Community Scale Air Toxics Monitoring Project Code TBD 9/25/20

Project Title: Community Scale Air Toxics Monitoring FFY21-23 – New grant request (REVISED)

Purpose: Request for new federal funds to support VADEQ's *Characterization and Risk Assessment of Air Toxics Metals in Southeast Virginia* project. Project is designed to develop a local air quality characterization in two Norfolk / Newport News communities and perform an air quality and health risk assessment for air toxics metals. Results will inform future DEQ Strategic Plan objectives to improve air quality and community engagement in underserved communities.

EPA recommended a reduced award amount to reflect a reduction in sampling time from two years to one year. EPA requested that we submit this revised application to match the reduced award amount.

Funding Summary:

Revised Total		526,603
Federal @	100%	526,603
Match @	0%	-
Federal FTEs - DEQ:		
1-year		0.14
Total Grant Period		0.42
Federal FTEs - non-DEC) ;	
1-year		-
Total Grant Period		-
Total Project Period:		10/1/20 - 9/30/23

	Original			Revised Budget			Revised Total		
Budget Categories	Fed	Match	Total	Fed	Match	Total	Fed	Match	Total
Personnel	32,316	-	32,316	(2,895)	-	(2,895)	29,421	-	29,421
Fringe Benefits	15,396	-	15,396	(1,377)	-	(1,377)	14,019	-	14,019
Travel	20,400	-	20,400	(6,200)	-	(6,200)	14,200	-	14,200
Equipment	236,800	-	236,800	(30,000)	-	(30,000)	206,800	-	206,800
Supplies	67,770	-	67,770	18,714	-	18,714	86,484	-	86,484
Contractual	253,912	-	253,912	(108,768)	-	(108,768)	145,144	-	145,144
Construction	-	-	-	-	-	-	-	-	-
Other	22,450	-	22,450	(300)	-	(300)	22,150	-	22,150
Indirect	9,210	-	9,210	(825)	-	(825)	8,385	-	8,385
Total	658,254	-	658,254	(131,651)	-	(131,651)	526,603		526,603

Charles Turner Manager of Office of Air Quality Manifesting	Data	
Charles Turner, Manager of Office of Air Quality Monitoring	Date	
Valerie Thomson Director of Δdministration	Date	

OMB Number: 4040-0004 Expiration Date: 12/31/2022

Application for Federal Assistance SF-424							
* 1. Type of Submission:	* 2. Type of App	olication:	* If Revision, select appropriate letter(s):				
Preapplication New			in revision, coloct appropriate lotter(c).				
			* Other (Specify):				
X Changed/Corrected Applica							
* 3. Date Received: Completed by Grants.gov upon submission. 4. Applicant Identifier:							
Completed by Grants.gov upon submission							
5a. Federal Entity Identifier:			5b. Federal Award Identifier:				
State Use Only:							
6. Date Received by State: 7. State Application Identifier:							
8. APPLICANT INFORMATION:							
*a.Legal Name: Virginia Department of Environmental Quality							
* b. Employer/Taxpayer Identification Number (EIN/TIN): * c. Organizational DUNS:							
* b. Employer/Taxpayer Identification Number (EIN/TIN): 54-1661753			8097437680000				
54-1001/53							
d. Address:							
* Street1: 1111 East	1111 East Main Street, Suite 1400						
Street2:							
* City: Richmond	Richmond						
County/Parish:							
* State:							
Province:			VIIV VIIginia				
* Country:							
,	OST CATTED STILL						
* Zip / Postal Code: 23219-3531							
e. Organizational Unit:							
Department Name:			Division Name:				
Air Monitoring			Air Quality				
f. Name and contact information of person to be contacted on matters involving this application:							
Prefix: Mr.		* First Name	ne: Charles				
Middle Name: L.							
*1							
* Last Name: Turner Suffix:							
Title: Manager, Office of	ir Quality Moni	toring					
Organizational Affiliation:							
Virginia Department of B	nvironmental Qua	lity					
* Telephone Number: 804 527	5178		Fax Number: 804 527 5160				
*Email: charles.turner@deq.virginia.gov							

Application for Federal Assistance SF-424						
* 9. Type of Applicant 1: Select Applicant Type:						
A: State Government						
Type of Applicant 2: Select Applicant Type:						
Type of Applicant 3: Select Applicant Type:						
* Other (specify):						
* 10. Name of Federal Agency:						
Environmental Protection Agency						
11. Catalog of Federal Domestic Assistance Number:						
66.034						
CFDA Title:						
Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act						
* 12. Funding Opportunity Number:						
EPA-OAR-OAQPS-20-05						
* Title:						
Community-Scale Air Toxics Ambient Monitoring						
13. Competition Identification Number:						
NONE						
Title:						
None						
14. Areas Affected by Project (Cities, Counties, States, etc.):						
VADEQ - CSATAM Request - Areas affected by Add Attachment Delete Attachment View Attachment						
* 15. Descriptive Title of Applicant's Project:						
VADEQ _ Community-Scale Air Toxics Ambient Monitoring Request						
Attach supporting documents as specified in agency instructions.						
Add Attachments Delete Attachments View Attachments						

Application for Federal Assistance SF-424							
16. Congressional Districts Of:							
* a. Applicant VA-003 * b. Program/Project VA-003							
Attach an additional list of Program/Project Congressional Districts if needed.							
Add Attachment Delete Attachment View Attachment							
17. Proposed Project:							
* a. Start Date:	10/01/2020			* b. E	End Date: 09/30/2023		
18. Estimated F	unding (\$):						
* a. Federal		\$526,603.00					
* b. Applicant		0.00					
* c. State		0.00					
* d. Local		0.00					
* e. Other		0.00					
* f. Program Inco	ome	0.00					
* g. TOTAL		\$526,603.00					
* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?							
a. This application was made available to the State under the Executive Order 12372 Process for review on 5/4/20.							
b. Program is subject to E.O. 12372 but has not been selected by the State for review.							
c. Program is not covered by E.O. 12372.							
* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)							
Yes							
If "Yes", provide	e explanation and attach						
	Add Attachment Delete Attachment View Attachment						
21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001) ** I AGREE* ** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.							
Authorized Representative:							
Prefix:	ls.	* Firs	st Name: Valeri	.e			
Middle Name:							
* Last Name:	Thomson						
Suffix:							
* Title:	rector of Administra	ation					
* Telephone Nun	nber: 804 698 4157			Fax Number: 804	4 698 4178		
* Email: valer	ie.thomson@deq.virg	inia.gov					
* Signature of Au	thorized Representative:	Completed by Grants.g	ov upon submission.	* Date Signed:	Completed by Grants.gov upon submission.		

VADEQ Community-Scale Air Toxics Ambient Monitoring Request Areas Affected by Project

- Norfolk, VA
- Newport News, VA

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006 Expiration Date: 02/28/2022

SECTION A - BUDGET SUMMARY

Gra Gra Feques 3. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	Grant Program Function or Activity (a) VADEQ - CSATAM Request FFY21 - 23	Catalog of Federal Domestic Assistance Number (b) 66.034	Estimated Unobligated Funds Federal (c) (c) (d) (d)	Unobligated Funds O 0 0 0 Non-Federal (d) (d) (d)	Federal (e)	New or Revised Budget Non-Federal (f) (f) 0.00 \$	Total (g) 526,603.00
5. To	Totals		0.00	\$ 00.00	526,603.00	90000	526,603.00
				-			

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Workspace ID: WS00578468 Funding Opportunity Number: EPA-CEP-02

SECTION B - BUDGET CATEGORIES

6 Object Oscios		GRANT PROGRAM. F	GRANT PROGRAM, FUNCTION OR ACTIVITY		Total
ن ماردر مردی صدیقی	(1)	(2)	(3)	(4)	(5)
	VADEQ - CSATAM Request FFY21 - 23				
a. Personnel	\$ 29,421.00	\$	\$	\$	\$ 29,421.00
b. Fringe Benefits	14,019.00				14,019.00
c. Travel	14,200.00				14,200.00
d. Equipment	206,800.00				206,800.00
e. Supplies	86,484.00				86,484.00
f. Contractual	145,144.00				145,144.00
g. Construction	00.0				0.00
h. Other	22,150.00				22,150.00
i. Total Direct Charges (sum of 6a-6h)	518,218.00				\$ 518,218.00
j. Indirect Charges	8,385.00				8,385.00
k. TOTALS (sum of 6i and 6j)	\$ 526,603.00	8	&	*	\$ 526,603.00
7. Program Income	90.0	₩	₩	₩	0.00
		Authorized for Local Reproduction	roduction	Star	Standard Form 424A (Rev. 7- 97)

Authorized for Local Reproduction

Standard Form 424A (Rev. 7-97)
Prescribed by OMB (Circular A -102) Page 1A

Authorized for Local Reproduction

Prescribed by OMB (Circular A -102) Page 2 Standard Form 424A (Rev. 7- 97)

Workspace ID: WS00578468 Funding Opportunity Number: EPA-CEP-02

COMMONWEALTH OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

Characterization and Risk Assessment of Air Toxics Metals in Southeast Virginia

WORK PLAN

OFFICE OF AIR QUALITY MONITORING September 16, 2020

I. PROJECT TITLE:

Characterization and Risk Assessment of Air Toxics Metals in Southeast Virginia Information Technologies Agency

II. CATEGORY:

Community Scale Air Toxics Monitoring Project

III. APPLICANT INFORMATION

Organization: Virginia Department of Environmental Quality

Contact: Charles L. Turner

Manager, Office of Air Quality Monitoring 4949-C Cox Road, Glen Allen, VA 23060

Phone: (804) 527-5178

Email: charles.turner@deq.virginia.gov

Namita Verma

Air Data Quality Team Leader

4949-C Cox Road Glen Allen VA 23060 Phone: (804) 527-5190

Email: Namita.verma@deq.virginia.gov

IV. PROJECT SUMMARY/FUNDING

Virginia Department of Environmental Quality (DEQ) Office of Air Quality Monitoring (OAQM) has proposed a Community Scale Air Toxics Monitoring project for the Southeastern (Tidewater) Area of the Commonwealth of Virginia. This project is intended to characterize the ambient concentrations of air toxics metals and perform corresponding air quality and health risk assessments for two Tidewater communities: the Lambert's Point Community (LP) and Southeast community (SE) located in Norfolk and Newport News, respectively. Residents of these communities have long expressed concern about ambient coal dust and air quality [1]. Coal dust is known to contain metals, some of which may be present in toxic amounts. This project is designed to develop a local air quality characterization in these communities and perform an air quality and a health risk assessment for air toxics metals. The results of this characterization and the air quality and health assessments will inform future DEQ Strategic Plan objectives to improve air quality and community engagement in underserved communities.

This study will comprise five distinct phases:

- (1) Planning and siting of the samplers,
- (2) Collection and chemical analysis of ambient air metals samples,
- (3) Data validation and results summaries,
- (4) Health risk assessments, and
- (5) A final report incorporating recommendations for further actions and study.

To properly implement and execute this project VA DEQ will need the following support from EPA:

- Provide necessary funding to establish and operate the network consistent with the grant application
- Advise on technical and quality assurance issues.
- Monitor the project's progress and performance to verify the results

• Review and comment on project reports prepared during the execution of this project.

EPA approved a funding level of \$526,603 to implement this project. The funding is broken down as follows:

1.	Construction and Set-up costs	\$46,489.00
2.	Equipment	\$206,800.00
3.	Supplies and Materials	\$86,484.00
4.	Contractual	\$98,655.00
5.	Other Expenditures	\$22,150.00
6.	Travel	\$14,200.00
7.	Personnel	\$51,825.00
	Total	\$526,603.00

DEQ has committed to using the intern program in the Tidewater region to supply the routine filter changing labor for this project.

V. PROJECT PERIOD

The project is projected to take 3 years to complete. The activities are outlined in the table below.

Task	Yea	r 1			Year	2			Year	3		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Evaluate sampler network												
Purchase samplers												
Research and select sensors												
Purchase sensors												
Site samplers and sensors												
Purchase T640X monitors												
Site T640X monitors												
Sample collection												
Analysis of samples												
Monitor air using T640X												
Data validation and summary												
Health risk assessments												
Final reports preparation												

The starting date of the project will be based on the award date of the grant. DEQ is projecting the award date to be in the fourth quarter of 2020.

VI. WORKPLAN

a. Statement of Work/Objectives

The primary objectives of this study are as follows:

- (i) Collect data on PM10, and ambient air toxics metals in the LP and SE communities with a network of FRM/FEM PM10 and TSP samplers along with air quality sensors;
- (ii) Characterize the spatial distribution of PM10 and air toxics metals in the LP and SE communities;
- (iii) Evaluate the health risks posed by the toxic metals in ambient air;
- (iv) Build the communities' capability to use the sensor network data and FEM-based data for ongoing community issues.

The sampling network at each location in this study will consist of one upwind site and up to four downwind sites. The existing air monitoring site at the NOAA facility on Front Street could serve as the upwind site for the Lambert's Point monitors. The downwind sites will be placed within the communities at locations that will "encircle" the source locations: Kinder-Morgan loading pier for SE community and Norfolk Southern Coal loading operation for LP community.

DEQ will evaluate each monitoring site to determine if the site will remain within the network after the study is complete. By establishing a community sensor network, DEQ expects to continue engagement opportunities with these communities, and to provide them with opportunities to shape how DEQ might be able to use information from low cost sensors and further engage with other communities.

b. TARGET POLLUTANTS

The target pollutants for this study are Arsenic, Beryllium, Cadmium, Chromium, Lead, Manganese, and Nickel. The Division of Consolidated Laboratory Services, the Virginia State Lab, will use method IO-3 and employ Inductively Coupled Plasma Mass Spectrometry (ICP-MS). The Laboratory maintains a complete set of SOPs for the performance on the metals analysis, the QA procedures and the data handling. The SOPs will be maintained at the laboratory and DEQ will have access to them.

c. WORK PRODUCTS

Outputs	Outcomes	Performance Measures
Database of air toxics metals data useful for both the communities and future EPA modeling efforts such as NATA	Toxic metals results provided to the AQS database	QA results from the sampler operations and data capture
Quarterly progress reports for the stakeholders	Possible FRM sampler siting, and continuous PM10 monitor siting (T640X)	Routine QA from laboratory operations
Health risk assessment evaluations	Increased and improved community awareness	Measure for increased community awareness: Google Analytics— retention, average session length, percent of user generated content, number of posts reported as inappropriate, DEQ response rate
Final data report, to include spatial concentration variation of metals in the two study areas	Increased community understanding of the health risks	100% of progress reports completed on time
Final project report, to include an analysis of possible relationships between the FEM/FRM metals data and sensor data	The continuous PM10 results will be posted on the DEQ website for public viewing	Minimally Semi-annual meetings with the LP and SE communities throughout the project.

The Table above details the work products to be delivered as part of this project. They are shown as Outputs on the table.

d. Personnel

The VADEQ Personnel involved in the execution of this project are:

Position	Primary	Backup
Regional Operator	Kelly Routh	Jason Hodges
OAQM Microscopist	Carolyn Stevens	Rudley Young
OAQM monitoring specialists	Brian King	Tom Drake
OAQM Data personnel	Namita Verma	Carolyn Stevens
OAQM Weighing Lab Support	Rudley Young	Trae Johnson
OAQM Management Support	Charles Turner	

VII. DETAILED PROJECT BUDGET

a. Budget The followings are details of the funding request for the proposed p		\$526,603 . 00
Construction and Set-up Costs 2 Trailer Repair and Preparation (\$3500 ea. to support the T640's) 16 Power installations (Where necessary @ \$2,000.00 ea.) Miscellaneous (fencing, ground preparation, etc.)	Total	\$7,000.00 \$32,000.00 \$7,489.00 \$ 46,489.00
Equipment Ten PM10 samplers (\$8600 ea.) 4 TSP samplers (\$5000 ea.) 2 T640X PM10/PM2.5 continuous samplers (\$37,000 ea.) 2 8872 data loggers (\$8400 each) Microscopic Upgrade	Total	\$86,000.00 \$20,000.00 \$74,000.00 \$16,800.00 \$10,000.00 \$ 206,800.00
Supply 4 back up digital timers (\$800 ea.) 14 Router/Modems (\$950) Calibration/Audit supplies (T640) 4 Flow Check Verification Hardware (\$1635 ea.) Field Temperature and measurement Hardware Filters (\$1880 per box) PM10/TSP motors (\$140 ea.) Cabling, brushes, electrical supplies Assorted supplies - Gloves, tools lawn products, etc. Sensor budget (approx. 10 at no more than \$3000 ea.)	Total	\$3,200.00 \$13,300.00 \$1,000.00 \$6,540.00 \$950.00 \$29,154.00 \$ 840.00 \$1,000.00 \$ 500.00 \$30,000.00 \$86,484.00
Contractual Electrical Operating Costs Total Sample Analysis Costs DCLS Lab Support help VDH Health Assessment Support	Total	\$ 800.00 \$71.148.00 \$15,900.00 \$10,807.00 \$98,655.00

Other Expenditures Public Meetings (10 meetings @ \$10 Printed materials for meetings Publication and distribution of quarte Property rental for monitor siting Local approvals and zoning compliar Site improvements Utility Connections Monthly Cell Charges Postage/courier	erly information	on		\$1,000.00 \$2,000.00 \$ 400.00 \$4,800.00 \$ 500.00 \$3,200.00 \$4,600.00 \$1,050.00		
<u>Travel</u> – All travel in-state			Total	\$22,150.00		
Siting and Installation (6 visits – AQN	vito LP. SE)			\$1,000.00		
Travel to 12 public meetings (Location to be determined)				\$ 600.00		
Maintenance and repair travel (estimated 3 visits)				\$ 600.00		
Travel to pick up and install filters (TRO to LP and SE) \$12,000.00						
		,	Total	\$14,200.00		
<u>Personnel</u>	Salary	Fringe*	Indirect	Total		
Regional Operator	\$3,793	\$1,808	\$1,081	\$6,682		
OAQM Microscopist	\$7,650	\$3,635	\$2,180	\$13,465		
OAQM monitoring specialists	\$3,788	\$1,803	\$1,080	\$6,671		
OAQM Data personnel	\$3,937	\$1,882	\$1,122	\$6,941		
OAQM Weighing Lab Support	\$2,717	\$1,301	\$ 774	\$4,792		
OAQM Management Support	\$7,536	\$3,590	\$2,148	\$13,274		
			Total	\$51,825		

DEQ applies an agency fringe rate, which varies each year. The range used here is 47% - 48%. Fringe components: Retirement, Social Security, Medicare, Group Life, Health Care, VSDP, Long Term Disability.

b. Expenditure Schedule of Awarded Grant Funds

Funds supporting this Project as delineated in the above budget will be expended throughout the life of the project. OAQM will submit project reports on a semi-annual basis documenting the project expenditures on an ongoing basis. The proposed expenditure schedule, consistent with Table 2 below, will proceed as follows:

<u>Milestones</u>	Project Activities	Expenditures
Year 1 Q1	Meetings with both Communities, Sampler purchase, Trailer Preparation, Initial Power installation, fencing where needed, Utility connections, personnel costs. OAQM	88,619.18
	personnel	
Year 1 Q2	Installation completion, Samplers and sensors purchased, supplies purchased, portion of filters purchased, Local approvals, Utility connections, OAQM personnel cost	131,670.95
Year 1 Q3	Data loggers, additional supplies, public meeting, site rental, Sample analysis, finalized siting and utility connections, OAQM and DCLS personnel costs	61,791.79
Year 1 Q4	Final T640X costs, Filters, electrical operational costs, Sample analysis, ongoing personnel costs	128,147.57
Year 2 Q1	Ongoing consumables costs, public meetings, property rental costs, personnel costs	36,474.26

Year 2 Q2	Ongoing consumables, supply replenishment, ongoing electrical and analytical costs, personnel	28,235.65
Year 2 Q3	Ongoing consumables, public meetings, supply replenishment, ongoing electrical and analytical costs, personnel	13,073.35
Year 2 Q4	Electrical and analytical costs, OAQM, DCLS and VDH personnel costs.	12,159.69
Year 3 Q1	Public Meeting, Electrical and analytical costs, ongoing personnel costs	9,302.99
Year 3 Q2	Electrical and analytical costs, ongoing personnel costs	9,857.82
Year 3 Q3	Public Meeting, Electrical and analytical costs, ongoing personnel costs	4,318.63
Year 3 Q4	Electrical Costs, Personnel costs associated with project close out	2,951.17

Other Attachment File(s)

* Mandatory Other Attachment Filename:	VADEQ	-	EPA	Form	6600-06	-	Val.pdf

Add Mandatory Other Attachment

Delete Mandatory Other Attachment

View Mandatory Other Attachment

To add more "Other Attachment" attachments, please use the attachment buttons below.

Add Optional Other Attachment

Delete Optional Other Attachment

View Optional Other Attachment

The following attachment is not included in the view since it is not a read-only PDF file.

Upon submission, this file will be transmitted to the Grantor without any data loss.

VADEQ - EPA Form 6600-06 - Val.pdf



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

COGNIZANT AGENCY NEGOTIATION AGREEMENT

Page 1 of 2

Date: June 17, 2020

Commonwealth of Virginia Department of Environmental Quality

Filing Ref: May 31, 2019 Richmond, VA

The indirect cost rates contained herein are for use on grants and contracts with the Federal Government to which Office of Management and Budget Circular 2 CFR 200 applies, subject to the limitations contained in the Circular and in Section II, A below.

SECTION I: RATES

	Effectiv			
Type	From	То	Rate	<u>Base</u>
Fixed	7/1/2020	6/30/2021	28.50%	(a)

Basis for Application

(a) Direct salaries and wages excluding fringe benefits.

Treatment of Fringe Benefits: Fringe benefits applicable to direct salaries and wages are treated as direct costs and charged in accordance with rates established by the State.

SECTION II: GENERAL

A. LIMITATIONS: The rates in this Agreement are subject to any statutory and administrative limitations and apply to a given grant, contract or other agreement only to the extent that funds are available. Acceptance of the rates is subject to the following conditions: (1) Only costs incurred by the department/agency or allocated to the department/agency by an approved cost allocation plan were included in the indirect cost pool as finally accepted; such costs are legal obligations of the department/agency and are allowable under governing cost principles; (2) The same costs that have been treated as indirect costs have not been claimed as direct costs; (3) Similar types of costs have been accorded consistent accounting treatment; and (4) The information provided by the department/agency which was used to establish the rates is not later found to be materially incomplete or inaccurate by the Federal Government. In such situations the rate(s) would be subject to renegotiation at the discretion of the Federal Government.

- B. CHANGES. The fixed rate contained in this agreement is based on the organizational structure and the accounting system in effect at the time the proposal was submitted. Changes in the organizational structure or changes in the method of accounting for costs which affect the amount of reimbursement resulting from use of the rate in this agreement, require the prior approval of the authorized representative of the responsible negotiation agency. Failure to obtain such approval may result in subsequent audit disallowances.
- C. THE FIXED RATE contained in this agreement is based on an estimate of the cost which will be incurred during the period for which the rate applies. When the actual costs for such a period have been determined, an adjustment will be made in the negotiation following such determination to compensate for the difference between the cost used to establish the fixed rate and that which would have been used were the actual costs known at the time.
- D. NOTIFICATION TO FEDERAL AGENCIES: Copies of this document may be provided to other Federal agencies as a means of notifying them of the agreement contained herein.
- E. SPECIAL REMARKS: Please confirm your acceptance of the terms of the indirect cost rate agreement by signing and returning this letter to me. Please retain a copy for your records.

ACCEPTANCE

The undersigned official warrants that he/she has the proper authority to execute this agreement on the behalf of the State Agency:

(Signature)

Valerie E. THOMSON

(Name)

Director of Azministration

(Title)

(Agency)

Datel

By the Federal Agency:

JACQUELINE

SMITH

Digitally signed by JACQUELINE SMITH Date: 2020.06.17 15:29:56

-04'00'

(Signature)

National Policy, Training and Compliance Division U.S. Environmental Protection Agency

Negotiated by: Jacqueline Smith

Telephone: 202-564-5055