

## **Description of Proposed Methodology & Equipment / Cost Proposal / Project Schedule**



January 7, 2026

City of Deer Park

Mayor, City Manager, & Emergency Management

Deer Park, TX

Re: Air Monitoring Action/Notification Levels for Deer Park Ambient Air Monitoring System and Public Communication – Updated cost estimate to include changes to public information material, handheld equipment and system installation.

CTEH prepared the present scope of work and cost estimate to help support the development of air monitoring action/notification levels for the ambient air monitoring system which the City of Deer Park intends to purchase. Communicating timely information to residents in the City of Deer Park will be key in the process for taking action in data collection. Along with CTEH's Toxicologist clearly defining actions for concentrations of chemicals that will be monitored, Public Affairs will create the information that can be distributed to the public as timely information.

## Objective

The objective of this scope of work is to produce a guidance document on behalf of the City of Deer Park Emergency Management. This guidance document would include single-page summaries for each of the nine chemicals for which air monitoring sensors are being considered. These chemicals include VOCs, hydrogen sulfide, chlorine, ammonia, sulfur dioxide, nitrogen dioxide, methyl mercaptan, hydrogen chloride, and particulates. Each summary will include a table of relevant emergency response reference levels and a brief description of potential acute adverse health effects against which these levels are protective. Each summary will also include a table of proposed notification levels (concentrations and durations) for which Emergency Management may want to receive text/email alerts within the system and potentially issue and adjust community action notifications, such as shelter-in-place.

## Toxicology & Public Affairs

Based on the proposed scope of work, CTEH anticipates an approximate cost of \$9,000 to complete the task described above, which represents approximately \$1,000 for each of the nine chemicals for which sensors are being considered within the air monitoring equipment. CTEH will work with the manufacturer to determine alarm schedule for each sensor through the data platform.

Our Public Affairs services will provide your organization with comprehensive support in public communications, media relations, and crisis communication management. We offer customized solutions tailored to meet your specific needs, with a focus on transparency, engagement, and strategic messaging. For the rollout of the air monitoring program, we will focus on internal communication of information and messaging for the public if action levels are experienced during an event. CTEH will develop Canned Statements & Holding Statements for Air Monitoring Notifications. Previous estimate included public education related to data collection and notification reporting. We are available to develop this material at a later date when the City is ready to share the program with the public.

- Development of copy for the following (includes up to nine (9) chemicals of concern):
  - Social media statements and graphic
  - Text message alerts
  - Website notifications
  - Media holding statements

**Estimated Investment - \$6,000**

- Air Monitoring System Handbook -- Development and organization of comprehensive handbook that includes:
  - Policies
  - Procedures
  - Community Messaging Statements
  - Notification Process

**Estimated Investment - \$15,000**

- CTEH Project Manager - support data communication and training for the first week of pilot testing the instrumentation and data dashboard
  - 10 total hours
  - Training, meetings & implementation of program for city employees

**Estimated Investment - \$2,200**

**CTEH Cost – Toxicology and Public Affairs messaging development \$32,200.00**

\*\* Equipment Proposal included from Inteccon – \$147,263.30 (2026 updated cost)

- 2 OIZ-POLLUSENSE – handheld Instruments
  - PM2.5, PM10, PM1, PM100(TSP), H2S, VOC, Cl2, NH3, SO2, NO2, CH3SH, HCl
- 4 OIZ-POLLUDRONE -stationary equipment
  - PM2.5, PM10, PM1, PM100(TSP), H2S, VOC, Cl2, NH3, SO2, NO2, CH3SH, HCl, TEMPERATURE, PRESSURE HUMIDITY
- SIM Card with 3-year service activation
- Reports, Alerts, Display & Analytics
- 1 round of replacement sensors for devices (approximately at 2 years of use)
- Factory calibration, Configuration and Installation of all devices & shipping

**Administrative markup for Inteccon @10% = \$14,726.33**

Surety Bond Premium (1.5% Annually – 4-Year Term) = \$1,151.92

**TOTAL 4 YEAR PROGRAM \$195,341.55**

We appreciate the opportunity to support the City of Deer Park's air monitoring program.

A handwritten signature in black ink that reads "April Steger". The signature is fluid and cursive, with "April" on the top line and "Steger" on the bottom line.

April Steger VP, Sales

Senior Consultant

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