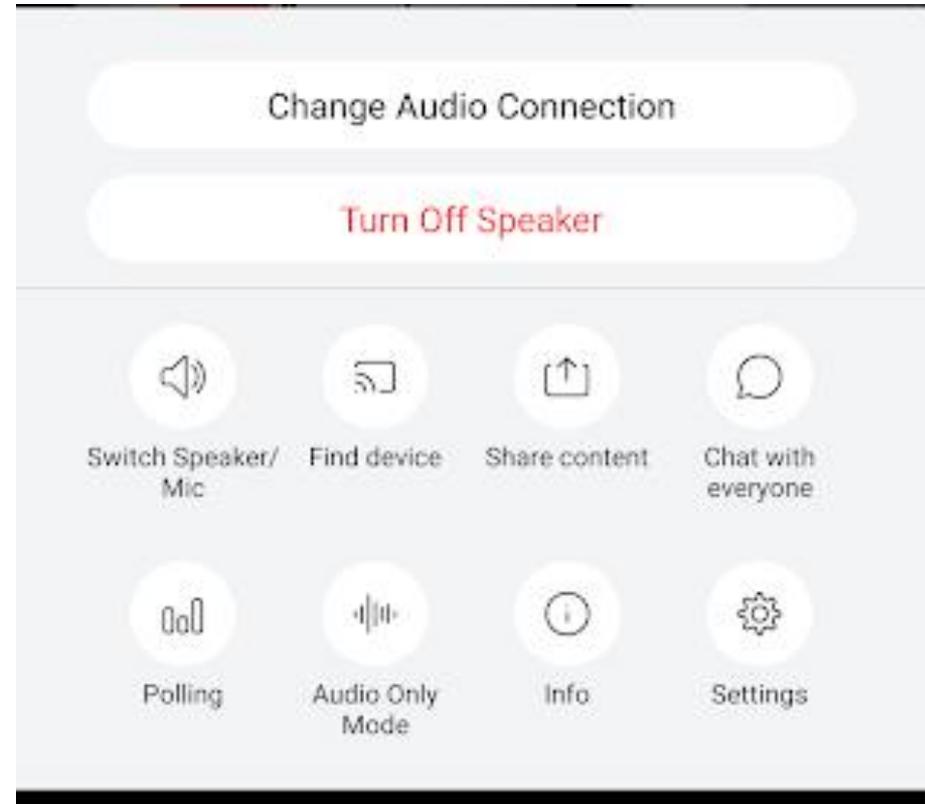
Chat with
All

More
Options

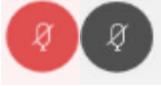
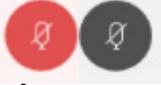
End/
Leave

App Options

- If you select the “more options” button:  you can use the “Turn off Speaker” button to switch to talking through your phone like on a phone call. This will allow participants to hear you better than if you were on speaker.
- Some WebEx options may be disabled by the host.



All Platforms: How to Speak

- To reduce background noise, participants will be muted upon joining the WebEx.
- For phone calls: you will be able to mute and un-mute yourself if you are muted by pressing *6.
- For phone WebEx apps: speak by un-muting and muting the microphone button. 
- For computers: you can talk using the computer's microphone and speaker system and using the microphone button on the WebEx application. 
 - If your computer does not have a microphone and speaker system, you may view the materials on the computer, but you must call in or join via the app to speak.

Etiquette

- At designated times during the Informational Session, participants will be given the opportunity to ask questions and receive feedback and answers from Division staff. During this time you may un-mute your device to speak. Please re-mute yourself after speaking.
 - The host can also mute and un-mute participants.
- If participants are disruptive, they may be re-muted by the host, or removed from the WebEx.



Red microphone button means you are muted.



Black microphone button means everyone can hear you.



Department of
**Environment &
Conservation**

Informational Session

Volunteer Sand & Gravel, LLC

July 7, 2020
6:00 pm CDT

Agenda

- **6:00 p.m. Informational Session Begins**
 - i. Welcome and Overview
 - Jaclyn Mothupi, Moderator
 - ii. Presentations from
 - i. TDEC
 - ii. Applicant
 - iii. Receipt of Public Comments
 - iv. Closing

Introductions

- Air permits are facilitated by the Tennessee Department of Environment and Conservation (TDEC), Division of Air Pollution Control (DAPC). **Please note that the DAPC will not be formally responding to comments in writing. Tonight is an informal public meeting in which staff will conduct a short presentation with relevant information and then be available for questions and answers from those in attendance.
- TDEC staff members present:
 - Will Collins
 - Moe Baghernejad
- Volunteer Sand & Gravel, LLC staff members present:
 - Chad Swallows

Construction Permit Process

- *Chapter 9 of our state rules 1200-03-09-.01(1)(a):*

“...no person shall begin the construction of a new air contaminant source or the modification of an air contaminant source...without first having applied for and received...a construction permit....”

- *Chapter 9 of our state rules 1200-03-09-.01(1)(b):*

“The application for a construction permit shall be made on forms available from the Technical Secretary not less than ninety (90) days prior to the estimated starting date of construction.”

Construction Permit Process

- Apply 90 days prior to construction
- Application received
- 30 day completeness review period
- Public notice and 30 day public comment period
- Drafted construction permit
- Applicant ensure that the proposed facility will comply with prepared permit conditions, applicable state and federal air quality regulation and recordkeeping.
- Approved copy signed by the Technical Secretary
- Final construction permit saved as a PDF and sent to applicant to be post at the permitted facility

**How does the State of Tennessee
“maintain purity of the air resources?”**



Via Laws, Regulations & Permits

Tennessee Code Annotated (TCA) 68-201-103

- It is the intent and purpose of this (law) to maintain purity of the air resources of the state consistent with the protection of normal health, general welfare and physical property of the people, maximum employment and the full industrial development of the state.
- The board and department shall seek the accomplishment of these objectives through the prevention, abatement and control of air pollution by all practical and economically feasible methods.

Key Regulations for Sand and Gravel Processing

State - TAPCR

Chapter 5: 1200-03-05-.01 Visible Emission

Chapter 8: 1200-03-08-.01 Fugitive Dust.

Permits are issued to protect public health

- The Division issues permits that are protective of public health. The Division also has a comprehensive inspection program implemented by our field services group, as well as a compliance validation group involved in the direct measurement of air contaminants from emission sources. If an applicant has shown they will meet the rules and regulations, the Division will proceed with permit issuance.
- Permits contain limits and work practice standards that are required by rules and regulations, implemented to protect public health, and contain monitoring, recordkeeping, and reporting requirements that are designed to demonstrate compliance with those limits and work practice standards.
- Unless otherwise exempt, any person wishing to construct an air contaminant source or to modify an existing air contaminant source, is required to obtain a construction permit from the Division.



®

Sand and Gravel Processing

Sand and Gravel Processing

- The construction permit application submitted is for a sand and gravel processing operation. This source would be classified as a “True Minor Source.”
- Division of Air Pollution Control has given the following identification numbers:
 - Facility ID: 43-0120
 - Construction Permit Number: 978163
- This proposed Sand and Gravel Processing Operation is a wet process from the beginning to the end, it's consist of a screen, conveyors and associated equipment for sizing sand and gravel.

Sand and Gravel Processing

- The main emissions from this Sand and Gravel Processing Operation is Fugitive Dust or Fugitive Particulate Matter (PM) created from road dust.
- “Wet Suppression” will be used to control the dust at this facility. Feed material will be wet and water sprays will be used for processing the wet sand and gravel. This process would minimize any dust from screening or conveying activities.

How to Access Permit Materials

- A copy of the construction permit application, draft permit, as well as materials used by the TDAPC in making this determination, are available for public view via the Tennessee Department of Environment and Conservation's (TDEC) Dataviewers at the following webpage:
 - http://environment-online.state.tn.us:8080/pls/enf_reports/f?p=19031:34051:::NO:34051:P34051_PERMIT_ID:83306
- You can also get to the Dataviewers by going to www.tn.gov/environment/ then click on "Dataviewers" listed under "Resources" at the bottom of the page, then click on "Air Pollution Control Permits & Inspections Dataviewer" then enter the permit number (978163) in the search box.

Composite Materials Permitting Section

Will Collins – TDEC Environmental Manager
Will.Collins@tn.gov

Moe Baghernejad – TDEC Environmental Consultant
Moe.Baghernejad@tn.gov

Tracy Kefauver – TDEC Environmental Protection Specialist
Tracy.Kefauver@tn.gov

Main Office Number: (615) 532-0554



Contact Information



Volunteer Sand and Gravel, LLC

*TDEC Division of Air - Public Meeting
Date: July 7, 2020*

PRESENTATION

CHAD SWALLOWS

- PRESIDENT

Volunteer Sand and Gravel, LLC

Operations

- Stage 1 : 10" Electric Floating Suction Dredge
 - 25' x 100' Floating Hull with Suction Ladder and Electric Pump
 - 80% Water / 20% Gravel is pumped through 12" pipeline to the processing plant
- Stage 2 : Electric Processing Plant (Coarse Aggregate)
 - Wet Screen Deck: Material will flow over the screen deck where the coarse aggregate will be separated into different size products
 - Conveyors: The coarse aggregate will be directed onto conveyors where it will be placed into stockpiles

Volunteer Sand and Gravel, LLC

Operations

- Stage 3 : Electric Processing Plant (Fine Aggregate)
 - Classifying Tank: The water and aggregate smaller than ¼” will flow into a classifying tank that is 12’ wide by 48’ long
 - As the material flows across the tank, the fine aggregate is separated by size into a Concrete Sand or a finer Masonry Sand
 - Screw: Each sand product will flow into a dewatering screw and then onto a conveyor where it will be stockpiled

Volunteer Sand and Gravel, LLC

Air Permit Emissions

- The Dredge and Processing Plant are powered by electricity supplied by Meriwether Lewis Electric Cooperative and TVA
- The mining and processing plant require water. Neither the dredge or the processing plant can operate without water
- The wet process virtually eliminates any air emissions

CHAT BOX:

- Submit your name to be called on to ask your question or
- Type your question in the chat box and we will read it out loud

PHONE:

- When called on, un-mute yourself to talk
- Dial *6 to mute or make sure the microphone button is red (muted). Re-mute yourself when done.

APP:

- If using a WebEx application, use the mute/un-mute button
 - Red is muted, black is un-muted
 - Please mute yourself after discussion



Q&A Session

Composite Materials Permitting Section

Will Collins – TDEC Environmental Manager
Will.Collins@tn.gov

Moe Baghernejad – TDEC Environmental Consultant
Moe.Baghernejad@tn.gov

Tracy Kefauver– TDEC Environmental Protection Specialist
Tracy.Kefauver@tn.gov

Main Office Number: (615) 532-0554



Contact Information



Department of
**Environment &
Conservation**

THANK YOU!