

WEBVTT

1

00:00:23.430 --> 00:00:24.810

Matthew Tejada: lori Am I starting starting.

2

00:00:26.820 --> 00:00:36.300

Debora Browning: Good evening and welcome to the ethylene oxide eat to zoom Community meeting for SAS all chemicals in westlake Louisiana.

3

00:00:37.140 --> 00:00:53.250

Debora Browning: My name is Deborah rounding with EPA and i'm the moderator for the evening, our thoughts and prayers for the state of Louisiana and for your Community during the recovery of the aftermath of the recent hurricanes, we appreciate you taking time to join us tonight.

4

00:00:53.970 --> 00:01:01.500

Debora Browning: We are currently scheduled for the meeting to run from six o'clock to eight o'clock PM and will be here to answer all your questions.

5

00:01:01.920 --> 00:01:16.110

Debora Browning: Following the quick Q amp a session sasol chemicals will be making a brief presentation we invite you to stay if the time overflows after eight o'clock and if your schedule allows next slide please.

6

00:01:19.830 --> 00:01:26.070

Debora Browning: For those attendees requiring language interpretation services instructions are posted on the screen.

7

00:01:26.460 --> 00:01:41.250

Debora Browning: This will assist our participants to enable the appropriate language preference for English or Spanish services, I would like to welcome and introduce Spanish interpreters see tomorrow Crespo and Lester Lima.

8

00:01:42.480 --> 00:02:00.360

Debora Browning: For those requiring American sign language services, the interpreter window is available to fin the interpreter on the screen, I would like to welcome and introduce the American sign language interpreters Catherine montoya and Connor Gillis next slide please.

9

00:02:03.240 --> 00:02:11.790

Debora Browning: This is a zoom meeting and due to the size of the audience all participants are in listening mode only except for the speakers microphones.

10

00:02:12.060 --> 00:02:28.200

Debora Browning: At the end of the presentations EPA will address questions during the question and answer session participants may write the question in the chat box during the presentations However, the questions will not be answered until the Q amp a session next slide please.

11

00:02:30.750 --> 00:02:45.390

Debora Browning: Your comments are very important to us in this meeting is focused on hearing from the citizens in Lake Charles West like area near the sasol chemicals facility any questions related to industry permits any enforcement.

12

00:02:46.290 --> 00:02:54.510

Debora Browning: actions and surveillances or legal actions or about other areas for facilities will not be addressed during this Community meeting.

13

00:02:54.990 --> 00:03:10.470

Debora Browning: You may send these questions or other questions and comments related to ethylene oxide, to the EPA region six email box for a response at our six at the link [oxide@epa.gov](mailto:oxide@epa.gov).

14

00:03:13.320 --> 00:03:27.360

Debora Browning: This event is being recorded and will be posted to the EPA region six websites for ethylene oxide these web links will be posted in the chat box as an announcement on the right side of your monitor screen next slide please.

15

00:03:29.820 --> 00:03:40.890

Debora Browning: For zoom meeting best practices during the question and answer session, in addition to encouraging everyone to write in the question in the chat box, you may raise your hand to ask a question.

16

00:03:41.340 --> 00:03:54.210

Debora Browning: Those participants dialing in will also have an opportunity to ask a question during the question and answer session when not speaking, please mute your microphone next slide please.

17

00:03:56.670 --> 00:04:05.490

Debora Browning: This slide shows an example of where to find the mute button in the buttons at the bottom of your screen for the chat box and to raise your hand.

18

00:04:07.470 --> 00:04:08.790

Next slide please.

19

00:04:11.820 --> 00:04:22.470

Debora Browning: During the Q amp a session, my colleague genetic codes, as well as Gloria von will be assisting me with hand raise checks phone dial in and chat box.

20

00:04:22.560 --> 00:04:24.210

Debora Browning: Questions if you would.

21

00:04:24.750 --> 00:04:26.190

Ms. Peters: like to send a question to be.

22

00:04:26.190 --> 00:04:27.510

Debora Browning: read in the chat box.

23

00:04:27.660 --> 00:04:28.950

Debora Browning: But prefer to remain.

24

00:04:28.950 --> 00:04:29.670

Ms. Peters: anonymous.

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00:04:30.000 --> 00:04:49.380

Debora Browning: You may do so through a direct messaging option in the chat box this slide shows an example of where to find the direct messaging option in the chat box select message option, then use the arrow down to select direct message to genetic codes or.

26

00:04:49.710 --> 00:04:50.400

Ms. Peters: Yvonne.

27

00:04:51.030 --> 00:04:52.020

Debora Browning: Next slide please.

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00:04:55.380 --> 00:05:08.580

Debora Browning: EP, I would like to welcome our Louisiana Congressional delegation state and local offices and the environmental justice

stakeholders, along with members of the community attending and participating in this meeting.

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00:05:09.810 --> 00:05:20.280

Debora Browning: At this time, I would like to introduce EPA environmental justice representatives we have with us tonight matt to hater EPA headquarters director.

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00:05:20.370 --> 00:05:22.380

Ms. Peters: Of the office of environmental justice.

31

00:05:22.770 --> 00:05:33.240

Debora Browning: And Gloria Yvonne EPA region six associated director for environmental justice matt can you unmute your MIC and provide general comments.

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00:05:34.320 --> 00:05:41.820

Matthew Tejada: Thanks Deborah good evening, everyone is Matthew too hot and director of ej here at EPA and headquarters in DC.

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00:05:42.270 --> 00:05:56.790

Matthew Tejada: i'm very happy to see some familiar names some folks have known for a long time and folks have just recently met on the list of attendees tonight, first of all, we really appreciate everyone taking time out of your lives.

34

00:05:57.840 --> 00:06:02.370

Matthew Tejada: You know, away from work away from your families to join us tonight.

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00:06:03.570 --> 00:06:07.620

Matthew Tejada: This is an important issue and I don't.

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00:06:07.860 --> 00:06:10.200

Matthew Tejada: Know y'all most y'all know this is an important issue.

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00:06:10.470 --> 00:06:17.640

Matthew Tejada: And this is an issue that it has taken us some time to start to get our arms around at EPA and across the United States.

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00:06:18.240 --> 00:06:26.520

Matthew Tejada: And I know, especially early on some of the work that was being done to try to figure out ethylene oxide and really try to figure out what we're going to do about it.

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00:06:27.600 --> 00:06:43.470

Matthew Tejada: caused additional anxiety, especially for folks living near some of the facilities that potentially put out the most of this stuff around the United States it's not a it's not an issue that is affecting all the United States is affecting you know specific communities.

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00:06:45.510 --> 00:06:53.730

Matthew Tejada: But despite that this is still one of the highest priority issues across all of EPA right now for the administrator and for the agency.

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00:06:54.780 --> 00:07:01.710

Matthew Tejada: Because of both are concerned about it and because of you're concerned about it, we know folks that are anxious about ethylene oxide.

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00:07:02.520 --> 00:07:15.120

Matthew Tejada: You want to know what we're going to do about it, you want to know what states are going to do about it, you want to know that your families and yourselves and your futures are protected from being exposed to a carcinogen so such as ethylene oxide.

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00:07:16.500 --> 00:07:22.440

Matthew Tejada: So we really appreciate you all joining us tonight because as as as we look forward to.

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00:07:23.280 --> 00:07:29.130

Matthew Tejada: How we regulate this chemical and how we ensure that your yourselves in your communities are protected.

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00:07:29.730 --> 00:07:35.670

Matthew Tejada: We want to make sure we do it in a way that you feel confident in that we want to do it in a way that is responsive.

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00:07:36.330 --> 00:07:40.860

Matthew Tejada: To the realities of the communities most impacted by this and that's really.

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00:07:41.460 --> 00:07:50.820

Matthew Tejada: You know kind of a heart of environmental justice for us when something like this happens, we want to, we want to make sure that our decisions, our responses are fully informed.

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00:07:51.420 --> 00:08:04.770

Matthew Tejada: by those who are most impacted by it by the communities with environmental justice concerns and we know that you know for a lot of y'all, especially in this part of the United States definitely an oxide is, by far, not the only thing you have to worry about.

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00:08:05.790 --> 00:08:11.760

Matthew Tejada: But we appreciate that it's one of the biggest things you're worried about right now so that's why we've been taking the time.

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00:08:12.360 --> 00:08:20.970

Matthew Tejada: to visit with communities across the United States and we're going to continue to do that this is not the end of the conversation, this is the very beginning of the conversation.

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00:08:21.690 --> 00:08:31.290

Matthew Tejada: And and threw out as as administrator Reagan has committed to repeatedly on this and other issues.

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00:08:31.740 --> 00:08:39.360

Matthew Tejada: we're going to Center what we do to regulate ethylene oxide on achieving environmental justice for the folks that are being impacted.

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00:08:40.200 --> 00:08:45.780

Matthew Tejada: So we do really want to focus on making sure that we give you very clear information.

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00:08:46.500 --> 00:08:53.010

Matthew Tejada: Hopefully, hopefully, that information that fran is going to give you all in a little bit is going to help to answer some of your questions.

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00:08:53.490 --> 00:08:59.370

Matthew Tejada: And then, but once she's done, we want to hear from the Community, and I know that there's a lot of other folks on this call.

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00:08:59.820 --> 00:09:06.270

Matthew Tejada: And there's a lot of folks that have something that they want to say about this, we understand that everybody understands that.

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00:09:06.840 --> 00:09:11.940

Matthew Tejada: We want to make sure that we hear from the Community members first, though, and we want to make sure that they feel comfortable.

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00:09:12.300 --> 00:09:19.800

Matthew Tejada: Speaking up and speaking out about what they want to share with us because that's The purpose of this evening it's to hear from those Community members.

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00:09:20.190 --> 00:09:28.410

Matthew Tejada: So I would ask everyone else, I know we've got a lot of folks from other agencies or from business and industry or from environmental organizations.

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00:09:28.800 --> 00:09:41.040

Matthew Tejada: On on the line tonight, I appreciate everyone's attention on this, but if folks could please make sure that we allow the actual residents of the communities that are impacted by this and they're on.

61

00:09:41.640 --> 00:09:42.480

Matthew Tejada: These facilities.

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00:09:43.200 --> 00:09:46.770

Matthew Tejada: We can allow them to go first because that's that's the point tonight.

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00:09:47.760 --> 00:09:56.310

Matthew Tejada: So with that I did want to make sure folks were aware that we obviously have undergone the beginning of a transition in our region six ej office.

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00:09:57.060 --> 00:10:03.960

Matthew Tejada: john polk many of y'all got a chance to meet not in person, I think we got to meet a single person in person.

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00:10:04.920 --> 00:10:13.770

Matthew Tejada: But, but she has moved on, she was given another opportunity and another federal agencies so she's she's taken a very good opportunity for herself and her family.

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00:10:14.310 --> 00:10:21.780

Matthew Tejada: So we'll be looking for are already looking for a new director of that office in the region, six office in Dallas.

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00:10:22.590 --> 00:10:32.910

Matthew Tejada: But i'm very glad that we still have a number of the team, the ej team and in the Dallas office with us and with us here tonight, so with that i'm going to turn it over to our.

68

00:10:33.120 --> 00:10:48.480

Matthew Tejada: DJ coordinator in the Dallas office for all of region six glory of on, we want to make sure you all know, Gloria hasn't gone anywhere glories right here with us you're not starting from scratch so with that Gloria if you want to take it over and and and keep us going through the agenda.

69

00:10:49.290 --> 00:10:58.110

Gloria Vaughn: Yes, thank you matt good evening everyone as matt said i'm Gloria Yvonne and i'm the associate director for environmental justice in.

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00:10:58.170 --> 00:11:10.290

Gloria Vaughn: August of communities tribes environmental assessment in the EPA EPA office and region six I have been fortunate to meet and talk with some of you who are attending this Community meeting.

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00:11:10.950 --> 00:11:19.350

Gloria Vaughn: But those of you who I have not met my name may be familiar to you because i'm a person who sends you notices of grant opportunities.

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00:11:19.860 --> 00:11:33.330

Gloria Vaughn: training opportunities meeting invitations opportunities to connect to comment on neba related projects, and I am your contact the issues that you want to bring to his attention.

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00:11:34.290 --> 00:11:46.890

Gloria Vaughn: As matt mentioned, there have been some personnel changes in the office Jonathan has returned to the fish and wildlife service which she will serve as an assistant regional director.

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00:11:47.760 --> 00:12:00.810

Gloria Vaughn: Please ensure that janice departure and no way will adversely impact impact the work that the ej office is doing regarding ethylene oxide other areas of ej concerning.

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00:12:01.590 --> 00:12:18.720

Gloria Vaughn: The end ej core staff remains intact and we make, and we remain dedicated and steadfast in our role as tj advocates, we appreciate



your time and the sacrifices that you have made to attend this meeting, please reach out to me if you have suggestions for making.

76

00:12:18.780 --> 00:12:19.950

These meetings better.

77

00:12:21.060 --> 00:12:35.850

Gloria Vaughn: My contact information will be placed in the chat box For those of you who are calling in by phone, you can reach me by phone at 214-665-7535.

78

00:12:36.750 --> 00:12:46.110

Gloria Vaughn: Your feedback is important, thank you for attending tonight's meeting and I now have the meeting back to Deborah Brown, who will provide further detail.

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00:12:49.470 --> 00:12:57.390

Debora Browning: Gloria and thank you matt Now I would like to introduce David Garcia EPA region six director.

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00:12:57.420 --> 00:12:59.490

Ms. Peters: For the Aaron and radiation division.

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00:12:59.580 --> 00:13:01.020

For opening comments.

82

00:13:02.400 --> 00:13:03.600

dgarcia: Deborah can you hear me okay.

83

00:13:04.170 --> 00:13:04.710

Yes.

84

00:13:06.510 --> 00:13:06.840

dgarcia: Okay.

85

00:13:08.460 --> 00:13:27.810

dgarcia: Thank you for joining us today as devastated, my name is David Garcia i'm the director of the air and radiation division for the US EPA region six Office here in Dallas Texas i'm glad to join you this evening after a delay to the hurricanes IDA and Nicholas that impacted Louisiana.

86

00:13:28.860 --> 00:13:40.860

dgarcia: DPA is presenting this Community meeting on potential risk associated with the emissions of ethylene oxide from the sasol committed chemical corporation in westlake Louisiana.

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00:13:41.640 --> 00:13:55.290

dgarcia: We will provide information on the current estimated risk for me missions of ethylene oxide from this facility what actions festival has completed since 2014 until 2020.

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00:13:55.800 --> 00:13:56.250

dgarcia: And what.

89

00:13:56.700 --> 00:14:10.530

dgarcia: EPA is planning to do to regulate the Sarah toxics ethylene oxide is a significant building block for many useful everyday consumer products and is used as a steriliser for medical equipment.

90

00:14:11.160 --> 00:14:25.440

dgarcia: During our periodic review of risk from air toxic chemicals EPA determine that ethylene oxide presents a greater potential risk for getting cancer through the inhalation or breathing route of exposure.

91

00:14:26.100 --> 00:14:32.640

dgarcia: However, across the nation, the total emissions of toxics air pollutants are declining.

92

00:14:33.150 --> 00:14:40.860

dgarcia: and air quality monitoring data shows that concentrations of individual air toxic pollutants in the air are trending downward.

93

00:14:41.550 --> 00:14:52.830

dgarcia: Despite these trends some local areas are facing challenges from ethylene oxide emissions in 2014 and based on the latest national air toxic assessment.

94

00:14:53.310 --> 00:15:07.080

dgarcia: ethylene oxide significantly contributed to potential elevated cancer risk and less than 1% of the census tracts across the United States, one of those census tracts is located in westlake Louisiana.

95

00:15:08.640 --> 00:15:22.260

dgarcia: EPA started reviewing some of its industrial sectors air toxics regulations that either use ethylene oxide in their process or produce ethylene oxide emissions through their chemical production process.

96

00:15:22.890 --> 00:15:42.510

dgarcia: In the future, as part of our regulatory development process we anticipate that you and other public stakeholders will hold opportunities to provide your comments and feedback to EPA during the regulatory proposal stage as updates to the air toxics rules are considered.

97

00:15:43.830 --> 00:15:50.880

dgarcia: Community outreach on ethylene oxide is a critical issue for EPA administrator Michael Regan we will be addressing your.

98

00:15:50.880 --> 00:15:54.150

dgarcia: Question after the presentations by EPA.

99

00:15:54.900 --> 00:16:17.640

dgarcia: And by Community advocates, we appreciate you taking the time to join us today with that said, allow me to introduce Miss Frances for Helen chief of the region's air monitoring and grant section, she will provide more details on potential risk for formaldehyde and Westlake Brown.

100

00:16:19.320 --> 00:16:23.340

Frances Verhalen: Thank you, David and good evening Deborah can you hear me okay.

101

00:16:24.960 --> 00:16:26.700

Debra Browning: Yes, can I hear you loud and clear.

102

00:16:27.510 --> 00:16:36.900

Frances Verhalen: Thank you um as David indicated I'm a supervisor here in the Dallas office for the ambient air monitoring and grants section.

103

00:16:37.830 --> 00:16:53.520

Frances Verhalen: Tonight I will be speaking on the risks posed by ethylene oxide emissions from the Sasol facility in Westlake I understand that it is located in the Lake Charles area and near the community of Mossville.

104

00:16:56.850 --> 00:17:16.230

Frances Verhalen: Tonight's discussion is specific to ethylene oxide emissions from this facility I'm focusing on providing you information on ethylene oxide uses the health effects from breathing ethylene oxide both short term and long term risks.

105

00:17:17.580 --> 00:17:25.710

Frances Verhalen: Information on what the facility has done to update its emission of ethylene oxide.

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00:17:27.090 --> 00:17:45.120

Frances Verhalen: EPA conclusions After reviewing updated technical information and the risk modeled for this facility and more accurate information provided by the company and the Louisiana department of environmental quality or El de que.

107

00:17:50.280 --> 00:17:55.110

Frances Verhalen: ethylene oxide exists at room temperature as a colorless gas.

108

00:17:56.490 --> 00:17:59.430

Frances Verhalen: It is flammable, meaning that it can burn.

109

00:18:01.230 --> 00:18:11.670

Frances Verhalen: It is a chemical component in making other chemicals and is a component for common household products like detergents or antifreeze or carpeting.

110

00:18:13.950 --> 00:18:23.550

Frances Verhalen: It is also a sterilizing agent for materials that cannot be heated or gotten wet, for example, it is used.

111

00:18:25.350 --> 00:18:34.650

Frances Verhalen: To sterilize the respiratory to being used in hospitals and the masks and gowns used by doctors and nurses.

112

00:18:36.690 --> 00:18:48.630

Frances Verhalen: While ethylene oxide has many uses EPA has determined that it is a carcinogen, meaning that exposure to this air toxic can cause cancer.

113

00:18:52.710 --> 00:19:02.160

Frances Verhalen: In recent years, EPA has learned more about the health risks from breathing air that contains ethylene oxide over a lifetime.

114

00:19:03.360 --> 00:19:07.440

Frances Verhalen: But there's a lot about ethylene oxide, that we still do not know.

115

00:19:08.520 --> 00:19:19.620

Frances Verhalen: One of the questions that we are examining is whether ethylene oxide is in the air broadly across the United States and if it is at what levels.

116

00:19:21.150 --> 00:19:28.170

Frances Verhalen: Another question is, if we are actually measuring ethylene oxide, or if it is something different.

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00:19:29.400 --> 00:19:42.450

Frances Verhalen: And we began examining this question after monitoring studies of ethylene oxide in the air near an industrial facility in Illinois in 2018 and 2019.

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00:19:43.680 --> 00:19:54.510

Frances Verhalen: We found it at monitors downwind of the facility which we expected because wind carries ethylene oxide from a facility towards the monitors.

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00:19:56.940 --> 00:20:11.310

Frances Verhalen: But the studies also detected ethylene oxide, although at lower levels and monitors that were upwind of the facility indicating the possibility that background ethylene oxide exists.

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00:20:14.100 --> 00:20:25.380

Frances Verhalen: Another question, we are looking at is if we are actually measuring ethylene oxide, or if we're measuring a different chemical that acts like ethylene oxide.

121

00:20:27.540 --> 00:20:40.740

Frances Verhalen: EPA has found concentrations of ethylene oxide in the outdoor air that are not clearly linked to a particular industrial facility, such as a chemical plant or commercial steriliser.

122

00:20:43.200 --> 00:20:47.760

Frances Verhalen: We do not yet know where the ethylene oxide is coming from.

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00:20:49.320 --> 00:21:05.880

Frances Verhalen: The scientists and engineers at EPA continue to study and research multiple things that can contribute to ethylene oxide concentrations to better understand where the ethylene oxide is coming from.

124

00:21:08.400 --> 00:21:20.400

Frances Verhalen: EPA has sampled the air in both urban and rural communities across the nation to monitor the concentrations of air toxics including ethylene oxide.

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00:21:21.990 --> 00:21:37.920

Frances Verhalen: While these lower levels of ethylene oxide suggest there is a background level of ethylene oxide in the outdoor air EPA is yet not yet certain about exact background ethylene oxide concentrations.

126

00:21:39.990 --> 00:21:42.930

Frances Verhalen: Regardless of where the ethylene oxide comes from.

127

00:21:44.220 --> 00:22:00.540

Frances Verhalen: inhalation of ethylene oxide above certain concentrations may harm or negatively impact a person's health, the continuing exposure through continuing exposure over one's lifetime.

128

00:22:03.900 --> 00:22:15.750

Frances Verhalen: i'm here tonight to talk about potential health risks associated with air emissions of ethylene oxide from the sasol chemicals facility in West like Louisiana.

129

00:22:17.160 --> 00:22:29.640

Frances Verhalen: I use the term potential cancer risk because each of us is unique in our reaction to cancer, causing agents and we may not get cancer from the same exposure as our neighbor.

130

00:22:32.730 --> 00:22:37.230

Frances Verhalen: When we the scientists at EPA discuss health risks.

131

00:22:38.430 --> 00:22:43.290

Frances Verhalen: We focus on both short term and long term or lifetime risk.

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00:22:44.730 --> 00:22:49.770

Frances Verhalen: Tonight i'm focusing on risks from breathing air toxics.

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00:22:51.300 --> 00:22:54.330

Frances Verhalen: You may hear this called inhalation risk.

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00:22:57.660 --> 00:23:06.450

Frances Verhalen: short term risks are those potential risks that impact quickly, you may hear this called acute risk.

135

00:23:07.740 --> 00:23:16.410

Frances Verhalen: For ethylene oxide, we associate this risk with workers who come into contact with high concentrations of ethylene oxide.

136

00:23:18.360 --> 00:23:24.510

Frances Verhalen: short term inhalation exposure by workers to high levels of ethylene oxide.

137

00:23:26.070 --> 00:23:29.130

Frances Verhalen: has resulted in serious physical effects.

138

00:23:30.450 --> 00:23:40.440

Frances Verhalen: For those of you living in the Community near sasol this situation or type of risk is not likely or probable.

139

00:23:42.870 --> 00:23:51.600

Frances Verhalen: Long term risks are potential risks that developed over years of exposure, you may know this as chronic risk.

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00:23:53.160 --> 00:24:03.360

Frances Verhalen: Long term effects from breathing in lower concentrations of ethylene oxide for multiple years can but do not always include cancer.

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00:24:04.440 --> 00:24:08.520

Frances Verhalen: irritation of the eyes skin and respiratory passages.

142

00:24:09.540 --> 00:24:14.130

Frances Verhalen: And effects to the nervous system, such as headaches or memory loss.

143

00:24:16.440 --> 00:24:32.070

Frances Verhalen: We, the scientists at EPA have determined that a long term or lifetime exposure of about 70 years to ethylene oxide increases the estimated risk of developing certain cancers.

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00:24:36.060 --> 00:24:41.520

Frances Verhalen: Let me start with an explanation about what the potential increased cancer risk means.

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00:24:43.800 --> 00:24:55.200

Frances Verhalen: EPA discusses increased cancer risk as a comparison of the number of people at risk of developing cancer, for every 1 million cases.

146

00:24:56.250 --> 00:25:03.360

Frances Verhalen: You may hear it as a potential risk of 10 and a million or 100 and a million, for example.

147

00:25:05.400 --> 00:25:11.100

Frances Verhalen: This risk is in addition to the chances of developing cancer for other reasons.

148

00:25:13.500 --> 00:25:25.710

Frances Verhalen: This slide shows the emissions for ethylene oxide for 2014 and 2018 and the associated risk estimates from the SAS all's chemical facility.

149

00:25:27.990 --> 00:25:35.280

Frances Verhalen: Using the 2014 emission inventory information in the national air toxics assessment model.

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00:25:36.480 --> 00:25:47.760

Frances Verhalen: EPA estimated the potential increased cancer risk in the West like area from ethylene oxide, to be over 800 cases in 1 million.

151

00:25:49.020 --> 00:25:54.990

Frances Verhalen: an EPA determine that the ethylene oxide emissions were from the sasol facility.

152

00:25:56.850 --> 00:26:15.270

Frances Verhalen: At EPA we consider excess cancer risks that are estimated to be above 100 cases in 1 million as not sufficiently protective of human health and in need of further evaluation to address this concern.

153

00:26:17.280 --> 00:26:19.710

Frances Verhalen: This is one of the reasons we're here tonight.

154

00:26:20.790 --> 00:26:26.550

Frances Verhalen: To tell you that there is an increased risk of developing cancer from breathing ethylene oxide.

155

00:26:29.280 --> 00:26:42.120



Frances Verhalen: Using samples 2018 emissions inventory information EPA found that the potential risk in increased cancer, to be about 300 cases in 1 million.

156

00:26:43.470 --> 00:26:50.280

Frances Verhalen: Because the amount of annual emissions changes, based on a facilities use of ethylene oxide.

157

00:26:51.450 --> 00:26:59.310

Frances Verhalen: EPA uses the actual annual emissions for a specific year to develop the estimated lifetime risk.

158

00:27:00.450 --> 00:27:04.890

Frances Verhalen: This this so associated risk continues to change.

159

00:27:06.300 --> 00:27:19.050

Frances Verhalen: Please note that EPA uses actually missions, for a specific year to develop the estimated lifetime risk and risk will continue to change as the actual emissions change.

160

00:27:23.940 --> 00:27:33.150

Frances Verhalen: In 2016 EPA published the integrated risk information system or iris assessment for ethylene oxide.

161

00:27:34.830 --> 00:27:44.070

Frances Verhalen: This risk assessment underwent two rounds of public comment and two rounds of peer review, but EPA is Scientific Advisory Board.

162

00:27:45.300 --> 00:27:49.500

Frances Verhalen: EPI stands behind the ethylene oxide iris value.

163

00:27:50.520 --> 00:27:54.630

Frances Verhalen: However, you may hear different views about the risk.

164

00:27:55.860 --> 00:28:04.890

Frances Verhalen: i'm not here tonight to debate the different risk values, but rather to explain the risks based on EPA his latest risk scientific assessment.

165

00:28:06.720 --> 00:28:16.980

Frances Verhalen: suggestions to consider risk values other than the iris will be addressed by EPA at a later date, through our formal agency processes.

166

00:28:19.440 --> 00:28:21.420

Frances Verhalen: In developing our risk number.

167

00:28:22.590 --> 00:28:29.220

Frances Verhalen: For breathing ethylene oxide EPA chooses to be protective and conservative.

168

00:28:30.450 --> 00:28:46.050

Frances Verhalen: We base the increased risk of possibly contracting cancer on someone breathing air with ethylene oxide in it, at the same concentration every day for 24 hours a day for 70 years.

169

00:28:47.820 --> 00:28:55.650

Frances Verhalen: It does not mean that it will take 70 years to develop cancer, it could be more time or less.

170

00:28:58.860 --> 00:29:06.990

Frances Verhalen: We do not expect a one time or short term exposure of low amounts of ethylene oxide to cause immediate.

171

00:29:08.220 --> 00:29:09.870

Frances Verhalen: harm to a person's health.

172

00:29:13.110 --> 00:29:31.170

Frances Verhalen: EPA has found that a long term exposure and that we define as a lifetime, or about 70 years exposure to ethylene oxide will increase the potential risk of developing certain cancers, including non hodgkins lymphoma.

173

00:29:32.610 --> 00:29:33.510

Frances Verhalen: myeloma.

174

00:29:34.680 --> 00:29:37.050

Frances Verhalen: And lymphocytic leukemia.

175

00:29:38.760 --> 00:29:46.920

Frances Verhalen: Some studies also conclude that long term exposure to ethylene oxide may increase the risk of breast cancer.

176

00:29:54.870 --> 00:29:57.450

Frances Verhalen: Apologies for the technical difficulties.

177

00:29:59.430 --> 00:30:01.530

Frances Verhalen: The human exposure model for risk.

178

00:30:03.000 --> 00:30:05.940

Frances Verhalen: EPA used the human exposure model in.

179

00:30:07.530 --> 00:30:12.960

Frances Verhalen: to perform the risk assessments for sources emitting air toxics to the air.

180

00:30:14.250 --> 00:30:18.030

Frances Verhalen: This model only addresses the inhalation exposure.

181

00:30:19.320 --> 00:30:37.590

Frances Verhalen: It is designed to predict emissions estimated risks associated with chemicals emitted into the air that is air toxics that are released into the air that move beyond a facilities boundary and remain in the vicinity of the facility.

182

00:30:39.480 --> 00:30:51.390

Frances Verhalen: In this case we use the emissions and facility information from sasol chemicals and ran the model to predict the estimated risk from this facility.

183

00:30:54.000 --> 00:31:04.410

Frances Verhalen: The results of the human exposure model provide estimates of potential cancer risk and non cancer hazards for the chemicals evaluated in the model.

184

00:31:05.670 --> 00:31:16.260

Frances Verhalen: The actual health of an of an individual and one's likelihood of developing cancer may be affected by other factors.

185

00:31:17.670 --> 00:31:23.970

Frances Verhalen: Examples of this include how long a person is exposed to an air toxic.

186

00:31:25.410 --> 00:31:27.930

Frances Verhalen: What their regular routines normally are.

187

00:31:29.190 --> 00:31:34.230

Frances Verhalen: And what your toxics a person is exposed to during those routines.

188

00:31:36.780 --> 00:32:00.960

Frances Verhalen: More information about the human exposure model can be found at the following web address [www dot EPA dot govt forward slash F E R a forward slash risk dash assessment](http://www.epa.gov/risk/assessment/).

189

00:32:02.160 --> 00:32:10.110

Frances Verhalen: dash and dash modeling dash human dash exposure.

190

00:32:11.130 --> 00:32:12.300

Frances Verhalen: dash model.

191

00:32:13.320 --> 00:32:15.480

Frances Verhalen: dash H E m.

192

00:32:20.940 --> 00:32:30.930

Frances Verhalen: As part of the human exposure model EPA estimated the risk of non cancer effects from the sasol facility, based on the emission inventory.

193

00:32:31.890 --> 00:32:47.400

Frances Verhalen: EPA has identified that sasol chemicals had an estimated hazard quotient of three do primarily to chlorine emissions and using the respiratory system as the target Oregon.

194

00:32:49.980 --> 00:33:04.350

Frances Verhalen: When the hazard quotient is greater than one there's a possibility for an adverse health effect, the larger the hazard quote quotient value, the more likely and adverse health effects may occur.

195

00:33:05.490 --> 00:33:16.380

Frances Verhalen: The expected health effects from breathing in excess amounts of chlorine may include coughing shortness of breath and lung irritation.

196

00:33:17.460 --> 00:33:25.800

Frances Verhalen: Once again EPA does not believe that breathing in low concentrations of chlorine will cause harm.

197

00:33:31.380 --> 00:33:36.690

Frances Verhalen: sasol chemicals is located near lake Charles Louisiana in West like.

198

00:33:37.950 --> 00:33:50.310

Frances Verhalen: As API began updating information from 2014 to 2020 we initiated discussions with several in October of last year.

199

00:33:51.270 --> 00:34:10.860

Frances Verhalen: EPI sent a letter to ld eq requesting assistance from the state in gathering the most current emissions on the specific ethylene oxide emitting facilities including sasol and to assist with the development of technical assessments.

200

00:34:13.440 --> 00:34:27.990

Frances Verhalen: In April of 2021 EPA and ld eq held a conference call with sasol to discuss the facilities efforts to reduce reported ethylene oxide emissions.

201

00:34:29.250 --> 00:34:40.080

Frances Verhalen: Following that meeting, and may sizzle chemicals provided EPA and ld eq with additional information that they had shared on the call.

202

00:34:46.740 --> 00:34:57.000

Frances Verhalen: So sounds like Charles chemical complex has multiple manufacturing units which produce various products and chemicals used to make other products.

203

00:34:59.040 --> 00:35:20.010

Frances Verhalen: Manufacturing at the electrical site includes ethylene oxide production, as well as the production of ethylene glycol and F oxalate it alcohol, which are created by combining ethylene oxide with other substances on site in various processes.

204

00:35:21.180 --> 00:35:29.640

Frances Verhalen: sasol has three units that use the primary sources of that are the primary sources of ethylene oxide emissions.

205

00:35:30.960 --> 00:35:33.150

Frances Verhalen: These are the F oscillation unit.

206

00:35:34.170 --> 00:35:37.140

Frances Verhalen: The ethylene oxide ethylene glycol unit.

207

00:35:38.400 --> 00:35:40.740

Frances Verhalen: And the research and development laboratory.

208

00:35:46.140 --> 00:36:02.430

Frances Verhalen: From 2014 to 2023 emission reductions and reevaluation of actual emission levels reported ethylene oxide annually missions at sasol chemicals have been significantly reduced.

209

00:36:04.830 --> 00:36:05.790

Frances Verhalen: Please note.

210

00:36:07.530 --> 00:36:28.440

Frances Verhalen: EPA use the value of 12,640 pounds from sasol 2014 emission inventory submitted to ld Q in our data model, the national air toxics assessment model, as this was the data that we had at that time in 2014.

211

00:36:29.520 --> 00:36:41.970

Frances Verhalen: Sub sequentially sasol has revised its mission to inventory for 2014 decreasing its emission inventory to 2225 pounds.

212

00:36:43.050 --> 00:36:46.980

Frances Verhalen: This graph does not show that.

213

00:36:48.480 --> 00:36:49.170

Frances Verhalen: revision.

214

00:36:53.940 --> 00:37:00.450

Frances Verhalen: The revised emission inventory by sasol was due to process changes and corrections.

215

00:37:01.560 --> 00:37:12.630

Frances Verhalen: sasol instituted a cap on the amount of emissions that could be sent to the flare for destruction using shorter duration of emission events set to the flare.

216

00:37:14.340 --> 00:37:34.020

Frances Verhalen: sasol had an emissions testing firm to test the ethylene oxide emissions from the vince in two areas of the facility, the ethylene oxide process area and the storage and unloading for the ethylene oxide and associated byproducts area.

217

00:37:36.090 --> 00:37:49.950

Frances Verhalen: The results of the testing indicated and actual destruction and removal of 99.9% of the ethylene oxide, as opposed to the previous projected.

218

00:37:51.090 --> 00:37:56.220

Frances Verhalen: And calculated destruction efficiency of 98%.

219

00:37:59.220 --> 00:38:08.370

Frances Verhalen: This change in value indicated that sasol had overestimated ethylene oxide emissions from 2014 through 2020.

220

00:38:11.460 --> 00:38:30.660

Frances Verhalen: EPA continues to work with sasol chemicals to monitor the annually missions on an annual basis YouTube can check on emission inventories and toxic risk inventories that sasol and other facilities of interest submit to the state.

221

00:38:37.050 --> 00:38:57.180

Frances Verhalen: sasol is currently evaluating if the incorporation of the vapor control unit testing for destruction and removal efficiency and lower of operating hours that the flare serves as backup will further reduce reported ethylene oxide emissions, based on the more accurate data.

222

00:38:58.890 --> 00:39:12.000

Frances Verhalen: sasol is also planning sampling activities to refine the West lab emissions and anticipates additional decreases in ethylene oxide emissions estimates.

223

00:39:18.240 --> 00:39:28.020

Frances Verhalen: sasol chemicals has worked to improve ethylene oxide emissions from their facility and his proposed plans to continue efforts for reductions.

224

00:39:29.940 --> 00:39:39.660

Frances Verhalen: There is a reduced estimated cancer risk from the sasol facility, based on the 2018 emissions of 300 cases in 1 million.

225

00:39:41.100 --> 00:39:57.060

Frances Verhalen: I remind you that EPA modeling of estimated risks is very conservative it assumes a continuous 24 hours per day inhalation exposure to ethylene oxide for a lifetime of 70 years.

226

00:39:59.250 --> 00:40:03.270

Frances Verhalen: EPA is continuing to review and revise our regulations.

227

00:40:04.740 --> 00:40:16.200

Frances Verhalen: And EPA ld eq and sasol will continue to discuss additional ways to control and reduce emissions of ethylene oxide from this facility.

228

00:40:18.900 --> 00:40:33.690

Debora Browning: And before you go forward i've got a note in the chat box that some people are saying the presentation is muted if genetic or friend, can you double check to make sure you're being heard.

229

00:40:35.340 --> 00:40:40.020

Frances Verhalen: Okay um hang on a second technical difficulties.

230

00:40:40.410 --> 00:40:40.710

test.

231

00:40:42.660 --> 00:40:44.430

Janetta Coats: test test 123.

232

00:40:45.990 --> 00:40:47.910

Frances Verhalen: test test 123 my mics on.

233

00:40:48.390 --> 00:40:52.350

Debora Browning: Okay, then go ahead and continue so I just wanted to make sure that.

234

00:40:52.890 --> 00:40:53.550

Gloria Vaughn: Other over.

235

00:40:54.180 --> 00:40:58.440

Gloria Vaughn: Yes, yes, if they check to make sure they do that have themselves muted.

236

00:40:59.100 --> 00:41:03.180

Debora Browning: Okay, great Thank you sorry about the interruption fran.

237

00:41:04.260 --> 00:41:04.710

Frances Verhalen: i'm good.

238

00:41:11.610 --> 00:41:19.920

Frances Verhalen: Okay, for more information we've provided a web link, for your convenience to look up additional information about ethylene oxide.



239

00:41:21.240 --> 00:41:32.730

Frances Verhalen: The EPA ethylene oxide web page is found at www dot EPA dot govt slash ethylene dash oxide.

240

00:41:34.320 --> 00:41:36.060

Frances Verhalen: And we have posted.

241

00:41:39.180 --> 00:41:39.990

Frances Verhalen: A webinar.

242

00:41:41.310 --> 00:42:05.400

Frances Verhalen: we're gonna go we've also posted a webinar that we did back in May, the ethylene oxide, one on one webinar it is posted at www dot EPA dot govt forward slash la forward slash air dash issues dash Louisiana.

243

00:42:07.650 --> 00:42:23.250

Frances Verhalen: In addition, EPA has provided some resources for information about air toxics and regulations for air toxics some of these topics include the list of the air toxics pollutants.

244

00:42:24.360 --> 00:42:31.740

Frances Verhalen: an overview of our risk and technology program and the plain English guide to the Clean Air act.

245

00:42:35.100 --> 00:42:41.640

Frances Verhalen: I thank you all for your attention this evening and i'm going to turn this back over to you debra Thank you.

246

00:42:49.230 --> 00:42:51.840

Debora Browning: Thank you fran for your ethylene oxide.

247

00:42:53.610 --> 00:42:59.130

Debora Browning: up, I would like to introduce our Community advocates, this is Christine Bennett.

248

00:42:59.190 --> 00:43:01.110

Debora Browning: And miss carillon who do.

249

00:43:02.400 --> 00:43:16.710

Debora Browning: We look forward to hearing more from these Community advocates on their Community concerns about ethylene oxide emission first

we will hear from miss Christine Bennett miss Bennett if you can unmute your microphone.

250

00:43:32.550 --> 00:43:34.530

Mrs. Bennett: Hello Hello.

251

00:43:36.030 --> 00:43:37.620

Mrs. Bennett: Can you hear me hello, I.

252

00:43:38.580 --> 00:43:39.450

Debora Browning: can hear you.

253

00:43:40.350 --> 00:43:46.740

Mrs. Bennett: Thank you so much, and I like to say, God bless everyone i'm Christine Bennett for mossville Louisiana.

254

00:43:47.640 --> 00:43:59.220

Mrs. Bennett: And before we thought I was just you know I know we don't do it like this, and public meetings like this, but I just want to ask God to take control right now just take control.

255

00:43:59.670 --> 00:44:09.810

Mrs. Bennett: And I want everybody to just focus on revelation 1118 and I know this is not hard, but I have to read it, and it says, those who fear your name small lot of great.

256

00:44:10.350 --> 00:44:20.370

Mrs. Bennett: and shall destroy goes who destroyed the earth I just pray that anyone that's on this line is not a part of that scripture that is destroying gods are in revelation.

257

00:44:21.540 --> 00:44:32.790

Mrs. Bennett: Because right now we in trouble, you know if we don't know definitely an oxide is not only thing that we're going through right now God is speaking in he's trying to get his people to wake up.

258

00:44:34.020 --> 00:44:43.800

Mrs. Bennett: As I understand that what i'm torn apart, I was born and raised in mossville surrounded by 16 industries with facts all.

259

00:44:44.400 --> 00:44:52.740

Mrs. Bennett: The ethylene oxide plan that's probably doing more than just the ethylene axon, but I want to thank plan for that beautiful.

260

00:44:53.100 --> 00:45:10.020

Mrs. Bennett: statement she made or the history on the ethylene oxide, but I just wanted to know whether or not fran was a toxic colleges are is a toxic colleges and and the scientists are all the same, because toxicologists metal Cooley I feel.

261

00:45:12.000 --> 00:45:18.060

Mrs. Bennett: always the same thing as a sign, because I do not know, but I do know that we don't have very much visits from.

262

00:45:19.170 --> 00:45:33.960

Mrs. Bennett: Toxic college toxicologist when it comes to me and oxide, because we all might have it in our blood and mossville but because we can't see a toxicologist we have a beautiful person will soon we'll have been a blessing, as a scientist.

263

00:45:35.250 --> 00:45:36.540

Mrs. Bennett: So I want to say that.

264

00:45:37.890 --> 00:45:48.720

Mrs. Bennett: I don't even know i'm baffled added, because here I am done not like we used to say we're done daily we're done every hour now in mossville.

265

00:45:49.740 --> 00:45:55.020

Mrs. Bennett: I don't know if this might be my last time, speaking with any of you at this time, but I do want to say that.

266

00:45:57.000 --> 00:46:04.350

Mrs. Bennett: I don't even know why we're talking about ethylene oxide, knowing that it causes cancer, why we not on here, trying to find a solution.

267

00:46:04.860 --> 00:46:24.600

Mrs. Bennett: to shut the plant down like Illinois did Oh, why are we not on here, trying to do all we can to bow to like we did the nine other plants in our area that had to reimburse EPA if we've missed the message here EPA Environmental Protection Agency of chemical plants.

268

00:46:25.770 --> 00:46:34.950

Mrs. Bennett: I don't know if i'm saying it right is that what the EPA mean Environmental Protection Agency for industry that environmental protection for the people.

269

00:46:35.370 --> 00:46:46.350

Mrs. Bennett: Because i'm loss right now we've been in this fight over 40 years, and here we are, knowing what sasol doing know and it's killing god's people killing god's Earth.

270

00:46:47.040 --> 00:47:01.500

Mrs. Bennett: Water everything, and yet we sit here talking about how we can get them to bring it down normally they killing people that don't even make sense to me right now and i'm very disturbed over because of the fact that I have granted.

271

00:47:02.700 --> 00:47:07.050

Mrs. Bennett: That, I have to let them see mossville to where I was born and raised that.

272

00:47:07.800 --> 00:47:19.560

Mrs. Bennett: But I think about those who are putting it out how they tell them their grandkids it's like you know eat this chocolate candy because I heard that chocolate candy has to have a little red in it.

273

00:47:19.980 --> 00:47:29.100

Mrs. Bennett: Because they can't get it all out well that's like telling me, you know you can eat the chocolate candy but just don't eat too much because they do have a rap group in it.

274

00:47:29.940 --> 00:47:39.210

Mrs. Bennett: You know, come on people, what are we doing we setting back then people think that the dollar comes before our life mossville is being.

275

00:47:39.750 --> 00:47:50.850

Mrs. Bennett: A cocktail every day that i've lived there we have docs and mixed with ethylene oxide, we have that the mean oxide miss would be insane.

276

00:47:51.390 --> 00:48:03.540

Mrs. Bennett: Man, do you know what a cocktail is what have you ever had one of these, and every day out of 16 plants we breathe, I went to school, I had to go to school right and through it every day.

277

00:48:04.200 --> 00:48:18.270

Mrs. Bennett: And it's not like sasol name never was there, it wasn't there but it came on the mains like what Georgia golf calm de vista you know, we were not crazy here at mossville.

278

00:48:19.230 --> 00:48:32.550

Mrs. Bennett: But I still say to you, even with 300 to a million people, everybody knows that's over a mouth, but here we sit on the phone free and what we can do to help them out not to put too much.

279

00:48:33.150 --> 00:48:44.430

Mrs. Bennett: Why do we want to put anything like this on us right now know embedded cause cancer, because we don't care about people we care about that mighty dollar is not about EP.

280

00:48:45.450 --> 00:48:47.040

Mrs. Bennett: If he had about so.

281

00:48:48.510 --> 00:49:05.760

Mrs. Bennett: We all know, this is about government in the mighty dollar, just like the videos man people we got to stop this drama and start caring about God and his people and, as I said, I heard what friends say it, but my God do fran understand that.

282

00:49:06.810 --> 00:49:14.970

Mrs. Bennett: We can live out here by cutting it down long when we know is causing cancer, we know is doing much more than that, but how many.

283

00:49:15.450 --> 00:49:27.000

Mrs. Bennett: it's surrounded by 15 other planets along with the ethylene oxide and very disturbed over it, I read I heard was a friend say it about it.

284

00:49:27.510 --> 00:49:40.170

Mrs. Bennett: But then I looked at it, I said well that's the mean oxide is a gentleman in humans up in a cold Okay, and then they say it, I don't even know how to pronounce some of these words one says terrell Jimmy.

285

00:49:41.250 --> 00:49:52.710

Mrs. Bennett: If it's malformation or my embryo and humans, that is a terrible junction and animals mean look at all, will it hurt to animal.

286

00:49:53.310 --> 00:50:04.560

Mrs. Bennett: And it can destroy him bro, what are we still talking about this it limited the advance of indicated for causes a spontaneous abortion.

287

00:50:05.040 --> 00:50:16.980

Mrs. Bennett: may damage developing fetus long term exposure harm the brains and the nervous system breathing air contains elevated ethylene oxide level over many years.

288

00:50:17.820 --> 00:50:26.070

Mrs. Bennett: We talking about something that's been in existence, I think I read somewhere way and 1985 they discovered this.

289

00:50:26.970 --> 00:50:43.350

Mrs. Bennett: caitlyn Jenner thing that it is, but I may not get every name said, like it's supposed to be saying, but we have right now read the ham, I have top of the 25 party facility Syrian mafia.

290

00:50:44.460 --> 00:50:52.800

Mrs. Bennett: But, yet in still here, we got our nice brothers and sisters in Chicago Illinois the rich community.

291

00:50:53.490 --> 00:51:03.570

Mrs. Bennett: Can shut them down because they got that mighty dollar they able to shut it down, but here and low income communities.

292

00:51:04.110 --> 00:51:14.370

Mrs. Bennett: We can't do nothing about it man come on now, what is this, this is a game that people are trying to run on the people of God and he's not pleased with it, but I still say.

293

00:51:15.540 --> 00:51:28.860

Mrs. Bennett: No matter what happened in knoxville we got people all over the outside of mossville fighting for do we have our own radio stations news people fighting for us.

294

00:51:29.640 --> 00:51:38.520

Mrs. Bennett: about this ethylene oxide, I think, when we got a chance, the first time ever been on TV for mossville other lake Charles area since i've been in it.

295

00:51:39.510 --> 00:51:50.700

Mrs. Bennett: But we have a wonderful people police jira who weren't sweaters not one of them ever spoke up for but it's shown is the plan started hitting a white neighborhood.

296

00:51:51.450 --> 00:52:01.860

Mrs. Bennett: We began to speak up for them, this is a ratio matter against African Americans and Paul communities low income communities, we are.

297

00:52:02.580 --> 00:52:14.700

Mrs. Bennett: We are sick of it, because here you sitting up here, trying to find a reason to lower the emission which you know that's causing cancer and killing people that sounds very ignorant to me.

298

00:52:15.870 --> 00:52:23.940

Mrs. Bennett: We need to be on this line right now finding some way to do an Illinois did find some way.

299

00:52:25.050 --> 00:52:45.630

Mrs. Bennett: To get these people out of this area with debt find something else that can use besides ethylene oxide benzene doctrine everybody that was in our neighborhood that was tested with docs and his dad today, because nobody care I we asked us off number.

300

00:52:46.680 --> 00:52:52.560

Mrs. Bennett: By out there didn't do nothing about nothing and we just want to be made whole.

301

00:52:53.280 --> 00:53:06.240

Mrs. Bennett: Because I still want to know and ethylene oxide is bad and these other plants and all over yourself, but how many is surrounded by 15 of them and get up every morning with a cocktail of ethylene oxide that oxygen.

302

00:53:07.380 --> 00:53:22.440

Mrs. Bennett: And, been the and plus more every day of our life Come on, what are we on this small for the night Alec friend gave a good history only have to lean on that, but she never told me what else we could use besides at the lean on.

303

00:53:24.030 --> 00:53:28.890

Mrs. Bennett: The only use my brother died with our livers Maybe it was a.

304

00:53:29.970 --> 00:53:36.900

Mrs. Bennett: Little excited right now, because I lost the sister with cancer leukemia two brothers with.

305

00:53:38.160 --> 00:53:46.620

Mrs. Bennett: kidney failure i'm a little sick right now with autoimmune diseases inside them for years now, when my time comes.

306

00:53:47.100 --> 00:53:54.150

Mrs. Bennett: I don't need nobody to talk about all she did, but I look at all the ones who have been fighting in this area for and they.

307

00:53:54.990 --> 00:53:58.830

Mrs. Bennett: i'm looking from the past and anytime because everybody ever fought for us.

308

00:53:59.430 --> 00:54:20.100

Mrs. Bennett: In the mossville area, the males long didn't mail long at all if they came in breed this air they didn't they have long, but how many who's putting out ethylene oxide lives in mossville breathing this toxic Community air every day, but we sit in on this round talking about oh.

309

00:54:21.570 --> 00:54:34.980

Mrs. Bennett: they're putting out 300 to 1 million and they did this, and this is what it causes, and you have to breathe so much air to get this people are you real plan are you really putting this out there.

310

00:54:36.510 --> 00:54:48.960

Mrs. Bennett: Are you with us fine, are you going to tell us that we can breathe the air, but we have the brief so much of it that's my telling me to take some strict man, but just don't take too much.

311

00:54:50.400 --> 00:55:04.590

Mrs. Bennett: On God people when are we going to wake up and smell the roses that God has for us and they know more about smelling the coffee and mo What about the roses, what about the bird What about our grand key it.

312

00:55:06.240 --> 00:55:08.640

Mrs. Bennett: Because we all do, the ones that died off.

313

00:55:09.750 --> 00:55:27.570

Mrs. Bennett: But I still don't understand why we own this last race and people time wasting money when we can be using it right now to find something to get rid of ethylene oxide and find something better to use that to save lives, but of course that might have dollar is the one.

314

00:55:28.800 --> 00:55:37.770

Mrs. Bennett: And I can't think nobody enough for all the work that they have done for mossville but the people see are done in monster, we still suffering.

315



00:55:38.910 --> 00:55:57.900

Mrs. Bennett: And all we access to be bought out, we all that's all we ask this to be you don't destroy our Community there's nothing we can do for our Community, I dreamed of having a winter women's shelter in my community to help the women, but how can I bring them to a Community this put now cancer.

316

00:55:59.370 --> 00:56:09.240

Mrs. Bennett: going to kill the women with counsel because I want to add that you know we got to stop and look at it, no matter what you say, said that in May 620 21.

317

00:56:09.630 --> 00:56:24.090

Mrs. Bennett: That EPA office of Inspector General publish the results of an adult examine EPA response to updated cancerous values for ethylene oxide it went on and on, we got a whole industry.

318

00:56:25.980 --> 00:56:26.730

Mrs. Bennett: bummed out.

319

00:56:29.190 --> 00:56:36.480

Mrs. Bennett: about this chemical and now we want to sit on the line tonight and see what we can do to help them bring it down bring it out.

320

00:56:37.020 --> 00:56:48.390

Mrs. Bennett: Do what Illinois did shut them down that's what we want, we want to shut them down get them out of here they had no business here anyway, they say how could an African.

321

00:56:49.140 --> 00:57:02.370

Mrs. Bennett: South African Community plant come to the Community here in America, where they did it because America is dying over \$1 being worried about people don't let anybody, and they don't care as long as they got \$1.

322

00:57:05.730 --> 00:57:06.600

Gloria Vaughn: Business Bennett.

323

00:57:06.870 --> 00:57:07.950

Mrs. Bennett: This is cool yeah.

324

00:57:08.520 --> 00:57:21.420

Gloria Vaughn: I thank you so much for your heartfelt comments and I feel your pain, I feel, your frustration and I feel for you and I feel for the Moscow Community Thank you.

325

00:57:21.900 --> 00:57:24.090

Mrs. Bennett: know you do glory, I know you do.

326

00:57:25.500 --> 00:57:28.230

Mrs. Bennett: You mean it's not much you can do about it.

327

00:57:28.830 --> 00:57:36.960

Gloria Vaughn: And you know, I would like to hear from others from this Peters and others and.

328

00:57:36.990 --> 00:57:37.500

There may be.

329

00:57:38.670 --> 00:57:46.740

Gloria Vaughn: for you to come back and there's still something you want to say that I do thank you so much for letting us know.

330

00:57:50.160 --> 00:57:53.040

Mrs. Bennett: Let me know when the five minutes, and since they didn't let me know.

331

00:57:54.720 --> 00:57:55.950

Mrs. Bennett: I took advantage of it.

332

00:58:14.520 --> 00:58:14.760

Ms. Peters: Hello.

333

00:58:15.360 --> 00:58:16.440

Gloria Vaughn: Yes, we can hear you.

334

00:58:18.330 --> 00:58:20.460

Ms. Peters: Okay, are you ready for me to speak.

335

00:58:21.240 --> 00:58:22.380

Gloria Vaughn: Yes, ma'am we are.

336

00:58:23.460 --> 00:58:23.820

Ms. Peters: Okay.

337

00:58:25.110 --> 00:58:30.540

Ms. Peters: First of all, i'd like to say, good evening, and thank you for inviting us to your.

338

00:58:32.400 --> 00:58:46.770

Ms. Peters: Absolutely not slide slideshow and before I get started, I would like to applaud visits Bennett for speaking her heart and speaking our truth, because.

339

00:58:48.000 --> 00:58:52.080

Ms. Peters: I know how she feel and know exactly how she feels but.

340

00:58:53.550 --> 00:58:55.200

Ms. Peters: Nevertheless, i'm going to go ahead on and.

341

00:58:56.520 --> 00:58:57.780

Ms. Peters: share with you my heart.

342

00:58:59.580 --> 00:59:05.190

Ms. Peters: I think everybody knows that you already know my name i'm carolyn Peters and i'm.

343

00:59:06.780 --> 00:59:13.350

Ms. Peters: concerned citizens of malls feel as a nonprofit organization that we've gotten together to do so that we can try to.

344

00:59:14.430 --> 00:59:23.190

Ms. Peters: change the situation that we find ourselves in right now for the remaining residents in Malta deal so before I get started.

345

00:59:24.210 --> 00:59:25.110

Ms. Peters: I just want to say.

346

00:59:26.790 --> 00:59:31.470

Ms. Peters: We didn't come here this evening to be contentious or disruptive.

347

00:59:32.700 --> 00:59:43.680

Ms. Peters: However, we have to take advantage of every opportunity that we have to speak our truth and that's what you just heard from it's been it.

348

00:59:46.980 --> 00:59:47.790

Ms. Peters: This is where we are.

349

00:59:50.220 --> 00:59:53.370

Ms. Peters: we've been fighting this fight for over 40 years.

350

00:59:54.570 --> 01:00:02.340

Ms. Peters: With all the environmental and justice and environmental racism that's been going on in most fields.

351

01:00:04.260 --> 01:00:06.900

Ms. Peters: it's never stopped it's never changed.

352

01:00:08.640 --> 01:00:11.490

Ms. Peters: The thing that I find so disheartening is.

353

01:00:12.570 --> 01:00:14.100

Ms. Peters: We have a police car.

354

01:00:15.630 --> 01:00:20.730

Ms. Peters: Well, less than a month ago was on TV the TV the neatest.

355

01:00:22.530 --> 01:00:32.880

Ms. Peters: Telling 20 families on Houston river road that he will get them a place at the table itself sauce to discuss by out.

356

01:00:34.980 --> 01:00:42.150

Ms. Peters: There discussing by out because those 20 white families can't stand the noise from Samsung.

357

01:00:43.740 --> 01:00:44.370

Ms. Peters: Knowing.

358

01:00:46.380 --> 01:00:47.700

Ms. Peters: We have been talking.

359

01:00:48.990 --> 01:00:49.710

Ms. Peters: Oh guys.

360

01:00:51.150 --> 01:00:59.700

Ms. Peters: That same police jokes has never offered us the same opportunity and we're fighting for online I find something wrong with that.

361

01:01:00.960 --> 01:01:11.430

Ms. Peters: it's this all up in your face and it's deliberate and if anybody can't wrap your head around that then something's really wrong there's something.

362

01:01:13.320 --> 01:01:14.460

Ms. Peters: That happens said that.

363

01:01:15.810 --> 01:01:20.730

Ms. Peters: Having said that, this is what we're faced with this evening, this is why I showed up.

364

01:01:22.830 --> 01:01:29.610

Ms. Peters: me and my other C calm Members had an in depth conversation with our.

365

01:01:31.350 --> 01:01:33.270

Ms. Peters: Scientists environmental scientist.

366

01:01:34.470 --> 01:01:38.820

Ms. Peters: and her findings are quite different from the ones that EPA has.

367

01:01:39.930 --> 01:01:40.590

Ms. Peters: published.

368

01:01:41.790 --> 01:01:42.960

Ms. Peters: Now, having said that.

369

01:01:45.180 --> 01:01:46.500

Ms. Peters: i'd like to go through these.

370

01:01:47.940 --> 01:01:56.070

Ms. Peters: All of the findings that our scientists found, contrary to what EPA is giving us okay.

371

01:01:57.690 --> 01:01:58.380

Ms. Peters: here's where we are.

372

01:01:59.730 --> 01:02:00.420

Ms. Peters: First of all.

373

01:02:02.040 --> 01:02:17.640

Ms. Peters: I have to get this out of my system, because after I get through answering the slide EPA had 28 slides our scientists kind of didn't that to nine slides things of actual relevance and truth.

374

01:02:19.230 --> 01:02:19.470

Ms. Peters: Okay.

375

01:02:20.520 --> 01:02:21.270

Ms. Peters: First of all.

376

01:02:23.130 --> 01:02:24.330

Ms. Peters: mossville residence.

377

01:02:25.980 --> 01:02:48.150

Ms. Peters: has been the audience to many of the same old minstrel shows for over 40 years 40 years and and the way I see it, is like bring out the violence they're getting ready to play the same old song let's talk let's talk let's talk that's that's what I think that's The way I see it.

378

01:02:49.770 --> 01:02:50.250

Ms. Peters: i'll ever.

379

01:02:53.580 --> 01:02:54.720

Ms. Peters: Why they're talking.

380

01:02:56.160 --> 01:03:01.080

Ms. Peters: people still die every day, every day in our Community everything.

381

01:03:03.630 --> 01:03:05.280

Ms. Peters: So I say.

382

01:03:06.570 --> 01:03:14.550

Ms. Peters: it's time to stop talking because start doing and for all the powers that be, all the way from reading.

383

01:03:16.020 --> 01:03:16.740

Ms. Peters: The heidel.

384

01:03:18.300 --> 01:03:18.990

Ms. Peters: David.

385

01:03:20.580 --> 01:03:21.150

Ms. Peters: All of you.

386

01:03:22.800 --> 01:03:31.920

Ms. Peters: You have a you have a burden, you have to deal with, and I, and I say burden, because when we say, people are dying when I just saying that.

387

01:03:33.030 --> 01:03:38.010

Ms. Peters: To be to get your attention with saying that because it's true.

388

01:03:40.170 --> 01:03:47.490

Ms. Peters: So what i'm saying is you are all in the position to change our point every one of you.

389

01:03:48.810 --> 01:03:55.710

Ms. Peters: Yet what what what happens, the reality is you bring us together to talk.

390

01:03:57.450 --> 01:04:05.040

Ms. Peters: Until we also what I saw title, listen to the talk, we know it by heart, we already know everything that's going to be said, we already know.

391

01:04:06.330 --> 01:04:08.670

Ms. Peters: So let's do something of substance.

392

01:04:09.690 --> 01:04:24.180

Ms. Peters: Something that's real and something that isn't it and what i'm speaking about is drawing up a plan to get the remaining residence of malls view our phones way that's what i'm saying.

393

01:04:25.230 --> 01:04:26.940

Ms. Peters: that's what i'm saying so.

394

01:04:27.960 --> 01:04:28.350

My.

395

01:04:29.460 --> 01:04:32.340

Ms. Peters: Other reason get a night was to rebut.

396

01:04:33.510 --> 01:04:45.960

Ms. Peters: What it is, is a messy Francis were hailing I just shared with this wonderful presentation with van halen We appreciate your efforts and your hard work on shurtleff times and so me, however.

397

01:04:47.160 --> 01:04:50.400

Ms. Peters: This is what my side our scientists ended up with.

398

01:04:51.600 --> 01:04:56.310

Ms. Peters: I want you to follow, along with me, there are only nine slides so it won't take me long.

399

01:04:57.450 --> 01:04:58.710

Ms. Peters: On slide number one.

400

01:04:59.820 --> 01:05:01.020

Ms. Peters: EPA said that.

401

01:05:02.520 --> 01:05:05.040

Ms. Peters: ethylene oxide is.

402

01:05:06.870 --> 01:05:16.830

Ms. Peters: colorless odorless and all that yeah, we know that we know that the PAC man that got the link oxide is a carcinogen to humans yeah, we know that too.

403

01:05:18.000 --> 01:05:21.450

Ms. Peters: So you're telling us things that we already know.

404

01:05:22.680 --> 01:05:36.150

Ms. Peters: So, what are you going to do about it that's the question and the bottom line is there is no safe level or exposure to any carcinogen, including ethylene oxide.

405

01:05:37.650 --> 01:05:39.390

Ms. Peters: A let's move on to slide number to.

406

01:05:42.690 --> 01:05:44.760

Ms. Peters: Be miss van halen stated.

407

01:05:45.780 --> 01:06:03.510



Ms. Peters: That according to the EPA as our as I micro data mossville has the top 1% most toxic air in the Louisiana and tap issue Parish has the highest toxin emissions than any other Louisiana Parish.

408

01:06:04.830 --> 01:06:05.100

Ms. Peters: hey.

409

01:06:06.420 --> 01:06:07.680

Ms. Peters: let's go on to number three.

410

01:06:08.700 --> 01:06:14.520

Ms. Peters: EPA talks about talks a lot about background levels of ethylene oxide.

411

01:06:15.570 --> 01:06:34.680

Ms. Peters: yeah just because EPA has not identified the source of ethylene upside that doesn't mean that background doesn't mean oxide is natural that you cannot take that mindset What purpose does it serve to talk about background.

412

01:06:36.060 --> 01:06:44.580

Ms. Peters: What does it serve, we know that the source of ethylene oxide in our Community is sasol that's it bottom line.

413

01:06:45.840 --> 01:06:46.770

Ms. Peters: into discussion.

414

01:06:48.600 --> 01:06:55.170

Ms. Peters: number for the PA talks about non cancerous from South Korea new mission.

415

01:06:56.340 --> 01:07:01.050

Ms. Peters: However, does have proven that chlorine emissions pose a risk.

416

01:07:01.350 --> 01:07:07.560

Ms. Peters: To our respiratory system and, therefore, is imperative that this risk event.

417

01:07:08.670 --> 01:07:12.990

Ms. Peters: is especially given the fact of own gone cold it 1910 dimmick.

418

01:07:14.880 --> 01:07:31.020

Ms. Peters: And slide number five the pH conservative and misleading model is based on 70 years of exposure, this does not mean that it takes 70 years to develop cancer, I will the model is realistic or not.

419

01:07:32.250 --> 01:07:34.380

Ms. Peters: And if the model is real this.

420

01:07:35.520 --> 01:07:37.170

Ms. Peters: Wine is EPA using.

421

01:07:38.280 --> 01:07:54.360

Ms. Peters: Now music van halen just did that there's an increased risk of the risk of developing cancer right yes of course she's sharing with you well we've already known for decades, we know this we've lost so many people because of this.

422

01:07:56.370 --> 01:08:06.120

Ms. Peters: Like number six according to the EPA presentation South Los definitely an oxide emissions have more than doubled since 2017.

423

01:08:07.530 --> 01:08:21.990

Ms. Peters: There therefore, how can we believe sasquatch and EPA is actively working to reduce ethylene oxide emissions when the levels have recently devil how.

424

01:08:23.070 --> 01:08:25.410

Ms. Peters: What do you do, what do you do.

425

01:08:27.450 --> 01:08:28.500

Ms. Peters: number seven.

426

01:08:29.970 --> 01:08:31.200

Ms. Peters: EPA indicated.

427

01:08:32.310 --> 01:08:35.430

Ms. Peters: That in 2014 through 2016.

428

01:08:37.290 --> 01:08:44.190

Ms. Peters: That so dropped from 12,000 pounds to 2000 pounds of ethylene oxide in multiple.

429

01:08:45.390 --> 01:08:59.100

Ms. Peters: Yet, it will be teams database indicated that southpaw released approximately 2000 pounds of ethylene outside in 2014 in mossville.

430

01:09:00.120 --> 01:09:07.740

Ms. Peters: Therefore, there was no actual decrease and ethylene hop slide from 2014 to 2015.

431

01:09:08.970 --> 01:09:25.290

Ms. Peters: So how can help your residents trust EPA when they are showing up misleading graph yes here tonight, this evening, the the years 2015 and 2016 we're omitted off the breath wow I wonder why.

432

01:09:27.420 --> 01:09:31.050

Ms. Peters: Was this an accident intentionally misleading.

433

01:09:32.370 --> 01:09:33.150

Ms. Peters: What do you think.

434

01:09:34.830 --> 01:09:45.630

Ms. Peters: And number eight most of the residents have not been given any evidence to support South salt recalculated ethylene outside values even.

435

01:09:46.200 --> 01:10:04.020

Ms. Peters: If we accepted the new values, most of your residence cancer risk from South so is triple what EPA and ld to consider to be acceptable, which is 300 and a million versus 100 in the million do the math see it for yourself.

436

01:10:05.280 --> 01:10:23.850

Ms. Peters: Based on 2019 cancer hazard values from EPA or SCI database southpaw rings 36 out of more than 15,000 industrial facilities in the United States, but the most toxic cancer, causing air pollution.

437

01:10:26.520 --> 01:10:27.630

Ms. Peters: I get stuck on that.

438

01:10:28.860 --> 01:10:31.650

Ms. Peters: Because it scares me it scares me.

439

01:10:32.820 --> 01:10:38.850

Ms. Peters: And the last slide is number nine says, since December 2016.

440

01:10:40.110 --> 01:10:59.550

Ms. Peters: DPA has known about the high risk of definitely upside in our most feel Community just arena just facility and willowbrook Illinois emitted approximately 5000 pounds of ethylene oxide per year and was set down.

441

01:11:00.750 --> 01:11:05.550

Ms. Peters: that's all he needed approximately the same amount in 2020.

442

01:11:07.290 --> 01:11:09.510

Ms. Peters: Now, so an EPA.

443

01:11:10.950 --> 01:11:15.720

Ms. Peters: The time for evaluating your mission control strategies is over.

444

01:11:18.720 --> 01:11:22.230

Ms. Peters: We need immediate action to stop the killing and merges.

445

01:11:23.280 --> 01:11:29.880

Ms. Peters: This template SAS EPA and ld to to get multiple residents out of harm's way.

446

01:11:31.740 --> 01:11:32.520

Ms. Peters: And as far as.

447

01:11:34.170 --> 01:11:38.580

Ms. Peters: The slides that i'm finished with that, but what I want to leave with you.

448

01:11:40.170 --> 01:11:43.950

Ms. Peters: Is that once we get through talking about the presentation tonight.

449

01:11:45.210 --> 01:11:51.150

Ms. Peters: till we get down to some real business and talk about the business of saving lives, can we do that.

450

01:11:52.710 --> 01:11:53.370

Ms. Peters: We do that.

451

01:11:55.170 --> 01:11:55.620

Thank you.

452

01:12:02.700 --> 01:12:09.840

Debora Browning: Bennett and Mrs Peters we hear your heartfelt concerns and appreciate you sharing with us tonight.

453

01:12:12.480 --> 01:12:13.710

Debora Browning: Next slide please.

454

01:12:29.160 --> 01:12:31.230

Debora Browning: Can you afford the next slide please.

455

01:12:36.090 --> 01:12:39.750

Debora Browning: we're at the question and answer portion of our meeting in your.

456

01:12:40.620 --> 01:12:45.930

Debora Browning: comments and questions are very important to us, an extra time has been included to hear from the Community.

457

01:12:46.320 --> 01:12:53.010

Debora Browning: As mentioned at the beginning of the meeting, you can post a question in the chat box using the button at the bottom of your screen.

458

01:12:53.850 --> 01:13:01.620

Debora Browning: order to address, as many of your questions as possible Please submit your questions in limit them to two minutes.

459

01:13:02.010 --> 01:13:17.520

Debora Browning: We have already received a few questions in the chat box and I appreciate those questions already submitted as a reminder, the meeting is focused on hearing from the citizens and the lake Charles waste like westlake area near the sasol chemicals.

460

01:13:19.020 --> 01:13:29.910

Debora Browning: is related to industry permits any enforcement, including inspections and surveillances or legal actions for about other areas of facilities will not be addressed during this Community meeting.

461

01:13:31.980 --> 01:13:45.540

Debora Browning: sense or other ethylene oxide related questions and comments to the EPA region six email box at our six ethylene oxide@epa.gov again this link will be posted in the chat box.

462

01:13:46.650 --> 01:13:57.210

Debora Browning: EPA will post, the list of questions and answers on the EPA region six website that will be listed that has been listed already in the chat box and will again be posted.

463

01:13:58.170 --> 01:14:07.290

Debora Browning: Shortly these web links will be were included in the announcement and will be forwarded to the States afterwards for distribution next slide please.

464

01:14:11.250 --> 01:14:12.060

Debora Browning: My colleague.

465

01:14:13.800 --> 01:14:20.880

Debora Browning: genetic codes and glory Yvonne will assist me with the Q amp a session I will check with Jeanette up periodically for a hand raise check.

466

01:14:21.210 --> 01:14:29.010

Debora Browning: Or, to see if our balance participants have any questions both Jeanette and Gloria will assist me with direct message chat box questions.

467

01:14:29.460 --> 01:14:39.510

Debora Browning: For those dialing in on the phone please mute your phone by pressing star six there will be an opportunity for phone attendees to ask a question during the Q amp a session.

468

01:14:39.960 --> 01:14:48.330

Debora Browning: When recognized to speak, you will unmute your line by pressing star six please identify yourself prior to asking your question.

469

01:14:53.670 --> 01:15:03.030

Debora Browning: As a reminder, if you would like to send a question to be read in the chat box preferred remain anonymous you may do so through a direct message option in the chat box.

470

01:15:03.360 --> 01:15:17.400

Debora Browning: This slide shows an example of where to find the direct messaging option in the chat box let message option, then use the arrow drop the arrow down to select dressing direct messaging to genetic codes or Gloria on.

471

01:15:28.950 --> 01:15:51.840

Debora Browning: fram I have several questions and our first question comes from Joel Joel Davidson he's a lake Charles resident, which is five miles from sasol he would like to know, has the EPA compared ethylene oxide levels and risk in urban areas, with no industrial areas for increased cancer.

472

01:15:56.730 --> 01:15:57.900

Frances Verhalen: Thank you for the question.

473

01:15:59.550 --> 01:16:01.830

Frances Verhalen: EPA has evaluated.

474

01:16:06.630 --> 01:16:08.910

Frances Verhalen: Let me see if I can address your question.

475

01:16:10.770 --> 01:16:17.100

Frances Verhalen: When we look for our risk evaluations, we are starting primarily with.

476

01:16:18.540 --> 01:16:25.770

Frances Verhalen: Our emissions inventory, so the sources are coming from industrial sources for the most part.

477

01:16:27.270 --> 01:16:37.230

Frances Verhalen: If those industrial sources are in urban areas, then we have evaluated that industry covers a lot of territory that does include.

478

01:16:37.980 --> 01:16:55.500

Frances Verhalen: Commercial stabilizers and hospital sterilized that are typically found the commercial stabilizers are found in industrial areas often but the hospitals may be in urbanized areas, so we have evaluated those risks.

479

01:16:56.670 --> 01:16:57.450

Frances Verhalen: For.

480

01:16:58.770 --> 01:17:05.250

Frances Verhalen: Other risks, we do have a network EPA monitors.

481

01:17:06.750 --> 01:17:17.580

Frances Verhalen: Different air toxics across the nation, we have found low concentrations of ethylene oxide in urban areas, using our.

482

01:17:18.630 --> 01:17:35.250

Frances Verhalen: urban air toxic monitoring program or our national air toxics trends station monitoring systems it's two different networks those data are posted on APIs website Deborah.

483

01:17:39.570 --> 01:17:47.070

Debora Browning: Thank you fran I know we have several hands raised but i'd like to ask one other question and then go to some hands being raised.

484

01:17:48.480 --> 01:17:51.420

Debora Browning: This next question comes from lori halls.

485

01:17:52.560 --> 01:18:06.450

Debora Browning: it's a comment, and then the question so fran i'll read the comment first EPI region six has failed to make it clear in the materials, provided that it's easy to cancer risk estimates are entirely theoretical.

486

01:18:07.200 --> 01:18:14.430

Debora Browning: They react will further the air concentrations associated with the controversial cancer toxicity value.

487

01:18:14.820 --> 01:18:28.680

Debora Browning: That EPA relied upon in developing these cancer risk estimates is approximately 20 times lower than the air concentrations associated with ETA levels that our body produces naturally.

488

01:18:29.250 --> 01:18:42.180

Debora Browning: This suggests, we are all at high risk of developing cancer due to our body's natural production of et yo can EPA region six help explain this.

489

01:18:48.600 --> 01:18:59.190

Frances Verhalen: Okay, so um I heard a couple of things and i'll try to address the question that I heard predominantly yes.

490

01:19:01.320 --> 01:19:07.140

Frances Verhalen: We all produce ethylene oxide in our bodies at.

491

01:19:09.210 --> 01:19:13.020

Frances Verhalen: The concentrations that we produce.

492



01:19:20.910 --> 01:19:28.350

Frances Verhalen: i'm not sure i'm understanding her point but from what I gather now i'm not going to go there i'm good at.

493

01:19:28.740 --> 01:19:43.080

Frances Verhalen: That part i'm going to have to do the research on and get you an answer online, however, yes, I do agree that ethylene oxide is produced by humans within the body, it is typically not in concentrations that.

494

01:19:44.940 --> 01:19:45.420

Frances Verhalen: Are.

495

01:19:47.250 --> 01:19:56.790

Frances Verhalen: lethal however i'll have to do a little more talks toxicological research to get back of will answer on that one.

496

01:20:01.170 --> 01:20:03.300

Ms. Peters: This is carolyn Peters may I speak.

497

01:20:04.920 --> 01:20:05.460

Frances Verhalen: Yes, ma'am.

498

01:20:05.700 --> 01:20:05.910

Oh.

499

01:20:07.110 --> 01:20:10.740

Ms. Peters: Okay, and and I know you this is Francis train.

500

01:20:11.490 --> 01:20:12.090

Frances Verhalen: Yes, it is.

501

01:20:13.170 --> 01:20:13.560

Ms. Peters: Okay.

502

01:20:15.000 --> 01:20:22.470

Ms. Peters: We understand about the body producing ethylene oxide, we got that we get that, however.

503

01:20:23.970 --> 01:20:30.960

Ms. Peters: we're not producing enough ethylene oxide and our bodies to tell us you know it just to make a statement like that is absolutely ridiculous.

504

01:20:31.560 --> 01:20:46.200

Ms. Peters: What what what the focus needs to be on is what South ball is producing that's killing people that ethylene outside that has nothing to do with our body, except for poison unit that's it that's not a hard question answer.

505

01:20:49.260 --> 01:20:57.840

Frances Verhalen: Oh well, thank you, Miss Peters um yes and you're right there's a difference between the amount that it's emitted from.

506

01:20:58.890 --> 01:21:05.070

Frances Verhalen: The sasol facility as opposed to what the human body produces you're correct, so thank you.

507

01:21:07.980 --> 01:21:08.400

Frances Verhalen: debra.

508

01:21:12.570 --> 01:21:18.660

Debora Browning: Thank you fran Thank you miss Peters for your comment, I also received a comment um.

509

01:21:19.980 --> 01:21:31.980

Debora Browning: friend hang on for miss Kimberly terrell she also made a statement that and we also produce we our bodies also produce carbon monoxide flooring and ammonia in our bodies.

510

01:21:33.330 --> 01:21:34.410

Debora Browning: Just because our bodies.

511

01:21:34.410 --> 01:21:35.640

Debora Browning: produce it doesn't make it.

512

01:21:35.640 --> 01:21:38.250

Debora Browning: Safe to breed so I just wanted to provide that extra.

513

01:21:38.250 --> 01:21:57.420

Debora Browning: comments and Miss terrell i'd like to take a moment to go and check with janita on our hand raises I know we've got several and upon us just a moment ago, before our last question that we will go ahead and check with the hand razors so genetic let's address a couple of those.

514

01:21:57.870 --> 01:22:11.220

Janetta Coats: Yes, Deborah Thank you and the first hand raised, we would like to recognize Randy burly Randy if you could press star six and unmute your phone, we would appreciate it.

515

01:22:11.880 --> 01:22:24.480

Janetta Coats: And then, after Mr early, we will go to the next person with the hand rage, which was Mr Stanford frank, I believe, so Randy, could you please unmute and ask you a question, please.

516

01:22:25.440 --> 01:22:40.020

Randy Burleigh: Good evening Randy barley and i'm kalki parish police your for district 14 in a way, as a resident and district 14 encompasses westlake malls veal and nor so for area around the size of plan.

517

01:22:40.710 --> 01:22:50.130

Randy Burleigh: i'm also a former employee of sasol just wanted to close them and I completely agree that the priority here should be hearing from local residents.

518

01:22:50.700 --> 01:23:00.750

Randy Burleigh: and would like to request those commenting or asking questions state or city of resonance and or the proximity to sasol so I can better understand and sentiments in my community.

519

01:23:01.650 --> 01:23:09.930

Randy Burleigh: But That said, I want to stress that I do understand and appreciate that the members of our community may have concerns about clean air and public tail.

520

01:23:10.440 --> 01:23:15.510

Randy Burleigh: i'm one of them, as I live just about approximately three miles north of that side so i'll plan.

521

01:23:16.380 --> 01:23:27.570

Randy Burleigh: also understand that companies that produce ethylene oxide are highly regulated and have multiple safety protocols and standards in place to handle the Eo and other chemicals that they produce, are you.

522

01:23:29.010 --> 01:23:39.030

Randy Burleigh: i'm looking at your July 2021 report title results of risk assessment of ethylene oxide emitting facilities in Texas and Louisiana.

523

01:23:39.780 --> 01:23:55.860

Randy Burleigh: Yes, and on page six you tell me that because I live near Sasso I have a three in one me and risk of getting cancer, then, on page 16 it says, only eight of the 250 3000 people living in our area actually had the risk.

524

01:23:56.940 --> 01:24:05.400

Randy Burleigh: Who are those eight people and how did you define that group, how do I know if I'm one of those eight people out at 253,000.

525

01:24:09.600 --> 01:24:14.070

Frances Verhalen: Oh well, I'm gonna have to go back and dig into the details of that.

526

01:24:15.690 --> 01:24:18.000

Frances Verhalen: What we were looking at I'm.

527

01:24:19.500 --> 01:24:21.180

Frances Verhalen: In switching over.

528

01:24:23.520 --> 01:24:25.620

Frances Verhalen: To a more refined.

529

01:24:26.970 --> 01:24:46.410

Frances Verhalen: Number the eight and 253 253,000 will have to go back and look at that they, these are modeled and calculated numbers, we don't identify specific individuals or specific locations, it is based on.

530

01:24:48.000 --> 01:24:50.850

Frances Verhalen: populations and we modeled that.

531

01:24:54.690 --> 01:24:56.760

Frances Verhalen: I have a technical.

532

01:24:57.930 --> 01:25:06.270

Frances Verhalen: guru on the line ruben um if you could check into that and let us see if we can get you a better.

533

01:25:09.090 --> 01:25:17.100

Frances Verhalen: Answer just in a short while Mr burly let me have ruben look that up and we'll come back to that, if I may, thank you.

534

01:25:17.130 --> 01:25:18.630

Randy Burleigh: Okay Okay, thank you.

535

01:25:20.550 --> 01:25:29.400

Gloria Vaughn: And fran before we move to the next question, Mr early requested that people who are making comments identify themselves.

536

01:25:30.210 --> 01:25:40.530

Gloria Vaughn: so that he can better have an understanding as to who is the sentiment in the Community that is representing i'd like to point out that.

537

01:25:41.370 --> 01:25:53.010

Gloria Vaughn: We do not require people to identify themselves because we realize that some people may not feel comfortable in doing so, so if people feel that they do not want to.

538

01:25:53.490 --> 01:26:06.360

Gloria Vaughn: identify themselves, they did not have to, and also a reminder that we do have the direct message capability that's shown on the screen for people who want to provide comments that.

539

01:26:11.370 --> 01:26:11.850

Frances Verhalen: Thank you.

540

01:26:13.650 --> 01:26:34.770

Debora Browning: Thank you Gloria for that reminder as well and fran what we'll do is we'll come back to rubens response to Mr barley sessions so until till our roof and time to look up that response i'll go back over to dirt to genetic she had a couple of other people that were going to speak.

541

01:26:35.970 --> 01:26:45.300

Janetta Coats: Is Thank you Deborah at this time, we would like to ask Mr Stanford Stafford frank to star six and unmute his.

542

01:26:45.300 --> 01:26:47.880

Janetta Coats: line and ask you a question, please, sir.

543

01:26:50.370 --> 01:26:52.890

Stafford Frrank: My name is Stephen fine, can you hear me okay.

544

01:26:53.310 --> 01:26:55.170

Janetta Coats: Yes, we hear you loud and clear, thank you.

545

01:26:55.740 --> 01:26:56.400

OK.

546

01:26:57.630 --> 01:26:58.080

Stafford Frrank: frank.

547

01:26:58.710 --> 01:27:07.440

Stafford Frrank: I like to take you back to the slide where you were talking about background numbers and.

548

01:27:08.970 --> 01:27:11.220

Stafford Frrank: You mentioned.

549

01:27:13.620 --> 01:27:29.160

Stafford Frrank: I guess how the EPA came up with the idea or how background levels, one of the ways background levels came about.

550

01:27:29.670 --> 01:27:30.060

Frances Verhalen: Yes, sir.

551

01:27:30.990 --> 01:27:34.590

Stafford Frrank: And it had to do with the fact that.

552

01:27:36.990 --> 01:27:44.730

Stafford Frrank: You had monitors upstream and downstream of of the of a plant and and.

553

01:27:45.870 --> 01:28:01.950

Stafford Frrank: Have a facility and the downstream monitors are monitoring, but then you had readings on the upstream and that led to believe that that that something was a misc.

554

01:28:03.090 --> 01:28:06.780

Stafford Frrank: Did I hear that correctly, is that what you said.

555

01:28:07.740 --> 01:28:15.510

Frances Verhalen: That that's close what would what we found was that because we had concentrations in the upwind.

556

01:28:17.340 --> 01:28:34.620

Frances Verhalen: samples that were not expected, we do expect some measurement in the upwind samples, because the wind is rarely in one direction for the entire sampling period, so we do expect.

557

01:28:34.650 --> 01:28:35.640

Ms. Peters: Some mixing.

558

01:28:35.910 --> 01:28:51.900

Frances Verhalen: But it was higher than we thought, and it was repeatedly higher than we thought so then we thought there might be another source, but we couldn't identify another source so we're trying we're still trying to understand.

559

01:28:52.680 --> 01:29:01.380

Frances Verhalen: How that background, how that up wind location had such a high sample concentration.

560

01:29:01.740 --> 01:29:04.740

Stafford Frrank: I guess my my comment to that would be.

561

01:29:06.810 --> 01:29:07.920

Stafford Frrank: You know.

562

01:29:09.240 --> 01:29:18.810

Stafford Frrank: People who fight forest fires, they can be 10 miles away from the forest fire me and they all taken smelled smoke.

563

01:29:19.680 --> 01:29:20.100

Frances Verhalen: Yes, sir.

564

01:29:20.940 --> 01:29:25.920

Stafford Frrank: So I don't I don't see the connection there.

565

01:29:27.030 --> 01:29:41.970

Frances Verhalen: And that may be part of what is going on, we are doing some we are conducting some research into different sources, including transport with ethylene oxide.

566

01:29:42.990 --> 01:29:53.820

Frances Verhalen: Because of the type of molecule it is it's less likely to transport too far, but we don't know exactly how far is too far yet.

567

01:29:55.170 --> 01:30:14.760

Frances Verhalen: So we are looking into that, as you said, with a forest fire, you may be able to smell smoke much further away, and part of that is because of the particulate size and the way that the smoke will transport in the wind and stay together, yes, sir.

568

01:30:16.800 --> 01:30:16.980

Stafford Frrank: I.

569

01:30:18.630 --> 01:30:20.610

Stafford Frrank: had a chance to to.

570

01:30:21.690 --> 01:30:25.110

Stafford Frrank: read that study that was done on.

571

01:30:26.460 --> 01:30:29.340

Stafford Frrank: The risk assessment that.

572

01:30:29.430 --> 01:30:35.670

Stafford Frrank: You use the human exposure model for yes and.

573

01:30:37.620 --> 01:30:38.790

Stafford Frrank: And when.

574

01:30:40.020 --> 01:30:44.400

Stafford Frrank: sasol reading came out of the 300.

575

01:30:45.660 --> 01:30:52.410

Stafford Frrank: To a million which with your cut off as a as 100 so.

576

01:30:53.790 --> 01:30:54.660

Stafford Frrank: So.

577

01:30:55.980 --> 01:30:56.310

Stafford Frrank: and

578

01:30:57.630 --> 01:31:03.810

Stafford Frrank: I had a couple questions about that study and.

579

01:31:05.580 --> 01:31:13.650

Stafford Frrank: I was wondering about that 50 kilo needle rating radius.

580



01:31:14.670 --> 01:31:15.030  
Frances Verhalen: Okay.

581  
01:31:15.630 --> 01:31:16.980  
Stafford Frrank: Is is.

582  
01:31:18.600 --> 01:31:20.670  
Stafford Frrank: Is that.

583  
01:31:22.650 --> 01:31:23.820  
Stafford Frrank: radius.

584  
01:31:26.640 --> 01:31:36.480  
Stafford Frrank: From that would be taken from us from the Center of  
sasol going out 5050 milliliters you 50 kilometers.

585  
01:31:37.710 --> 01:31:47.820  
Frances Verhalen: It will be from the source of the mission, so it may  
be, from a stack it may be, from a.

586  
01:31:48.960 --> 01:31:49.830  
Frances Verhalen: flare.

587  
01:31:50.850 --> 01:32:17.880  
Frances Verhalen: So we do individual evaluations from each source of the  
emission so in general it's kind of from the middle of the facility, but,  
but in reality when we run the model we are looking at each source of  
emissions that is identified by the facility.

588  
01:32:18.120 --> 01:32:21.120  
Frances Verhalen: In their admission inventory, we take.

589  
01:32:21.150 --> 01:32:39.030  
Frances Verhalen: That information and we run the model, and then we take  
the next source and we run the model, and we take the next source large  
facilities will have more than one source of the mission so we'll do all  
of that, and the model will.

590  
01:32:40.860 --> 01:32:44.070  
Frances Verhalen: run such that it will.

591  
01:32:44.310 --> 01:32:49.380  
Frances Verhalen: Average the risk from each one and determine.

592

01:32:50.700 --> 01:33:08.880

Frances Verhalen: overlapping risk more or less and come up with what's what's called a an ISO Plath and so that gives us a different you know, an area of concern, where we have higher constructions lower concentrations the.

593

01:33:09.390 --> 01:33:13.170

Frances Verhalen: mama used in the model is just the.

594

01:33:14.430 --> 01:33:17.040

Frances Verhalen: Further limit that we will go for the model.

595

01:33:17.610 --> 01:33:25.770

Stafford Frrank: But my point is, is that it makes the fence land Community basically an invisible.

596

01:33:26.790 --> 01:33:28.770

Stafford Frrank: And because.

597

01:33:30.120 --> 01:33:38.520

Stafford Frrank: The fence line communities, you know is is is maybe within one or two kilometers from.

598

01:33:39.540 --> 01:33:41.430

Stafford Frrank: From facility.

599

01:33:42.570 --> 01:33:45.270

Stafford Frrank: And so, and you you're going out.

600

01:33:46.500 --> 01:33:47.460

Stafford Frrank: columns.

601

01:33:48.180 --> 01:33:55.980

Frances Verhalen: Yes, the model, so the model does take that into account and it looks at what's called.

602

01:33:56.010 --> 01:34:05.640

Frances Verhalen: dispersion factors so with ethylene oxide, even though it's going out 50 kilometers and.

603

01:34:08.310 --> 01:34:30.180

Frances Verhalen: As it gets further away from the source area it will have less and less concentration of ethylene oxide in it, so the higher concentrations of ethylene oxide, are going to be dispersed closer to the facility in general and it's not going to be a one for one dispersal pattern.

604

01:34:31.170 --> 01:34:31.590  
Stafford Frrank: or but.

605

01:34:32.790 --> 01:34:41.640  
Frances Verhalen: takes that into consideration, so that, as you get further away, it is less likely, you will have higher concentrations.

606

01:34:41.880 --> 01:34:43.350  
So it does.

607

01:34:44.460 --> 01:34:45.450  
Frances Verhalen: Unfortunately.

608

01:34:46.530 --> 01:34:48.360  
Frances Verhalen: With with dispersion pattern.

609

01:34:49.500 --> 01:34:51.090  
Stafford Frrank: If you will have a higher.

610

01:34:51.210 --> 01:34:52.230  
Frances Verhalen: Energy closer in.

611

01:34:53.460 --> 01:34:58.860  
Stafford Frrank: And, and to get your rate was a was another problem.

612

01:35:00.390 --> 01:35:06.990  
Stafford Frrank: You just take your your annual that admission emissions.

613

01:35:08.160 --> 01:35:11.730  
Stafford Frrank: that's reported and divided by the hourly rate.

614

01:35:13.770 --> 01:35:14.430  
Stafford Frrank: Which.

615

01:35:16.530 --> 01:35:18.990  
Stafford Frrank: And then you use that and rate.

616

01:35:20.460 --> 01:35:22.860

Stafford Frrank: And you put that into the model.

617

01:35:23.970 --> 01:35:45.090

Stafford Frrank: And my concern there was up facility could have an upset for 10 days that could kill 100 people and then run smoothly, the rest of the year and, at the end of the year.

618

01:35:46.140 --> 01:36:15.510

Stafford Frrank: It will it will show up in a short, like everything was fine, but your nails 10 days it released enough ethylene oxide to kill 100 people or however, have an effect on 100 people that will not show up so by you taken an annual rate, you should be taken, looking at a daily rate.

619

01:36:19.980 --> 01:36:20.430

Stafford Frrank: So.

620

01:36:21.540 --> 01:36:32.430

Stafford Frrank: i'm not gonna and I got one other thing I wanted to bring up and then i'm going to end my my conversation but.

621

01:36:33.780 --> 01:36:35.670

Stafford Frrank: The in the next steps.

622

01:36:36.720 --> 01:36:38.070

Stafford Frrank: would say so all.

623

01:36:41.100 --> 01:36:45.930

Stafford Frrank: They were talking about they wanted to do testing on.

624

01:36:47.070 --> 01:36:51.450

Stafford Frrank: They want to evaluate the testing on the vapor control unit.

625

01:36:53.280 --> 01:36:53.910

Frances Verhalen: For us.

626

01:36:54.360 --> 01:36:56.550

Frances Verhalen: we're going to be doing more testing on it.

627

01:36:59.340 --> 01:37:14.940

Stafford Frrank: has some that already been proven head i'm trying to recall which one, I think it wasn't in that shale technology facility is already using it, that that technology, right now, if.

628

01:37:15.090 --> 01:37:18.060

Frances Verhalen: It could be an air believe it was Shell and.

629

01:37:18.600 --> 01:37:19.620

Stafford Frrank: And so, why.

630

01:37:19.620 --> 01:37:21.570

Frances Verhalen: would try to need to test.

631

01:37:21.570 --> 01:37:22.710

Stafford Frrank: That over again.

632

01:37:23.610 --> 01:37:44.130

Frances Verhalen: They need to what they're doing is running tests, so that they can see if they can make their process more efficient than it currently is they're currently removing I believe it's around 99.9% of the ethylene oxide, through this particular.

633

01:37:45.840 --> 01:37:53.970

Frances Verhalen: process control unit they're trying to see if they can get to 99.99 or whatever get better.

634

01:37:54.510 --> 01:38:05.580

Frances Verhalen: So they're they're running additional parameters to see if they can change and tweak their procedure to remove more ethylene oxide from.

635

01:38:06.210 --> 01:38:22.320

Frances Verhalen: of their control process and they're trying to make it better they've got it to one one stage but Are there things are there ways that they can change their process.

636

01:38:23.670 --> 01:38:32.100

Frances Verhalen: To get even more efficient and destroy more ethylene oxide from that particular process unit.

637

01:38:32.610 --> 01:38:35.610

Stafford Frrank: Well, if they would have given them a deadline.

638

01:38:37.020 --> 01:38:38.880

Frances Verhalen: We have not, we have not.

639

01:38:40.380 --> 01:38:44.790

Stafford Frrank: You need to set a deadline for them to have that finish because.

640

01:38:45.000 --> 01:38:45.240

We.

641

01:38:46.380 --> 01:38:53.400

Frances Verhalen: Talk about that we can talk with SAS all about that So yes, we will do that Sir, thank you.

642

01:38:54.420 --> 01:39:08.340

Stafford Frrank: What about fence line monitoring it's it's it's done EPA region three is doing it and in South charleston and institute West virginian.

643

01:39:10.020 --> 01:39:10.410

Stafford Frrank: they're.

644

01:39:10.830 --> 01:39:12.450

Frances Verhalen: Both voluntarily done.

645

01:39:13.350 --> 01:39:21.720

Frances Verhalen: The States may be requiring it EPA does not have a requirement for fence line monitoring for ethylene oxide.

646

01:39:22.380 --> 01:39:23.010

Frances Verhalen: But there are.

647

01:39:23.100 --> 01:39:25.530

Ms. Peters: Other why you why not.

648

01:39:29.130 --> 01:39:31.500

Frances Verhalen: it's not part of our rules name.

649

01:39:34.470 --> 01:39:35.010

Frances Verhalen: um.

650

01:39:35.670 --> 01:39:36.720  
Ms. Peters: You have to have I.

651  
01:39:36.750 --> 01:39:41.610  
Frances Verhalen: will ask for a lifeline here Mike kerber.

652  
01:39:42.900 --> 01:39:43.380  
Frances Verhalen: Would.

653  
01:39:43.740 --> 01:39:45.900  
Frances Verhalen: May I ask for like one year on this one.

654  
01:39:47.130 --> 01:39:47.730  
Mike Koerber: You may.

655  
01:39:47.820 --> 01:39:49.200  
Frances Verhalen: I am I correct you.

656  
01:39:49.830 --> 01:39:55.260  
Mike Koerber: Have a deputy director and EPA Sarah office fran is correct that the current rule does not.

657  
01:39:55.710 --> 01:40:12.510  
Mike Koerber: require fence line monitoring, but we are revisiting rules for a number of source categories that emit ethylene oxide and as part of that review we will consider whether those requirements need to be changed, and whether there is a need for fence line monitoring so that'll be something.

658  
01:40:13.170 --> 01:40:16.140  
Mike Koerber: Pretty seriously over the next several years, as we review these rules.

659  
01:40:17.190 --> 01:40:20.190  
Ms. Peters: Okay, but may I respond to what you just said, sir.

660  
01:40:21.150 --> 01:40:28.980  
Ms. Peters: When they just told us that the other monitors that were placed in fence line Community it was done voluntarily.

661  
01:40:29.910 --> 01:40:42.360

Ms. Peters: That shows the difference between what's happening there and what's happening here what they're doing shells concerned what they're doing here says, I don't give a damn that's how we feel.

662

01:40:42.840 --> 01:40:49.410

Ms. Peters: So you mean to tell me you can't set up monitors right there and mossville because, and it makes don't a southpaw.

663

01:40:51.240 --> 01:40:52.410

Ms. Peters: Something in the past.

664

01:40:55.770 --> 01:41:10.470

Ms. Peters: And you have to go through all this red tape and people are dying I don't believe we're having conversations like this, I don't understand it, you know it's reprehensible we're all human beings here.

665

01:41:11.790 --> 01:41:19.770

Ms. Peters: And we're talking about saving people's lives and yet you call these meetings and be as just talk, talk, talk, talk.

666

01:41:21.840 --> 01:41:22.200

Ms. Peters: promo.

667

01:41:24.690 --> 01:41:25.080

Ms. Peters: What do you.

668

01:41:25.410 --> 01:41:25.980

Stafford Frrank: Do for.

669

01:41:28.620 --> 01:41:30.420

Frances Verhalen: The team is different okay.

670

01:41:31.440 --> 01:41:36.930

Debora Browning: Thank you, Mr Frank i'm Jeanette is Sir another hand raised we'd like to go to.

671

01:41:37.170 --> 01:41:47.700

Janetta Coats: Yes, we would like to move forward and go to business lowest malveaux to Mrs malveaux if you could star six and unmute your phone.

672

01:41:48.960 --> 01:41:50.070

Janetta Coats: We would appreciate it.



673

01:41:54.840 --> 01:42:01.170

Lois Malvo: Hello everyone, my name is Lloyd malveaux I live in Lake Charles Louisiana.

674

01:42:03.030 --> 01:42:15.210

Lois Malvo: I was born and raised in like tell so we began, and I just want to give my deepest concern and compassion to the Community amongst feel.

675

01:42:17.940 --> 01:42:30.060

Lois Malvo: Sorry, communicating with them in 1981 Deborah marriage was the one that was trying all she could to get help for that community.

676

01:42:31.110 --> 01:42:40.980

Lois Malvo: And it and that's been a long time ago, and people are still suffering and I hate to see what happened to them.

677

01:42:41.730 --> 01:42:57.360

Lois Malvo: They lost it they lost quite a big community of very black historical Community industry came in and and just bullet they weigh in on this Community like they do in many communities today.

678

01:42:58.560 --> 01:42:59.550

Lois Malvo: All over the world.

679

01:43:00.720 --> 01:43:03.240

Lois Malvo: But to know God says this.

680

01:43:04.350 --> 01:43:09.900

Lois Malvo: He says that he was going to allow a man to do to destroy himself.

681

01:43:11.340 --> 01:43:22.080

Lois Malvo: And this to me, is a destruction from all of Pittsburgh fail in EPA and all the rest of y'all y'all better get right because you're going to have to please God one day.

682

01:43:23.310 --> 01:43:25.350

Lois Malvo: He understand what's going on here.

683

01:43:26.370 --> 01:43:28.830

Lois Malvo: You are living in the last days baby.

684

01:43:29.880 --> 01:43:38.070

Lois Malvo: it's nothing to play with we can put money before God is think we're going to make it to heaven not doing the wrong thing.

685

01:43:39.330 --> 01:43:44.010

Lois Malvo: Now I have a lot of people I know work in the plant industry.

686

01:43:45.210 --> 01:43:48.630

Lois Malvo: And i'll feel for them, because they try to make a living.

687

01:43:49.860 --> 01:43:54.120

Lois Malvo: But they've been exposed to some of the words cancer, causing chemicals.

688

01:43:54.660 --> 01:43:55.500

In the world.

689

01:43:56.970 --> 01:43:58.680

Lois Malvo: And coming a time.

690

01:43:59.220 --> 01:44:05.760

Lois Malvo: Where we're done i'm happy to stand on the wrong side or the right, this is now we better get it right.

691

01:44:06.780 --> 01:44:07.980

Lois Malvo: Industry, not all.

692

01:44:09.000 --> 01:44:10.230

Lois Malvo: don't care about nobody.

693

01:44:11.550 --> 01:44:13.110

Lois Malvo: They don't even care about themselves.

694

01:44:14.160 --> 01:44:32.430

Lois Malvo: This thing is killing and destroying this universe Mother Earth and God is not pleased with it not at all i'll feel a little people who live in is this police industry that takes over the property is just don't give a damn.

695

01:44:33.510 --> 01:44:39.540

Lois Malvo: it's not fair it's not right, we talking about industry who is killing people.

696

01:44:40.680 --> 01:44:51.120

Lois Malvo: let's get it right EPA stop playing around kind of find a way with god's energy and cancer, causing chemicals in let these people get off with murder.

697

01:44:52.800 --> 01:44:55.950

Lois Malvo: To get off scot free killing our people over this world.

698

01:44:57.360 --> 01:44:59.010

Lois Malvo: We better come together and wake up.

699

01:45:01.110 --> 01:45:04.350

Lois Malvo: So we're going to meet Jesus one day don't forget that.

700

01:45:08.430 --> 01:45:12.990

Debora Browning: Thank you for your comments and we really feel your heartfelt.

701

01:45:13.530 --> 01:45:18.000

Lois Malvo: envy people in MMA really just stuff will get.

702

01:45:19.440 --> 01:45:27.240

Lois Malvo: They need money to get the hell out of there, and you need to do all you can like you did the white people totally euro.

703

01:45:28.440 --> 01:45:29.520

Lois Malvo: To them right to.

704

01:45:32.490 --> 01:45:33.030

Ms. Peters: A man.

705

01:45:33.060 --> 01:45:33.900

Lois Malvo: that's a man.

706

01:45:34.710 --> 01:45:36.720

Debora Browning: Thank you, Louis thank Thank you.

707

01:45:38.880 --> 01:45:43.770

Debora Browning: Gloria at this time i'd like to check in with you to see if we have any direct messaging.

708

01:45:45.900 --> 01:45:47.820

Gloria Vaughn: No, I do not have a direct message.

709

01:45:49.650 --> 01:45:50.400

Debora Browning: Thank you.

710

01:45:52.500 --> 01:45:54.240

Debora Browning: fran our next question.

711

01:45:55.680 --> 01:45:58.860

Debora Browning: Is from hang on, let me get back to it.

712

01:46:01.350 --> 01:46:20.880

Debora Browning: Scott eustace and he'd like to know what fines have been levied against sasol to economically and synthesize hiring workers and spending money to control emissions and then how many jobs can be created if the laws were enforced and admissions lower to safe levels.

713

01:46:23.940 --> 01:46:35.520

Frances Verhalen: Oh we're not prepared this evening to talk about anything dealing with enforcement I don't have anybody from the enforcement group that could address either one of those questions on the line.

714

01:46:36.480 --> 01:46:49.890

Frances Verhalen: This this meeting is really more focused on i'm just providing the information about ethylene oxide and the risks associated with that, so I don't have any of that information Deborah.

715

01:46:53.520 --> 01:47:02.400

Debora Browning: Thank you fran our next question comes from Joel Davidson again he's a lake Charles resident, which is five miles from sasol.

716

01:47:03.180 --> 01:47:15.060

Debora Browning: feedback to know if sasol is following its permits and in fastballs case emitting well below what they are allowed to, then what are you telling us as the local community.

717

01:47:17.370 --> 01:47:17.880

Frances Verhalen: um.

718

01:47:20.670 --> 01:47:35.010

Frances Verhalen: Again I don't have any permit information, but what we are trying to relay is that, based on the emissions inventory reported by sasol to the Louisiana department of environmental quality.

719

01:47:35.760 --> 01:47:51.810

Frances Verhalen: And our modeling for risk that we have identified a potential risk for the this area from ethylene oxide, it is a carcinogen, and we want to.

720

01:47:53.010 --> 01:48:09.660

Frances Verhalen: notify the area, the residents in the area that there is a concern that EPA has that the emissions of ethylene oxide could cause cancer, and that is what we are trying to relate this evening.

721

01:48:12.390 --> 01:48:12.750

Frances Verhalen: Deborah.

722

01:48:17.790 --> 01:48:27.000

Debora Browning: friend when you were just fine and explaining the graph slide on the changes and need to since 22,014 and the slide after.

723

01:48:27.390 --> 01:48:42.300

Debora Browning: Kimberly girl had a question about that she said, in other words the decrease the decrease that is portrayed on this graph did not happen, according to sasol own data it's ethylene oxide emissions have.

724

01:48:42.750 --> 01:48:53.370

Debora Browning: doubled since 2014 and 2020 the first bullet on this slide is in agra adequate and I believe you skip the non cancer hazard slide.

725

01:48:56.370 --> 01:49:02.910

Frances Verhalen: Let me start with the first um yes, the the slide that shows.

726

01:49:05.580 --> 01:49:10.770

Frances Verhalen: The ethylene oxide concentrations between 2014 and 2020.

727

01:49:12.180 --> 01:49:34.380

Frances Verhalen: We left the concentration for 2014 at the 12,000 number, because that is the number that we had available when we put together our national air toxic asset assessment back in 2014 and that's the number that we used for that model, so we kept it on the slide.

728

01:49:36.360 --> 01:49:58.080

Frances Verhalen: I did mention during our during my presentation that since 2014 sasol has come back and has provided additional information to ld Q and revised the concentration from 2014 and it did reduced significantly, so we will add.

729

01:49:59.970 --> 01:50:10.440

Frances Verhalen: I will make it a point to to add a chart in our question and answers that will post online to correct that table or to add another table.

730

01:50:11.580 --> 01:50:17.460

Frances Verhalen: For that, so thank you, with respect to the hazard index I did indicate what it.

731

01:50:20.430 --> 01:50:43.380

Frances Verhalen: Was is the hazard quotient of three specifically due to chlorine emissions it's identified as being associated with chlorine emissions and that that is an excess and we're we have notified sasol about that so we'll be working on looking at that, and that was from 2018.

732

01:50:44.790 --> 01:50:47.280

Frances Verhalen: That that particular concern.

733

01:50:50.160 --> 01:50:50.520

Frances Verhalen: debra.

734

01:50:52.110 --> 01:50:59.640

Debora Browning: And I just wanted to let everyone know it's 753 and our meeting desk at eight o'clock However, we are staying.

735

01:51:00.000 --> 01:51:06.570

Debora Browning: Longer because we want to make sure that we address all the questions, particularly the ones that have already popped up into the chat box.

736

01:51:06.810 --> 01:51:23.640

Debora Browning: So I did just want to do a quick time check with everybody and then after our Q amp a session sasol will be making a

presentation as well, so the next question fran will be coming from gem rock he lives from five miles from the successful plant.

737

01:51:24.330 --> 01:51:24.780

Frances Verhalen: There bro.

738

01:51:25.080 --> 01:51:36.900

Frances Verhalen: Yes, hang on just a minute listen I got some information back from ruben and we're going to for Mr Burley he had asked about the eight number eight people.

739

01:51:39.000 --> 01:51:46.440

Frances Verhalen: Were the eight people are with the 300 and a million risk and we're going to have to get back with him with some more information.

740

01:51:48.480 --> 01:51:57.840

Frances Verhalen: We have generalized information we don't have anything specific that gives us the exact location from the model, so we have to go back to the modeler.

741

01:51:58.200 --> 01:52:15.600

Frances Verhalen: And we'll have to it'll be in the underlying notes that we do not have here so we'll have to get information back from Mr burly, but we have done a little more research and we apologize, we can't get you an information it's an answer tonight, but will look into that.

742

01:52:17.730 --> 01:52:19.380

Frances Verhalen: Thank you and thank you ruben.

743

01:52:21.660 --> 01:52:30.840

Debora Browning: Thanks for thanks for even for providing that information for France, so the next question comes from Jim rocky's five miles from the vessel plant plant.

744

01:52:31.260 --> 01:52:40.620

Debora Browning: it's a comment, and then the question, so the comment is the Louisiana tumor registry produced by the lsc School of Public now.

745

01:52:41.490 --> 01:52:55.560

Debora Browning: tracks cancer in incidents in Louisiana and and and according to their analysis cancer incidence rates in kalamazoo parish are actually lower than many other areas of the state.

746

01:52:56.010 --> 01:52:58.320  
Debora Browning: Some with less industrial lies.

747  
01:52:58.380 --> 01:53:01.680  
Debora Browning: areas in our parish this data reflects.

748  
01:53:05.940 --> 01:53:19.320  
Debora Browning: And sasol has been producing or handling eat ethylene locks up for many decades in Kappa Kappa she parish wouldn't we have anticipated seeing those rights by now, according to this new risk data.

749  
01:53:25.980 --> 01:53:26.160  
Frances Verhalen: well.

750  
01:53:27.210 --> 01:53:30.660  
Frances Verhalen: Okay, I am not.

751  
01:53:32.100 --> 01:53:36.030  
Frances Verhalen: Someone who is well versed in evaluating.

752  
01:53:37.050 --> 01:53:45.690  
Frances Verhalen: The Louisiana tumor registry and that's going to be Louisiana Department of Health and we will relay the question to them.

753  
01:53:46.650 --> 01:54:05.670  
Frances Verhalen: In in general I don't know if we would actually see those rates and how they would be shown so i'm going to have to punt on that question, Mr rock and get you an answer in writing from the Louisiana Department of Health and I apologize that I can't.

754  
01:54:06.840 --> 01:54:11.970  
Frances Verhalen: I don't think we've got anybody from ld H on this evening, so I apologize for that.

755  
01:54:17.250 --> 01:54:17.610  
Frances Verhalen: pepper.

756  
01:54:19.020 --> 01:54:23.640  
Debora Browning: i'm fran i'd like to talk about to a question that miss Bennett asked her and her comment.

757  
01:54:23.850 --> 01:54:28.560



Debora Browning: And she asked her there was anything else that can be used in live ethylene oxide.

758

01:54:30.420 --> 01:54:33.270

Frances Verhalen: Yes, in some instances, there are.

759

01:54:34.680 --> 01:54:35.460

Frances Verhalen: However.

760

01:54:38.040 --> 01:54:50.340

Frances Verhalen: sasol would have to I can I can send the question to sasol and ask them if they've got you know, an alternative for some of their.

761

01:54:51.870 --> 01:54:57.930

Frances Verhalen: production processes that they could use instead of ethylene oxide.

762

01:54:59.970 --> 01:55:10.530

Frances Verhalen: There are some that it's the it's the driver it's the chemical that makes the other chemicals, so there are some processes that you cannot have substitutes for.

763

01:55:11.670 --> 01:55:15.060

Frances Verhalen: For sterilization if you have.

764

01:55:18.450 --> 01:55:23.370

Frances Verhalen: materials that can't get wet or can't get heated, so you can't use.

765

01:55:24.480 --> 01:55:46.320

Frances Verhalen: like an autoclave or you can't use some sort of liquid sterilization substance, then you use the ethylene oxide in a chamber and there's just no substitute for that, yet the different industries are looking at alternatives, but right now.

766

01:55:47.910 --> 01:55:54.600

Frances Verhalen: They are not finding some for some applications in some applications i've already changed over.

767

01:55:55.710 --> 01:55:58.410

Frances Verhalen: to other methods that are.

768

01:55:59.940 --> 01:56:04.680

Frances Verhalen: That have the same properties as ethylene oxide so something.

769

01:56:05.790 --> 01:56:10.050

Debora Browning: Okay, great hey fran in relation in relation.

770

01:56:11.550 --> 01:56:24.720

Debora Browning: With Jim rock there was a question he had about the Louisiana tumor registry, I did get a note in the chat box that we have several people from the Louisiana tumor registry that would like to be able to help make a response if you'd like.

771

01:56:25.230 --> 01:56:26.880

Frances Verhalen: cool I would love to have them help.

772

01:56:27.420 --> 01:56:28.080

Debora Browning: I so.

773

01:56:28.380 --> 01:56:32.310

Debora Browning: easily roaring, in fact, several I don't know if we would actually want to.

774

01:56:32.520 --> 01:56:33.180

Debora Browning: Users so.

775

01:56:33.330 --> 01:56:36.270

Peggy - Maryland 2019: Excuse me, but i've been having a question i've been having my hand.

776

01:56:36.270 --> 01:56:38.400

Peggy - Maryland 2019: raised for some time.

777

01:56:38.730 --> 01:56:39.600

Janetta Coats: Is that Peggy.

778

01:56:39.840 --> 01:56:40.680

Peggy - Maryland 2019: This is Peggy.

779

01:56:41.070 --> 01:56:41.850

Janetta Coats: Okay thinking.

780

01:56:42.690 --> 01:56:46.320

Debora Browning: Okay Peggy yes, if you don't mind, let me.

781

01:56:46.860 --> 01:56:53.310

Debora Browning: Let the Louisiana tumor registry make a response first and then we'll address your question.

782

01:56:59.280 --> 01:57:01.770

Lauren Maniscalco: hi this is lauren maniscalco can you hear me.

783

01:57:02.700 --> 01:57:03.090

Yes.

784

01:57:04.200 --> 01:57:06.570

Lauren Maniscalco: Okay i'm the liaison for the Louisiana.

785

01:57:06.570 --> 01:57:07.530

Lauren Maniscalco: tumor registry.

786

01:57:07.920 --> 01:57:27.150

Lauren Maniscalco: And I was just going to respond to the question about the 2013 and 2017 data and wondering, it would reflect the data from the sample emissions or whether or not you might see can increase cancer incidence rates in our data from.

787

01:57:28.230 --> 01:57:29.520

Lauren Maniscalco: Emissions from the plant.

788

01:57:30.960 --> 01:57:35.880

Lauren Maniscalco: Based on the sasol website, it looks like they began their.

789

01:57:38.250 --> 01:57:41.490

Lauren Maniscalco: In 2001 I believe is Can someone.

790

01:57:43.170 --> 01:57:44.310

Lauren Maniscalco: verify that.

791

01:57:49.170 --> 01:57:55.830

Lauren Maniscalco: So anyway, that the point i'm trying to get across some latency with cancer, and that would be.

792

01:57:57.600 --> 01:58:15.390

Lauren Maniscalco: Data from 2013 2017 about 12 years post 2001 to 16 years so that may not be enough time to actually see the effects of pollution in cancer, because.

793

01:58:16.890 --> 01:58:23.010

Lauren Maniscalco: Many studies show that there's multiple decades, or even 30 years or longer might be.

794

01:58:24.390 --> 01:58:29.820

Lauren Maniscalco: necessary before you might see an increased rate in.

795

01:58:30.870 --> 01:58:36.360

Lauren Maniscalco: In cancer registry data I don't know Dr straight is, why do you want to piggyback on that.

796

01:58:37.350 --> 01:58:49.620

Susanne Straif-Bourgeois: yeah thanks everyone for having me here as well, i'm Dr Susan spray push one i'm also working with the lucien or two more righteous three i'm an epidemiologist.

797

01:58:50.880 --> 01:58:56.490

Susanne Straif-Bourgeois: Our data are really cans of data, so they are really based on diagnosis.

798

01:58:57.420 --> 01:59:12.660

Susanne Straif-Bourgeois: If someone as a lucien our resident is diagnosed with any type of pain, so instead of outstayed they are then we for the lucien or tomorrow has three getting this data So these are really diagnosis data.

799

01:59:13.080 --> 01:59:16.980

Susanne Straif-Bourgeois: And I just wanted to make you all aware of that, and you probably know that.

800

01:59:17.340 --> 01:59:34.230

Susanne Straif-Bourgeois: This is very different data, then when EPA is talking about risk so ours are diagnosis someone who actually was diagnosed with this different types of cancer versus someone talking about the risk.

801

01:59:34.680 --> 01:59:52.590

Susanne Straif-Bourgeois: And the other thing is the blob lung cancer is really an umbrella term so it has more than 200 different kinds of types

and, as you all know, a lot of these cancers have very different risk factors actually a lot of different risk factors.

802

01:59:52.950 --> 01:59:53.490

Ms. Peters: For your.

803

01:59:53.610 --> 02:00:03.210

Susanne Straif-Bourgeois: it's very difficult to look at that smoking is probably the biggest risk factor for many risk factors, but by saying that.

804

02:00:03.570 --> 02:00:14.490

Susanne Straif-Bourgeois: The big limitation, we have with our tumor registry data we have again we have diagnosis, we have no idea about anyone where they live.

805

02:00:15.000 --> 02:00:29.340

Susanne Straif-Bourgeois: What they were exposed to and other things like that so only as lauren said, these are incidents data, these are showing the number of people who were diagnosed with a certain type of cancer.

806

02:00:31.380 --> 02:00:32.040

Mrs. Bennett: Yes, ma'am.

807

02:00:33.360 --> 02:00:46.980

Mrs. Bennett: But they say that they know that I don't know how many years out of every million that good counsel now how, how do you determine who they are that gets get counsel.

808

02:00:48.270 --> 02:00:59.760

Mrs. Bennett: That million, and even if they do know what do they do for the people who that could have caused that that that cancer could have been caused by that particular.

809

02:01:01.710 --> 02:01:11.070

Mrs. Bennett: Cancer what happened to the people they just hold on to their sickness and just forget about the fact that the guys regards to who gave it to.

810

02:01:15.750 --> 02:01:36.480

Peggy - Maryland 2019: I think the answer to that is answered by Miss Toronto, and the comments section she says that the Louisiana tumor registry do not report measures do not measure pollution exposure, so I think it's probably very good information for us to have as a Community, but.

811

02:01:37.500 --> 02:01:45.330

Peggy - Maryland 2019: they're Nice and maybe maybe somebody can come up with some way to be able to tie that to pollution exposure I guess that's what Kimberly is saying.

812

02:01:46.350 --> 02:01:50.790

Mrs. Bennett: we're saying is that you know, because you don't want.

813

02:02:00.540 --> 02:02:07.470

Mrs. Bennett: To not not the tip you just a statement that mean made so just saying.

814

02:02:10.110 --> 02:02:23.430

Debora Browning: that's correct it's just a statement that's been made by another participant, and so what we'll do is, we will include in our Q and a's we will research this information, a little bit more in depth.

815

02:02:23.430 --> 02:02:26.130

Debora Browning: And included in our Q and a's that are going to be posted on.

816

02:02:26.490 --> 02:02:27.360

Debora Browning: The website.

817

02:02:28.530 --> 02:02:33.300

Mrs. Bennett: Or we could actually be so we can actually be much more than what.

818

02:02:33.720 --> 02:02:42.090

Mrs. Bennett: The statistics say from from just a random statement that's been made the offer paper.

819

02:02:50.250 --> 02:02:53.070

Mrs. Bennett: You gave the information you gave me information about how many.

820

02:02:53.070 --> 02:02:53.490

People.

821

02:02:55.530 --> 02:02:56.430

are contracted.

822

02:02:59.700 --> 02:03:00.720

Take a shot at this.

823

02:03:02.880 --> 02:03:09.570

Frances Verhalen: Let me take a shot at it let and let me see if i've got your correction your question correctly.

824

02:03:10.380 --> 02:03:11.430

Mrs. Bennett: Okay, when I hear you.

825

02:03:11.490 --> 02:03:17.610

Frances Verhalen: asking is that the the tumor registry.

826

02:03:19.230 --> 02:03:20.670

Frances Verhalen: can only handle.

827

02:03:21.990 --> 02:03:39.660

Frances Verhalen: gets their information from diagnoses and that is one set of information EPA has developed a risk number of 300 and a million, that is, that is a potential number.

828

02:03:40.200 --> 02:03:58.560

Frances Verhalen: What the registry is looking at is the actual diagnosis of cancer that has occurred, that they have received the information on so it's one is EPA number is a calculated number that.

829

02:04:00.060 --> 02:04:09.510

Frances Verhalen: We feel is based on our models is sound, but we have to look at.

830

02:04:11.280 --> 02:04:26.070

Frances Verhalen: standardizing how we do that because we're calculating it on the other hand, the tumor registry if i've understood correctly, they get their information from actual diagnoses.

831

02:04:26.460 --> 02:04:43.200

Frances Verhalen: From physicians or hospitals or the medical community, and that is what they are actually counting so there's going to be a difference in the number, so what question did you actually have on that.

832

02:04:44.040 --> 02:04:49.560

Mrs. Bennett: My question, Michael my question is, you know that people.

833

02:04:51.090 --> 02:04:51.990

Mrs. Bennett: Get cancer.

834

02:04:53.130 --> 02:05:05.670

Mrs. Bennett: From this chemical you know Okay, the ones that get cancer from this chemical who take care of take care of them, or they have to bear that Council alone.

835

02:05:08.250 --> 02:05:22.020

Frances Verhalen: um as as with most cancers cancers don't show up rapidly, and there are many causative factors one factor is going to be ethylene oxide um.

836

02:05:25.080 --> 02:05:27.090

Frances Verhalen: There are so many other things.

837

02:05:28.410 --> 02:05:48.570

Frances Verhalen: It can be benzene, it can be smoking, there are other chemicals that can cause cancer so there's a lot of different things that may cause it and know it may be that there is no one thing that caused it might be whole bunch of it could be one thing we don't know that, but the period.

838

02:05:50.400 --> 02:05:54.780

Frances Verhalen: of exposure from when you were exposed to actually when the.

839

02:05:54.870 --> 02:06:02.040

Frances Verhalen: Cancer develops, maybe years, maybe decades and we don't know where it comes from, so the the.

840

02:06:03.840 --> 02:06:09.960

Frances Verhalen: burden of dealing with the cancer falls on the individual, yes, it does and you're right.

841

02:06:11.250 --> 02:06:16.020

Mrs. Bennett: It does fall on but yet, but yet as a.

842

02:06:17.460 --> 02:06:37.590

Mrs. Bennett: group that's representing can put a number on how many how many gets it out of a million, but the only you may have a status or the goal by the very tail you have that many people get it, or even more gets it, I mean you can tell from my area.



843

02:06:38.670 --> 02:06:49.260

Mrs. Bennett: That didn't have this Kim because we didn't keep accurate records on how many people had counseling to this came in now, when this came in this had to.

844

02:06:50.310 --> 02:07:03.510

Mrs. Bennett: Add to whatever counter that was there, so so you can relate it to this particular chemical because it came in and the council's increase all the deaths from county increase we don't keep a record of it.

845

02:07:09.390 --> 02:07:14.190

Frances Verhalen: And when we develop our models, we are looking at a very.

846

02:07:15.300 --> 02:07:17.790

Frances Verhalen: Conservative model that says that.

847

02:07:18.840 --> 02:07:32.880

Frances Verhalen: In order to get the cancer it at a rate of 300 per million you're going to be exposed every day to the same high concentration every day for 24 hours a day.

848

02:07:33.300 --> 02:07:51.540

Frances Verhalen: For 70 years you're going to be standing in the same spot breathing in the same amount because we're trying to be very conservative, so it may be less it may be more but that's a pretty good number, based on the information that we have at this time.

849

02:07:52.980 --> 02:08:09.450

Mrs. Bennett: Yes, for you you're not considering the fact that even if you're not standing in your living in it, because the follicles from particles from the chemical land in a roof, and not rules, but in addicts and people homes, you know.

850

02:08:10.140 --> 02:08:10.710

Mrs. Bennett: And if.

851

02:08:10.890 --> 02:08:14.520

Mrs. Bennett: They live in in that area with this chemical is coming from.

852

02:08:15.000 --> 02:08:22.680

Mrs. Bennett: You know, we don't just leave this area and go to other areas right away, it does what it has to do here first before it goes anywhere else.

853

02:08:23.070 --> 02:08:38.130

Mrs. Bennett: But I don't even think you take that, in consideration, but, but yet you can add you can accurate accuracy put a number on how many for me, but you don't know how many from me, but yes, you can put a number on it, it don't line up.

854

02:08:38.910 --> 02:08:41.880

Mrs. Bennett: Sir in denial and then I will help you.

855

02:08:42.900 --> 02:08:54.630

Debora Browning: This is the moderator hey I wanted to just let you know that a comment has been added by the Louisiana tumor registry in the chat box, that it does not collect the exposure data.

856

02:08:54.960 --> 02:09:04.950

Debora Browning: Additionally, the Louisiana tumor registry publishes cancer incidence rates by census tract to allow one to look at the cancer incidence data.

857

02:09:05.220 --> 02:09:17.760

Debora Browning: below the parish level, and then a link to the website has also been provided by Suzanne, who is also with the Louisiana tumor registry for our essence of time we have several other.

858

02:09:17.790 --> 02:09:18.480

Ms. Peters: questions.

859

02:09:18.510 --> 02:09:36.480

Debora Browning: We want to get to, so I would like to be able to thank you for your question, Sir, as well as thanking Laura and Suzanne from the Louisiana tumor registry for providing comments and before I move on to the additional questions that have come into the chat box i'd like.

860

02:09:36.480 --> 02:09:37.740

Mrs. Bennett: To go back to Peggy.

861

02:09:37.920 --> 02:09:49.020

Debora Browning: To make sure that her question she got to ask her questions and she had her hand race in if her hand if your question was asked if it got responded so picky if you'd like to unmute your.

862

02:09:51.180 --> 02:09:53.100

Debora Browning: phone by pressing star six.

863

02:09:54.510 --> 02:09:57.030

Peggy - Maryland 2019: Okay, well, I My questions are part.

864

02:09:58.620 --> 02:10:01.350

Peggy - Maryland 2019: comment I grew up.

865

02:10:01.380 --> 02:10:02.400

Peggy - Maryland 2019: In mossville.

866

02:10:03.030 --> 02:10:15.630

Peggy - Maryland 2019: And I would just like to you know I got the impression that maybe some of the people who were speaking from EPA perhaps may or may not have been to mossville or westlake.

867

02:10:16.830 --> 02:10:25.740

Peggy - Maryland 2019: But to give you an idea, the House that I grew up in is probably I would estimate an eighth of a mile from the entrance successful.

868

02:10:26.400 --> 02:10:46.560

Peggy - Maryland 2019: So you're not talking about I think there was a gentleman said that he was five miles away from the sasol facility, and then we talked about the kilometers of 50 kilometers and so forth, and then we talked about the eight out of 250 3000 words or two or 300,000.

869

02:10:48.210 --> 02:10:56.670

Peggy - Maryland 2019: that the entire lake Charles area, probably, you know if you expand it out to lake Charles lake Charles doesn't even have 253,000 people in it.

870

02:10:57.540 --> 02:11:10.260

Peggy - Maryland 2019: And so just pointing those parameters out to just let you know that these that this really is a fence line community in that sense, all really is the next door neighbor.

871

02:11:10.770 --> 02:11:30.600

Peggy - Maryland 2019: to people who are living in mossville you I when I walked to school, I would probably have passed well no not probably I would have passed the door way to sasol that's how close sasol is to the Moscow community.

872

02:11:32.430 --> 02:11:34.500

Peggy - Maryland 2019: As far as the.

873

02:11:35.610 --> 02:11:48.120

Peggy - Maryland 2019: you're doing a rulemaking to deal more adequately with fence line communities and emissions affecting them well, I would just like to point out that.

874

02:11:48.690 --> 02:12:05.760

Peggy - Maryland 2019: With super fun law, which is a completely different law circular there's room for emergency actions emergency removal actions in which, if there's a spill, you know that that is quickly picked up to make sure that.

875

02:12:06.870 --> 02:12:18.150

Peggy - Maryland 2019: that people are not harmed, and I think in this particular situation, it would, it would be good if EPA could consider something of an interim nature, maybe an interim rulemaking.

876

02:12:18.630 --> 02:12:30.030

Peggy - Maryland 2019: That would help the people who are still living in mossville get out of harm's way that's what happens when you have any emergency situation and.

877

02:12:31.980 --> 02:12:43.140

Peggy - Maryland 2019: And as far as the ethylene oxide that's occurring in the background and we're not really sure where it's coming from so forth.

878

02:12:44.820 --> 02:12:51.750

Peggy - Maryland 2019: i'm just wondering if that shouldn't be taken in consideration when these.

879

02:12:52.860 --> 02:12:59.760

Peggy - Maryland 2019: When these plants are doing their estimates or take are taking their during their testing.

880

02:13:00.270 --> 02:13:10.140

Peggy - Maryland 2019: Because just because it's in the background and it's not coming from their stacks or their burners doesn't mean it doesn't exist and so maybe.

881

02:13:10.860 --> 02:13:20.970

Peggy - Maryland 2019: what's occurring in the background, should be still taken in consideration because it's adding to that what's occurring in the background, if you follow my point so.

882

02:13:21.660 --> 02:13:35.010

Peggy - Maryland 2019: That maybe shouldn't be an excuse for saying well okay taking in consideration what's happening in the background that there's definitely oxide in the background, so therefore when you do your testing you don't have to consider that part.

883

02:13:35.580 --> 02:13:47.490

Peggy - Maryland 2019: Because you know we don't know where it's coming from, but maybe maybe it should be taken in consideration because it's impacting people, it still impacts people.

884

02:13:48.180 --> 02:14:06.060

Peggy - Maryland 2019: In the Community and so maybe whatever permit limit that you're setting for these for the industry, you should say well you know this is occurring in the background, so you may not be able to admit the Minutes much and so those are the cabinets, I wanted to make.

885

02:14:07.260 --> 02:14:16.770

Peggy - Maryland 2019: That eight out of 253 i'm not sure what where that question comes from I don't know if it was meant to make it seem like it was a small number.

886

02:14:17.850 --> 02:14:27.840

Peggy - Maryland 2019: But we don't have 253,000 in the entire lake Charles area so and mossville certainly doesn't even come close to 253,000.

887

02:14:29.610 --> 02:14:32.490

Debora Browning: Thank you Peggy for your comments, so we appreciate them.

888

02:14:33.330 --> 02:14:37.380

Peggy - Maryland 2019: I mean, is there any possibility that you can consider an interim rule.

889

02:14:38.160 --> 02:14:45.030

Peggy - Maryland 2019: That will take care of the emergency situations that's taking place at mossville as well as.

890

02:14:46.620 --> 02:14:49.830

Peggy - Maryland 2019: Trying to give some consideration to having.

891

02:14:49.860 --> 02:14:52.290

Peggy - Maryland 2019: Industry recognize what's already in the.

892

02:14:52.290 --> 02:14:52.980

background.

893

02:14:54.450 --> 02:14:56.640

Debora Browning: fran would you like to provide a comment on that.

894

02:14:57.180 --> 02:14:58.500

Frances Verhalen: Sure um.

895

02:14:59.580 --> 02:15:09.150

Frances Verhalen: The emergency rooms, we can look into that and I do believe that for certain situations that we have looked into that in the past.

896

02:15:10.380 --> 02:15:13.800

Frances Verhalen: At this time, I do not believe.

897

02:15:14.160 --> 02:15:41.040

Frances Verhalen: The ethylene oxide emissions would fall under an emergency rule of this case of this nature, because those rules are typically reserved for acute situations and the ethylene oxide emissions would be part of a chronic situation, the we would have to look into that a little bit differently.

898

02:15:43.080 --> 02:15:55.080

Frances Verhalen: To see if there's actually something there but we'll take it back, and I will pass that information along to the management to see if there is an opportunity to.

899

02:15:56.700 --> 02:16:05.370

Frances Verhalen: move forward with that in some way Peggy but we'll take that back there was a second part, to the question Deborah I don't remember what it was or Peggy.

900

02:16:05.400 --> 02:16:08.400

Ms. Peters: You had a second one about taking into consideration.

901

02:16:08.760 --> 02:16:11.700

Peggy - Maryland 2019: The background when they are doing the testing.

902

02:16:12.390 --> 02:16:29.790

Frances Verhalen: Okay, taking into consideration the background when doing testing, yes, and you are correct that the background, regardless of where the source is still may contribute and does contribute to ethylene oxide concentrations that may be considered.

903

02:16:31.290 --> 02:16:46.920

Frances Verhalen: Less protective of human health and those should be taken into consideration, I don't know that in developing the permitted allowance, whether the way the rules are written.

904

02:16:48.390 --> 02:17:04.230

Frances Verhalen: indicate that that would be a criteria for determining the upper limit of the permit, but we can look into that also for you, I just don't know that much about the the specific permit worlds and.

905

02:17:05.070 --> 02:17:11.940

Frances Verhalen: That was not something that we were going to get into tonight, so I don't have anybody in particular that we're going to tap on that so keep.

906

02:17:12.210 --> 02:17:13.140

Peggy - Maryland 2019: keeping in mind that.

907

02:17:14.670 --> 02:17:16.110

Ms. Peters: May I ask a question.

908

02:17:16.440 --> 02:17:21.810

Peggy - Maryland 2019: keeping in mind that EPA is part of EPA mission is to protect human health.

909

02:17:23.310 --> 02:17:26.550

Frances Verhalen: Yes, Sir, yes ma'am we are and and we'll look into that.

910

02:17:28.440 --> 02:17:28.740

Frances Verhalen: May.

911

02:17:29.010 --> 02:17:30.300

Ms. Peters: be forgiven second.

912

02:17:30.690 --> 02:17:33.180

Debora Browning: Miss painters, if you don't mind i'm.

913

02:17:34.770 --> 02:17:45.780

Debora Browning: going to come back to you, but um I would just want to do a quick check, because we have a couple other questions as well, and we want to make sure that everybody has an opportunity to make up.

914

02:17:49.470 --> 02:18:01.680

Janetta Coats: Deborah this is genetic, thank you for that I have checked for phone calls, we do not have anyone on the phone that desires to speak, but we do have individually, we do have a individual.

915

02:18:02.820 --> 02:18:12.150

Janetta Coats: Their name is not listed So whoever the person is that has the environmental justice local sign if you would start.

916

02:18:13.800 --> 02:18:14.850

Environmental Justice Health Alliance: Here sorry.

917

02:18:15.750 --> 02:18:16.320

Pardon me.

918

02:18:17.400 --> 02:18:19.500

Environmental Justice Health Alliance: Oh, I would like to just find my question.

919

02:18:21.960 --> 02:18:27.720

Janetta Coats: Okay whomever that is you're fading out you have some noise in the background, and we can barely hear.

920

02:18:27.900 --> 02:18:30.330

Gloria Vaughn: Question right to defer to the theaters.

921

02:18:31.680 --> 02:18:35.460

Janetta Coats: Okay whomever that was would like to defer to Mr Peters.

922

02:18:35.880 --> 02:18:39.120

Janetta Coats: Yes, okay Okay, thank you.

923

02:18:40.500 --> 02:18:43.440

Debora Browning: Okay, Mrs Peters if you'd like to go ahead and speak now.



924

02:18:44.790 --> 02:18:47.880

Ms. Peters: Oh, thank you, I just want to respond to what.

925

02:18:48.930 --> 02:18:50.340

Ms. Peters: The lady just said to.

926

02:18:51.360 --> 02:18:51.990

Ms. Peters: Miss Peggy.

927

02:18:53.040 --> 02:18:53.550

Ms. Peters: Anthony.

928

02:18:54.870 --> 02:19:08.490

Ms. Peters: Any suggestions suggested that the crisis that we're experiencing that legally of daily in Los feel it definitely meets the criteria to have that procedure done.

929

02:19:08.820 --> 02:19:14.760

Ms. Peters: And the lady who responded to her say she would look into it would like to see if it's.

930

02:19:16.410 --> 02:19:22.950

Ms. Peters: dire enough so my comment is you don't think people dying every day is dying.

931

02:19:25.680 --> 02:19:26.550

Ms. Peters: How much more serious.

932

02:19:27.510 --> 02:19:27.690

This.

933

02:19:28.950 --> 02:19:29.610

Frances Verhalen: that's not.

934

02:19:30.360 --> 02:19:41.580

Frances Verhalen: What I intended at all, we do have to follow our rules and regulations and and the policies of the Agency, as well as the United States Government.

935

02:19:42.810 --> 02:19:56.970

Frances Verhalen: And so that's what when I say, I have to go back and check into it that's what we have to do to be able to be able to beat those regulations and policies.

936

02:19:58.950 --> 02:20:02.730

Frances Verhalen: I can't just have someone go down there immediately.

937

02:20:04.170 --> 02:20:11.400

Frances Verhalen: Without meeting those requirements that's not something that I can authorize and.

938

02:20:12.480 --> 02:20:15.870

Frances Verhalen: In I can't do it, I can't authorize much of anything but.

939

02:20:17.040 --> 02:20:18.210

Frances Verhalen: My management.

940

02:20:18.540 --> 02:20:28.230

Frances Verhalen: and ask them and we can evaluate, to see if there is an opportunity for it, but there are rules and regulations that we must follow.

941

02:20:29.250 --> 02:20:33.930

Frances Verhalen: As part of the US Government, I I can't just go in there, Willy nilly.

942

02:20:35.490 --> 02:20:37.230

Ms. Peters: No, I understand that I really do.

943

02:20:37.290 --> 02:20:39.720

Ms. Peters: Understand that, however.

944

02:20:40.230 --> 02:20:46.860

Ms. Peters: My point is you say you would talk to your manager and they are guidelines that you have to go by.

945

02:20:47.880 --> 02:20:49.380

Ms. Peters: The only thing i'm saying is.

946

02:20:51.120 --> 02:20:58.920

Ms. Peters: If if this is some sort of formula, you have to use we meet the criteria you just have to set up inside that formula.

947

02:20:59.370 --> 02:21:00.870

Ms. Peters: that's all i'm saying, because.

948

02:21:01.920 --> 02:21:06.690

Ms. Peters: there's only a handful of us left in Malta do that number one and.

949

02:21:06.720 --> 02:21:10.230

Ms. Peters: It wouldn't take a whole lot just to get us out of here, it would not.

950

02:21:12.330 --> 02:21:14.340

Frances Verhalen: Yes, ma'am we will take that back.

951

02:21:16.140 --> 02:21:18.300

Debora Browning: Thank you, Mr Peters i'm genetic.

952

02:21:19.980 --> 02:21:20.670

Ms. Peters: Any other.

953

02:21:21.120 --> 02:21:23.400

Debora Browning: Questions or hand raises at this time.

954

02:21:24.060 --> 02:21:25.680

Janetta Coats: Yes, I will do tests.

955

02:21:26.010 --> 02:21:27.480

debra Sullivan Ramirez: To Deborah Maris.

956

02:21:27.900 --> 02:21:30.450

debra Sullivan Ramirez: And i've been raising my hand but i've been doing.

957

02:21:30.450 --> 02:21:31.980

debra Sullivan Ramirez: ignored the whole while.

958

02:21:33.780 --> 02:21:37.710

Janetta Coats: You don't ever apologize, I did not see your hand race.

959

02:21:38.190 --> 02:21:40.890

debra Sullivan Ramirez: Okay Jeanette I get that I do.

960

02:21:41.640 --> 02:21:42.390

debra Sullivan Ramirez: I want.

961

02:21:42.750 --> 02:21:46.800

debra Sullivan Ramirez: I want to say this, I had several notes that I had written down.

962

02:21:47.490 --> 02:21:55.500

debra Sullivan Ramirez: And you know for fact i've been working a long time with mossville Community because it was my community and steal his Web.

963

02:21:56.190 --> 02:21:58.140

Janetta Coats: server is good to hear your voice.

964

02:21:58.830 --> 02:22:09.480

debra Sullivan Ramirez: And I was wanting to know, because I know EPA and know the industry action for you over I do know that they X PTA for that.

965

02:22:09.930 --> 02:22:18.270

debra Sullivan Ramirez: So I appreciate you all coming forth, but you know you six years plus too late, because a lot of the people in my area they hacked.

966

02:22:18.960 --> 02:22:38.010

debra Sullivan Ramirez: clusters and we mentioned that we've been exposed to ethylene oxide and ethylene dioxide and ethylene is just ethylene is not good, it is a carcinogen, and it does cause cancer cross the placenta, of the mother who cares a child, and it was in is transmitted from generation.

967

02:22:42.870 --> 02:22:49.290

debra Sullivan Ramirez: All that they are going through an x you know all these questions have you all that you're doing tonight and i'm glad.

968

02:22:49.860 --> 02:23:03.180

debra Sullivan Ramirez: To hear that they are on board, finally, it took 3040 years for everybody to catch up, but everybody is called up i'm very proud of miss bennet and the way she spoke, because she spoke from the heart, I was very proud of his nice malveaux.

969

02:23:03.420 --> 02:23:10.020

debra Sullivan Ramirez: which we have problems he and lake Charles and been trying to get ETA and lake Charles now, this is my fourth time moving, by the way.

970

02:23:10.950 --> 02:23:29.550

debra Sullivan Ramirez: And then, if I have to move again it'd be my fear, but it was a lot of thoughts come to my mind, is all and everybody was talking in acts and about ethylene oxide and I want to know why they just stay to ethylene oxide and not talk about all the combinations of.

971

02:23:29.580 --> 02:23:41.070

debra Sullivan Ramirez: ethylene that has been released on us over years of time, and also the fact that to overtime, the little bit, although the huge amount that we receive affected our health.

972

02:23:41.940 --> 02:23:52.530

debra Sullivan Ramirez: I want to discuss that about health and how come the industry there are industries because it was more than one and I had asked the question how many.

973

02:23:53.970 --> 02:24:03.180

debra Sullivan Ramirez: Actually process so SLE and the names of them all the other thing is, is that ethylene.

974

02:24:04.560 --> 02:24:12.300

debra Sullivan Ramirez: left the soil, when it was wasted underneath the homes so show pictures and videos it wasn't considered.

975

02:24:12.840 --> 02:24:20.190

debra Sullivan Ramirez: that's why I say a lot of things went on, so it made me think that with the new breach trying to come in and ethylene spilled thunder yet and.

976

02:24:20.580 --> 02:24:29.550

debra Sullivan Ramirez: It can't be moved and new bridge has to be built, and still under the ground in mouse via with the residents who are still residing there.

977

02:24:29.910 --> 02:24:40.020

debra Sullivan Ramirez: You know it's just a lot of questions, you know that I have that the citizens didn't did not elaborate on and it's, not because they probably.

978

02:24:40.800 --> 02:24:54.600

debra Sullivan Ramirez: didn't want to they just limited to time and they know that even the fans is stuff that was posed own the own staff soul con Dale jr to go for whoever they want to be now.

979

02:24:55.200 --> 02:25:02.520

debra Sullivan Ramirez: But anyway, that money should have been given back to the Community for them to care for that use whatever not to ETA.

980

02:25:03.120 --> 02:25:15.000

debra Sullivan Ramirez: And also loss of life we've had tremendous loss of life because they had clusters of cancer and the most real area, as well as the cashew parish should like Charles areas.

981

02:25:15.720 --> 02:25:28.380

debra Sullivan Ramirez: Now they have to turn and come East and go East with these pipelines there I think about eight plus more proper LNG plants coming in, they got a big international conference coming up in November and.

982

02:25:28.890 --> 02:25:39.510

debra Sullivan Ramirez: You know just a lot of stuff going on in my fingers question is why now why EPA pay attention now and all the years that we have been fighting.

983

02:25:40.170 --> 02:25:55.020

debra Sullivan Ramirez: over what the industry has released they never thought about coming you know coming to the light back then, because he was gone to introduce them back to our health and the issues that we have with hill That would be my opinion and gifts.

984

02:25:55.830 --> 02:26:02.970

debra Sullivan Ramirez: But the whole idea about the alcohol mixing with the vinyl and stuff we smelled sweet snails all the time, alcohol.

985

02:26:03.510 --> 02:26:12.150

debra Sullivan Ramirez: When we would call Al di Q out a they were local at that time, they said didn't smell insane we start doing a report we bought we bought we bought.

986

02:26:12.720 --> 02:26:17.130

debra Sullivan Ramirez: How much longer do mossville have to fight, they should be given their land back.

987

02:26:17.730 --> 02:26:25.170

debra Sullivan Ramirez: On whatever choices, the land that they decide that they want to be on this shouldn't have no list and tna goes between each resident.

988

02:26:25.590 --> 02:26:32.880

debra Sullivan Ramirez: And they should be compensated for their health and not just the ones that's left in there all who have lived under that plan.

989

02:26:33.360 --> 02:26:41.160

debra Sullivan Ramirez: All these 50 some years the secrets that you all loud and Al di Q allows people to keep.

990

02:26:41.760 --> 02:26:51.690

debra Sullivan Ramirez: And the secret was is that they knew that ethylene had gotten into the water table and at that time it was the well water and now whales what no more than 25 feet.

991

02:26:52.650 --> 02:26:55.710

debra Sullivan Ramirez: They tested all the way to the 700 and some point, saying.

992

02:26:56.460 --> 02:27:07.050

debra Sullivan Ramirez: They never really gave the report to the Community, they never even really post it and let them know it was under their homes, and on top of that, the plants didn't know have fallen to pity don't.

993

02:27:07.530 --> 02:27:13.410

debra Sullivan Ramirez: How wide it was it didn't know how deep it was well that's what I want to say and that's what I got to put on record.

994

02:27:13.800 --> 02:27:25.440

debra Sullivan Ramirez: Yes, because you don't hear from me don't mean that i'm not concerned about my community, as long as I have breath, I will be concerned about my community, it does not matter.

995

02:27:26.040 --> 02:27:36.210

debra Sullivan Ramirez: Whether people want me to be involved or not involved the fact still remains that the client knows with chemical manufacturers and everybody else association.

996

02:27:36.570 --> 02:27:46.560

debra Sullivan Ramirez: They know what happened in most feel they know what happened in caps you pair, but I can tell you this lake Charles is not going to play with with saw or.

997

02:27:47.580 --> 02:27:56.700

debra Sullivan Ramirez: Phillips 66 or anybody else you know who may be getting in omitting chemicals in this water and into saw air.

998

02:27:57.450 --> 02:28:07.200

debra Sullivan Ramirez: Because we got the live here supposed to be an industrial car door three to 400 miles that's a lot of industry that you accept us to be exposed to.

999

02:28:07.830 --> 02:28:14.310

debra Sullivan Ramirez: And then telling us it's okay if we get a little bit cuz it's gonna be all right hey Oh, we already invested.

1000

02:28:15.090 --> 02:28:22.440

debra Sullivan Ramirez: All we are walking around waiting for the date everything come up and I do want to mention, too, that nobody ever thinks about mentioning.

1001

02:28:23.040 --> 02:28:34.800

debra Sullivan Ramirez: Even don't want to your terms, mean that the nervous system mess this up real bad with the chemical exposure that people have been exposed to here in Lake Charles Louisiana.

1002

02:28:35.970 --> 02:28:36.960

debra Sullivan Ramirez: that's all I have to say.

1003

02:28:39.570 --> 02:28:51.480

Debora Browning: Thank you, Miss Solomon We appreciate your comments i'd like to take the time just to make note that it's 830 we still have several questions in the chat box, that we will get to I do want to.

1004

02:28:52.860 --> 02:28:59.640

Debora Browning: check with Gloria to see if she has any direct messages first, before I continue with our chat boxes Gloria.

1005

02:29:00.090 --> 02:29:01.470

Gloria Vaughn: So I don't have you.

1006

02:29:04.020 --> 02:29:04.530

Debora Browning: Okay.



1007

02:29:04.830 --> 02:29:06.540

Debora Browning: Our next question fran.

1008

02:29:09.030 --> 02:29:09.750

Debora Browning: comes from.

1009

02:29:10.800 --> 02:29:19.170

Debora Browning: lori house and she has three comments with two questions and i'll address one, at a time for a response.

1010

02:29:19.530 --> 02:29:29.820

Debora Browning: Because since your comments are in depth, could you unmute your line and identify yourself in case friend needs to clarify any of your questions.

1011

02:29:33.540 --> 02:29:36.690

1337\*\*\*994: Yes, this is one the super I have a question, please.

1012

02:29:40.770 --> 02:29:50.850

Debora Browning: Wilma hi can I address miss false as questions first or would you like, do you feel like it's necessary to address your question first.

1013

02:29:52.170 --> 02:29:53.340

1337\*\*\*994: i'll go second please.

1014

02:29:54.000 --> 02:30:01.890

Debora Browning: Okay, I will call on you Wilma after miss halls I address her questions miss halls are you there.

1015

02:30:04.560 --> 02:30:08.160

Debora Browning: Okay fran i'm going to go ahead and read our questions, and hopefully.

1016

02:30:09.180 --> 02:30:16.470

Debora Browning: If you have any questions i'm going to first start with the comments and then there's a question so every day, yes.

1017

02:30:16.500 --> 02:30:20.700

Janetta Coats: Would it be okay to state who miss hawes is with her who she's.

1018

02:30:20.700 --> 02:30:21.570

1337\*\*\*994: Representing.

1019

02:30:21.750 --> 02:30:23.040

Janetta Coats: Is it okay to do that.

1020

02:30:24.750 --> 02:30:29.850

Debora Browning: sure you have that information if you'd like to share it with us.

1021

02:30:30.240 --> 02:30:38.190

Janetta Coats: If i'm not mistaken, I thought I saw in the section there that she has a representative of say Sol maybe.

1022

02:30:40.380 --> 02:30:43.410

Janetta Coats: Please correct me if i'm wrong miss Hart if you still there.

1023

02:30:49.710 --> 02:30:51.570

Janetta Coats: Okay Deborah maybe she's still there.

1024

02:30:51.870 --> 02:30:53.640

Gloria Vaughn: Ever this is Gloria.

1025

02:30:54.780 --> 02:30:55.050

Gloria Vaughn: Thank.

1026

02:30:55.890 --> 02:30:58.890

Gloria Vaughn: You is and representative sasol.

1027

02:31:01.260 --> 02:31:01.650

Janetta Coats: Okay.

1028

02:31:02.400 --> 02:31:02.910

Okay.

1029

02:31:05.160 --> 02:31:06.150

Debora Browning: clarify that.

1030

02:31:06.720 --> 02:31:07.350

Gloria Vaughn: Do I.

1031

02:31:07.740 --> 02:31:16.740

Gloria Vaughn: Hope so so with That being the case, could we do wellness comment first and then go back to resolve because we do.

1032

02:31:16.770 --> 02:31:17.310

Frances Verhalen: want to.

1033

02:31:17.340 --> 02:31:29.880

Debora Browning: share what i'd like to do is first of all i'm having some audio issues on my end so i'm getting it very broken, so if i'm interacting anyone I apologize, but what i'd like to do is since miss halls as a.

1034

02:31:30.960 --> 02:31:48.420

Debora Browning: With sasol representative, I would like to go to Wilma soap rednecks and then, I have a couple of others, that I believe our residents and then we'll come back to miss hawes at the end so Wilma if you'd like to go ahead and unmute your line and present your comment or question.

1035

02:31:50.160 --> 02:31:51.360

1337\*\*\*994: Thank you, can you hear me.

1036

02:31:51.810 --> 02:31:52.410

I can.

1037

02:31:54.690 --> 02:32:09.270

1337\*\*\*994: So, as you start this conversation potentially about an emergency situation in mossville there are two other facilities and with deanna that exceed the 100 million risk.

1038

02:32:10.380 --> 02:32:16.710

1337\*\*\*994: And I would like to have those communities that live near those facilities.

1039

02:32:17.820 --> 02:32:37.530

1337\*\*\*994: be added to the conversation about potential emergencies and then there's a number of facilities in Texas that are over 100 and a million and i'd like to consider having those as well as part of the conversation about emergency action, thank you.

1040

02:32:43.470 --> 02:32:51.420

Gloria Vaughn: Robin this is Gloria could you send me an email or send friend myself and fran an email letting us know what those facilities off.

1041

02:32:52.680 --> 02:32:53.280

Gloria Vaughn: With those can I.

1042

02:32:55.320 --> 02:32:56.100

1337\*\*\*\*994: I will oh.

1043

02:32:56.730 --> 02:32:59.370

Frances Verhalen: i'm good Wilma I know what they are, thank you.

1044

02:33:05.940 --> 02:33:07.740

Debora Browning: brandi have the information you need.

1045

02:33:08.520 --> 02:33:09.780

Frances Verhalen: I do thank you.

1046

02:33:11.070 --> 02:33:27.090

Debora Browning: Okay um then i'd like to continue with our questions and actually this next one is from Deborah solvent in Deborah I know you had actually spoken just a moment ago, so I just want to make sure that you, your question in the chat box with answer.

1047

02:33:28.620 --> 02:33:29.400

Debora Browning: In your.

1048

02:33:30.480 --> 02:33:43.440

Debora Browning: comments and questions that she just had the one thing I noticed is you were asking how many how many facilities are located in mouse feel how close you perish and who are they.

1049

02:33:46.590 --> 02:33:46.950

Yes.

1050

02:33:48.540 --> 02:33:48.990

Frances Verhalen: Yes, ma'am.

1051

02:33:49.020 --> 02:33:50.970

Debora Browning: Yes, ma'am yes ma'am we can hear you.

1052

02:33:51.420 --> 02:33:55.140

debra Sullivan Ramirez: It was concerning those who produce ethylene.

1053

02:33:56.730 --> 02:34:06.750

debra Sullivan Ramirez: that's what my question because that's what you want to stick to ethylene oxide I don't know exactly why that particular chemical when they had quite a few that causes carcinogen.

1054

02:34:07.620 --> 02:34:21.390

debra Sullivan Ramirez: causes cancer, but that was the reason how wrote that question, I really was fumbling because my phone was going in and out like it was doing just now, and have been a time since hurricane Laura and Delta.

1055

02:34:22.500 --> 02:34:30.780

debra Sullivan Ramirez: But anyway, it was concerning the ethylene plants, I want to know how many produce ethylene and who are they.

1056

02:34:35.040 --> 02:34:35.520

Frances Verhalen: um.

1057

02:34:35.760 --> 02:34:37.860

Frances Verhalen: This evening, we are.

1058

02:34:38.940 --> 02:34:41.040

Frances Verhalen: Yes, this evening we're going to.

1059

02:34:41.220 --> 02:34:42.750

Frances Verhalen: know that you're concentrating on.

1060

02:34:44.190 --> 02:34:49.710

debra Sullivan Ramirez: Right, but I want to know how many facilities produced that and who are.

1061

02:34:49.740 --> 02:35:01.440

Frances Verhalen: deathly right I don't have the number for ethylene at all tonight we'll have to get you an answer in our question and answer I don't have that information tonight.

1062

02:35:02.880 --> 02:35:03.240

Okay.

1063

02:35:04.440 --> 02:35:05.610

debra Sullivan Ramirez: And the other one, I think.

1064

02:35:05.880 --> 02:35:06.660

debra Sullivan Ramirez: The way you didn't get.

1065

02:35:09.270 --> 02:35:21.480

debra Sullivan Ramirez: The years you're going from what is that 2017 I think I heard you said, all the way back to just 2014 when it was being address to early on, before that.

1066

02:35:24.240 --> 02:35:24.930

debra Sullivan Ramirez: about right.

1067

02:35:25.080 --> 02:35:26.460

Frances Verhalen: We are looking at.

1068

02:35:26.550 --> 02:35:27.270

The risk.

1069

02:35:28.500 --> 02:35:35.970

Frances Verhalen: The risk that we're looking at is from 2014 through 2020.

1070

02:35:36.630 --> 02:35:41.220

Frances Verhalen: We actually have collided through 2018.

1071

02:35:42.450 --> 02:35:45.090

Frances Verhalen: We don't have enough data or.

1072

02:35:48.990 --> 02:35:52.500

Frances Verhalen: The reason we're looking at 2014 through.

1073

02:35:54.060 --> 02:35:55.980

Frances Verhalen: is based on our.

1074

02:35:57.120 --> 02:36:02.460

Frances Verhalen: Risk Esther months in in 2016 EPA.

1075

02:36:03.630 --> 02:36:13.590

Frances Verhalen: conducted an evaluation of ethylene oxide and determined at that time in 2016 that.

1076

02:36:15.270 --> 02:36:31.290

Frances Verhalen: ethylene oxide was carcinogenic prior to completing the evaluation in 2016 it was not we did not have enough information to make a determination so in looking at that we went back to.

1077

02:36:33.480 --> 02:36:44.460

Frances Verhalen: For the risk evaluation we don't go back further than in this case, what we were looking at at the time, so that would we would have been evaluating the 2014 data.

1078

02:36:45.930 --> 02:36:47.460

Frances Verhalen: We wouldn't go back for the data.

1079

02:36:47.520 --> 02:36:51.150

debra Sullivan Ramirez: Your data farther than that back I got copies of that.

1080

02:36:52.350 --> 02:36:52.950

debra Sullivan Ramirez: Wilma was.

1081

02:36:53.370 --> 02:36:54.300

Frances Verhalen: We may have.

1082

02:36:56.130 --> 02:37:07.560

Frances Verhalen: Right, but we would not backtrack with the amount of information that we're looking at, because we do this, nationally and so we have you know.

1083

02:37:07.860 --> 02:37:10.680

debra Sullivan Ramirez: Thousands of facility you all have not been.

1084

02:37:10.770 --> 02:37:26.610

debra Sullivan Ramirez: There, excuse me for interrupting you but you all have not been fair with my Community since they started, despite and ethylene oxide, was one of the chemical so long with benzene tile you lean and a whole lot of them, so I know that there has been.

1085

02:37:27.990 --> 02:37:34.770

debra Sullivan Ramirez: Evaluation for EPA on those chemicals now, you may not have wanted to talk about it, for whatever reason.

1086

02:37:35.280 --> 02:37:40.230

debra Sullivan Ramirez: But it is what it is, you know, and that does not embrace genetic codes and.

1087

02:37:40.620 --> 02:37:59.850

debra Sullivan Ramirez: And miss August and a whole lot of Warren off and a whole lot of other folks back there during that time I look so much deceased and going, and some have retired and some of us have other positions, and I do remember genetic misquotes, but I can assure you did I don't think it's fair.

1088

02:37:59.850 --> 02:38:00.120

Frances Verhalen: We have.

1089

02:38:01.500 --> 02:38:04.020

debra Sullivan Ramirez: not given the whole picture of everything.

1090

02:38:04.890 --> 02:38:18.450

Frances Verhalen: Prior to prior to 2016 EPA had not determined that ethylene oxide was carcinogenic we completed our study of the available information in.

1091

02:38:19.980 --> 02:38:39.000

Frances Verhalen: and made the determination at that time so before 2016 we did not understand all of the carcinogenic properties, we didn't have the information before then we completed our our evaluations, then so as of 2014.

1092

02:38:40.560 --> 02:38:52.260

Frances Verhalen: Because we determined in 2014 and we were looking at the data i'm sorry because we determined in 2016 it was more Carson Carson energetic.

1093

02:38:52.740 --> 02:39:07.560

Frances Verhalen: We then we're looking at the 2014 emission information and that's why we went to 2014 we did not go further back than that because we, you know that was the data at the time we determine.

1094

02:39:08.040 --> 02:39:22.500

Frances Verhalen: That it was carcinogenic and yes you're right, it was still there, prior to 2014 but prior to 2016 EPA did not have a determination that it was carcinogenic we.

1095

02:39:25.410 --> 02:39:31.470

debra Sullivan Ramirez: have now they didn't have the facility is huge, as they got it now, but that's all still existing.



1096

02:39:32.250 --> 02:39:38.220

debra Sullivan Ramirez: Like I said, you know y'all can keep running and hadn't ducking and dodging but the whole matter, the fact is.

1097

02:39:38.670 --> 02:39:49.650

debra Sullivan Ramirez: Is that mossville Community was right next door industry there was never been slide in there, they plant some trees and put a mound and that dad that it worked out, he had a lot of.

1098

02:39:50.580 --> 02:40:02.760

debra Sullivan Ramirez: flooding in that area, you all had the wheel here protection in that area of science, all long old Spanish trail, I mean a lot of things went on like I saying that you all did not want to admit to.

1099

02:40:03.330 --> 02:40:06.990

debra Sullivan Ramirez: And the plants didn't want to admit to and i'm going along with miss Bennett.

1100

02:40:07.560 --> 02:40:15.600

debra Sullivan Ramirez: Someone had to let them in the United States, so it was the United States Government who deck who done that, and this is why people can't trust government.

1101

02:40:16.020 --> 02:40:24.420

debra Sullivan Ramirez: Because they align folks to come in here and home the same people they said that they vowed to protect us know, justice and there is environmental racism.

1102

02:40:24.930 --> 02:40:31.980

debra Sullivan Ramirez: And, especially in the black communities, now that is going in different directions and pipelines are being ran.

1103

02:40:32.640 --> 02:40:40.230

debra Sullivan Ramirez: The other focus is beginning to complain so let's try to get this fixed let's get it out, so if we get it out on the table.

1104

02:40:40.500 --> 02:40:48.510

debra Sullivan Ramirez: Then it won't be so hard for us when they do come and have to give the real statistics of everything that has happened in this area.

1105

02:40:48.930 --> 02:40:55.200

debra Sullivan Ramirez: To perish the air flows, it goes, and so do water you can't stop them.

1106

02:40:55.740 --> 02:41:06.240

debra Sullivan Ramirez: they're all kind of superfund sites here in Lake Charles Louisiana and a lot of them was was so say remediated and it wasn't it was just cover up and put it, you know.

1107

02:41:06.720 --> 02:41:13.230

debra Sullivan Ramirez: For the people to share those who were talk, but that's not gonna happen anymore, because we got smartphones we.

1108

02:41:13.620 --> 02:41:23.100

debra Sullivan Ramirez: We know now what time of day, it is and we read reread with understand it, and that that we don't understand we try to get with a smartphone to make us understand.

1109

02:41:23.520 --> 02:41:30.270

debra Sullivan Ramirez: So a lot of things is happening now, you know they want to come clean as soul and all the rest of us, but it does not.

1110

02:41:30.660 --> 02:41:36.810

debra Sullivan Ramirez: make any difference because our people didn't go on the mass majority of my time on steel they didn't get to enjoy life.

1111

02:41:37.440 --> 02:41:43.680

debra Sullivan Ramirez: And i'm sure going about time kashi parish book realize what's going on and what has happened.

1112

02:41:44.160 --> 02:42:02.040

debra Sullivan Ramirez: The night just mostly with them to that they drink from the same water tape and hit the live on the same fealty land, so this is coming, whether you want it to be out, and that is out is coming documents or documents is they're wealthy you all want to acknowledge them or not, we know.

1113

02:42:10.830 --> 02:42:13.110

Frances Verhalen: megan I believe we've lost your your sound.

1114

02:42:14.580 --> 02:42:14.790

Debora Browning: Thank you.

1115

02:42:17.010 --> 02:42:20.610

Debora Browning: For your comments I think we've lost your Thank you miss all of them.

1116

02:42:21.660 --> 02:42:38.190

Debora Browning: We still have several questions that have come in through the chat box, as promised, all questions will be asked and answered before our meeting in so we really appreciate your patience, as we go through these questions from our next first.

1117

02:42:41.550 --> 02:42:42.990

Debora Browning: me that miss.

1118

02:42:45.210 --> 02:43:02.880

Debora Browning: lori halls had her hand up, but before I address for questions that we had earlier because i'm part of the Community, I want to add, there are a couple of other questions i'd like to address first the next one comes from Adam pon he's with earth justice and he'd like to know.

1119

02:43:04.290 --> 02:43:15.600

Debora Browning: It use its information collection authority under Section 114 of the Clean Air act to require fence line monitoring access off, as it did for the that facility and look.

1120

02:43:18.120 --> 02:43:19.230

i'm.

1121

02:43:22.800 --> 02:43:32.760

Frances Verhalen: That would relate to and in forsman action and i'm not prepared to talk about anything related to enforcement actions this evening.

1122

02:43:35.970 --> 02:43:38.790

Debora Browning: Okay, our next um.

1123

02:43:40.170 --> 02:43:58.620

Debora Browning: i'm not sure if it's a question or a comment so i'm going to read it, it comes from Kimberly terrelle a couple of people, including herself had asked what proof, if any sasol provided to EPA to support its ethylene oxide recalculation, could you please be sure to address this issue.

1124

02:43:59.670 --> 02:44:13.890

Debora Browning: which we are before the meeting is over, please make sure our Community Members have spoken, which we are trying to address

Thank you Kimberly for your comment frank, do you have any additional comments you'd like to provide to Kimberly about the.

1125

02:44:14.640 --> 02:44:16.860

Frances Verhalen: With respect to the proof.

1126

02:44:21.030 --> 02:44:21.480

See.

1127

02:44:22.650 --> 02:44:31.890

Frances Verhalen: The mission inventory information is provided by sasol to Louisiana department of environmental quality and then that is provided to EPA.

1128

02:44:35.790 --> 02:44:39.690

Frances Verhalen: We did receive information from ld eq.

1129

02:44:41.220 --> 02:44:45.360

Frances Verhalen: They have looked at the information we've also spoken with sasol.

1130

02:44:46.680 --> 02:44:47.490

Frances Verhalen: So.

1131

02:44:49.560 --> 02:45:00.960

Frances Verhalen: I don't have you no evidence is you know that's such a weird word for me because I don't that's not how I work that becomes a.

1132

02:45:02.010 --> 02:45:04.650

Frances Verhalen: Enforcement term so.

1133

02:45:07.440 --> 02:45:17.790

Frances Verhalen: We do have information from them ld Q has been in communication with sasol I can double check and I will double check with ld eq on.

1134

02:45:18.990 --> 02:45:25.590

Frances Verhalen: What information that says all provided to them for the changes so that's best I can do for you tonight, Mr Darrell.

1135

02:45:27.630 --> 02:45:27.990

Frances Verhalen: Deborah.

1136

02:45:28.800 --> 02:45:42.900

Debora Browning: i'm sure fran miss terrell asked if we could just a post whatever documentation, we have to support the recalculation fran do you think maybe this might be able to be part of the Q amp a response.

1137

02:45:43.920 --> 02:45:45.180

Frances Verhalen: i'll have to see what we've gone.

1138

02:45:45.720 --> 02:45:46.860

Debora Browning: Okay, thank you.

1139

02:45:48.600 --> 02:46:00.510

Debora Browning: Our next question comes from lois malveaux she'd like to know what would Why would you not examine every chemical by industry that was used to make sure it was safe.

1140

02:46:04.770 --> 02:46:14.430

Frances Verhalen: um during our risk evaluation when we do our risk assessments, we do look at all the air toxic emissions from a facility what.

1141

02:46:15.660 --> 02:46:16.560

Frances Verhalen: We end up.

1142

02:46:18.000 --> 02:46:27.210

Frances Verhalen: Reporting out and why ethylene oxide is reported out in this manner, is that it is the chemical that had the highest risk factor.

1143

02:46:28.470 --> 02:46:30.960

Frances Verhalen: by several orders of magnitude.

1144

02:46:32.160 --> 02:46:43.230

Frances Verhalen: For the Community so in our risk assessments and evaluations, we do look at all the air toxic chemicals emitted from a facility, so we do take it into account.

1145

02:46:48.090 --> 02:46:52.770

Debora Browning: As fran and Gloria i'd like to check with you to see if you have any direct messages.

1146

02:46:56.520 --> 02:46:57.930

Gloria Vaughn: yeah I do not have any.

1147

02:46:59.490 --> 02:47:05.580

Debora Browning: Genetic can you check to see if you have any direct messages or or if there's any additional hands raised.

1148

02:47:06.270 --> 02:47:18.960

Janetta Coats: No direct messages, nor do we have any calls from any messages from phone calls and we do still have one hand raised from miss lori cars would say salt.

1149

02:47:19.500 --> 02:47:21.990

Debora Browning: Okay, great i'm actually this is.

1150

02:47:23.220 --> 02:47:28.500

Debora Browning: We have, I believe, answered all the questions from the communities that i've seen in the chat box.

1151

02:47:28.800 --> 02:47:30.690

Debora Browning: And we have checked with our you.

1152

02:47:31.050 --> 02:47:42.420

Gloria Vaughn: Yes, i'm getting is a question that hasn't been asked, and if so, I forgive me, because I may have missed it, but there was something about hiring.

1153

02:47:43.560 --> 02:47:44.700

Gloria Vaughn: number of jobs.

1154

02:47:46.170 --> 02:47:47.100

Debora Browning: And yes, that was.

1155

02:47:48.240 --> 02:47:50.610

Frances Verhalen: It we don't have that type of information Gloria.

1156

02:47:52.050 --> 02:47:57.960

Frances Verhalen: will have to coordinate with sasol and put that in the question and answers.

1157

02:47:58.080 --> 02:47:59.310

Gloria Vaughn: Okay, thank you.

1158

02:48:00.120 --> 02:48:07.470

Debora Browning: Sure, thank you for bringing that over to to our attention Gloria and so next at this time i'd like to.

1159

02:48:09.060 --> 02:48:23.280

Debora Browning: Ask lori causes questions they are in depth and so we've asked lori to actually unmute her line and identify herself in case friend needs to have clarification on the questions lori.

1160

02:48:24.420 --> 02:48:25.530

laurie haws: yeah can you hear me.

1161

02:48:25.920 --> 02:48:27.120

Debora Browning: I can thank you.

1162

02:48:27.300 --> 02:48:34.860

laurie haws: Right yeah, so I am actually not a South hall employee, I am a toxicologist with the scientific consulting from what.

1163

02:48:36.510 --> 02:48:42.690

laurie haws: I have both a Masters and PhD in toxicology and i'm also a diplomat of the American Board of toxicology.

1164

02:48:43.110 --> 02:49:01.140

laurie haws: And I was retained by sasol to perform and independent third party assessment of the state of the science concerning the toxicology and potential health risks associated with ethylene oxide, so my my my comments reflect the assessment that I conducted.

1165

02:49:03.810 --> 02:49:04.230

Thank you.

1166

02:49:05.610 --> 02:49:06.090

Janetta Coats: Thank you.

1167

02:49:07.830 --> 02:49:13.650

Debora Browning: So fran what i'll do is I will read her comment first and then there will be followed up.

1168

02:49:15.600 --> 02:49:16.920

Debora Browning: With the question okay.

1169

02:49:19.080 --> 02:49:29.700

Debora Browning: i'm writing and it's going to be broken down into three parts, so the first part is the exposure scenario EPA region six used in its risk assessment.

1170

02:49:30.090 --> 02:49:45.390

Debora Browning: is an absolute worst case like implausible exposure scenario to realize the estimated maximum individual risk in my are would require an individual to stand at one point of the maximum.

1171

02:49:45.810 --> 02:50:00.450

Debora Browning: model air concentration, which EPI suggests likely occurs within one to 2am of the facility 24 hours per day, seven days per week, for the first 70 years of their life without ever leaving.

1172

02:50:00.840 --> 02:50:16.440

Debora Browning: This is an extremely unlikely and unreasonable exposure scenario that in turn results in a theoretically maximum individual cancer risk estimate that is unrealistic and it represents the compounding of worst case assumptions.

1173

02:50:18.750 --> 02:50:32.100

Debora Browning: In addition, in the materials related to this Community meeting EPA region six is emphasizing the maximum individual risk in my are of 300 and a million when, in reality, even EPA regions sixes.

1174

02:50:32.820 --> 02:50:56.460

Debora Browning: they're radical worst case risk assessment demonstrates that greater than 99.8% of the population within a 50 km of the sasol chemical facilities are within EPA is acceptable risk cancer risk range, which is one to 100 in a million in that the average risk is, in fact, for in a million.

1175

02:50:57.510 --> 02:51:10.290

Debora Browning: The question is, does EPA plan to provide an uncertainty analysis that puts their theoretical cancer risk assessments estimates until approximate approximate context.

1176

02:51:14.460 --> 02:51:18.570

Frances Verhalen: At this time, my understanding is, we are not prepared to.

1177

02:51:20.640 --> 02:51:21.660

Frances Verhalen: provide that.

1178

02:51:22.920 --> 02:51:24.630



Frances Verhalen: type of specificity.

1179

02:51:25.980 --> 02:51:30.660

Frances Verhalen: It it's not part of what we are doing with our.

1180

02:51:32.610 --> 02:51:34.470

Frances Verhalen: Risk assessment at this time.

1181

02:51:36.720 --> 02:51:42.930

Frances Verhalen: Mike kerber are you still with us, do you have anything additional to add to that.

1182

02:51:43.980 --> 02:51:54.900

Mike Koerber: yeah Thank you fran i'll just note that our risk assessment methodologies are inherently conservative and that's consistent with our mission to protect public health.

1183

02:51:55.350 --> 02:52:02.010

Mike Koerber: At EPA, so we do make a number of Conservative assumptions, but it's in the interest of protecting public health and i'll i'll just leave it at that.

1184

02:52:02.760 --> 02:52:03.210

Frances Verhalen: Thank you.

1185

02:52:07.290 --> 02:52:11.790

Debora Browning: fran the next the next one comment and question is.

1186

02:52:12.870 --> 02:52:16.530

Debora Browning: EPA region six is risk assessment lacks transparency.

1187

02:52:17.130 --> 02:52:28.140

Debora Browning: The analysis is based on census block level data that is not available to the public and the report fails to fully describe the methods and assumptions used to arrive at their cancer risk estimates.

1188

02:52:28.470 --> 02:52:44.670

Debora Browning: As a result, it is impossible to reproduce EPA region six is analysis and confirm or fully understand their results, the question is, does EPA region six plan to make all input and output files from risk assessment publicly available.

1189

02:52:48.420 --> 02:52:52.110

Frances Verhalen: In the past, we have not made them publicly available.

1190

02:52:55.080 --> 02:53:04.320

Frances Verhalen: Let me get with our risk assessors to find out what can be made available, and we will add that to our Q amp a.

1191

02:53:06.120 --> 02:53:12.120

Debora Browning: Okay, and we had a couple of other comments just in the chat box i'm.

1192

02:53:15.060 --> 02:53:29.970

Debora Browning: Laying a chord with sasol has written that information related to eat South saul's ethylene oxide recalculation was submitted to ld eq and there is a web link that she can find in the chat box.

1193

02:53:30.510 --> 02:53:39.060

Debora Browning: And you can find the EPA as technical review of sasol like Charles camel camel called complex here as well.

1194

02:53:40.860 --> 02:53:41.310

Thank you.

1195

02:53:56.370 --> 02:53:59.430

Debora Browning: it's not independent if it's not funded by industry.

1196

02:54:00.450 --> 02:54:04.950

Debora Browning: And again, a line of cord provided APIs technical review in the link.

1197

02:54:09.510 --> 02:54:23.850

Debora Browning: May and I had made another comment it doesn't take into consideration the cumulative impacts of the other multiple compounding exposure snore interactions with other chemicals so it's arguable that it's a conservative approach and then.

1198

02:54:29.760 --> 02:54:35.730

Debora Browning: And then Louis malveaux commented, we have chemical spills in North lake Charles Fisher ville community.

1199

02:54:36.330 --> 02:54:53.250

Debora Browning: And she would needs to talk to someone later to get in touch about this and left her email so miss malveaux, we will have someone reached out to you about that more than likely, it may be referred to Gloria to follow up with you.

1200

02:54:54.510 --> 02:55:01.860

Debora Browning: And Kim terrail mentioned that those conservative assumptions balance out the unknown risks that cannot be accounted for an EPA model.

1201

02:55:05.880 --> 02:55:14.160

Debora Browning: fran at this time, I do not see any other questions that have come through the chat box and we do not have any other.

1202

02:55:16.170 --> 02:55:28.950

Debora Browning: questions on the direct messaging more hands that are raised i'd like to check with David Garcia to see it or comments, before going to our presentation with successful.

1203

02:55:41.190 --> 02:55:47.640

Debora Browning: David do you have any David Garcia, do you have any additional comments you'd like to say at this time.

1204

02:55:49.050 --> 02:55:51.660

dgarcia: Oh hi this is David, can you hear me okay.

1205

02:55:52.620 --> 02:55:54.330

Debora Browning: Yes, we can hear you oh.

1206

02:55:55.170 --> 02:56:03.990

dgarcia: Yes, I just liked one more calling, is there any last questions from the Community at hand that would that has any questions for us.

1207

02:56:05.970 --> 02:56:08.730

dgarcia: Going going once going twice anybody.

1208

02:56:14.220 --> 02:56:21.210

dgarcia: Then, not hearing anything else, why don't we go ahead and see if Castile would like to make a presentation.

1209

02:56:25.380 --> 02:56:26.430

Debora Browning: Thank you, David.

1210

02:56:27.510 --> 02:56:36.750

Debora Browning: And thank you fran for your responses to all these great Community questions, and thank you to the Community for taking time to ask these questions.

1211

02:56:37.410 --> 02:56:44.880

Debora Browning: EPA would like to thank you again for attending the meeting on the ethylene oxide sesame saw saw chemicals here in westlake.

1212

02:56:45.180 --> 02:57:02.850

Debora Browning: Louisiana and we do remind you to submit additional questions to the EPA region six email box, which is our six ethylene oxide@epa.gov EPA will provide a response to your email so be sure to include your contact information with your question or comment.

1213

02:57:07.260 --> 02:57:11.280

Debora Browning: So at this time we'd like to introduce sasol.

1214

02:57:12.960 --> 02:57:21.480

Debora Browning: To make their brief presentation we have elaine accord with the unit manager ethylene oxide ethylene glycol.

1215

02:57:21.870 --> 02:57:28.770

Debora Browning: facility at sasol chemicals, we look forward to hearing more from sasol on their activities, since 2014.

1216

02:57:29.160 --> 02:57:41.580

Debora Browning: To reduce and control ethylene oxide emissions from their facility their ongoing efforts and any future plans that they can share with us at the lane if you'd like to go ahead and upload your presentation.

1217

02:57:42.300 --> 02:57:44.700

Elaine Acord: Yes, thank you Deborah pull up my presentation.

1218

02:57:55.530 --> 02:57:59.040

Elaine Acord: Okay, just want to confirm that it's The presentation is visible.

1219

02:58:01.230 --> 02:58:02.550

Debora Browning: Yes, the line we can see it.

1220

02:58:02.880 --> 02:58:03.360

Okay, great.

1221

02:58:05.190 --> 02:58:05.580

Elaine Acord: Okay.

1222

02:58:05.940 --> 02:58:16.620

Elaine Acord: My name is elaine a chord and I am a chemical engineer, and the unit manager for samples ethylene oxide and ethylene glycol facility at our lake Charles chemical complex near West like Louisiana.

1223

02:58:17.280 --> 02:58:29.130

Elaine Acord: I want to begin by thanking EPA region six for giving us all the opportunity to speak today and a special thanks to our Community members for dialing in this even I also want to lay yes.

1224

02:58:30.600 --> 02:58:32.340

dgarcia: You slow down just a little bit.

1225

02:58:32.970 --> 02:58:34.590

Elaine Acord: Yes, definitely okay.

1226

02:58:35.130 --> 02:58:40.860

Elaine Acord: I actually was going to thank the interpreters next, so I will that was my cue to slow down, so I will definitely do that.

1227

02:58:41.640 --> 02:58:45.510

Elaine Acord: But definitely want to thank the interpreters that are assisting with tonight's meeting.

1228

02:58:46.230 --> 02:58:54.600

Elaine Acord: Sasha has been a proud member of the southwest Louisiana Community for more than 20 years making products we all use every day.

1229

02:58:55.410 --> 02:59:03.810

Elaine Acord: This community is home to our hundreds of employees contractors and local business partners and our children and families.

1230

02:59:04.590 --> 02:59:16.170

Elaine Acord: The subject before us today is this an important one, as a local resident and a mother of two young children, I understand, wanting to make sure that the air we breathe is safe.

1231

02:59:16.770 --> 02:59:25.710

Elaine Acord: And as a chemical engineer, with over a decade of experience in ethylene oxide production, I also understand the science behind our operations.

1232

02:59:26.130 --> 02:59:35.670

Elaine Acord: And the controls we have in place to ensure our operations are safe protective of the environment, complying with regulations and sustainable over the long term.

1233

02:59:46.620 --> 02:59:58.320

Elaine Acord: My objective is to provide an overview of hassles like Charles chemical complex and to profile or ethylene oxide operations and our safety and environmental performance, the subject i'm very familiar with.

1234

02:59:58.980 --> 03:00:12.540

Elaine Acord: sasol has demonstrated proactive continuous improvement of our environmental and safety performance over the past two decades we've made a lot of progress and continue to challenge ourselves to be better i'll give specifics, as to how.

1235

03:00:14.730 --> 03:00:30.570

Elaine Acord: Special like charleston complex is located near West like Louisiana and is one of the largest and highest paying employers in the area, supporting more than 2000 employees and contractors annually, the majority of whom live here and Caicos should perish.

1236

03:00:31.680 --> 03:00:39.780

Elaine Acord: Those who live near us know our complex has been quite busy over the last several years building, one of the largest new industrial construction projects in the state.

1237

03:00:40.440 --> 03:00:47.880

Elaine Acord: This includes seven brand new facilities with the latest technology and emission controls, including our ethylene oxide facility.

1238

03:00:49.740 --> 03:00:57.810

Elaine Acord: In the process, we spent more than \$4.3 billion dollars, with hundreds of Louisiana businesses to build and Commissioner new facilities.

1239

03:00:58.290 --> 03:01:09.960

Elaine Acord: Spent \$40 million on new city of West I can capture parish roads and utility infrastructure and contributed over \$7 million to local schools and Community organizations.

1240

03:01:11.160 --> 03:01:20.940

Elaine Acord: sasol also paid hundreds of millions of dollars in taxes that fund education emergency response services and law enforcement in calc should perish.

1241

03:01:21.990 --> 03:01:31.050

Elaine Acord: For our neighbors and our community leaders Thank you once again for the support you've provided us all and for your patience, through the significant growth.

1242

03:01:32.190 --> 03:01:43.290

Elaine Acord: The products we make in part are used in everyday cleaning and personal care products such as disinfectants soaps detergents shampoos and cosmetics.

1243

03:01:43.890 --> 03:01:54.960

Elaine Acord: Many of which, including ethylene oxide have been instrumental in fighting the recent pandemic and local hurricane recovery my team, and I take a great deal of pride in this.

1244

03:01:57.390 --> 03:02:04.230

Elaine Acord: Now i'd like to provide an overview or two units, where we either produce or handle ethylene oxide.

1245

03:02:05.220 --> 03:02:15.150

Elaine Acord: sasol and its predecessor have produced are handled ethylene oxide in Lake Charles for more than 60 years and has robust safety and management protocols with the history of high standards.

1246

03:02:16.110 --> 03:02:26.970

Elaine Acord: In my unit ethylene oxide ethylene glycol unit are highly trained team combines ethylene, which is also produced here on site with oxygen to produce crew definitely an oxide.

1247

03:02:28.350 --> 03:02:44.970

Elaine Acord: Some of the crew do is purified and then use to produce a fox alerts, which are used in detergents personal care products and paints and some of it is used to produce ethylene glycol an ingredient found and clothing carpets upholstery an engine coolant.

1248

03:02:48.240 --> 03:03:01.260

Elaine Acord: Eo is a critical ingredient and healthcare and cleaning products, as indicated by the EPA the FDA and countless other medical groups, however, like all chemicals it poses a risk if it isn't handled properly.

1249

03:03:02.820 --> 03:03:11.100

Elaine Acord: sasol and the agencies that regulate us have robust safety and management protocols to ensure safe production and handling of Eo.

1250

03:03:11.550 --> 03:03:16.950

Elaine Acord: protocols that have guided safe operation of your facilities globally for many decades.

1251

03:03:17.820 --> 03:03:32.700

Elaine Acord: sasol complies with all state and federal regulations at a minimum and, in many cases we operate well below are permitted emission allowances, this is due to our investment and the latest control technology and striving to minimize emissions every day.

1252

03:03:34.080 --> 03:03:50.460

Elaine Acord: For more context and to demonstrate the results of samples commitment to continuous improvement, the total Louisiana department of environmental quality permitted emission allowance for both of our units that emit ethylene oxide and lake Charles is 16.856 tons per year.

1253

03:03:51.600 --> 03:04:02.610

Elaine Acord: In 2020 R Eo emissions were 2.352 times this translates to just 13% of our permitted and he must do emission allowance.

1254

03:04:04.200 --> 03:04:07.080

Elaine Acord: For reference, the rise in emissions between.

1255

03:04:09.420 --> 03:04:15.420

Elaine Acord: was due to sasol bringing the ethylene oxide ethylene glycol unit online in May of 2019.

1256

03:04:16.830 --> 03:04:22.590

Elaine Acord: One might ask why do you have these higher level permitted allowances, when you are only emitting a fraction of that amount.

1257

03:04:23.400 --> 03:04:32.520

Elaine Acord: Fair question, the answer is when sasol completes the permitting process we conduct detailed calculations of many facility operating scenarios.

1258

03:04:32.850 --> 03:04:46.350

Elaine Acord: and account for several variables, such as weather events feedstock and power supply reliability and more our conservative permitting values reflect the highest potential emissions in various operating scenarios.

1259

03:04:47.610 --> 03:05:04.800



Elaine Acord: Nevertheless, what i'm hope I have demonstrated here is that permitted emission allowances for us it's hassle is the minimum standard and as evident in our actual permitted emissions we work every day to improve and minimize those emissions as much as possible.

1260

03:05:06.000 --> 03:05:14.760

Elaine Acord: And it doesn't stop there, we actively invest in research and product stewardship technologies to protect the health of our communities.

1261

03:05:15.090 --> 03:05:21.660

Elaine Acord: Going beyond regulations to continuously improve our safety shipping and handling practices.

1262

03:05:22.620 --> 03:05:33.300

Elaine Acord: Further sasol conducts regular internal audits, as well as integrity and efficiency testing of our mission control devices to ensure that these calculations are accurate.

1263

03:05:34.230 --> 03:05:48.720

Elaine Acord: One example we use a vapor control device to destroy Eo weber's admission points, the latest third party testing on the vapor control device indicates a 99.9% destruction rate efficiency.

1264

03:05:49.440 --> 03:05:57.270

Elaine Acord: This means that this admission control device destroys 99.9% of Vo vapors before it reaches that atmosphere.

1265

03:06:01.650 --> 03:06:13.890

Elaine Acord: So, in summary sasol is proud to be part of the southwest Louisiana Community for more than 20 years a place are more than 2000 employees contractors and business partners call home.

1266

03:06:14.760 --> 03:06:23.520

Elaine Acord: We will continue to prioritize safety and everything we do every day for ourselves, our families our Community and our company.

1267

03:06:24.780 --> 03:06:32.970

Elaine Acord: With this culture embedded in our workforce and our operations protocols we've safely handled or produce ethylene oxide, for more than 60 years of the site.

1268

03:06:33.780 --> 03:06:43.050

Elaine Acord: Complying with our permits is a minimum standard in our book and we strive to continuously improve this is evident in the actual emissions data I previously shared.

1269

03:06:44.430 --> 03:06:54.390

Elaine Acord: As this discussion progresses, we will continue to work with the EPA and the Louisiana department of environmental quality to protect the Community our employees and the environment.

1270

03:06:56.730 --> 03:07:12.750

Elaine Acord: Thank you again to our neighbors community leaders and regulatory partners, we welcome any questions you have related to social and our ethylene oxide operations and environmental performance Please submit them to the access i'll email address here, thank you.

1271

03:07:19.230 --> 03:07:30.180

Debora Browning: Thank you elaine elaine we do have a couple of questions that came in the chat box, would you be available to answer them or what they need to be forwarded to the chat part but to your email.

1272

03:07:30.930 --> 03:07:49.980

Elaine Acord: So we would ask that you for them to this email ask facile@us.com.

1273

03:07:56.640 --> 03:08:00.150

Debora Browning: fran I believe we're at the closing portion of our.

1274

03:08:01.860 --> 03:08:07.800

Debora Browning: Community meeting with West like tonight and sasol can you do the next slide please.

1275

03:08:31.170 --> 03:08:32.310

Debora Browning: fran are you there.

1276

03:08:38.850 --> 03:08:40.890

Frances Verhalen: Okay Deborah i'm trying hang on just a second.

1277

03:08:41.100 --> 03:08:41.760

Debora Browning: that's fine.

1278

03:08:42.930 --> 03:08:44.040

Frances Verhalen: Just having trouble.

1279

03:08:46.350 --> 03:08:46.770

Mrs. Bennett: Hello.

1280

03:08:48.120 --> 03:08:48.540

Frances Verhalen: Okay.

1281

03:08:50.070 --> 03:08:51.090

Mrs. Bennett: Good question for you go.

1282

03:08:52.710 --> 03:08:53.310

Debora Browning: Hello.

1283

03:08:54.120 --> 03:08:56.310

Mrs. Bennett: Yes, ma'am this is Dr megan.

1284

03:08:58.680 --> 03:09:08.550

Mrs. Bennett: We did wonderful report we received from Sasha and all the information we received the night about the chemicals, regardless of how great things are.

1285

03:09:09.630 --> 03:09:15.180

Mrs. Bennett: They are still eligible cure so many so many people and is all right.

1286

03:09:20.220 --> 03:09:21.630

Mrs. Bennett: don't put that in the report.

1287

03:09:22.710 --> 03:09:24.420

Mrs. Bennett: 302 million.

1288

03:09:25.710 --> 03:09:26.940

Mrs. Bennett: there's not even accurate.

1289

03:09:34.260 --> 03:09:46.740

Debora Browning: information will be passed on to sasol as well as the additional questions that have been asked in the chat box, so we really appreciate you making that comment.

1290

03:09:48.540 --> 03:09:50.520

Mrs. Bennett: But it's not just about that, oh no.

1291

03:09:51.690 --> 03:09:56.850

Mrs. Bennett: it's not just about that it's about all the refinery because all i'm doing is.

1292

03:09:58.470 --> 03:10:03.540

Mrs. Bennett: we're dealing with because we are in our Community alone.

1293

03:10:09.930 --> 03:10:10.380

Mrs. Bennett: Thank you.

1294

03:10:11.370 --> 03:10:13.020

Debora Browning: Sir, we appreciate your comments.

1295

03:10:14.070 --> 03:10:14.670

Gloria Vaughn: oprah.

1296

03:10:15.270 --> 03:10:17.550

Gloria Vaughn: Yes, Maria election and the tech.

1297

03:10:18.060 --> 03:10:20.190

Gloria Vaughn: For SAS i'll email.

1298

03:10:21.390 --> 03:10:35.370

Gloria Vaughn: And that correct the empty node address is ask as came at us dot SAS all the.com again that's ask.

1299

03:10:36.450 --> 03:10:40.590

Gloria Vaughn: US that says song.com.

1300

03:10:42.240 --> 03:10:51.120

Debora Browning: Thank you Gloria for bringing that to our attention, we appreciate it, and thank you, Sarah for sending the correct email address.

1301

03:10:52.110 --> 03:10:53.700

Frances Verhalen: super Can you see my screen.

1302

03:10:54.480 --> 03:10:56.700

Debora Browning: No ma'am we still cannot see your screen.

1303

03:10:57.870 --> 03:10:58.290

Frances Verhalen: Okay.

1304

03:10:58.800 --> 03:11:06.480

Debora Browning: that's Okay, I can I can post information in the chat box for everyone so basically we are to the.

1305

03:11:07.080 --> 03:11:30.960

Debora Browning: Ending portion of our Community meeting and again EPA would like to thank you for attending the meeting and we remind you to send the additional questions you have on ethylene oxide to our six ethylene oxide@epa.gov and I will post that again to the chat box for you.

1306

03:11:32.550 --> 03:11:33.540

Debora Browning: for you to have it.

1307

03:11:43.680 --> 03:12:06.450

Debora Browning: We also want to remind you, to be sure, and include your contact information with your question or comment because EPA will provide a written response back to you again, all these questions and answers will be posted on the EPA website for ethylene oxide once they are compiled and posted.

1308

03:12:07.890 --> 03:12:19.470

Debora Browning: And for those without computer access or would like to submit written questions or have verbal request for additional information they may be, they may contact Gloria von.

1309

03:12:21.780 --> 03:12:37.890

Debora Browning: Our API associate director for environmental justice, you can call her directly at 214-665-7535 and i've just posted her contact information in the chat box, for your use.

1310

03:12:42.510 --> 03:13:02.970

Debora Browning: I did have a comment here from Kimberly terrelle she'd like a response back to her question, as far as whether EPA reviewed sasol ethylene oxide documentation regarding recalculations and she provided the email Thank you Mr al and we will pass it on to.

1311

03:13:04.290 --> 03:13:06.420

Debora Browning: The appropriate office for responding.

1312

03:13:08.070 --> 03:13:20.490

Debora Browning: All news media inquiries should be directed to the EPA region six press office at our six press@epa.gov that's our six EPA.

1313

03:13:21.720 --> 03:13:49.590

Debora Browning: US me are six press@epa.gov again this concludes our meeting and this event has been recorded EPA will post the recording along with the Q and a's to the EPA region six websites for ethylene oxide written transcriptions will also be available and posted to the website.

1314

03:13:50.880 --> 03:13:58.500

Debora Browning: EPA really, really appreciates your participation in providing comments today.

1315

03:13:59.520 --> 03:14:07.920

Debora Browning: We also would like to thank our interpreters for their services, this evening, again, we thank you for participating in good evening.