

TREASURE COAST REGIONAL PLANNING COUNCIL

MEMORANDUM

To: Council Members

AGENDA ITEM 8J

From: Staff

Date: June 17, 2016 Council Meeting

Subject: 2016-2017 Hazards Analysis Contract Agreement

Introduction

The Emergency Planning and Community Right-to-Know Act is administered by the U.S. Environmental Protection Agency (EPA) and implemented by the Florida Division of Emergency Management (FDEM). The purpose of this act is to encourage emergency planning efforts at the state and local levels and to increase the public's access to information about the potential chemical hazards that exist in their community. As part of this act, FDEM annually provides hazardous materials grant funding to counties.

Background

The Hazards Analysis program provides county emergency management and fire rescue hazardous materials teams with site specific facility information regarding Extremely Hazardous Substances (EHSs). Under the agreement, facilities that store, manufacture, and or transport EHSs are subject to an on-site compliance visit to ensure accuracy reporting. The analysis includes facility information, historical accident records, hazards identification, chemical identities, vulnerability analyses, and a risk analysis (probability of release). Upon FDEM approval, the completed analysis and information are provided to EHS facilities, fire rescue agencies, and county emergency management offices.

St. Lucie County has requested Council staff prepare facility hazards analysis on behalf of the county. A completed analysis will be submitted to FDEM for review and approval. The scope of work for the agreement is included as Exhibit A. For Fiscal Year 2016-2017, Council is to receive the amount of \$6,837.00 for the completion of the St. Lucie County Hazards Analysis.

Recommendation

Council should authorize the Executive Director to execute the final contract agreement on behalf of Council.

Attachment

Exhibit A

SCOPE OF WORK

Purpose

On October 17, 1986, Congress enacted the Emergency Planning and Community Right to Know Act (EPCRA), also known as Title III of the Superfund Amendments and Reauthorization Act (SARA). EPCRA requires hazardous chemical emergency planning by Federal, State and local governments, Indian Tribes, and industry. Additionally, EPCRA required industry to report on the storage, use and releases of certain hazardous materials.

At the Federal level, the U.S. Department of Environmental Protection Agency (EPA) administers EPCRA.

At the state level, the Florida Division of Emergency Management (DEM) serves as the lead agency responsible for oversight and coordination of the local planning efforts required by EPCRA. Chaired by the Director of DEM, the State Emergency Response Commission on Hazardous Materials (SERC) serves as a technical advisor and information clearinghouse for state and federal hazardous materials programs. Additionally, the SERC conducts quarterly public meetings in varying locations throughout the state. Currently, SERC membership consists of 28 Governor-appointed individuals who represent the interests of state and local government, emergency services, industry and the environment.

At the district level, Regional Planning Councils (RPCs) each oversee a Local Planning Committee (LEPC) that: (1) performs outreach functions to increase hazardous materials awareness; (2) collects data on hazardous materials stored within the geographical boundaries of the RPC; (3) develops hazardous materials emergency plans for use in responding to and recovering from a release or spill of hazardous or toxic substances; (4) submits hazardous materials emergency plans to the SERC for review; (5) provides the public with hazardous materials information upon request. LEPC membership consists of local professionals representing occupational categories such as firefighting, law enforcement, emergency management, health, environment, and/or transportation.

At the local level, each of Florida's 67 counties performs a hazards analysis (county may elect to contract to the RPC or qualified vendor). The county hazards analysis is used as input to the LEPC Emergency Response Plan for Hazardous Substances required under EPCRA and encompasses; identification of facilities and transportation routes of extremely hazardous substances (EHS); description of emergency response procedures; designation of a community coordinator and facility emergency coordinator(s) to implement the plan; outline of emergency notification procedures; description of how to determine the probable affected area and population by releases; description of local emergency equipment and facilities and the persons responsible for them; outline of evacuation plans; a training program for emergency responders; and, methods and schedules for exercising emergency response plans. This Agreement provides funding so that the Recipient, can assist in maintaining the capability necessary to perform the duties and responsibilities required by EPCRA. The recipient shall update the hazards analysis for all facilities listed in Attachment C, which have reported to the State Emergency Response Commission the presence of those specific Extremely Hazardous Substances designated by the U.S. Environmental Protection Agency in quantities above the Threshold Planning Quantity. The data collected under this Agreement will be used to comply with the planning requirements of the Superfund Amendments and Reauthorization Act of 1986, Title III, "Emergency Planning and Community Right-To-Know Act of 1986" and the Florida Emergency Planning and Community Right-To-Know Act, Florida Statutes, Chapter 252, Part II.

Requirements

- A. The Recipient shall submit a list of facilities within the geographical boundaries of the County listed on Attachment C that are suspected of not reporting to the State Emergency Response Commission the presence of Extremely Hazardous Substances in quantities above the Threshold Planning Quantity, as designated by the U. S. Environmental Protection Agency.

- B. The completed hazards analysis shall comply with the site-specific hazards analysis criteria outlined below for each facility listed in Attachment C. The primary guidance documents are Attachment I (Hazards Analysis Contract Checklist and CAMEO*fm* Guide) to this Agreement and the U.S. Environmental Protection Agency's "Technical Guidance for Hazards Analysis" at: <http://www.epa.gov/emergencies/docs/chem/tech.pdf>. All hazards analyses shall be consistent with the provisions of these documents. Any variation from the procedures outlined in these documents must be requested in writing, submitted in advance and approved by the Division.
- C. Conduct an on-site visit at each Attachment C facility to ensure accuracy of the hazards analysis. Each applicable facility's hazards analysis information shall be entered into the U.S. Environmental Protection Agency's latest **CAMEO*fm* version 3.0.1 (download from):** <http://www.epa.gov/emergencies/content/cameo/index.htm>. Each facility hazards analysis shall include, but is not limited to, the following items:
1. Facility Information (**CAMEO*fm* Facility Page**)
 - (a) Enter the facility name (per Attachment C) in the Facility Name field.
 - (b) Enter the facility physical address (no Post Office Box) in the Street Address fields of the Address tab.
 - (c) Enter the geographic coordinates (in decimal degrees) in the latitude/longitude fields of the Map Data tab.
 - (d) Enter the maximum number of employees present at the facility at any given time in the Number of Employees on Site field of the ID Codes tab. (a minimum of one is required for unmanned facilities)
 - (e) Enter the Facility phone number in the Facility Phones tab field.
 - (f) Enter the name, title and 24-hour phone number of the designated facility emergency coordinator in the Contacts tab field.
 - (g) Enter the main route(s) used to transport chemicals to the facility (from the County line to the facility) in the notes tab of the Facility Page.
 - (h) Enter the route(s) used to exit the Vulnerable Zone(s) in the notes tab of the Facility Page.
 - (i) Enter any past releases that have occurred in the last five years at the facility in the notes tab of the Facility Page. Include date, time, chemical name/quantity and number of persons injured or deaths (this information is available from the facility). If it is determined that a facility does not have a historical accident record, that shall be noted.
 2. Hazard Identification (**CAMEO*fm* Chemical in Inventory Page**)
 - (a) For each Extremely Hazardous Substance present over the Threshold Planning Quantity (TPQ), create a Chemical in Inventory page (if a Chemical in Inventory page hasn't been created already) and enter the proper chemical name and Chemical Abstract Service (CAS) number.
 - (b) On each Chemical in Inventory page created for each Extremely Hazardous Substance present over the TPQ, enter in pounds (not range codes) the maximum quantity of each Extremely Hazardous Substance in the Max Daily Amount field of the Physical State and Quantity tab.

- (c) Enter the amount (in pounds) of each Extremely Hazardous Substance stored in the largest container or interconnected containers in the Max amount in largest container field of the Physical State and Quantity tab (**this is the release amount used to determine the Vulnerable Zone**).
- (d) Choose the appropriate code from the drop down list for the Type of storage container (drum, cylinder, tank etc.), storage pressure (ambient, greater than ambient etc.) and storage temperature (ambient, greater than ambient etc.) of each Extremely Hazardous Substance in those fields on the Location tab.
- (e) For each Extremely Hazardous Substance over TPQ, On the Physical State & Quantity tab check the appropriate boxes in the Physical State, Hazards and Health Effects fields (information on the above may be found by clicking on the Datasheet button which opens the CAMEO*fm* Chemicals database.)

3. Vulnerability Analysis (**CAMEO*fm* Scenario Page**)

- (a) For each Extremely Hazardous Substance present over the Threshold Planning Quantity (TPQ), create a New Scenario page (if a Scenario page hasn't been created already) and enter the maximum amount in the largest container or interconnected containers in the Amount Released field of the Scenario Description tab.
- (b) On the Scenario page(s) Scenario Description tab, enter the concentration percentage in the Concentration field.
- (c) On the Scenario page(s) Scenario Description tab, enter the release duration in the Release Duration field as follows:
 - (1) Gases – 10 minutes
 - (2) Powders or solids in solution – 10 minutes
 - (3) Liquids – No value shall be entered**
- (d) Enter the proper natural physical state of the chemical at room temperature in the physical state field. (as specified in CAMEO*fm* Chemicals)
- (e) On the Scenario page(s) Scenario Description tab, use the weather default settings or, enter average wind speed (**don't enter a value in the Wind From field**) and Urban or Forest is recommended in the Ground Roughness field.
- (f) On the Scenario page(s) Scenario Description tab, rate the Risk, Consequences and Overall Risk of a release occurring at the facility on the bottom of the Scenario Page (the Risk Assessment should be based upon the Extremely Hazardous Substance, previous release history, maintenance conditions etc.).
- (g) After entering the information noted above on the Scenario Description tab and clicking on the Estimate Threat Zone Radius button, CAMEO*fm* will automatically estimate the extent of the vulnerable zone that may cause injury or death to human populations following an accidental release.
- (h) On the Scenario page(s) notes tab, enter an estimate of the total exposed population within the vulnerable zone(s).
- (i) On the Scenario page(s) notes tab, identify each critical facility by name and maximum expected occupancy within the vulnerable zone(s) (schools, day cares, public safety facilities, hospitals, etc.). If there are no critical facilities within the vulnerable zone(s), that shall be noted.

D. Supporting documentation in the form of Site Visit Certification Form, Statement of Determination or dated letter from the facility identifying the reason the EHS is no longer present shall be submitted to the Division which lists the facilities for which a hazards analysis was not completed.

E. On-Site Visits

1. Conduct a detailed on-site visit, within the period of this Agreement, of all the facilities listed in Attachment C, to confirm the accuracy and completeness of information in the hazards analysis.
2. Submit a completed Hazards Analysis Site Visit Certification Form (Attachment J) for each facility to the Division (file name must contain at minimum the SERC number if applicable and SV – if SERC number is not available facility name and SV – additional info allowed but not required). **Add the site visit certification form to the Site Plan Tab of the CAMEO^{fm} Facilities Page for each facility visited or contacted.**

(a) On-Site visit exception for sulfuric acid (batteries), this exception does NOT apply to bulk storage of sulfuric acid.

- (1) For facilities listed on Attachment C that report the presence of only sulfuric acid in batteries, an initial on-site visit is required and an on-site visit form (Attachment J) signed and dated by the facility representative and the Recipient shall be submitted to the Division.
- (2) In Agreements subsequent to the initial on-site visit, the Recipient shall contact the facility representative by email or telephone to verify the presence of all extremely hazardous substances. The on-site visit form shall be signed by the Recipient and identify the date and facility contact information. Another on-site visit is not required in subsequent Agreements, unless, the facility reports the presence of another extremely hazardous substance above TPQ.
- (3) If a facility representative reports the presence of an extremely hazardous substance other than sulfuric acid in batteries, subsequent to the period of Agreement in which the initial site visit was conducted, the Recipient shall conduct an on-site visit and submit a completed on-site visit form (Attachment J) to the Division.

3. **For each facility for which a hazard analysis is conducted, a site plan must be added to the site plan tab of the CAMEO^{fm} Facilities Page.** (file name must contain at minimum the SERC number if applicable and SP – if SERC number is not available facility name and SP – additional info allowed but not required) The site plan shall contain sufficient information to provide situational awareness and at a minimum include:

- (a) Location of major building(s)
- (b) Name and location of extremely hazardous substance(s). If multiple extremely hazardous substances are co-located, noting EHS is acceptable.
- (c) Name and location of street(s)
- (d) Identify pertinent access and egress point(s)
- (e) Note any additional features pertinent to hazmat and medical response

F. Ensure that the Hazards Analysis information is reflected in the County Local Mitigation Strategy.