

## Tonight's Agenda

- Air Monitoring & Managing Risk
- Portsmouth Site Update
- Co-located Air Monitoring Data
- Public Comments/Questions



## How to have your voice heard

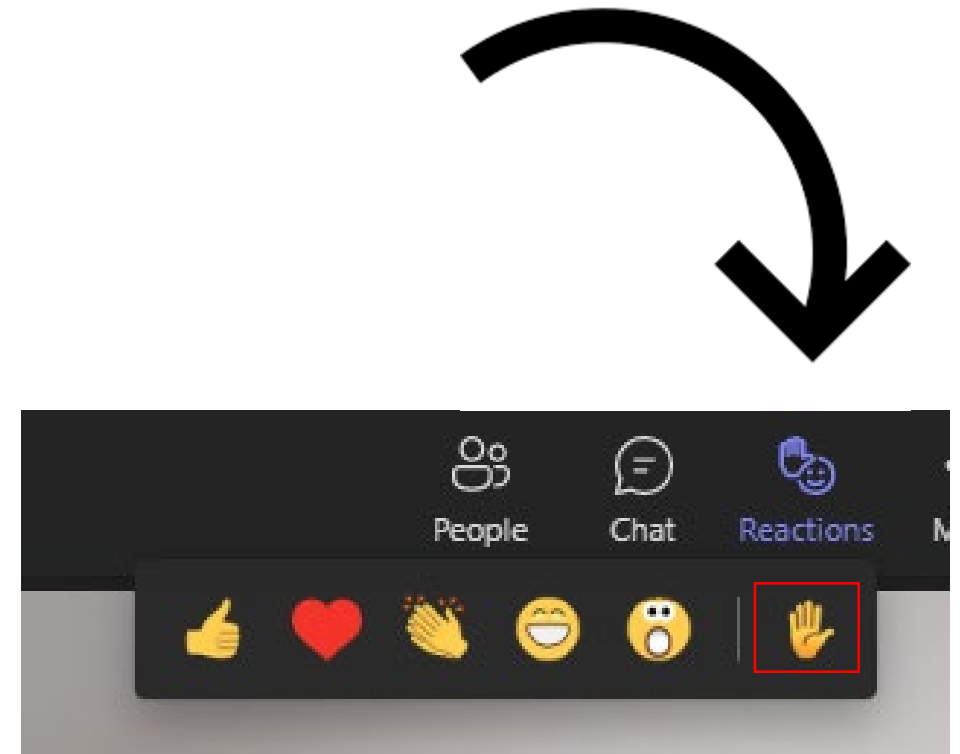
- Email: [ports-demo-questions@pppo.gov](mailto:ports-demo-questions@pppo.gov)
- Add a question via the chat on YouTube
- Add a question via the chat on Microsoft Teams
- Participate in the public comment session



Microsoft Teams



- Raise your hand to be identified
- Be courteous and respectful
- Keep comments to 3-4 minutes to allow all participants a chance to speak. Comments can also be submitted in writing
- To reduce background noise, speakers will be unmuted during their public comment and then returned to mute afterwards





# **Air Monitoring & Managing Risk**

Kathryn Higley, PhD, CHP, HPS Fellow

Professor





**Oregon State University**  
**College of Engineering**



***Kathryn A. Higley*** is a Professor, and former Head of the School of Nuclear Science and Engineering in the College of Engineering at Oregon State University. She is the Interim Director of the Center for Quantitative Life Sciences. She has managed OSU's Radiation Health Physics program, including developing its online graduate degree, into the largest in the country.

Dr. Higley has been at Oregon State University since 1994 teaching undergraduate and graduate classes on radioecology, dosimetry, radiation protection, radiochemistry, and radiation biology. She is also a council member of the National Council on Radiation Protection. She is a board member and fellow of the Health Physics Society and a Certified Health Physicist. Dr. Higley and her students have done research in radiologically contaminated environments around the globe.



**Oregon State University**  
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**Employment**

**Risk  
Varies**

**Home Life**



**Recreation**



Safety regulations vary,  
based on type of activity

# Close-in and distant monitoring are used, for radioactivity and airborne releases

- Example from decommissioning at another DOE site→
- “Bullseye” pattern
  - Highest concentrations generally close-in to ongoing work
- At PORTS
  - Multiple **movable** monitors follow work activity
  - Protecting public and environment (lower concentrations), may require longer sampling times and use of **fixed** monitor locations

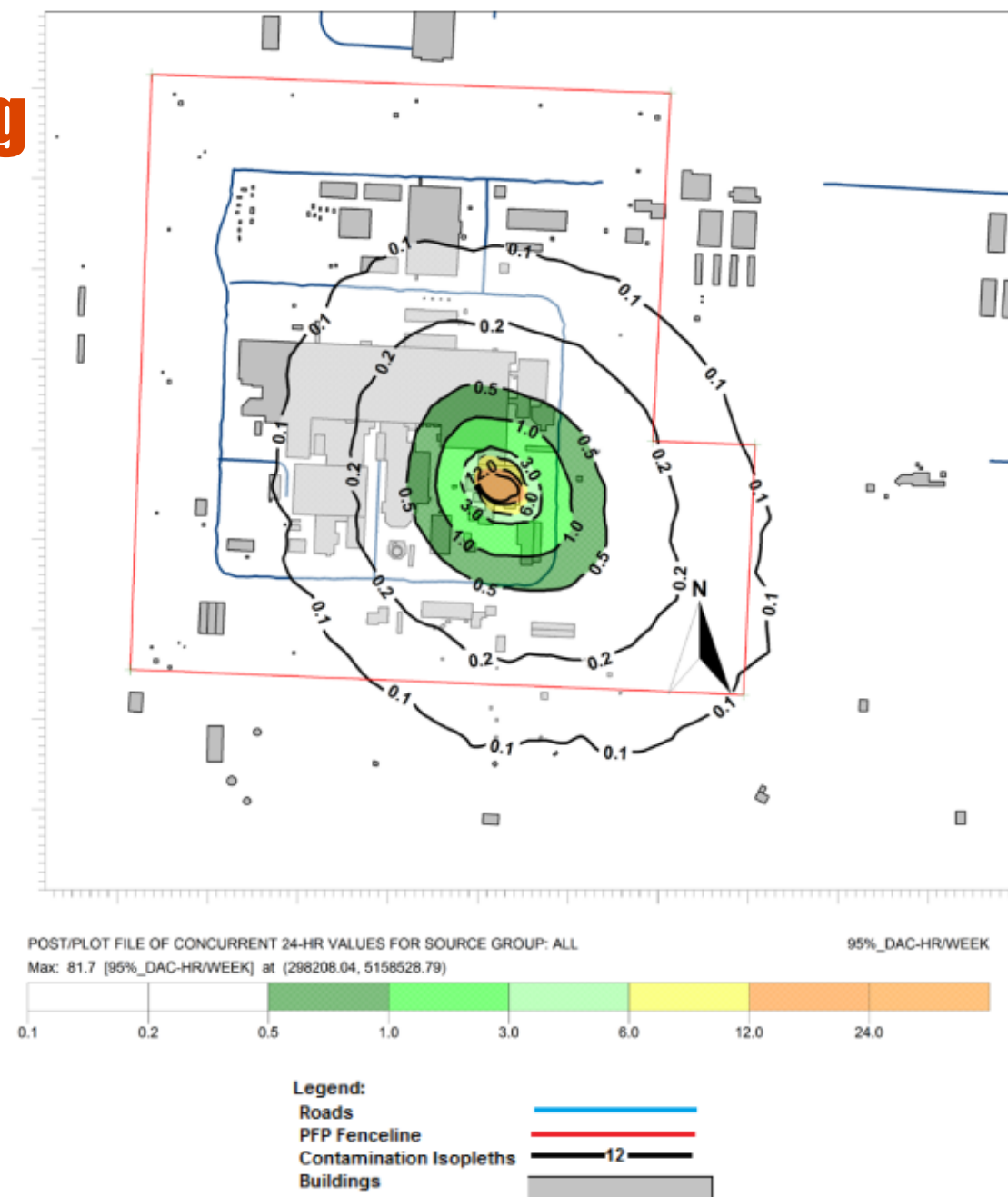


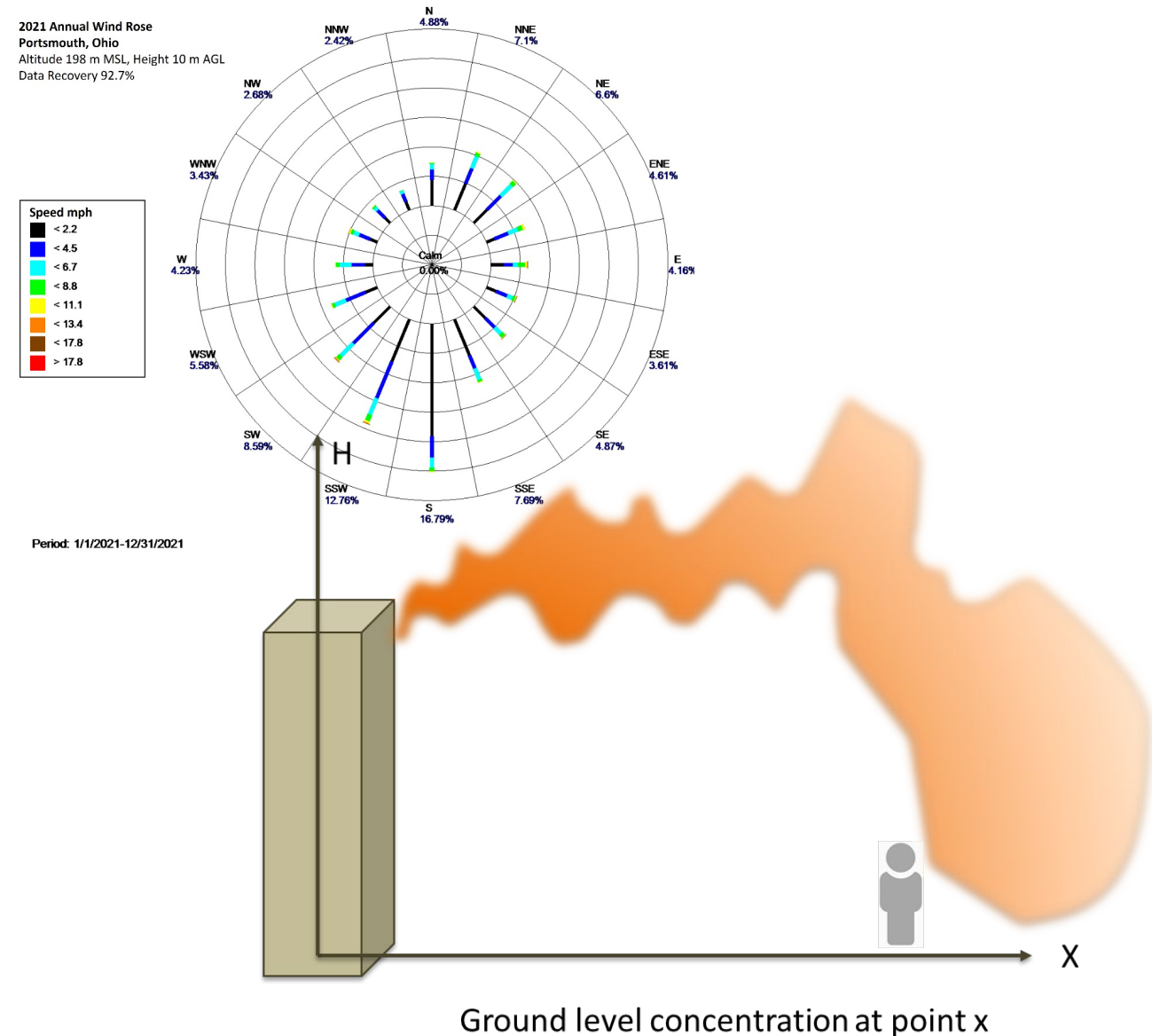
Figure S.2. Predicted Weekly Air Exposure (DAC-hr/week) 95<sup>th</sup> Percentile Values for 236Z Rubble Pile Removal for the 60-day Removal Option





# Placing air monitors

- Windrose shows most common directions and wind speeds
- How far from the release should monitors be located?
  - Computer models predict locations
  - Sampling locations assess and confirm





# Exposure Times & Limits

- Occupational:
  - 40+ hour per week exposure
  - Age ~ 18 – 70 years
- Public:
  - Assume up to 24-hour continuous exposure
  - All ages and includes at risk or sensitive groups (very young or very old)
- Result:
  - Different exposure limits for each group
  - Public limits lower (10% to 0.2%)



# What's being sampled



Metals	Radionuclides
Antimony	Americium-241
Arsenic	Neptunium-237
Beryllium	Plutonium-238
Cadmium	Plutonium-239/240
Chromium	Thorium-228
Cobalt	Thorium-230
Lead	Thorium-232
Manganese	Total Uranium
Mercury	Uranium-233/234
Nickel	Uranium-235/236
Selenium	Uranium-238
Asbestos	Technetium-99
Volatile organic compounds	

# PERIODIC TABLE OF ELEMENTS

1  
**H**  
Hydrogen  
Nonmetal

3  
**Li**  
Lithium  
Metal

4  
**Be**  
Beryllium  
Metal

11  
**Na**  
Sodium  
Metal

12  
**Mg**  
Magnesium  
Metal

19  
**K**  
Potassium  
Metal

20  
**Ca**  
Calcium  
Metal

21  
**Sc**  
Scandium  
Metal

22  
**Ti**  
Titanium  
Metal

23  
**V**  
Vanadium  
Metal

24  
**Cr**  
Chromium  
Metal

25  
**Mn**  
Manganese  
Metal

26  
**Fe**  
Iron  
Metal

27  
**Co**  
Cobalt  
Metal

28  
**Ni**  
Nickel  
Metal

29  
**Cu**  
Copper  
Metal

30  
**Zn**  
Zinc  
Metal

31  
**Ga**  
Gallium  
Metal

32  
**Ge**  
Germanium  
Metalloid

33  
**As**  
Arsenic  
Metalloid

34  
**Se**  
Selenium  
Nonmetal

35  
**Br**  
Bromine  
Nonmetal

36  
**Kr**  
Krypton  
Noble Gas

37  
**Rb**  
Rubidium  
Metal

38  
**Sr**  
Strontium  
Metal

39  
**Y**  
Yttrium  
Metal

40  
**Zr**  
Zirconium  
Metal

41  
**Nb**  
Niobium  
Metal

42  
**Mo**  
Molybdenum  
Metal

43  
**Tc**  
Technetium  
Metal

44  
**Ru**  
Ruthenium  
Metal

45  
**Rh**  
Rhodium  
Metal

46  
**Pd**  
Palladium  
Metal

47  
**Ag**  
Silver  
Metal

48  
**Cd**  
Cadmium  
Metal

49  
**In**  
Indium  
Metal

50  
**Sn**  
Tin  
Metal

51  
**Sb**  
Antimony  
Metalloid

52  
**Te**  
Tellurium  
Metalloid

53  
**I**  
Iodine  
Nonmetal

54  
**Xe**  
Xenon  
Noble Gas

55  
**Cs**  
Cesium  
Metal

56  
**Ba**  
Barium  
Metal

57  
**La**  
Lanthanum  
Metal

58  
**Ce**  
Cerium  
Metal

59  
**Pr**  
Praseodymium  
Metal

60  
**Nd**  
Neodymium  
Metal

61  
**Pm**  
Promethium  
Metal

62  
**Sm**  
Samarium  
Metal

63  
**Eu**  
Europium  
Metal

64  
**Gd**  
Gadolinium  
Metal

65  
**Tb**  
Terbium  
Metal

66  
**Dy**  
Dysprosium  
Metal

67  
**Ho**  
Holmium  
Metal

68  
**Er**  
Erbium  
Metal

69  
**Tm**  
Thulium  
Metal

70  
**Yb**  
Ytterbium  
Metal

71  
**Lu**  
Lutetium  
Metal

72  
**Hf**  
Hafnium  
Metal

73  
**Ta**  
Tantalum  
Metal

74  
**W**  
Tungsten  
Metal

75  
**Re**  
Rhenium  
Metal

76  
**Os**  
Osmium  
Metal

77  
**Ir**  
Iridium  
Metal

78  
**Pt**  
Platinum  
Metal

79  
**Au**  
Gold  
Metal

80  
**Hg**  
Mercury  
Metal

81  
**Tl**  
Thallium  
Metal

82  
**Pb**  
Lead  
Metal

83  
**Bi**  
Bismuth  
Metal

84  
**Po**  
Polonium  
Metal

85  
**At**  
Astatine  
Metal

86  
**Rn**  
Radon  
Noble Gas

87  
**Fr**  
Francium  
Metal

88  
**Ra**  
Radium  
Metal

89  
**Ac**  
Actinium  
Metal

90  
**Th**  
Thorium  
Metal

91  
**Pa**  
Protactinium  
Metal

92  
**U**  
Uranium  
Metal

93  
**Np**  
Neptunium  
Metal

94  
**Pu**  
Plutonium  
Metal

95  
**Am**  
Americium  
Metal

96  
**Cm**  
Curium  
Metal

97  
**Bk**  
Berkelium  
Metal

98  
**Cf**  
Californium  
Metal

99  
**Es**  
Einsteinium  
Metal

100  
**Fm**  
Fermium  
Metal

101  
**Md**  
Mendelevium  
Metal

102  
**No**  
Nobelium  
Metal

103  
**Lr**  
Lawrencium  
Metal

2  
**He**  
Helium  
Noble Gas

10  
**Ne**  
Neon  
Noble Gas

18  
**Ar**  
Argon  
Noble Gas

36  
**Kr**  
Krypton  
Noble Gas

54  
**Xe**  
Xenon  
Noble Gas

86  
**Rn**  
Radon  
Noble Gas

118  
**Og**  
Oganesson  
Noble Gas

5  
**B**  
Boron  
Metalloid

6  
**C**  
Carbon  
Nonmetal

7  
**N**  
Nitrogen  
Nonmetal

8  
**O**  
Oxygen  
Nonmetal

9  
**F**  
Fluorine  
Nonmetal

13  
**Al**  
Aluminum  
Metal

14  
**Si**  
Silicon  
Metalloid

15  
**P**  
Phosphorus  
Nonmetal

16  
**S**  
Sulfur  
Nonmetal

17  
**Cl**  
Chlorine  
Nonmetal

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Gallium  
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**Pb**  
Lead  
Metal

83  
**Bi**  
Bismuth  
Metal

84  
**Po**  
Polonium  
Metal

85  
**At**  
Astatine  
Metal

113  
**Nh**  
Nihonium  
Metal

114  
**Fl**  
Flerovium  
Metal

115  
**Mc**  
Moscovium  
Metal

116  
**Lv**  
Livermorium  
Metal

117  
**Ts**  
Tennessine  
Metal

118  
**Og**  
Oganesson  
Noble Gas

Atomic Number

Symbol

Name

Chemical Group Block

PubChem

# Potential Sources

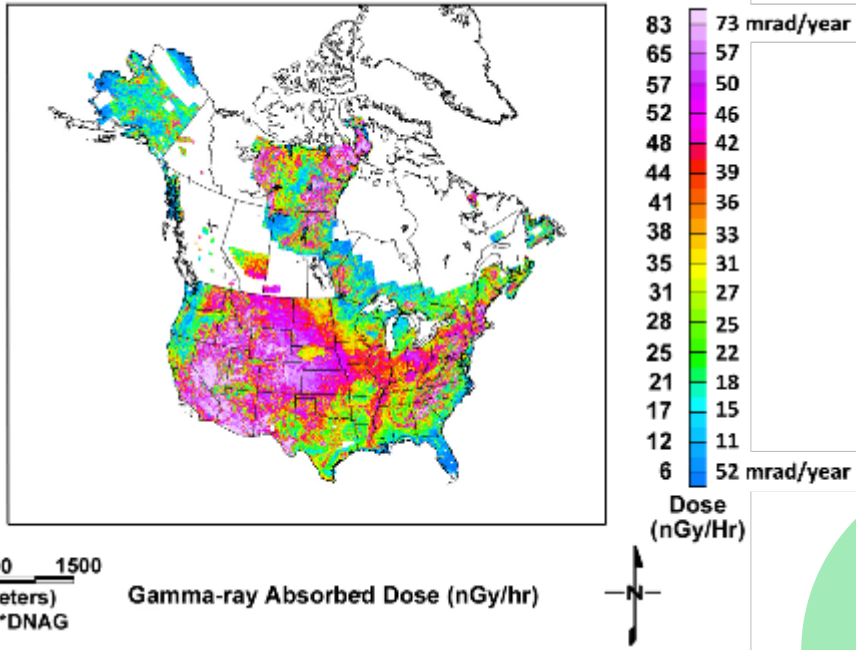


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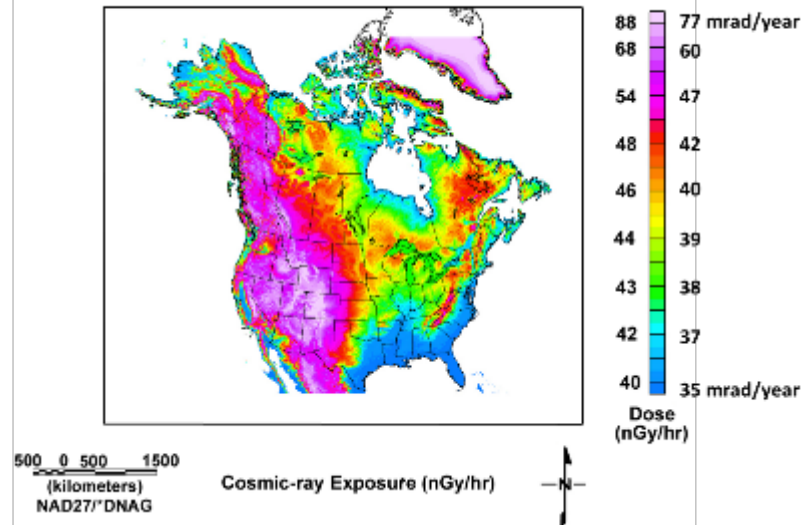
- Metals
  - Geochemical (natural)
  - Human caused: electronics, coal plants, vehicle exhaust
- Radionuclides
  - Uranium (natural, mining, fertilizers, nuclear...)
  - Technetium (fallout, nuclear)
- Other
  - Asbestos (natural and technology)
  - Volatile organics (autos, factories, fires..)



## Radiation Dose from Natural Radioactivity in Soils



## Radiation doses coming from outer space (annual average)



# Radiation Sources & Doses for the Public

Natural  
~ 300  
mrem/yr

Background:  
~ 600  
mrem/yr

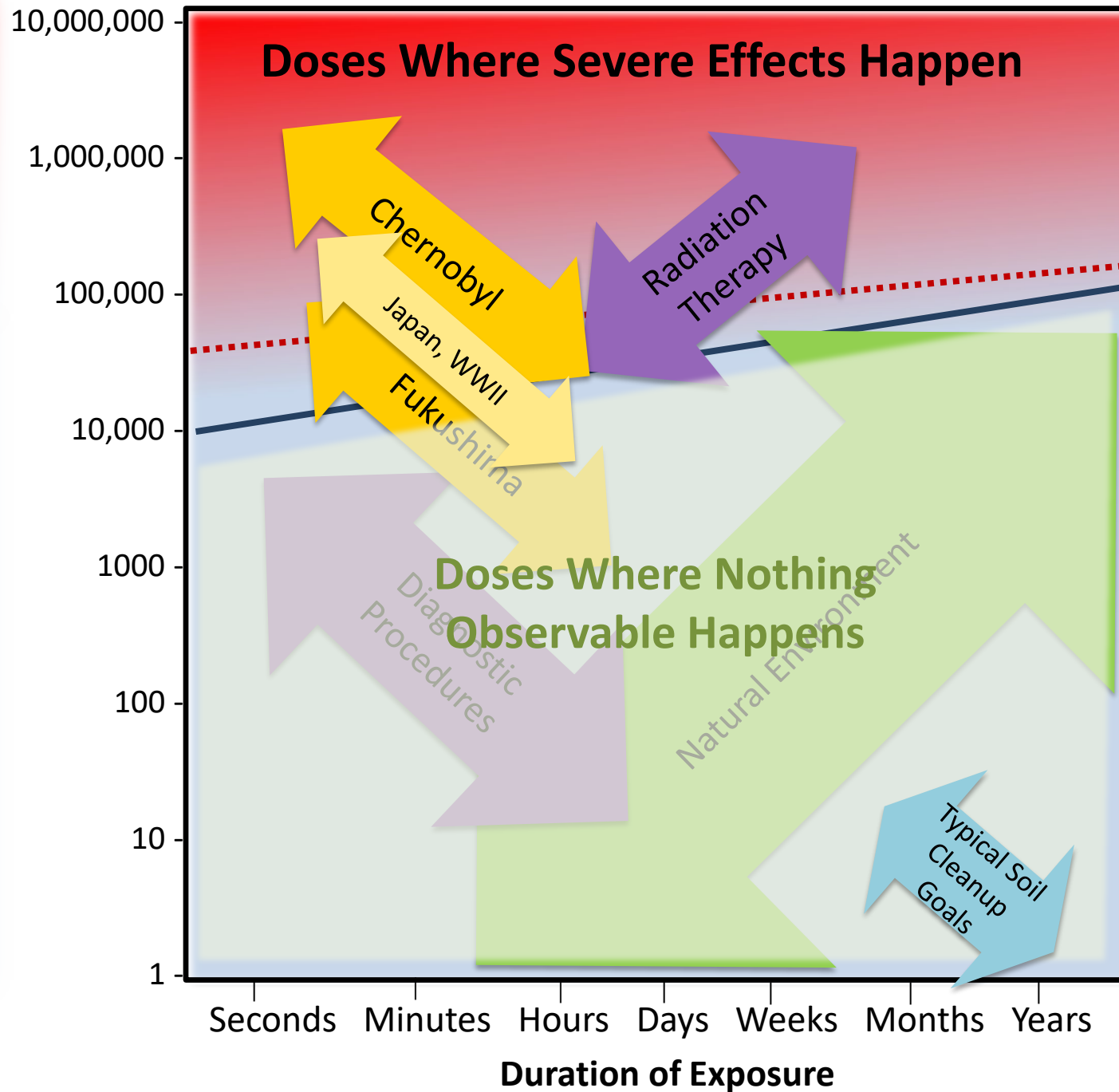
Medical  
~ 300  
mrem/yr

PORTS  
public dose  
~ 1  
mrem/yr



Absorbed  
Dose,  
mrad

Effective  
Dose,  
mrem



Dose Region  
Where Effects Are  
Observed

Dose Region  
Where Effects  
Are Calculated  
Using  
Mathematical  
Models

- Medical
- Other
- Environmental

# How to Achieve this Endpoint



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## The requirements

- Protect workers
- Protect the public
- Protect the environment

## The process

- Review, analyze, plan, implement
  - Pick monitoring locations for safety & relevance
  - Decontaminate & decommission & deconstruct
  - Release for redevelopment



# Summary



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- Acceptable / regulated risk varies
  - Work
  - Play
  - General living
- The goal of remediation
  - Not to eliminate all risk from site
  - Reduces risk to acceptable level for workers, public and environment
  - Safety is always part of the consideration
- Thank you!





# Portsmouth Site Update





## Jeremy Davis, Acting Portsmouth Site Lead



- 20 years of experience in the nuclear industry
- Life-long resident of Pike County
- B.S. Natural Sciences of Biology, Chemistry and Geology
- Experience:
  - Project Management
  - Environmental Compliance
  - Hazardous Waste Management
  - Environmental Program Integration and Facility Oversight
- Certified Hazardous Material Manager and Project Management Professional



# Portsmouth Site History

- 3,700-acre federal site
- Uranium enrichment operations started in 1954
- DOE cleanup mission began in 1989
- Full-scale D&D began in 2010

## COLD WAR

1954-1989

- Nuclear Defense

## POST COLD WAR

1989-2001

- Commercial Nuclear Power
- Environmental Cleanup

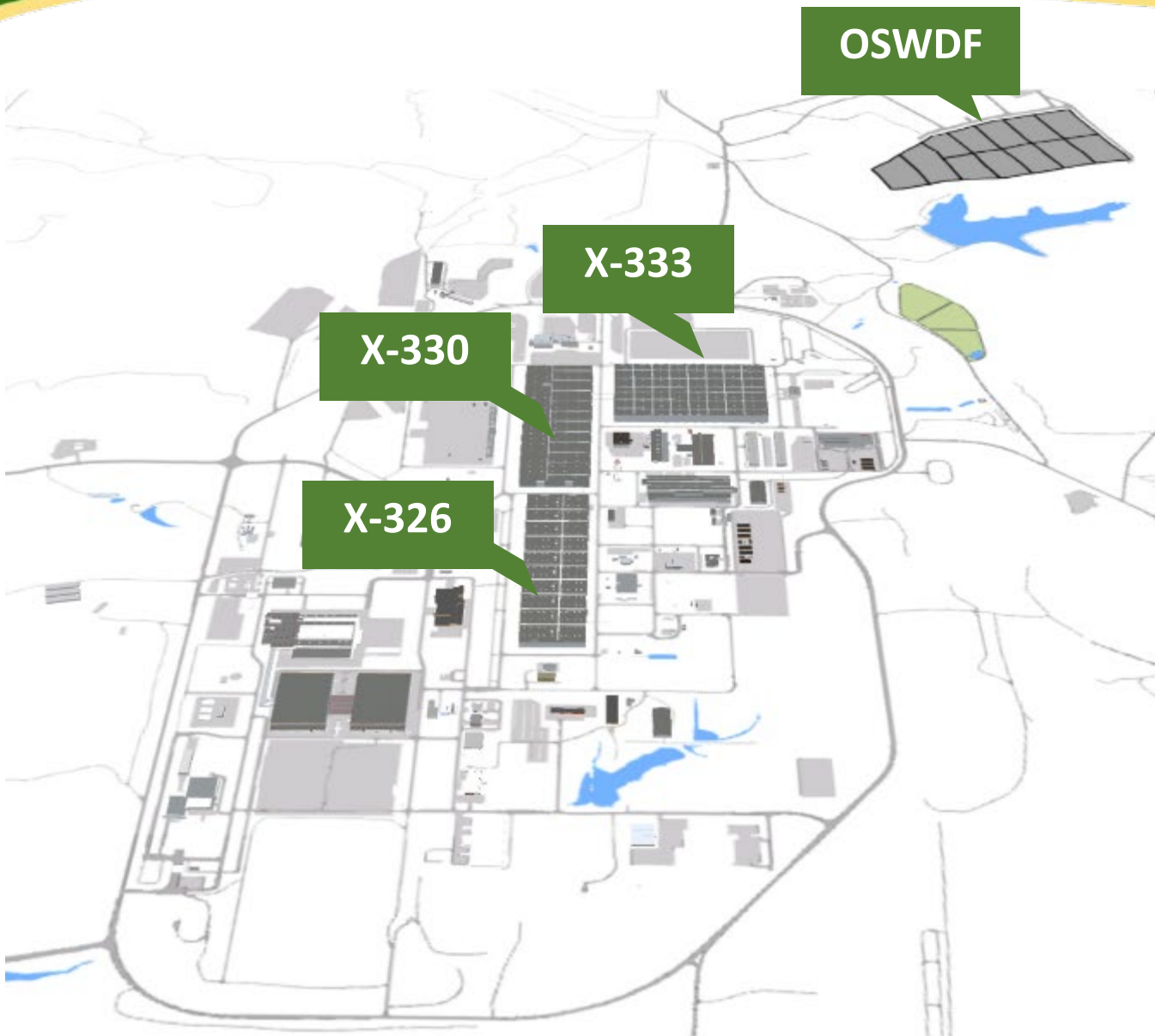
## CLEANUP

2001-Current

- Environmental Cleanup
- Decontamination & Decommissioning
- Property Transfer & Reuse



## Portsmouth Ten Year Deactivation, Demolition and Cleanup Focus



- Complete deactivation and demolition of X-326, X-333 and X-330 Process Buildings
- Complete construction of On Site Waste Disposal Facility (OSWDF) cells to support disposal of demolition debris
- Excavate landfills and plumes within Perimeter Road for OSWDF fill and provide contiguous land for future economic development
- Transfer land to the Southern Ohio Diversification Initiative (SODI) for reuse



- A safe and methodical demolition plan, approved by Ohio EPA
- Lessons learned from decommissioning experience at DOE projects across the country
- Hazards removed from the building to make it safe for demolition
- Trained, experienced and capable workforce
- Protective measures to minimize disturbance of any residual radiological or chemical contaminants during demolition
- Robust environmental monitoring program





# X-326 Process Building Demolition and Cleanup

- Demolition began in May 2021
- Structural demolition completed June 10, 2022
- Debris generated ~135,000 cubic yards of debris, which is being size reduced and sent to the OSWDF for disposal





# Contaminated Plume Excavation

- Provides compaction fill for debris disposal at OSWDF
- Leaves behind more acreage for site redevelopment

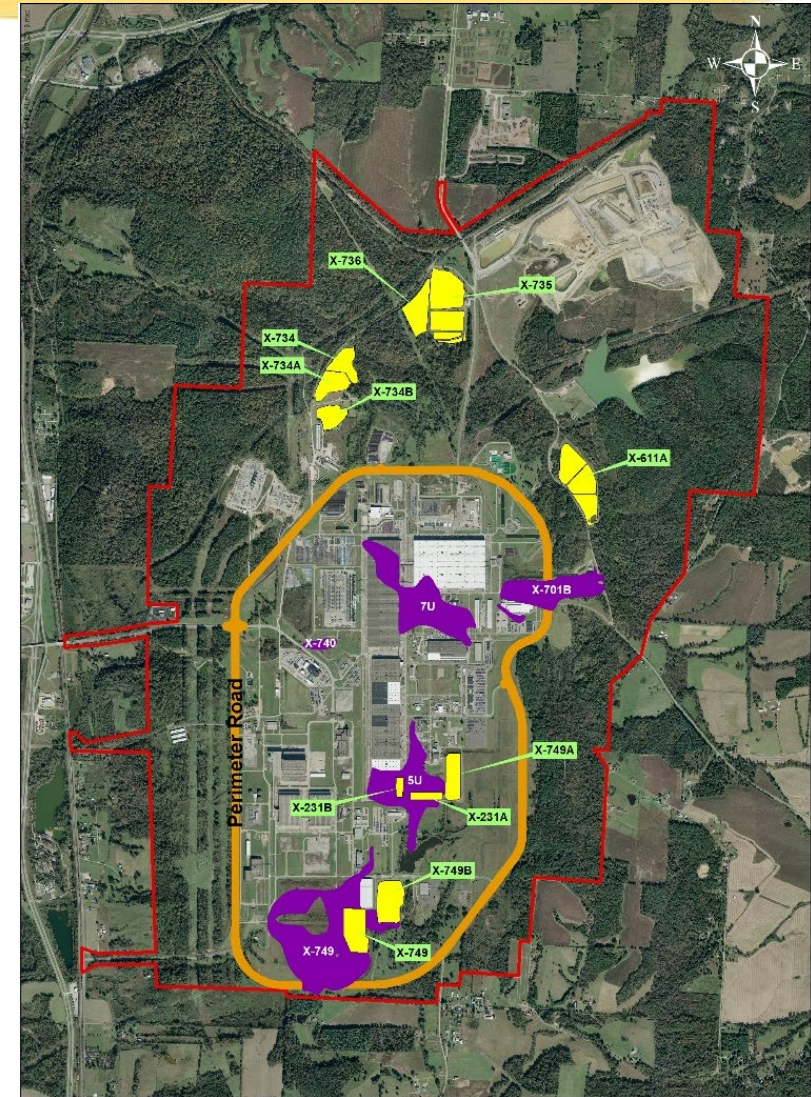


## X-740 Plume Excavation

- Excavation complete
- Delivered 40,000 cubic yards of soil/fill to the OSWDF

## X-231B Plume Excavation

- In progress
- Excavation anticipated to be complete Summer 2022



### Legend

- Landfills
- Groundwater Plumes

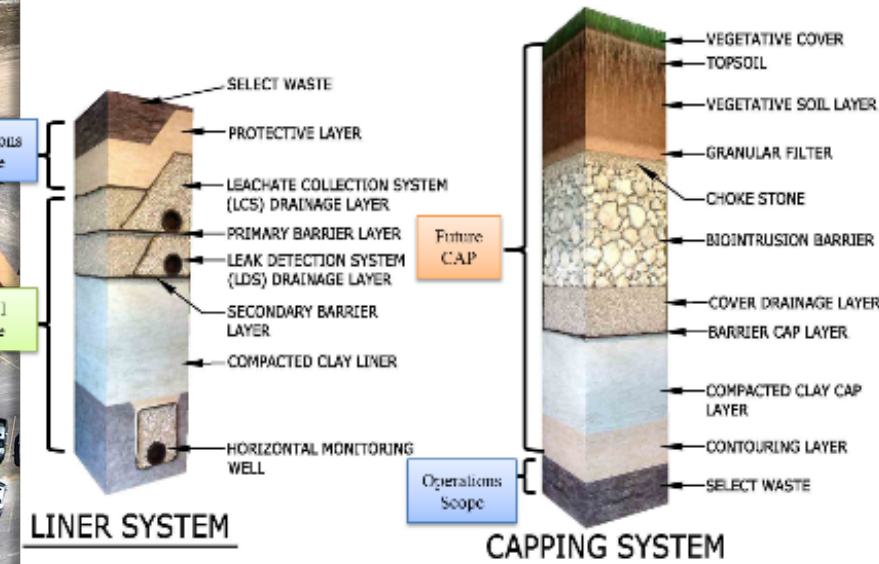
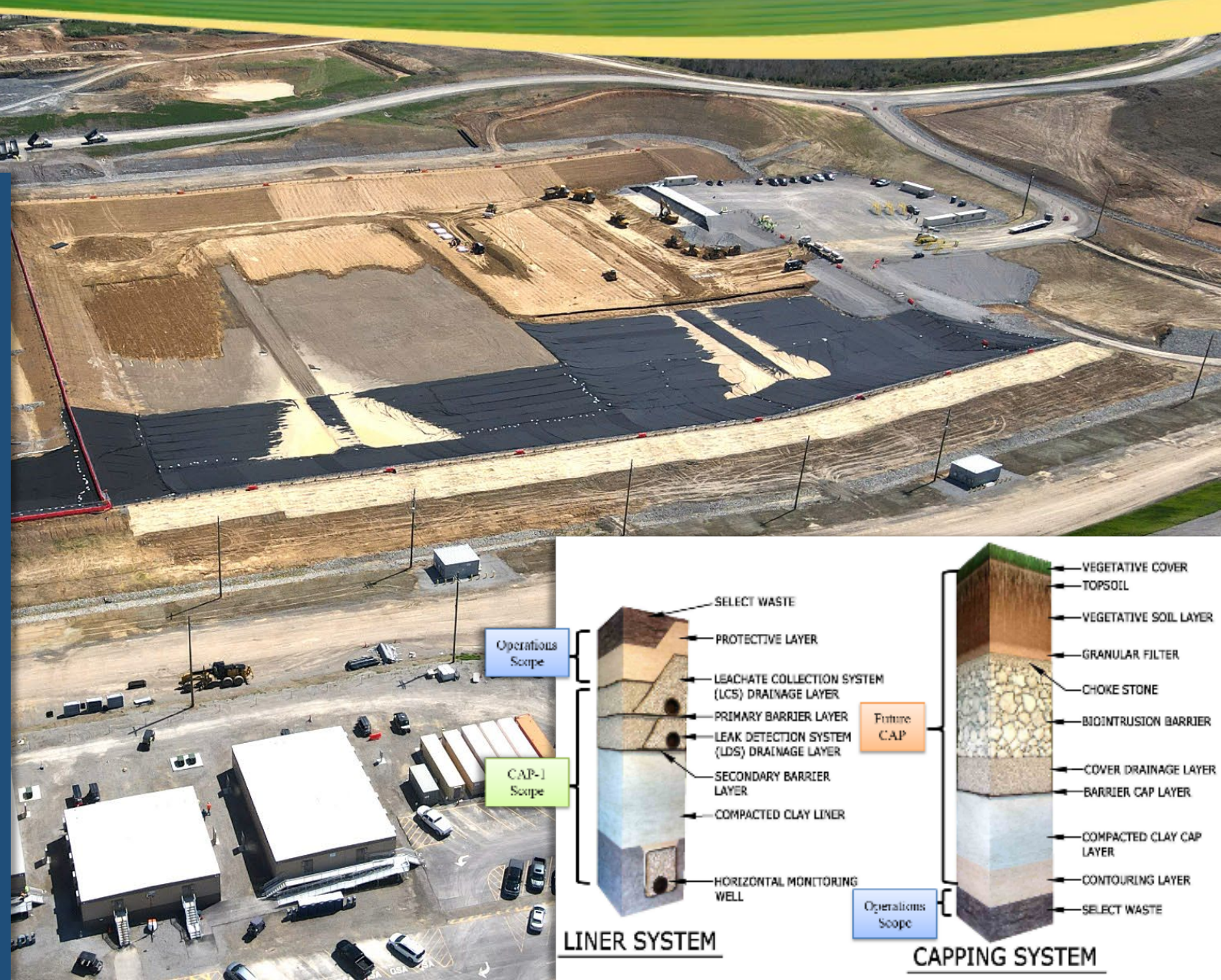
0 2,500 5,000 Feet





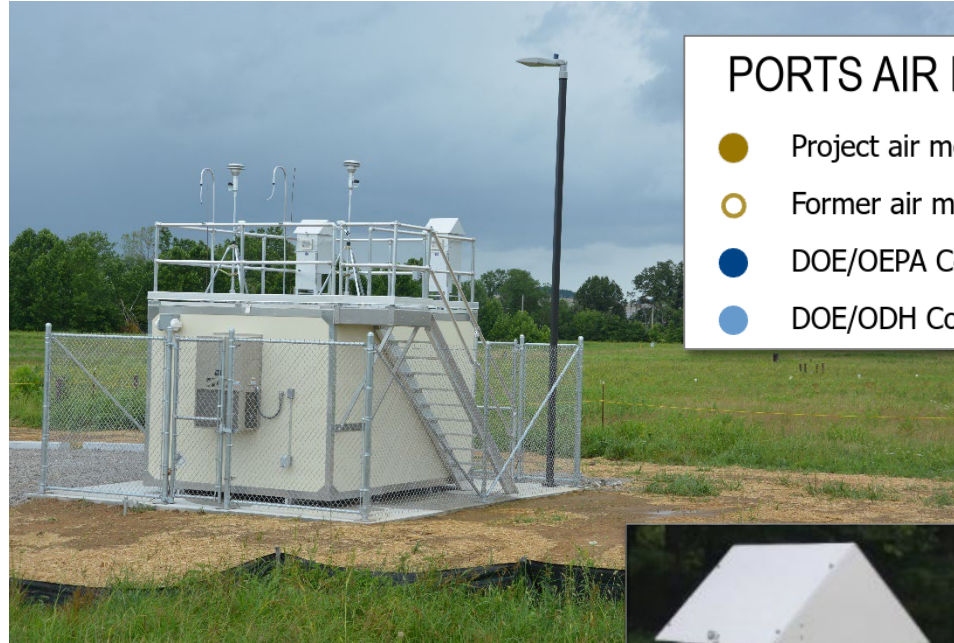
# On-Site Waste Disposal Facility

- The **OSWDF** is a specially engineered disposal site with a multi-layer liner and cap system designed to consolidate demolition debris and rubble into one centralized confined space that protects public health and the environment
- Accommodates more than 5M cubic yards of waste and engineered fill
- Divided into individual cells (12). One process building takes up approximately 3 cells



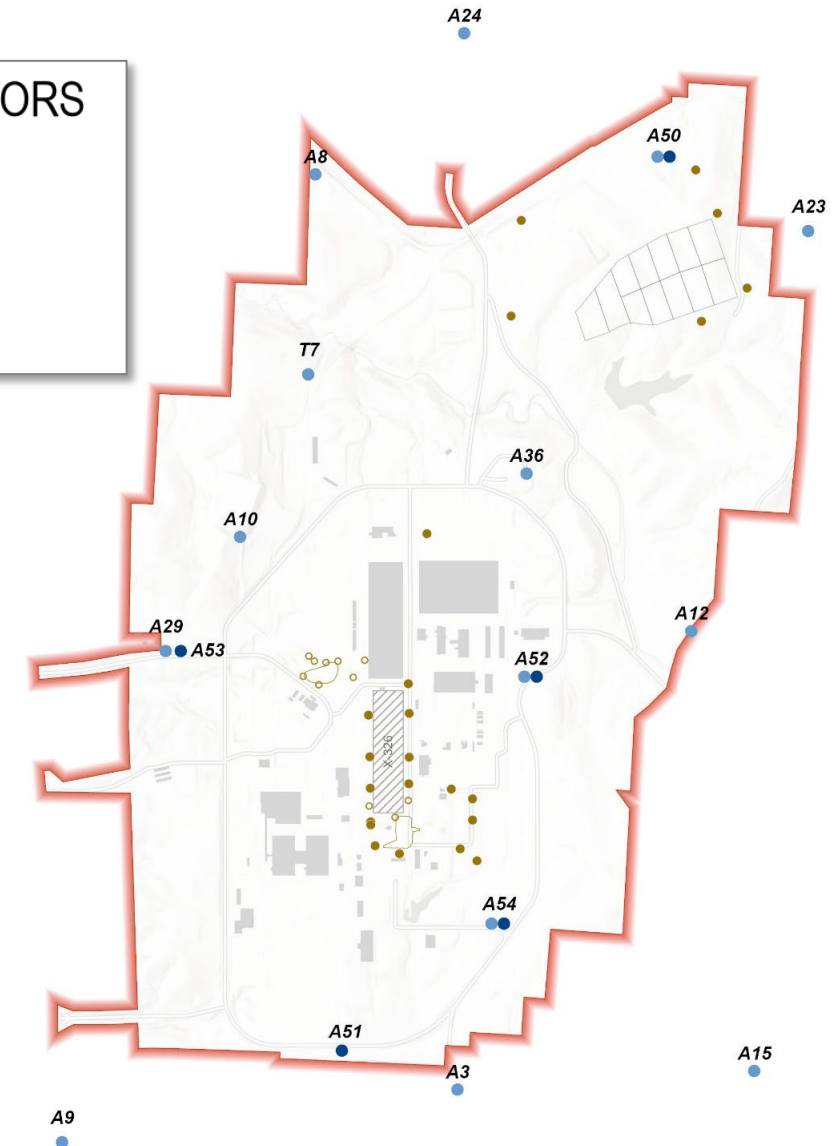


- 180 air monitors located on and off site to ensure that the project maintains control of dust generated during demolition and disposal activities
- Monitors measure radiological and non-radiological particulates
- Results are measured at varying intervals, including real-time



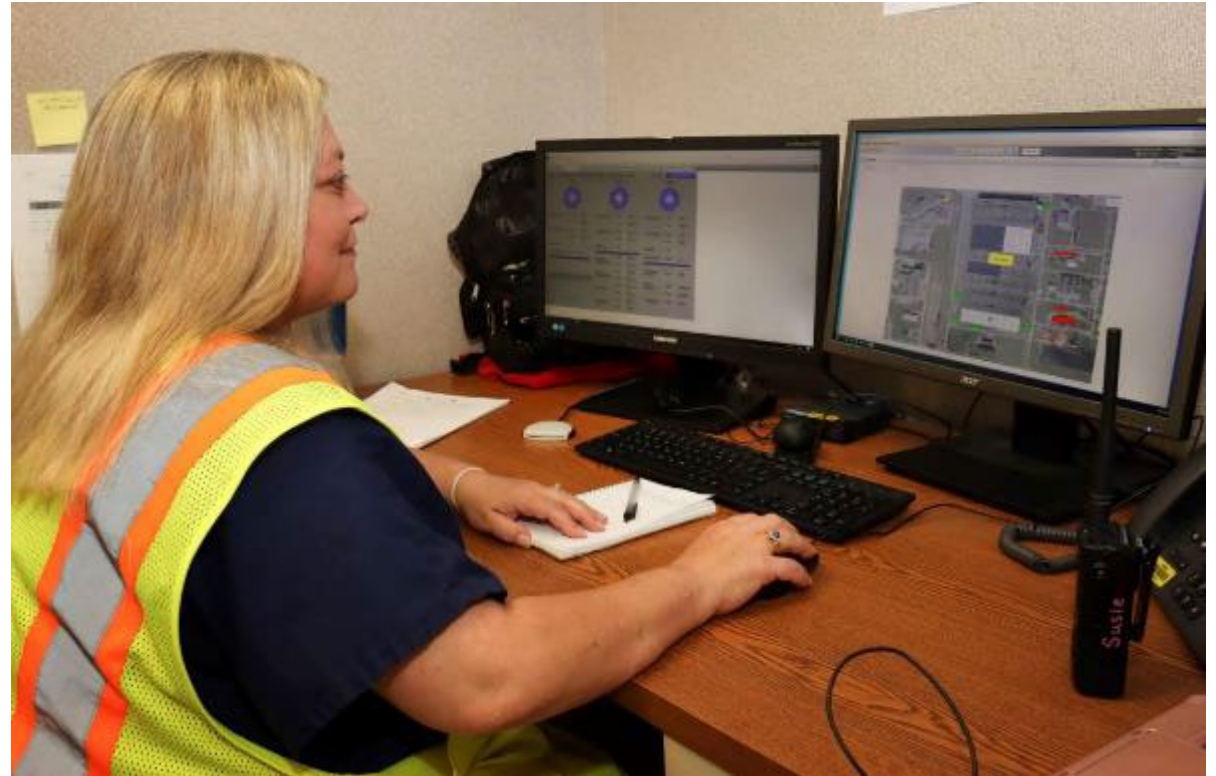
## PORTS AIR MONITORS

- Project air monitor
- Former air monitor
- DOE/OEPA Co-located
- DOE/ODH Co-located



# Real-Time Air Monitoring Approach

- Real-Time Monitoring provides the first line of defense
- Thresholds are established so emissions at the project boundary meet established limits, these thresholds provide assurance that limits at the property boundary will be safe and compliant
- This provides the ability to immediately react to field activity to adjust operations or apply additional controls
- Weather conditions are also monitored real-time to ensure activities are conducted within acceptable conditions





## X-326 Process Building Real-Time Monitoring Trends to Date

- Results shared with the public:
  - Weekly, Monthly, Quarterly - [www.portsdemo.com](http://www.portsdemo.com)
  - Annually with the Site Environment Report – <http://eic.ports.pppo.gov>
- Independent verification of data from Ohio EPA and Ohio Department of Health



**Data recorded to-date  
indicate safe control of  
fugitive dust and other  
contaminants of concern**



# X-333 Process Building Deactivation

- The next building to be demolished, it is the largest of the three process buildings (66 acres of floor space)
- The material sizing area is performing steady-state operations of large component disassembly for safe placement in the OSWDF





# Depleted Uranium Hexafluoride Conversion

## DUF6 Mission

Convert DOE's inventory of DUF<sub>6</sub>, produced during uranium enrichment, into a more stable uranium oxide for:

- Reuse
- Storage
- Transportation
- Disposition

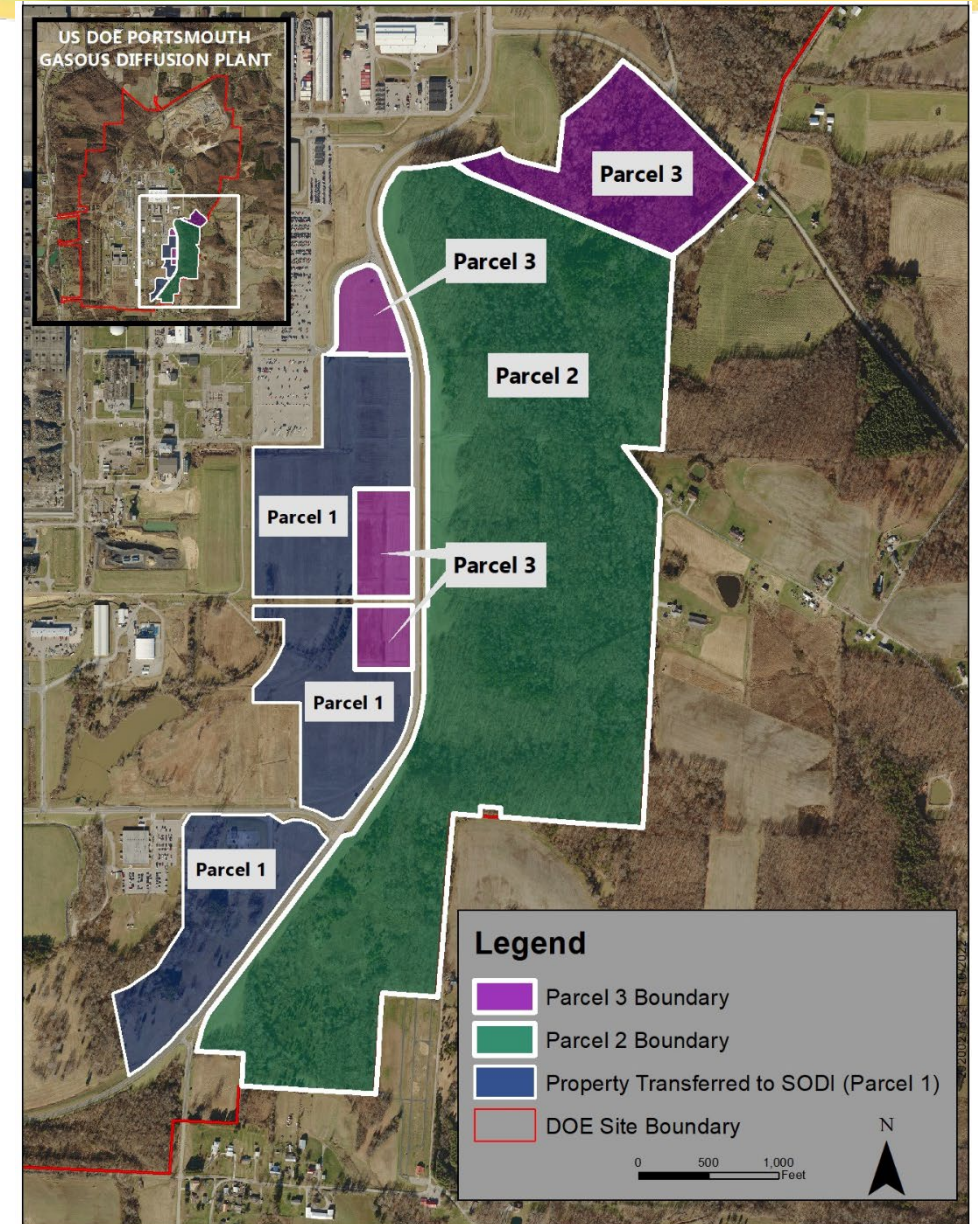




# Future of Portsmouth Site

## Site Reuse

- DOE is implementing a systematic approach to turn over parcels of land from the Portsmouth Site for potential reuse by private industry
- The parcels are transferred to the Southern Ohio Diversification Initiative (SODI), the recognized Community Reuse Organization
  - Parcel 1 – 80 acres
  - Parcel 2 – 227 acres
  - Parcel 3 – 48 acres
- SODI is working to find industries/companies interested





# Community Commitment Plan

- The Community Commitment Plan (CCP) is part of Fluor-BWXT's D&D contract at Portsmouth.
- Focus on four main areas:
  - Educational Outreach
  - Regional Purchasing
  - Community Giving
  - Economic Development



## CCP Impact\*

- **16,000** students have participated in educational outreach programs.
  - **\$550M** has been committed to local companies for goods and services.
  - **\$2.9M** has been donated by Fluor-BWXT and employees to local charitable organizations.
  - **\$4.9M** has been invested to create or retain jobs.
- \*Since 2011



# **X-326 Process Building Demolition Air Monitoring Data Results**

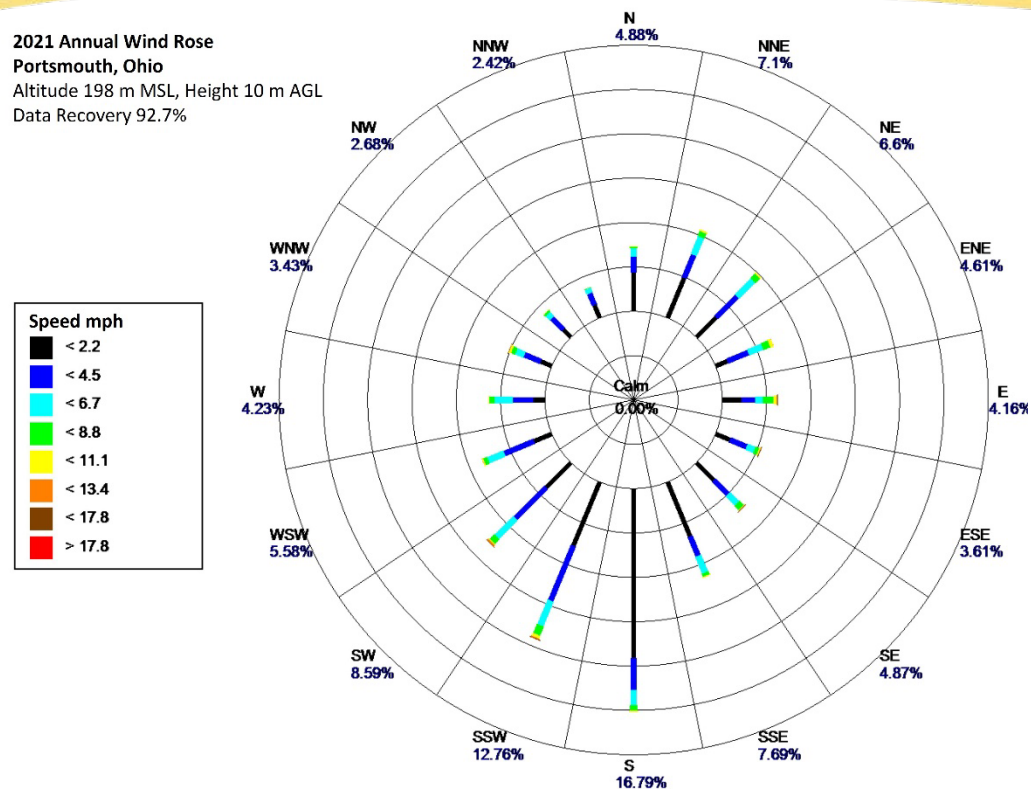
## Frank Johnston, Director of Environmental Protection Fluor-BWXT Portsmouth



- 37 years experience
- Experienced in Environmental Management and Compliance:
  - Remedial Design/Remedial Action Implementation and Compliance
  - Environmental Management Systems
  - Environmental Permitting
- Experienced in the design, startup and operation of:
  - Remedial Response Actions
  - Air Emission Control Systems
  - Industrial and Municipal Wastewater Treatment Facilities
- B.S. Chemical Engineering
- Masters Business Administration

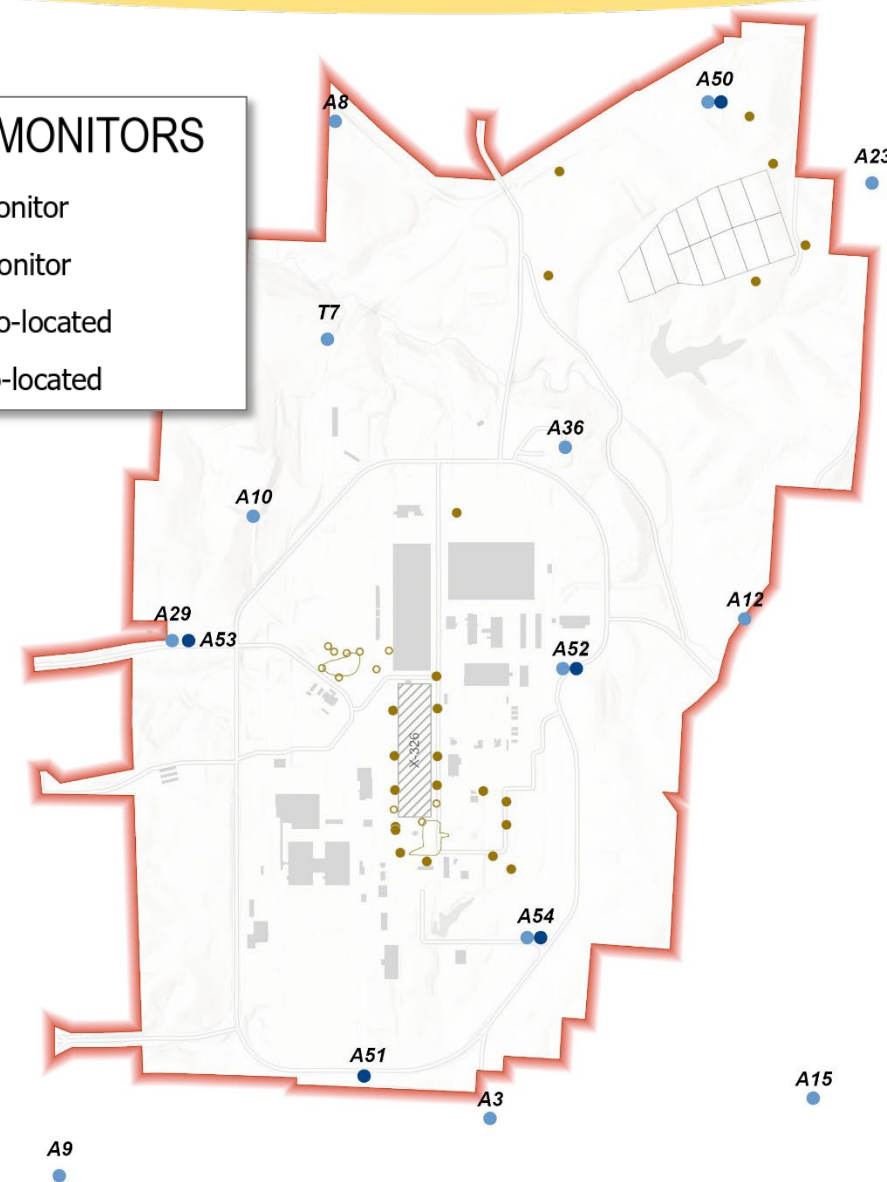


2021 Annual Wind Rose  
Portsmouth, Ohio  
Altitude 198 m MSL, Height 10 m AGL  
Data Recovery 92.7%



## PORTS AIR MONITORS

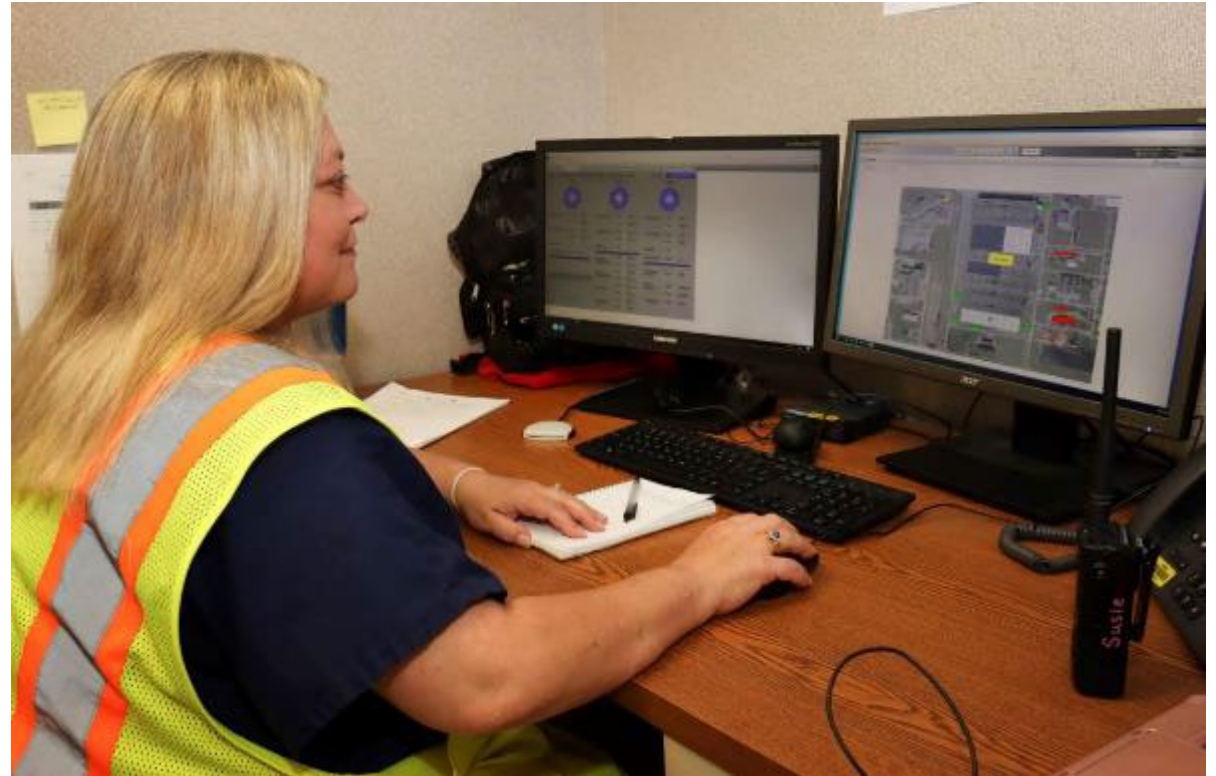
- Project air monitor
- Former air monitor
- DOE/OEPA Co-located
- DOE/ODH Co-located



Using input from the community, DOE lessons learned, industry best practices, meteorological data, and air modeling, the Portsmouth site Air Monitoring Network provides a layering of air monitoring equipment from the project boundary to off-site locations.

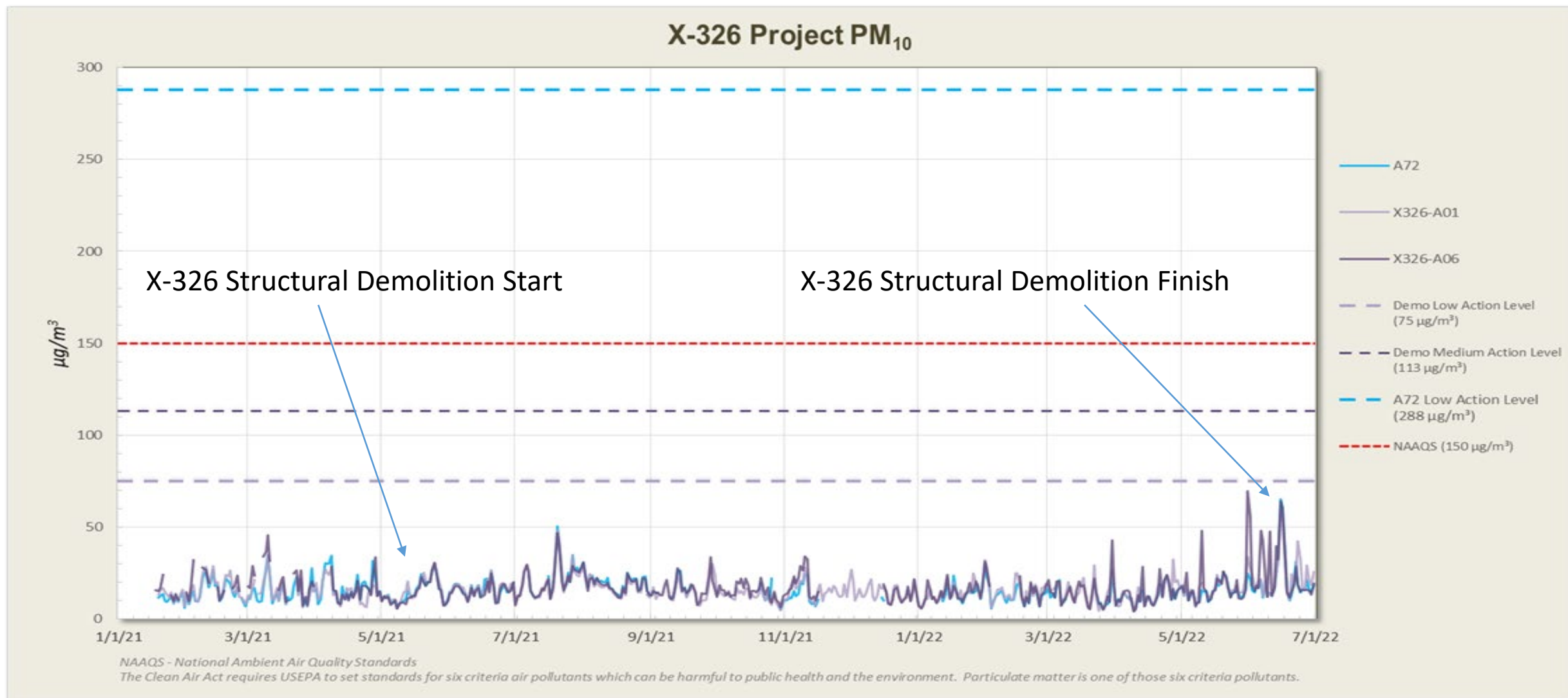
# Real Time Air Monitoring Approach

- Real Time Monitoring provides the first line of defense.
- Thresholds are established so emissions at the project boundary meet established limits then assurance is provided that limits at the property boundary will be safe and compliant.
- This provides the ability to immediately react to field activity to adjust operations or apply additional controls.
- Weather conditions are also monitored real-time to ensure activities are conducted within acceptable conditions



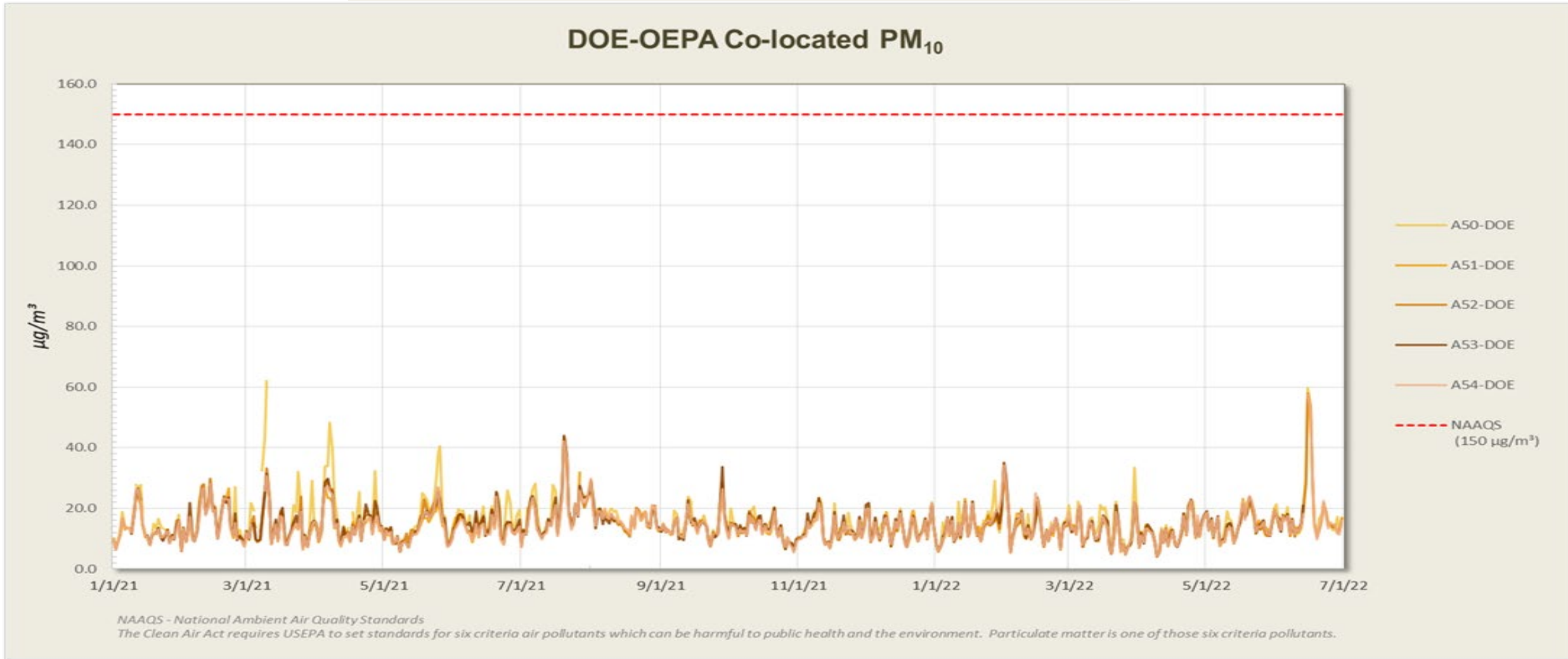


## X-326 Demolition: Real Time Particulate Matter Air Monitors

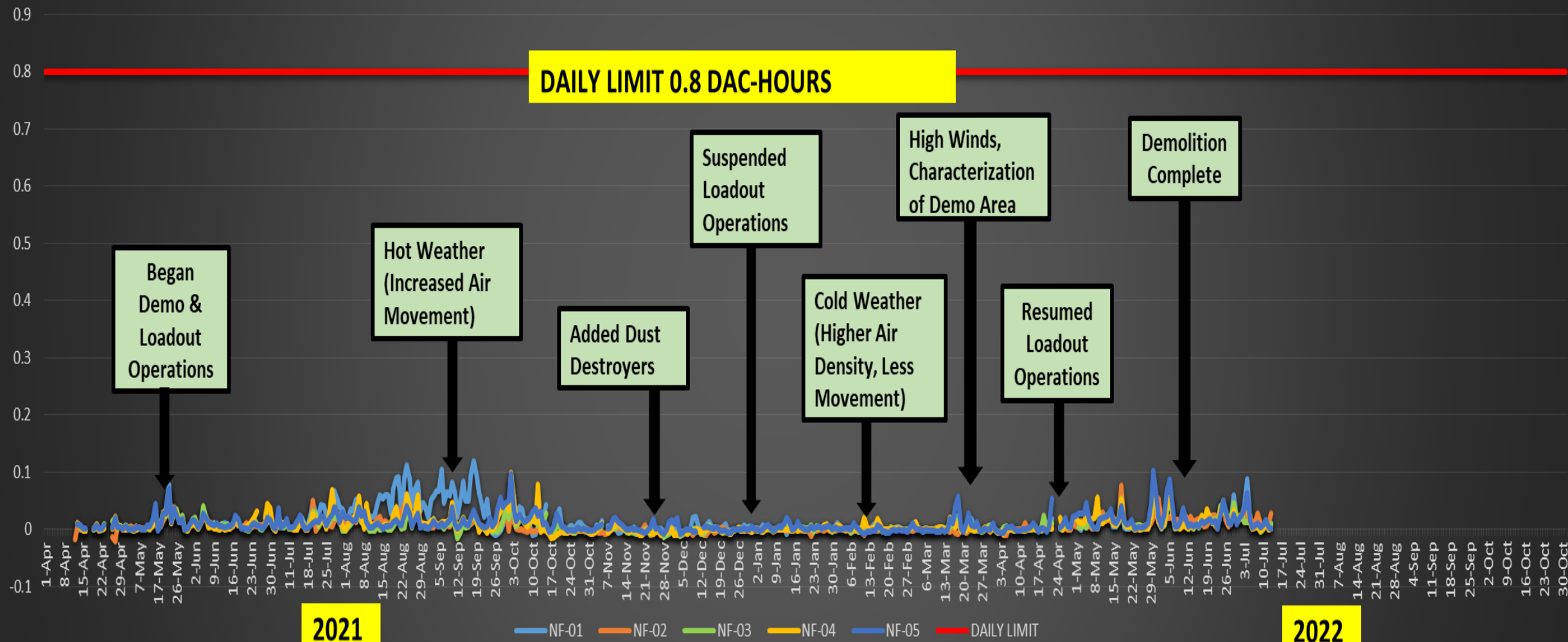


## UPDATE – Real Time Particulate Matter

- DOE/OEPA Co-located: Real-Time Particulate Matter Air Monitors



X-326 Near Field iCAM-EE AVERAGE DAILY ALPHA DAC-HRS





## X-326 Process Building Real-Time Monitoring Trends to Date

- ✓ PM data recorded to date indicate good control of fugitive dust
- ✓ Application of water misting and fixative application are proving to be effective
- ✓ Real-time alpha/beta measurements indicate the controls instituted are protective of workers and the public





## Identifying Contaminants of Concern for Air Modeling/Monitoring

- The majority of the chemical and radiological hazards were removed during the deactivation of the X-326 from 2011 – 2020
- Some contaminants remain due to residual chemical contamination, residual radiological contamination and contaminants associated with the building materials
- The “Contaminants of Concern” were selected based on the operational history and materials of construction of the X-326 Process Building
  - Non-Radiological contaminants (e.g. Metals, Asbestos, VOCs, PCBs)
  - Radiological contaminants (e.g. Uranium; Technetium)





## Air Modeling Drives the Air Monitoring Program

- A comprehensive X-326 demolition air modeling effort was conducted during the demolition design process
- The report was peer reviewed by an independent expert retained by FBP and by a separate independent expert retained by DOE
- Air emissions calculations and air dispersion modeling assessments evaluate source-specific and cumulative impacts from activities planned
- D&D and all other site activities can be completed in compliance with Clean Air Act requirements and established emissions standards
- Ohio EPA concurred with the modeling report on May 20, 2020

***This air modeling effort was used to establish appropriate locations for the Portsmouth Air Monitoring Network, parameters to be analyzed and action levels employed during work.***



## X-326 Demolition

- 8 locations



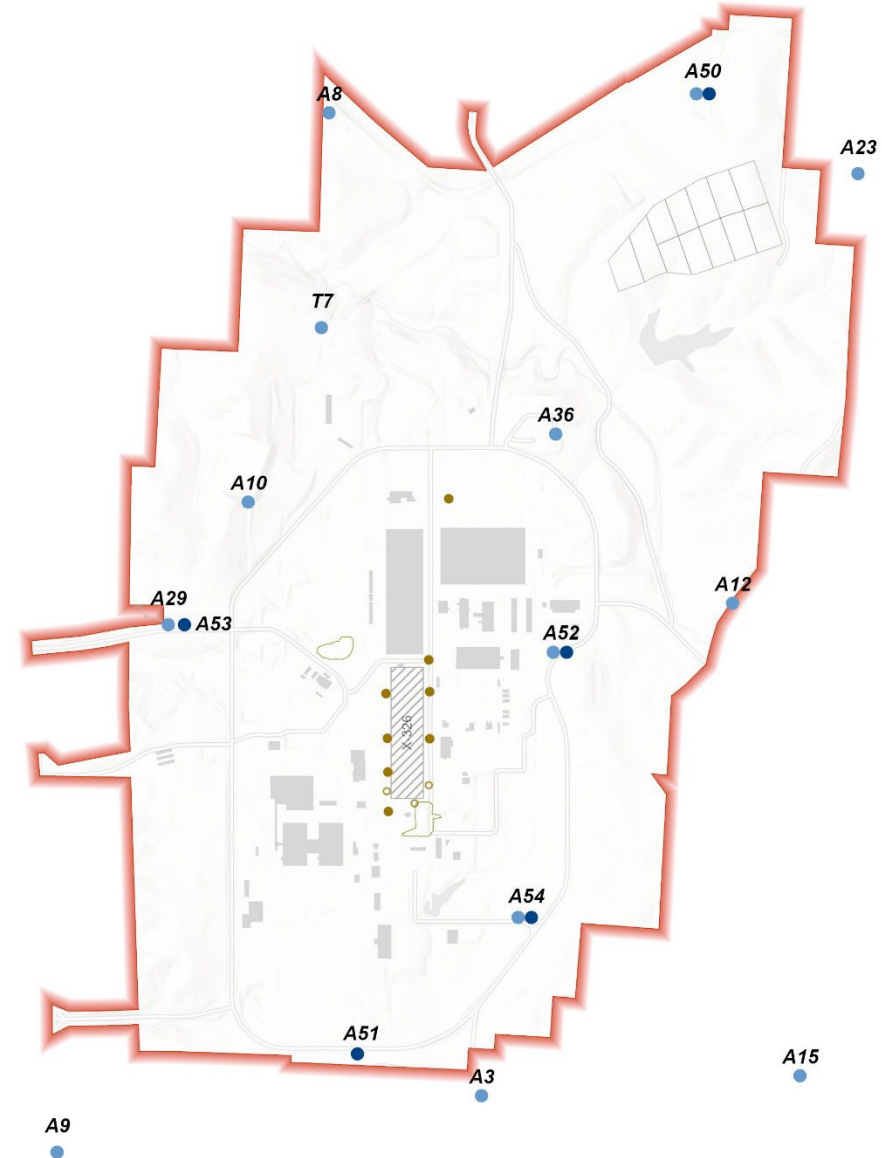
## DOE/ODH Co-located

- 18 locations



## DOE/OEPA Co-located

- 5 locations







- Provides a redundancy in air sampling to help confirm air emission impacts from on and off-site activities are consistently measured
- Regulators and the public have an independent mechanism to evaluate air emission data thus increasing confidence in the data collected
- Provides an increased level of transparency with state regulatory agencies



## Ohio EPA/DOE Co-Located

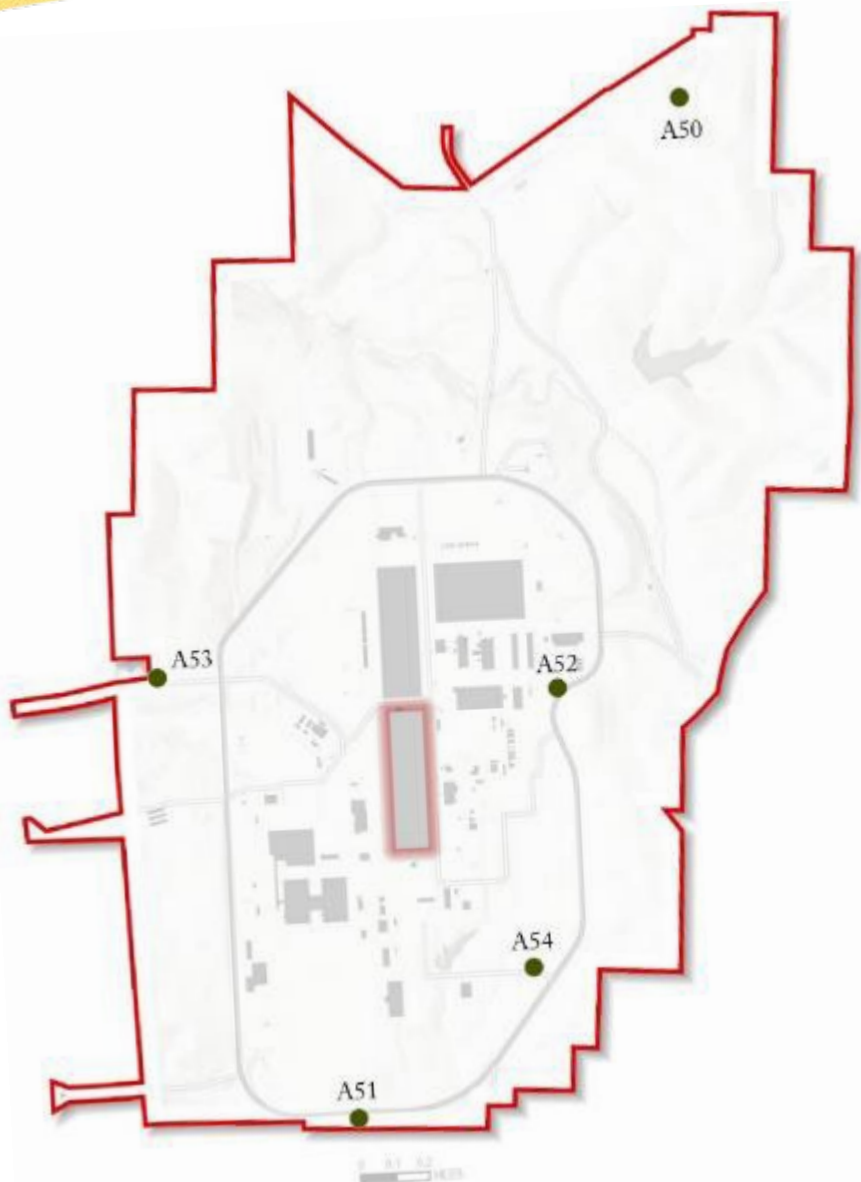
- 5 locations on site
- Monitoring for:
  - Particulate matter
  - VOCs
  - Metals
  - Asbestos
- Data is gathered, analyzed and validated independent of DOE
- Data published quarterly



## ODH/DOE Co-Located

- 18 locations on site and off site
- Monitoring for:
  - RADs (radiological)
  - Fluoride\*
- Data is gathered, analyzed and validated independent of DOE
- Data published quarterly





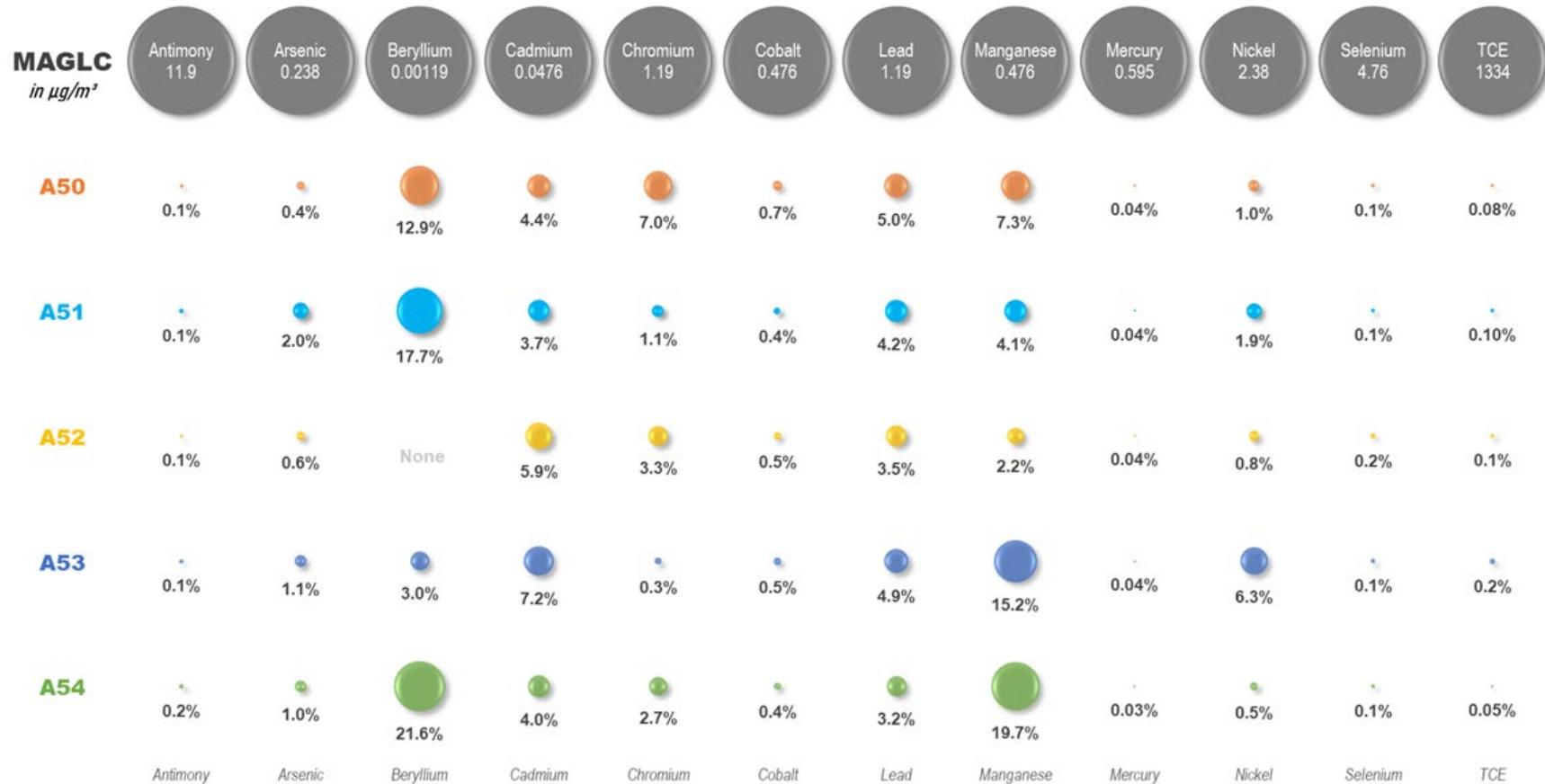
- Metals: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Lead, Manganese, Mercury, Nickel, and Selenium are sampled weekly
- Volatile Organic Compounds (VOCs) (Trichloroethene and others) are sampled weekly
- Fibers/Asbestos fibers is sampled weekly

- Per Ohio EPA Technical Guidance, the Maximum Acceptable Ground-Level Concentration (MAGLC) is used as the basis for comparison of our air monitoring data.
- The MAGLC is a calculated value based on exposure and operational assumptions.
- The MAGLC is established for non-radiological parameters at the property boundary. Analytical data are then compared to the corresponding MAGLC.
- The use of the MAGLC and the associated calculations were presented in the Air Modeling Report approved by Ohio EPA



# DOE Data at DOE/Ohio EPA Co-Located Stations

## Max Detects as Percent of MAGLC

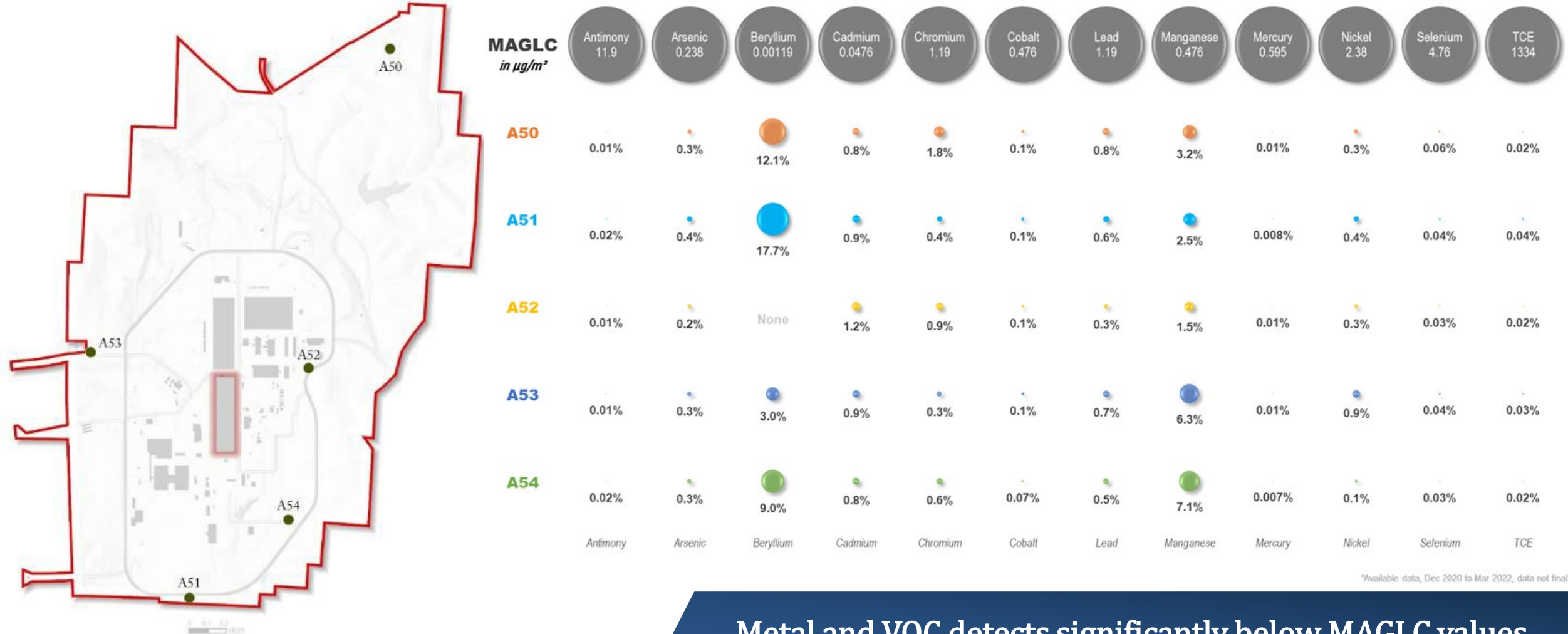


\*Available data, Dec 2020 to Mar 2022, data not final.

Metal and VOC detects significantly below MAGLC values

# DOE Data at DOE/Ohio EPA Co-Located Stations

## Average Detects as Percent of MAGLC



\*Available data, Dec 2020 to Mar 2022, data not final.

Metal and VOC detects significantly below MAGLC values

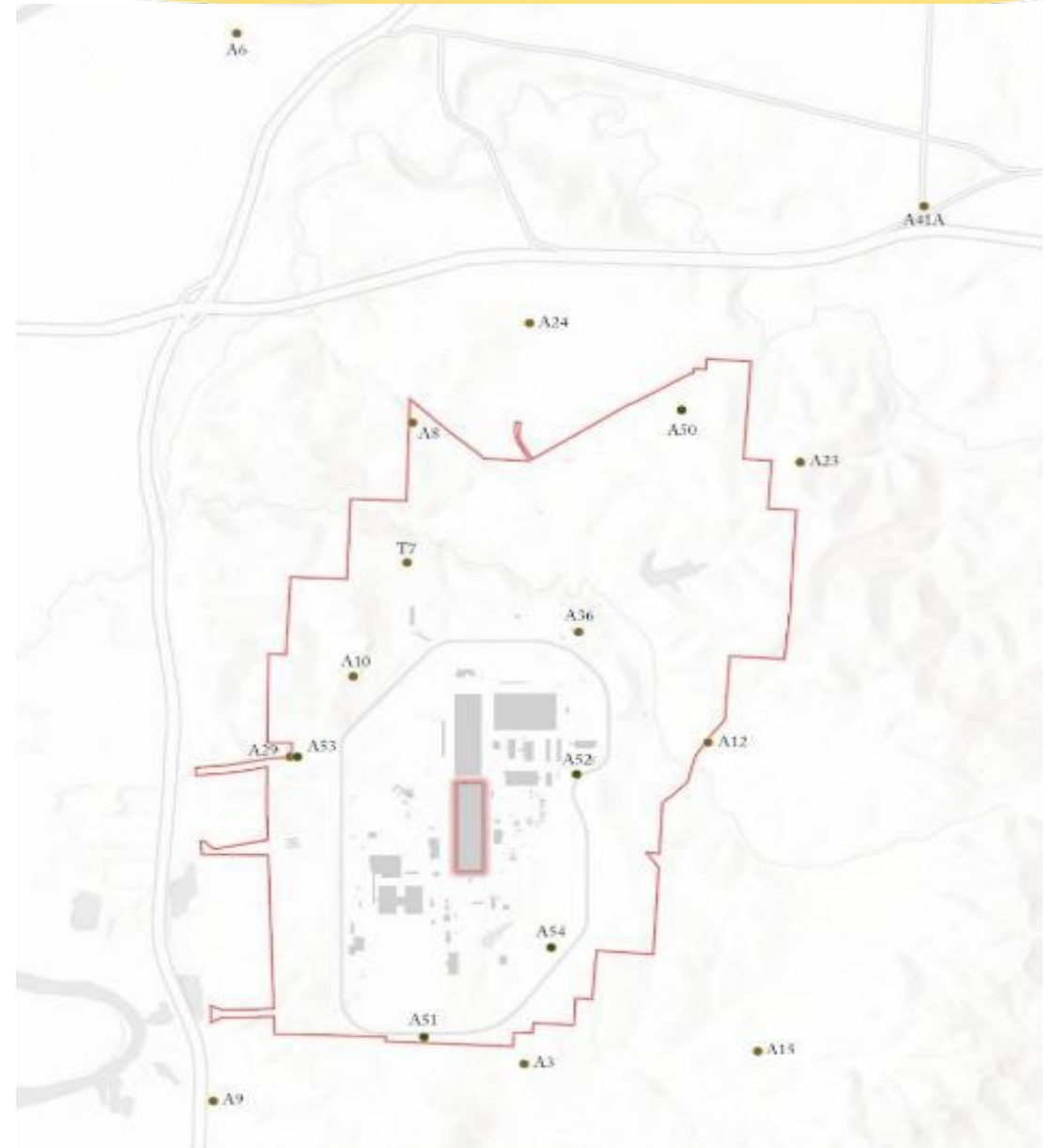


- Airborne asbestos sampling is taken on a weekly frequency
  - Sampling collects all fibers
  - Asbestos monitoring is also conducted Industrial Hygiene technicians for worker protection
- DOE uses National Institute for Occupational Safety and Health (NIOSH) approved methods
  - NIOSH methods for sampling and analysis are nationally recognized and standard industry practice
- Samples are sent to an independent laboratory for analysis



*No indication of asbestos fibers at the DOE/Ohio EPA co-located air*

- Transuranics: Americium-241, Neptunium-237, Plutonium-238, Plutonium-239/240 (sampled quarterly)
- Thorium Isotopes: Thorium-228, Thorium-230, Thorium-232 (sampled quarterly)
- Total Uranium (sampled monthly)
  - Uranium Isotopes: Uranium-233/234, Uranium-235/236, Uranium-238
- Technetium-99 (sampled monthly)



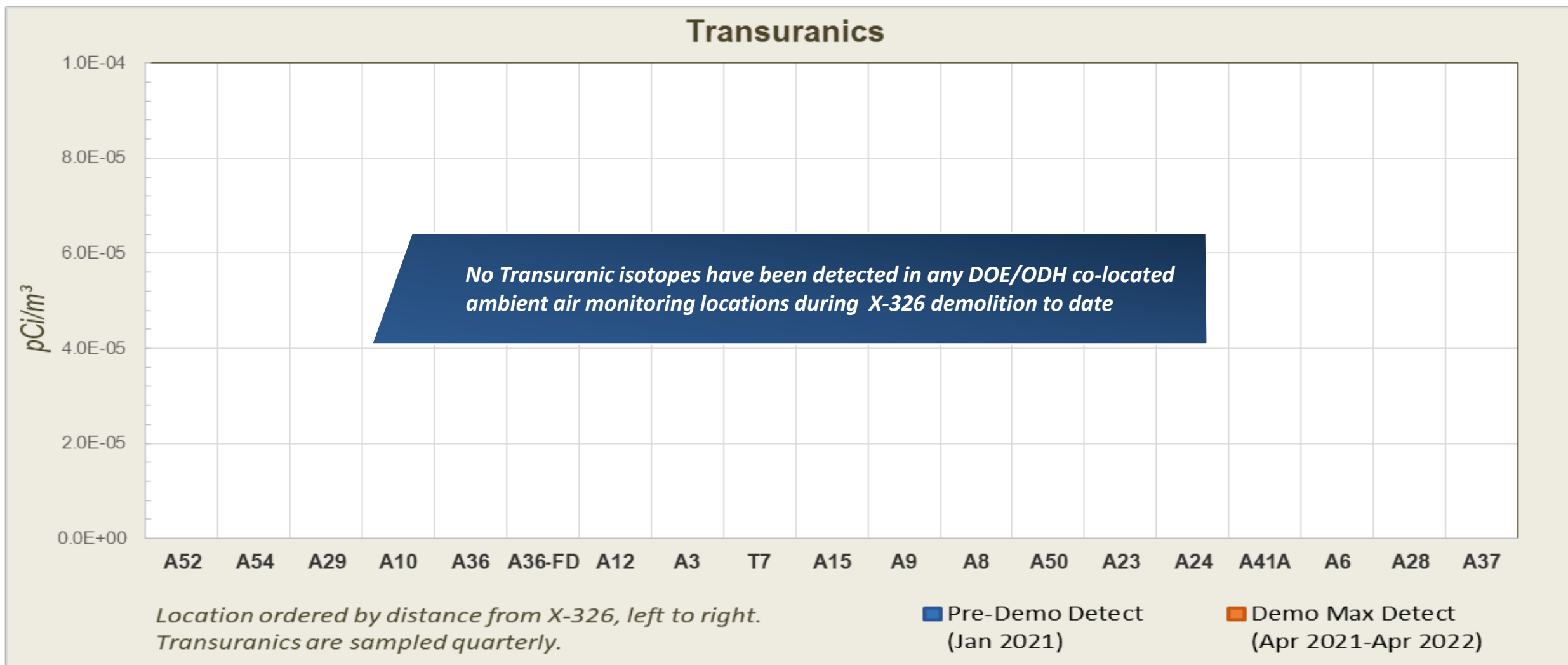


- Transuranic elements (e.g., Np, Pu, Am) are heavier than uranium and listed after uranium on the Periodic Table of the Elements
- Isotopes of Np, Pu, and Am have been continuously monitored at the ambient air monitors in and around PORTS since the mid-90s
- Transuranic isotopes have been occasionally detected in ambient air samples at concentrations well below the regulatory limits through the last two plus decades

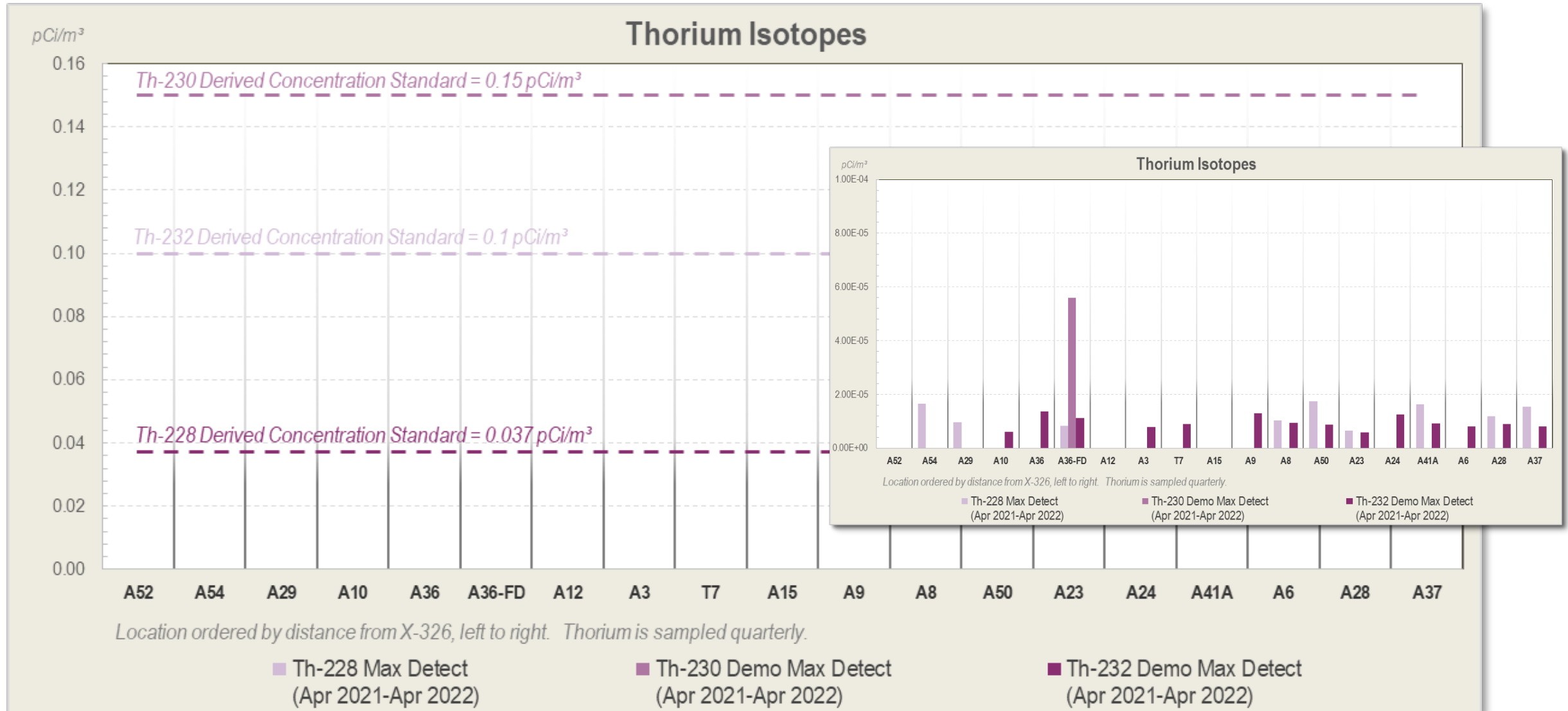
## Periodic Table of the Elements

The periodic table displays elements organized by atomic number. The main body includes elements from Hydrogen (1) to Oganesson (118). Below the main body, the lanthanide and actinide series are shown. The actinide series, which includes the transuranic elements Neptunium (Np), Plutonium (Pu), and Americium (Am), is highlighted with a red box. The table includes atomic numbers, symbols, names, and atomic weights for each element. It also features color-coded blocks for different categories: alkali metals, alkaline earth metals, transition metals, post-transition metals, metalloids, nonmetals, and noble gases.

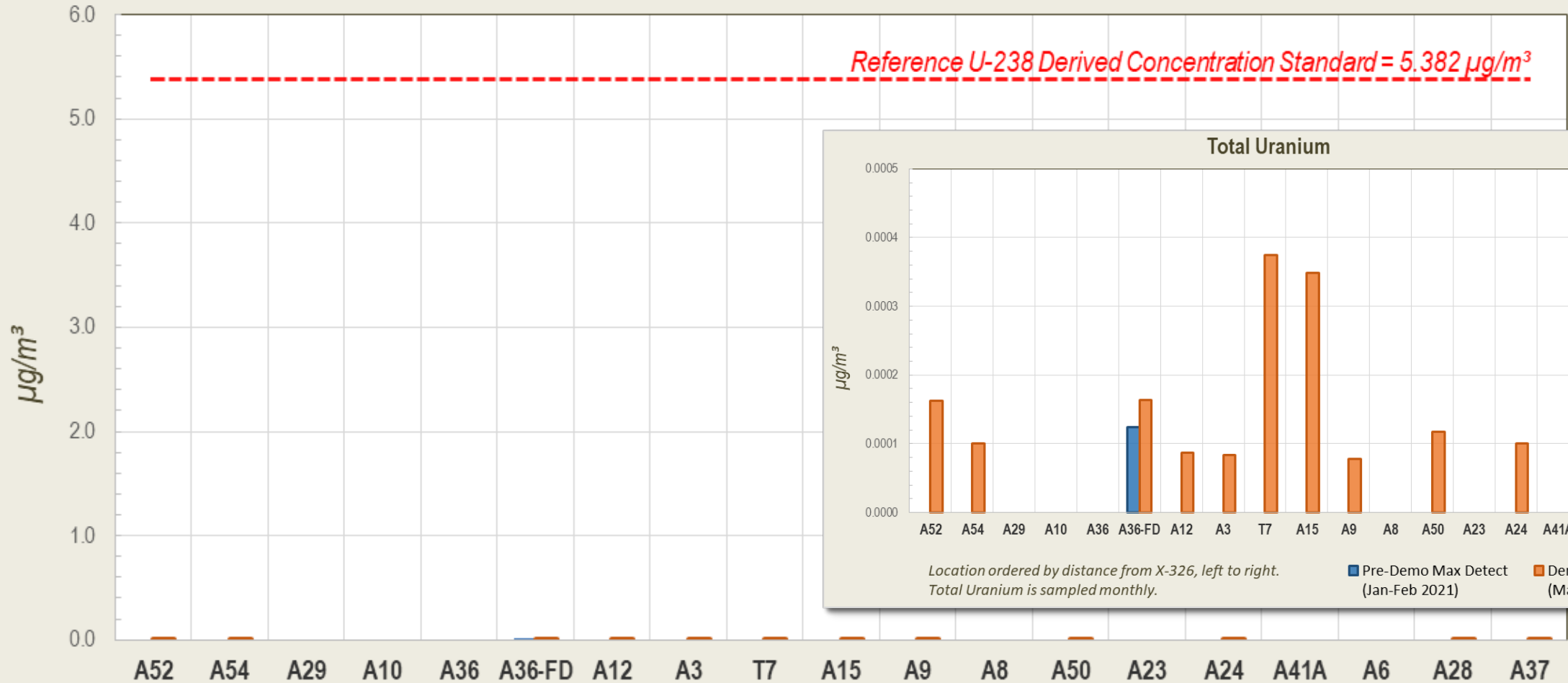
Transuranics







## Total Uranium



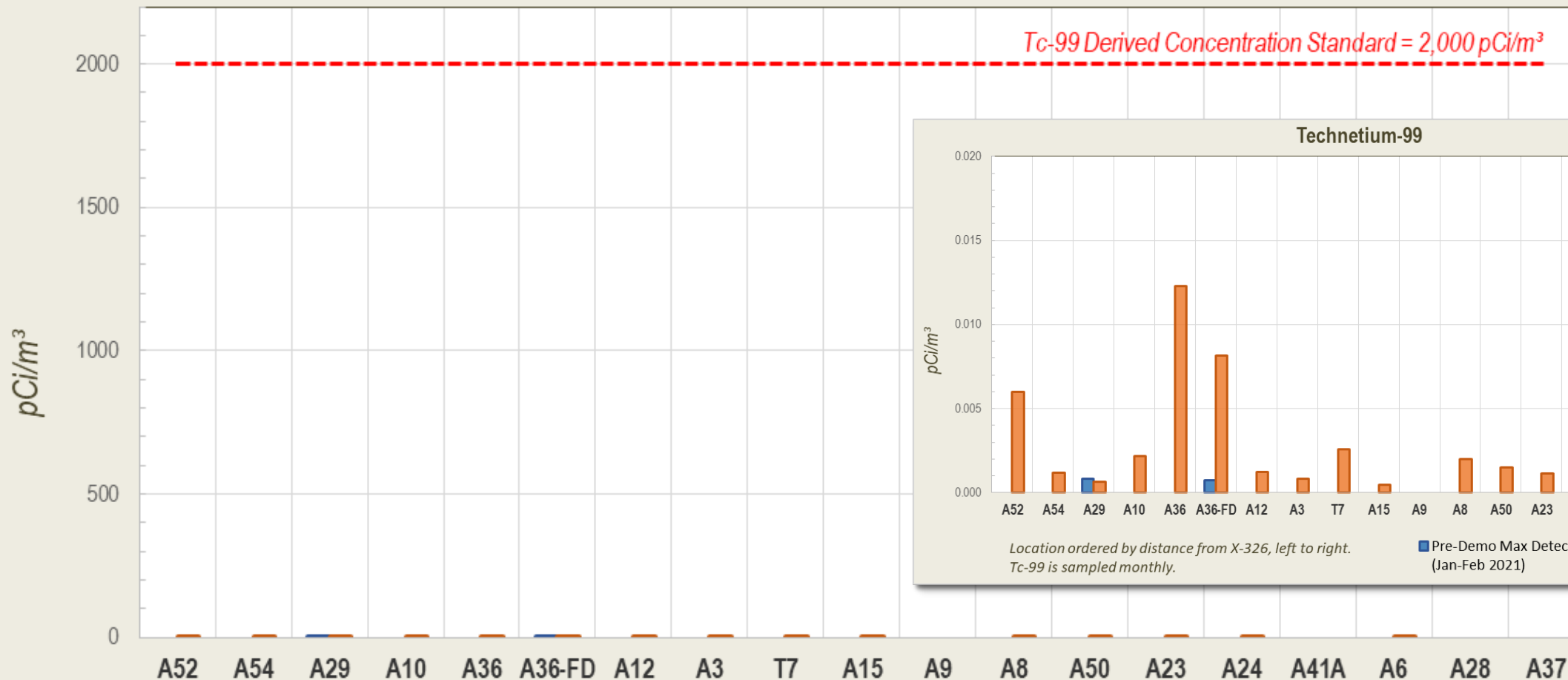
Location ordered by distance from X-326, left to right.  
Total Uranium is sampled monthly.

Pre-Demo Max Detect  
(Jan-Feb 2021)

Demo Max Detect  
(Mar 2021-Apr 2022)



## Technetium-99

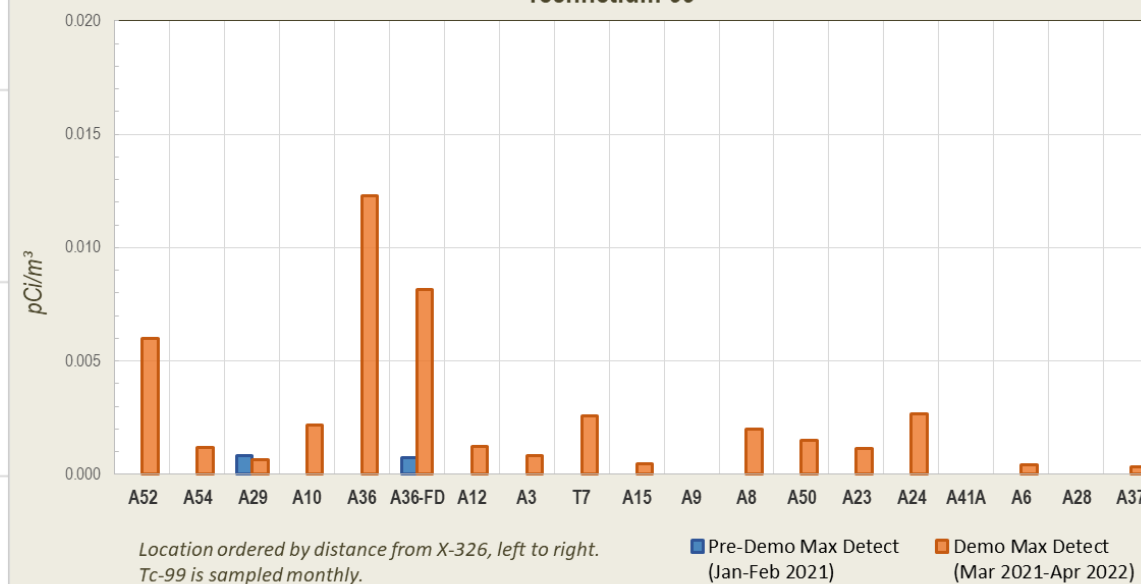


Location ordered by distance from X-326, left to right.  
Tc-99 is sampled monthly.

■ Pre-Demo Max Detect  
(Jan-Feb 2021)

■ Demo Max Detect  
(Mar 2021-Apr 2022)

### Technetium-99



- Results from DOE co-located air monitors are consistent with Ohio EPA and ODH independent monitoring data.
- The current results from all monitors including DOE and State of Ohio indicate no detects have been found above regulatory limits
- Monitoring data posting websites:
  - **DOE** – <https://pegasis.ports.pppo.gov>
  - **Ohio EPA** – <https://epa.ohio.gov/dapc/ams/amsmain/AMSSpecSam-DOE>
  - **ODH** – [https://data.ohio.gov/wps/portal/gov/data/view/doe-portsmouth-facility\\_-radiological-air-sampling-results](https://data.ohio.gov/wps/portal/gov/data/view/doe-portsmouth-facility_-radiological-air-sampling-results)



PPPO Portsmouth | X-326 Demolition ▾ Safety Approach ▾ Data ▾ Contact Us ▾

Portsdemo.com

## Our Commitment



The Department of Energy will complete demolition of the Portsmouth Gaseous Diffusion Plant process buildings safely, delivering on our mission to fully clean up the Portsmouth site. We will build trust with our community partners through timely, transparent release of monitoring data and other project information and we will maintain an open dialogue throughout the project.

## Protecting Workers, the Community, & the Environment.

This website is intended to be a resource for stakeholders and other interested members of the public seeking information about D&D at Portsmouth. It will provide the regular release of environmental monitoring data, background information on the project and answers to frequently asked questions as well as information about engagement opportunities and points of contact for additional questions/comments.

[Learn More](#)

## Data Dashboard

[What is Environmental Monitoring?](#)

- [www.portsdemo.com](http://www.portsdemo.com) is a DOE website focusing on X-326 project air monitoring data
- Website will include:
  - Updated real time and co-located monitoring data
  - Project updates
  - Frequently Asked Questions

## How to have your voice heard

- Email: [ports-demo-questions@pppo.gov](mailto:ports-demo-questions@pppo.gov)
- Add a question via the chat on YouTube
- Add a question via the chat on Microsoft Teams
- Participate in the public comment session



Microsoft Teams





## Public Comment Protocols

- Raise your hand to be identified
- Be courteous and treat everyone with respect.
- We ask that you keep comments within a 3-4 minute timeframe to allow for all interested parties to speak. Additional or lengthy comments can be submitted in writing.
- In order to reduce background noise, speakers will be unmuted during their public comment and then will return to mute afterwards.

