

**MEMORANDUM OF UNDERSTANDING  
BETWEEN  
ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
AND  
MUNICIPALITY OF ANCHORAGE  
FOR AIR QUALITY CONTROL**

**I. Purpose**

The purpose of this Memorandum of Understanding is to clarify the joint responsibilities for air pollution control and monitoring within the Municipality of Anchorage. The Alaska Department of Environmental Conservation (ADEC) and the Municipality of Anchorage (MOA) share responsibility and authority for air quality control in the Municipality of Anchorage. The parties to this Memorandum of Understanding recognize that clear lines of responsibility must be established and maintained to maximize the efficient utilization of available resources and to provide the greatest protection to health and safety. It is with this recognition that these two parties hereby enter into this agreement.

**II. Ambient Air Monitoring**

The MOA will maintain and operate a criteria pollutant monitoring network (carbon monoxide (CO), coarse (PM-10) and fine particulate (PM-2.5), oxides of nitrogen (NO<sub>x</sub>), sulfur dioxide (SO<sub>2</sub>), ozone (O<sub>3</sub>), and airborne lead as applicable, to characterize air quality within the Municipality. The MOA air quality staff will review monitoring needs with ADEC and the Environmental Protection Agency (EPA) in consideration of resources available for the purpose of assigning monitoring priorities. The MOA will provide air quality reports and forecasts to the public each weekday (excluding holidays). ADEC will provide technical support and quality assurance related to the ambient air monitoring network.

Close communication and cooperation between state and local air agencies is necessary to share information on ambient air conditions to help determine the need for issuing an air quality advisory, or declaring an air episode due to anthropogenic or natural events.

**A. ADEC will:**

1. provide technical assistance to the MOA in the areas of ambient air monitoring science, instrument operation, and quality assurance;
2. function as the Primary Quality Assurance Organization (PQAO) for both agencies;

3. send to the MOA copies of correspondence and applicable materials associated with air quality monitoring work performed by ADEC within the MOA and air monitoring information received from EPA or other sources which may be of interest to the MOA;
4. notify the MOA of reporting requirements and due dates;
5. review and approve in writing monitoring site locations and installations as required;
6. provide, or facilitate in-state, technical assistance and training as time and funding allows;
7. perform start up and shut down audits for CO and ozone sampling sites and semiannual audits on the MOA's particulate matter monitoring network;
8. assist MOA staff with field monitoring if requested, as time, staffing and funding allows;
9. participate in the Alaska Air Monitoring Network by operating and maintaining monitoring sites in the Mat-Su Valley and on the Kenai Peninsula subject to available funding;
10. provide technical assistance to MOA for submitting, quarterly, the MOA State Local Air Monitoring System (SLAMS) and Special Purpose Monitoring (SPM) data to the EPA's Air Quality Subsystem (AQS);
11. review and validate air monitoring data generated by MOA as required;
12. review MOA annual monitoring network plan and forward final decisions to EPA as part of the state's annual network plan for Alaska;
13. prepare five-year monitoring assessments as required by EPA and assist MOA in preparation of the Anchorage component of the assessment;
14. work cooperatively with MOA to further develop and upgrade the Alaska Air Monitoring Network (a web-based real-time air quality data acquisition and reporting system) to increase the utility of the system and encourage the expansion of the system to include Fairbanks and other communities; and
15. beginning January 1, 2013, assume primary responsibility for the support contract for the DR DAS system which provides data acquisition for the Alaska Air Monitoring Network and web-based access to air quality data from this network to the public. The contract will also provide the new capability to report AQS data through the EPA Exchange Node. ADEC will charge MOA for the

prorated cost of the DR DAS web based data acquisition system contract on an annual basis, not to exceed \$5,000 depending on the services provided.

**B. The MOA will:**

1. operate and maintain the MOA criteria pollutant ambient air monitoring network (currently CO, ozone, PM-10, and PM-2.5) as required in accordance with state and federal regulations, guidelines, and the yearly ADEC/MOA and MOA/EPA monitoring work plans;
2. complete a one-year ambient lead monitoring study at Merrill Field Airport as described in the work plan submitted to the EPA and shared with ADEC;
3. maintain and operate instruments to obtain accurate, precise, and valid ambient air quality data;
4. provide in writing, changes to or new monitoring site locations and installations as required;
5. at the time of submission to EPA, provide ADEC with a courtesy copy of the air work plan required under the Municipality's direct grant with EPA;
6. submit to ADEC, in writing, a request for approval of significant changes in the MOA monitoring network such as the decommissioning or commissioning of monitoring sites;
7. review documents provided by ADEC such as audit reports and Quality Assurance Project Plans (QAPP) developed by the State for monitoring projects in the Municipality;
8. develop Quality Assurance Project Plans (QAPP) and Natural Events Action Plans (NEAP) when required by EPA monitoring rules;
9. participate in the state's quality assurance programs, operate all SLAMS and SPM monitoring sites according to the State's QAPP and submit required data to ADEC or EPA;
10. assist ADEC in air quality monitoring systems audits;
11. maintain trained staff capable of operating and maintaining monitoring equipment and coordinate training needs with ADEC to identify potential local and in-state training opportunities;
12. submit quarterly/annually SLAMS, National Air Monitoring System (NAMS), and SPM air quality monitoring data to EPA to meet AQS data submittal

requirements. If requested, provide courtesy copies of other air monitoring data from SPM surveys and special studies to ADEC as it becomes available;

13. prepare an annual monitoring network plan and develop recommendations for any changes which may be necessary in coordination with the ADEC and EPA;

14. assist ADEC in the preparation of the Anchorage components of the five year monitoring network assessment past due to EPA in 2010;

15. continue to implement the MOA's emergency episode plan for criteria air pollutants. When episodes are detected which occur due to natural events, provide documentation and an Exceptional Events Action Plan to ADEC following guidance provided in EPA's Exceptional Events Policy;

16. provide a daily recorded telephone message providing air quality information to the public each weekday morning (excluding holidays) that includes a summary report of the Air Quality Index (AQI) on the previous day and a forecast of the AQI for the next 24 hours;

17. issue air pollution alerts, warnings, and emergencies to the public in accordance with state regulations and local ordinance;

18. work cooperatively with ADEC to continue to develop and upgrade the Alaska Air Monitoring Network to increase the utility of system and encourage the expansion of the system to include Fairbanks and other communities; and

19. in accordance with the table in Section VII Compensation, MOA will pay ADEC for the prorated cost of the DR DAS contract on an annual basis.

### **III. Permitting**

For the purpose of this MOU, an ADEC air quality control permit also includes a pre-approved emission limit, letter of authorization for operation under an owner requested limit or general permit, as well as a minor permit, a construction permit, and an operating permit.

#### **A. ADEC will:**

1. upon request, provide ADEC procedures and guidelines on: permitting, enforcement, surveillance, inspection, ambient air quality monitor siting, and record keeping to MOA;

2. notify MOA in writing when it receives an application for an air quality control permit, permit renewal, or permit revision request in the MOA even if ADEC determines the source does not require an ADEC permit. Upon written request from MOA, ADEC will send copies of correspondence and written documentation related to the application, renewal or request for revision within 5 working days of the request;
3. notify MOA in writing when the deadlines for a complete application determination and permit issuance have been set;
4. if requested by MOA, provide MOA with access to all methodology and procedures used in evaluating each ADEC air quality control permit application;
5. if deemed appropriate and germane to developing an air quality control permit, permit revision or permit renewal, send out a request for additional information based partially or wholly on the MOA's written request, if MOA submits the written request to ADEC in a timely manner;
6. for each stationary source, send a copy of the signed air quality control permit, permit revision or permit renewal to MOA;
7. if requested by MOA, after completion of training and adoption of new municipal air quality ordinances and associated documents, delegate permitting for all sources within the Municipality to MOA for which municipal ordinances are of equal to or greater stringency than ADEC requirements; and
8. after delegation to MOA, notify all ADEC-permitted sources within the boundaries of the Municipality affected by the delegation that the department has granted responsibility for the permitting process to MOA.

**B. MOA will:**

1. send copies to ADEC's Air Permits Anchorage Office of correspondence and written documentation of contact with applicants seeking a renewal of an existing permit for a stationary source located in the Municipality, if the applicant's source would require an ADEC permit as a result of modifications proposed by the applicant. MOA will send copies in a timely manner after contact or receipt of written documentation. If an ADEC air quality control permit is necessary, MOA will not write a municipal permit;
2. review ADEC air quality control permit provisions with ADEC;
3. if requested by ADEC, submit copies to ADEC of correspondence and written documentation of permits issued by MOA;

4. schedule time for MOA staff training in permitting; and
5. maintain air quality ordinances consistent with ADEC air quality control regulations.

#### **IV. Stationary Source Inspection and Enforcement**

##### **A. ADEC will:**

1. maintain oversight of those stationary sources under an ADEC air quality control permit;
2. conduct on-site and full compliance evaluations of those stationary sources under an ADEC air quality control permit in accordance with the department's compliance monitoring schedule, with MOA invited to join ADEC on selected on-site compliance evaluations;
3. give appropriate advance notice to MOA on selected on-site compliance evaluations and any changes in the scheduled evaluations;
4. take enforcement action on an ADEC-permitted stationary source, if a unit at that source is found to be in violation of ADEC air quality control regulations;
5. collaborate with the MOA to provide in-state EPA Method 9 opacity training and certification if private sector providers do not provide adequate service to Alaska industry and regulators; and
6. refer to MOA any air quality complaints within Anchorage Municipal limits not related to stationary sources under an ADEC air quality control permit.

##### **B. MOA will:**

1. maintain oversight of those stationary sources under a MOA air quality control permit;
2. conduct on-site and full compliance evaluations of those stationary sources under a municipal air quality control permit with ADEC invited to join MOA on selected on-site compliance evaluations;
3. give appropriate advance notice to ADEC of selected on-site compliance evaluations and any changes in the scheduled evaluations;

4. take enforcement action on a MOA-permitted stationary source, if a unit at that source is found to be in violation of state or municipal air quality control regulations;
5. collaborate with the ADEC to provide in-state EPA Method 9 opacity training and certification, if private sector providers do not provide adequate service to Alaska industry and regulators; and
6. refer to ADEC any air quality complaints related to stationary sources under an ADEC air quality control permit.

## **V. Open Burn**

### **A. ADEC will:**

1. review and issue open burn approvals to stationary sources in the Municipality that are regulated under AS 46.14.130(b);
2. inform stationary sources regulated under AS 46.14.130(b) that they are also obliged to meet open burn ordinance requirements contained in Anchorage Municipal Code Section 15.35.100 and that this may entail obtaining open burn permits from the MOA for certain activities not regulated by ADEC;
3. work with MOA to develop consistency in the permitting process and the terms and conditions applied to open burn permits within the Municipality;
4. prior to issuing an open burn approval for a prescribed fire, significant land clearing operation or fire training exercise within the Municipality, notify MOA that an application has been received. If requested by MOA, send a copy of the permit application and draft permit to solicit input from MOA on the terms and conditions of the permit. ADEC will provide a copy of all open burning permits issued within the Municipality to the MOA; and
5. develop and implement a system to provide notice to the MOA when applications for open burning in the Mat-Su and Kenai Borough are received if those activities have a reasonable potential to affect air quality in the Municipality. This notification system will be implemented as soon as possible based on available resources. Until then, ADEC will continue to provide the MOA with copies of all open burning approvals issued in the Mat Su and Kenai.

**B. MOA will:**

1. take the primary role in the issuance of open burn approvals within the Municipality for open burning activities on properties or stationary sources not regulated under AS 46.14.130(b);
2. take primary role issuing MOA open burn permits for open burning activities regulated under MOA ordinance except those that meet ADEC open burn minimum size thresholds described under 18 AAC 50.065 at a stationary source regulated under AS 46.14.130(b);
3. develop and/or maintain local open burning regulations consistent with requirements in State statutes and ADEC regulations;
4. work with ADEC to develop consistency in the permitting process and the terms and conditions applied to open burn permits within the Municipality;
5. prior to issuing an open burn approval for a prescribed fire, significant land clearing operation, or fire training exercise, notify ADEC that an application has been received. If requested by ADEC, send a copy of the permit application and draft permit to solicit input from ADEC on the terms and conditions of the permit; and
6. if requested, provide ADEC with copies of open burning permits issued within five working days of request.

**VI. Air Quality Planning**

The MOA will continue its efforts to maintain the national ambient air quality standards for CO and particulate matter (PM). This will include the study and possible implementation of reasonable, cost-effective strategies designed to further reduce ambient concentrations which will aid the MOA in maintaining the health standards. These strategies shall be identified in the State Implementation Plan (SIP) for air quality.

MOA and ADEC will work cooperatively to ensure that the air pollution emission control programs committed to in the SIP are fully-implemented. If a decision is made to modify any of the control programs identified in the SIP, the MOA and ADEC will work together to amend the SIP to reflect these changes.

**A. ADEC will:**

1. provide technical and administrative assistance to the MOA in the development and processing of SIP revisions for attainment and maintenance of the national ambient air quality standard for CO and PM;
2. assist the MOA in its dealings with EPA, particularly in the development of SIP revisions;
3. process locally-developed SIPs through the state regulatory process and submit state-approved plans to EPA for final federal approvals;
4. participate in the inter-agency consultation process to insure federally-funded projects within the MOA conform to the SIP; and
5. provide support for EPA Motor Vehicle Emission Simulator modeling efforts needed for conformity, and emission inventory development.

**B. MOA will:**

1. take the primary role, in conjunction with the Anchorage Metropolitan Area Transportation Study (AMATS) organization, for all CO and PM planning for areas within the Municipality;
2. prepare amendments to the SIP, as necessary, to reflect local or State decisions that substantially change air pollution emission control programs committed to in the SIP;
3. coordinate with AMATS, as necessary, to meet SIP deadlines for CO and PM;
4. continue its efforts to maintain the national ambient air quality standards for CO and PM;
5. continue to study, identify and implement additional strategies to further reduce ambient CO and PM as needed in the Municipality; and
6. participate in the inter-agency consultation process to ensure federally-funded projects within the MOA conform to the SIP.

**VII. Compensation**

MOA shall remit to ADEC the prorated share of contract costs for the DR DAS data acquisition system based on the cost breakout in the table below, no later than March 15, 2013. ADEC and MOA will evenly split the fixed costs for the Envista ARM system

and website. The cost for the Envistas FW licenses will be based on the number of licenses used by MOA.

<b>2013 Licensing, Maintenance &amp; Support</b>							
	<b>Unit cost</b>	<b>cost type</b>	<b>Qty</b>	<b>Cost</b>	<b>Qty</b>	<b>MOA part</b>	<b>ADEC part</b>
Envista ARM system	\$3,500	fixed cost	1	\$3,500	50% split	\$1,750	\$1,750
Envistas FW licenses	\$75	per site	10	\$750	5	\$375	\$375
Envista ARM website	\$2,500	fixed cost	1	\$2,500	50% split	\$1,250	\$1,250
Filter PAQC	\$1,200	fixed cost	1	\$1,200		\$0	\$1,200
XML Reporter	\$1,200	fixed cost	1	\$1,200		\$0	\$1,200
<b>TOTAL</b>				<b>\$9,150</b>		<b>\$3,375</b>	<b>\$5,775</b>

### VIII. General Provisions

#### A. Term

This Agreement, when signed by both parties, shall commence on July 1, 2012 and be completed on June 30, 2013.

#### B. Amendment

This Agreement may only be amended, modified or changed in writing, and executed by authorized representatives of the parties. The only representatives authorized to amend, modify or change the terms of the Agreement are:

ADEC: Commissioner or Approved Designee

MOA: Mayor, Municipal Manager or Approved Designee

#### C. Notices

Any notice required pertaining to the subject matter of this agreement shall be personally delivered, sent via facsimile (FAX) or electronic format, or mailed by prepaid first class registered or certified mail, return receipt requested to the following address:

Municipality of Anchorage  
 Director, Department of Health and Human Services  
 P.O. Box 196650  
 Anchorage, AK 99519-6650  
 FAX: 907-343-6740

Alaska Department of Environmental Conservation  
Director, Air Quality  
410 Willoughby Ave, Ste. 303  
Juneau, AK 99801  
FAX: 907-465-5070

#### D. Jurisdiction

Any civil action arising from this agreement shall be brought in the Superior Court Third Judicial District of the State of Alaska at Anchorage. The laws of the State of Alaska shall govern the rights and duties of the parties under this agreement.

#### E. Integration

This agreement and all appendices and modifications hereto embody the entire agreement of the parties. There are no promises, terms, conditions or obligations other than those contained herein; and this agreement shall supersede all previous communications, representations or agreements, either oral or written, between the parties hereto.

#### F. Permits and Laws

The parties agree to acquire and maintain in good standing all permits, licenses, and other entitlements necessary to their performance under this Agreement. All actions taken by the parties under this Agreement shall comply with all applicable laws, statues, ordinances, and rules and regulations.

#### G. Indemnification

Each party shall defend, indemnify, save and hold harmless the other party from and against any and all claims, lawsuits, or liability, including attorney fees and costs, allegedly arising out of, in connection with, or incident to any loss, damage or injury to persons or property or from any wrongful or negligent act, error or omission of indemnifying party or indemnifying party's agents, employees, contractors, subcontractors or representatives, occurring during the course of or as a result of the indemnifying party or indemnifying party's employees, contractors, subcontractors or representatives performance pursuant to this Agreement.

#### H. Termination

The Agreement may be terminated:

1. by mutual consent of the parties;

2. for convenience of one party, provided that the terminating party notifies the other party of its intent to terminate at least sixty (60) days prior to the effective date of the termination; or

3. for cause, by either party where the other party fails in any material way to perform its obligations under the Agreement. Termination is subject to the terminating party notifying the other party of its intent to terminate, stating with reasonable specificity the grounds therefore, and the other party fails to cure the default within thirty (30) days after receiving the notice.

#### I. Duties Upon Termination

All notes, data collected, and any draft reports shall be submitted to ADEC or MOA depending upon which party funded a specified project, within thirty (30) days of termination of this agreement by either party.

#### J. Funding

1. Payments under this Agreement require funds from future appropriations and are subject to future appropriations. If sufficient funds are not appropriated for payments required under this Agreement, the Agreement shall terminate without penalty to MOA and MOA shall not be obligated to make payments under this Agreement beyond those which have previously been appropriated. Financial payments set out in this agreement shall not set precedent for any future agreement.

2. Nothing in this Agreement shall be construed as obligating ADEC and MOA to the expenditure of funds, or for the future payment of funds, in excess of that authorized by this agreement.

3. MOA may provide funding to ADEC for performing special projects negotiated under this Agreement after review and approval of a specific work plan and timeline. If this occurs, this Agreement must be amended to allow exchange of funds for special projects.

4. ADEC may provide funding to MOA for performing special projects negotiated under this Agreement after review and approval of a specific work plan and timeline. If this occurs, this Agreement must be amended to allow exchange of funds for special projects.

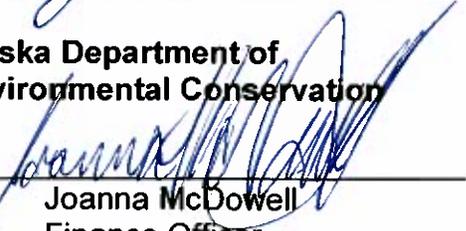
IN WITNESS WHEREOF, the parties have executed this Agreement.

**Alaska Department of  
Environmental Conservation**

By   
Larry Hartig  
Commissioner

Date June 15<sup>th</sup> 2012

**Alaska Department of  
Environmental Conservation**

By   
Joanna McDowell  
Finance Officer

Date 6/11/12

**Municipality of Anchorage**

  
Mayor, Municipal Manager  
or Authorized Designee

Date 6/5/12

**Municipality of Anchorage  
Fund Certification**

  
Lucinda Mahoney, CFO

Date 5/18/12

241-2539XXG-3101-2539XX-BP2013 \$5,000  
(2013 Air Quality Grant)  
(Subject to Appropriation)