



# DELAWARE STATE EMERGENCY RESPONSE COMMISSION ANNUAL REPORT Fiscal Year 2016

Submitted to  
**Governor Jack A. Markell**



Prepared by the  
**Delaware Emergency Management Agency**

Note: SERC meeting dates, Bylaws, and the Annotated Code of Delaware - Emergency Planning and Community Right-To-Know are on file and available upon request from the Department of Safety and Homeland Security, Delaware Emergency Management Agency (Avery Dalton, SERC Executive Director, Phone 302-659-2229). SERC information is also available on the SERC website at [www.dnrec.delaware.gov/SERC](http://www.dnrec.delaware.gov/SERC).

**STATE EMERGENCY RESPONSE COMMISSION**  
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## **Executive Summary**

The following annual report details the SERC Fiscal Year 2016 (July 1, 2015 – June 30, 2016) activities in support of the federal “Superfund Amendments and Reauthorization Act (SARA) of 1986,” Title III “Emergency Planning and Community Right-to-Know Act” (EPCRA) and Title 16, Chapter 63 of the Delaware Code. The aid and assistance of the business community, emergency responders, planners, county commissioners and state agency personnel has been instrumental in developing and maintaining Delaware’s hazardous materials emergency preparedness.

## **SARA Title III and Title 16, Chapter 63**

On October 17, 1986, President Reagan signed the Superfund Amendment and Reauthorization Act (SARA) into law. Title III of this Act (which is referred to separately as EPCRA) establishes requirements for Federal, State and local governments, and industry regarding emergency planning and community right-to-know reporting on hazardous chemicals. This legislation builds upon the Environmental Protection Agency’s (EPA’s) Chemical Emergency Preparedness Program and numerous state and local programs aimed at helping communities to meet their responsibilities concerning potential chemical emergencies.

The Act requires the governor of each state to designate a State Emergency Response Commission (SERC). On March 17, 1987, the Commission on Hazardous Materials was designated as the Delaware State Emergency Response Commission. Members of the SERC are listed in Attachment 6.

The Act has four major sections: emergency planning, emergency notification, hazardous chemical inventory reporting, and toxic chemical release reporting. The sections are interrelated in a way that unifies the emergency planning and community right-to-know provisions of SARA and Title III. An explanation of these sections follows.

## **Emergency Planning**

The emergency planning sections are designed to develop state and local government emergency preparedness and response capabilities through better coordination and planning, especially at the local level.

The Act requires the establishment of Local Emergency Planning Districts and Committees. Four (4) Local Emergency Planning Districts and Committees (LEPCs) exist in Delaware and are designated as three (3) counties and the City of Wilmington.

LEPC membership includes elected county and municipal officials, police, fire, civil defense, public health professionals, environmental, hospital, and transportation officials as well as representatives of facilities, community groups, and the media.

A list of the LEPC Chairs, membership, and a summary of their Committee’s activities are found in Attachment 3.

The Act also requires the LEPCs to develop hazardous materials emergency response plans. In developing a plan, the local committees evaluate available resources for preparing for and responding to a potential accident involving hazardous materials at the various sites within their jurisdiction.

The SERC is required to review the LEPC plans and make recommendations to the LEPCs on revisions that may be necessary. The SERC fulfilled this mandate and approved all plans for operational use by the LEPCs at its April 1993 meeting. In addition, a biannual review schedule of the LEPC plans was adopted. The biannual review will be conducted in the fall of 2016.

### **Emergency Notification**

If a facility produces, uses, or stores one or more EPA-listed hazardous substances and there is a release that equals or exceeds the reportable quantity, the facility must immediately notify the Department of Natural Resources and Environmental Control (DNREC), the SERC, and the Community Emergency Coordinator (CEC). The notification must identify any area likely to be affected by the release.

In the Delaware Code, notification to DNREC serves as notification to the SERC. Previously, notification to the 911 Centers served as notification to the CEC. With legislation passed in 2003, however, this was changed. Notification to the CECs for the LEPCs is now fulfilled by notification to an “800” number established in 2004.

### **Hazardous Chemical Inventory Reporting**

There are two Community Right-to-Know reporting obligations under the requirement:

- Facilities must prepare or have available safety data sheets (SDSs) (SDSs were formerly known as material safety data sheets MSDSs) under the Occupational Safety and Health Administration (OSHA) hazard communications regulations and Delaware Worker Right-to-Know requirements. For chemicals on-site above certain quantities, facilities shall submit either copies of the SDSs or a list of such substances to the SERC, the LEPC, and the local fire company that provides fire rescue service to the facility. In Delaware, these SDSs or lists are centrally collected and distributed for the SERC through DNREC.
- Chemical inventory forms must also be submitted annually by March 1 for the preceding calendar year. The form contains chemical type, quantities, storage locations, and emergency contact information.

A Delaware Emergency and Hazardous Chemical Inventory form is used for industry’s reporting purposes by the SERC Information and Technology Committee to improve facility reporting.

The form requires additional reporting elements that will further aid the first responder, community, and LEPCs. Originally, completed forms were submitted to DNREC, Division of Waste and Hazardous Substances (DWHS), where the information was entered into a database and made available to the LEPCs, 911 Centers, and other approved users for their purposes.

Beginning with reports due March 1, 2006, a new on-line Web-based reporting system was implemented, Tier II Manager. This system allows facilities to register and report on-line through a secure web-site. Submitted data is immediately available on-line for access by approved emergency planning and response organizations. The system also allows facilities to pay reporting fees electronically on-line.

Between January and July 2016, approximately 2002 facilities reported on chemicals used/stored on site with 100% reporting on-line.

### **Toxic Chemical Release Reporting**

This section of the act requires EPA to establish an inventory of toxic chemical emissions from certain facilities. The purpose is to inform government officials and the public about releases of toxic chemicals into the environment. It also provides for assistance with research and in the development of regulations, guidelines, and standards.

The reporting requirement applies to owners and operators of manufacturing facilities that have ten or more full-time employees that are in Standard Industrial Classification (SIC) codes 20 through 39, and that manufacture, process, import 25,000 lbs., or otherwise use 10,000 lbs. of a listed toxic chemical. Subject facilities must report these emissions annually by July 1 for the preceding calendar year. Beginning with the 1998 reports due in 1999, seven additional industry categories were also added, including electric generation and bulk petroleum distribution facilities. Beginning with the 2000 calendar year reports due in 2001, substantially lower reporting thresholds were established for a number of chemicals classified as persistent, bio accumulative toxic (PBT) chemicals. The Federal Form R, Toxic Chemical Release Inventory (TRI) Reporting Form is used. Copies are submitted to EPA and State.

For a number of years, EPA has made software available for facilities to compile their TRI reports on computer, and submit their reports on diskette. Beginning in 2006, Delaware implemented a process involving TRI reporting to EPA's Central Data Exchange (CDX). Rather than submitting disks, this process allows facilities to submit their electronic reports through the internet to EPA. EPA in turn pushes a copy of the submittal to the State, to its Exchange Network Node. With this streamlined approach, facilities only need to submit reports once to EPA. Delaware then automatically receives the reports, instead of requiring the facility to submit their reports separately to the EPA and to the state.

Although these reports are not emergency oriented, the data submitted is vital to analysis of situations and supports release prevention. It supports the Community Right-to-know principle by providing the public with essentially an "annual report card" on management of toxic chemicals by facilities.

In Delaware, TRI submissions are directed to DNREC, Division of Waste and Hazardous Substances (DWHS). DNREC typically develops and releases an annual report for the public summarizing this TRI data. DNREC's DWHS also processes public requests for all the various

EPCRA information it receives, with the majority of requests being for TRI data. The annual TRI reports are available at online at the SERC website at:

<http://www.dnrec.delaware.gov/SERC/Pages/Reports.aspx>

Other sections of this law provide for confidentiality of trade secrets and public access to all reported information from facilities and emergency response plans.

### **Facilities**

In 1991, the State of Delaware passed its own Emergency Planning and Community Right-to-Know Act (Title 16, Delaware Code, Chapter 63), which built upon the federal requirements and created a funding mechanism for emergency planning activities. These laws established a series of reporting requirements impacting facilities ranging from large industrial sites to small businesses. Facilities can be required to report a variety of information, ranging from chemicals used and stored at the site, to chemicals released to the environment. These requirements essentially mirror the Federal EPCRA requirements described previously, with some additional provisions added at the State level, such as lower reporting thresholds and reporting fees.

### **Exercises**

An exercise program to review the capability of the staff and emergency response personnel to respond to hazardous material incidents continued. Hazardous material events are a regular part of natural and technological hazards exercise scenarios. Policy, training, and outreach efforts continue to expand in this area.

### **Training**

The State of Delaware Oil and Hazardous Substance Incident Contingency Plan (SERT Plan) was developed to establish policy and emergency response organization for responding to a broad class of hazardous substance incidents. Safe and coordinated response requires the application of specialized techniques and organizational concepts. In general, individual organizations are responsible for tactical training in accordance with the assigned roles in the emergency organization. A state program has been developed to educate and train local and state response personnel. The program is administered by the Fire School and is structured to provide training in accordance with assigned roles in the emergency organization. All SERT responders receive Incident Management System Training.

### **Hazardous Material Decontamination Response Capability**

In Delaware, decontamination capability is provided by three Hazardous Material Decontamination Response (DECON) Teams. The teams are made up of a combination of Volunteer Fire Companies and Career Emergency Medical Service (EMS) agencies and fall under the Department of Natural Resources and Environmental Control Hazardous Materials Branch Manager for the incident. All of the response teams are provided with the training and

equipment necessary to provide specialized HazMat decontamination response throughout the State. Each team is equipped with a state of the art DECON trailer and tow vehicle, which contains specialized equipment for decontamination of HazMat responders and the public and containment of hazardous substances.

New Castle County has an Industrial Hazardous Material Response Alliance (NCC-IHMRA), which was formed in cooperation with the County, local industry HazMat response teams and DNREC. The Alliance consist of approximately 38 volunteers; mostly industry experts, but some members are sponsored by local fire departments. The New Castle County Industrial Hazardous Materials Response Alliance (NCCIHMRRA) team can be activated to enhance state HazMat response capabilities.

### **Revenues**

The Commission collected approximately \$ 295,200 in reporting fees between January and the end of the 2016 fiscal year. Monies in the fund and the interest accrued are appropriated annually. The fiscal year 2016 financial status is reflected in Attachment 5.

### **Operation and Administration of the Commission**

The Delaware SERC instituted bylaws to improve its operation. Regularly scheduled meetings and the establishment of standing committees are some highlights of the bylaws adopted by the Commission. The Standing Committees' members, functions, accomplishments, and goals, are contained in Attachment 2.

### **Outreach and Public Education**

The SERC Committees established a complete set of Emergency Planning and Community Right-to-Know web pages for Delaware. The pages provide SERC, LEPC, and Facility Compliance Information and detail the reporting requirements of the Act. The public information section contains a searchable on-line database of TRI data reported by facilities.

Following the September 11, 2001 terrorist attacks, the Tier II searchable database was removed for security considerations. At the December 2008, meeting the SERC adopted formal procedures for handling public access to EPCRA information. However, the information is still available, as required by EPCRA. Request for Tier II data can be made using the "on-line" request form or through the Freedom of Information Act request process.

During FY 06, the EPCRA web pages for Delaware were converted to a new "common look and feel" format required for all Delaware government related sites. The pages were also moved from their previous location at the Department of Technology and Information, to a server at the Department of Natural Resources and Environmental Control. During the latter half of 2011, DNREC updated their web servers, and migrated the SERC website to a new platform. As a result, the new SERC web address is now [www.dnrec.delaware.gov/SERC](http://www.dnrec.delaware.gov/SERC). The old address



([www.SERC.delaware.gov](http://www.SERC.delaware.gov)) will still work; a pointer is in place that will automatically redirect users to the new page until all related documents are updated to reflect the new address.

Under Federal EPCRA, LEPCs are required to publish newspaper ads annually, informing the public of information available to them under the Act. In Delaware, these ads are developed with the LEPCs through the SERC Information and Technology Committee. The EPCRA ads describe the Emergency Planning and Community Right-to-Know Act, and include general information on the SERC, LEPCs, EPCRA Reporting and Risk Management programs. The ads are published in several Delaware newspapers annually, typically in the August/September time period. SERC and LEPC information and meeting dates are also provided. Interested citizens are encouraged to contact local LEPCs or the SERC and to attend the regularly scheduled meetings for further information.

### **Conclusion**

Delaware's Emergency Planning and Community Right-to-Know Act continues to work well through the dedicated efforts of the partnership of citizens, industry, and the public sector. The Act's implementation provides for public safety and public awareness about chemicals in communities statewide. The 2016 accomplishments of the SERC are in Attachment 1.

## **Attachment 1**

### **SERC Activities**

- The Commission met on quarterly scheduled meeting dates in September, December, March, and June. Business was conducted to support the Emergency Planning and Community Right-to-Know Act (EPCRA). Meetings included:
  - Reports from the four Standing Committees, which included updates on activities and items requiring action by the Commission.
  - Reports from the four LEPCs included updates on five key areas: Meetings, Facility Visits, HazMat Plans, Exercise Status, and Hazardous Material Responses.
  - Briefings from the DNREC/Division of Air Waste Management, which included detailed information on releases and responses.
- SERC Presentations on the following topics/agencies:
  - December 2015 – David Irwin of the New Castle County LEPC, presented a video about the “Railroad Tank Car Hazardous Materials Training Exercise”. The video was funded by HMEP and was made to demonstrate to first responders, local and state government and community groups, the capabilities of first responders to simultaneously handle a crude oil fire and chlorine leak in a simulated freight train incident using a 12- 15 minute videotape. The video can be used for public outreach and to educate other groups.
  - March 2016 - Anthony H. Murray of the Department of Transportation presented the Final Rule of May 8, 2015 entitled “Hazardous Materials: Enhanced Tank Car Standards and Operational Controls for High-Hazard Flammable Trains” which resulted in the development of a training resource for First Responders. The Transportation Rail Incident Preparedness and Response, Flammable Liquid Unit Trains resource materials were developed to provide critical information on best practices related to rail incidents involving hazard class 3 flammable liquids, such as crude oil and ethanol.
  - June 2016 - David Irwin of the New Castle County LEPC, presented an overview of the 9<sup>th</sup> Annual Hazardous Materials Training Workshop. The presentation discussed the training that was offered, the number of attendees, and the workshop sponsors.
- Funded DNREC and Delaware State Fire School HazMat training with Hazardous Material Emergency Preparedness (HMEP) Grant funds.
- Continued to maintain a publicly accessible SERC web page running on Department of Natural Resources and Environmental Control server to make EPCRA information available to the public. Due to security concerns and the Freedom of Information Act (FOIA), detailed information reported by facilities is no longer available on the website. Request for this information must be made in writing and be as specific as possible following FOIA procedures. Requests can also be submitted on line at:  
[http://www.dnrec.state.de.us/air/aqm\\_page/foia.htm](http://www.dnrec.state.de.us/air/aqm_page/foia.htm)
- Continued to support the Decontamination Trailer Committee by replenishing the DECON Trailer Maintenance and Equipment Account.

- Reviewed the allocations of Hazardous Material Emergency Preparedness (HMEP) Grant Budget projections for approved and pending Planning and Training funds.
- Hazardous Material Emergency Preparedness (HMEP) funds were sub-granted to the four Local Emergency Planning Committees (LEPC) for the seventh fiscal year. The Delaware State Fire School was given a sub-grant to conduct the core HazMat training for the State for the fourth year.
- The Commission approved a motion to provide funds for the 9<sup>th</sup> Annual HazMat Training Workshop in the amount of \$4,000.00. The funds were obligated to provide instructor and keynote speaker travel support for the Training Workshop.

**Attachment 2**  
**SERC Standing Committees**  
**Finance and Budget Committee**

**Members**

Chair	SERC Member (DSFS):	Robert P. Newnam
	DE Volunteer Firefighters Association (DVFA):	Sen. Bruce Ennis
	Dept. Natural Resources & Env Control (DNREC):	Robert Pritchett
	HazMat Emergency Preparedness Grant Admin:	Avery Dalton
	Private Sector:	John Verdi

**Function**

- Project probable revenues generated by fee system.
- Review and make recommendations to SERC regarding annual budgets from LEPCs, Information and Technology Committee, and Delaware Emergency Management Agency.
- Explore alternate funding sources.

**Accomplishments for FY 2016**

- Continued the improved format of dispersing the funds directly to the approved agencies from the collecting agency of the fees (DNREC).
- Updated language to better define acceptable budget requests.

**Goals and Objectives for FY 2017**

- Provide, through the SERC, fair and equitable distribution of monies, collected from Delaware Fee Reporting System and other sources, to the four LEPCs, and other eligible parties, so they may meet the requirements imposed by EPCRA and Title 16, Chapter 63 of the Delaware Code.
- To keep all SERC members advised of current revenues, balances, and projections.
- To provide budget preparation materials to all eligible parties in a timely fashion.
- To make necessary adjustments in submitted budgets to ensure equitable funds distribution.
- To recommend approval to SERC the distribution of funds to the LEPCs and other SERC funded entities.
- To maintain a contingency fund of monies.
- To identify additional funding sources or propose fee modifications to allow for continued funding for the LEPC's and other SERC funded entities in anticipation of increased requests.

- To work closely with the Secretary of Safety and Homeland Security, DEMA, and SERC members to ensure all potential and existing funding sources and requests are handled in a manner consistent with accepted practices of State Government.

**Information and Technology (IT) Committee****Voting Members**

Chair (SERC Member)	David Irwin
Vice (DNREC)	Robert Pritchett
Delaware State Fire School (DSFS)	Robert Newnam
Division of Public Health (DPH)	Har Ming Lau
Delaware Emergency Mgmt. Agency (DEMA)	Avery Dalton
City of Wilmington LEPC	George Giles
New Castle County LEPC	Bill McCracken
Kent County LEPC	Brandon Olenik
Sussex County LEPC	Charles Stevenson
River Services	Lynn Krueger

**Function**

- Ensure hazardous material information is made available to emergency planners and responders.
- Oversee development, implementation and operation of information system(s) for collection and management of EPCRA-related facility information for use by emergency planning and response organizations. Coordinate selection and purchase of related software for emergency planning and response. Organize and conduct training on the information systems and software.
- Explore computer-based strategies for enhancing compliance.
- Develop materials to inform the public through community outreach and promote participation in Emergency Planning and Community Right-to-know Act matters.
- Oversee development and maintenance of SERC/LEPC/EPCRA web pages.

**Accomplishments for FY 2016 and Continuing Projects**

- Created and submitted to SERC on 9/9/15 an *EPCRA reports archive policy*. The SERC approved the recommendations, pending review and approval by the Department of Justice, which was received 10/5/2015.

<b>EPCRA Reporting Requirement</b>	<b>EPA Guidance</b>	<b>Proposal for Delaware</b>
<b>Section 302/303</b> - Emergency planning notification, and designation of Emergency Planning Coordinator	5 years	Keep all notices made within last 5 years. Past that, keep most recent notice on file. If facility closes, destroy after five years.

<b>Section 311</b> – Submission of Safety Data Sheet lists and updates, as new chemicals first exceed threshold on site	5 years	5 years
<b>Section 312</b> - Annual Hazardous Chemical Inventory (Tier II) reports	5 years	5 years

## Notes:

- (a) Refers to notices submitted by facilities under 42 U.S.C. §11002(c), 42 U.S.C. §11003(d)(1), and 16 Del. Code Ch. 63 §6303. (Federal requirements codified in 40 CFR Part 355.)
- (b) Refers to submittals under 42 U.S.C. §11021 and 16 Del. Code Ch. 63 §6305. (Federal requirements codified in 40 CFR Part 370.)
- (c) Refers to submittals under 42 U.S.C. §11022 and 16 Del. Code Ch. 63 §6306. (Federal requirements codified in 40 CFR Part 370.)

- Continued implementation of the upgraded Delaware *TierIIManager*<sup>TM</sup> system. The latest software version (T2M v5.2), was loaded March 8, 2016.
  - Activity during this time focused on the facility reporting side of the system, used by sites to submit chemical inventory reports. The DNREC EPCRA Reporting Program tested and worked with the contractor to address system deficiencies and improvements based on feedback from system users, both pre and post the update. This has been and will continue as an ongoing process.
- During January 2016, the DNREC EPCRA Reporting Program held a series of 7 half day training workshops for industry around the State, providing guidance on the reporting requirements and for reporting online. One such workshop was a joint meeting with the Sussex LEPC.
- In accordance with the EPCRA Statute published the annual informational ads in area newspaper statewide, providing information about the SERC, LEPCs and EPCRA in general, as well as information available to the public under the Act. The News Journal and the State News carried the ad on Wednesday 9/30/15.
- Continued distributing outreach materials, including general EPCRA factsheet for industry concerning chemical release reporting requirements.
- Maintained the central “866” toll free number and related voice mailboxes for emergency release notifications by facilities to the LEPC community emergency coordinators.
- Maintained the EPCRA/SERC/LEPC WebPages.
- Managed and tracked the SERC approved IT Committee FY 2016 budget. Prepared and submitted FY 2017 budget request.
- Held meetings on 9/2/15 and 3/23/16 in accordance with State public meeting laws to conduct routine subcommittee business.
  - At the recommendation of the SERC P&T Committee the group discussed promoting the power of *TierIIManager*<sup>TM</sup> among Fire Companies – the committee discussed

- ideas on how to provide training to emergency responders with the goal of completion within 2016.
- SERC-IT determined that two display options would be studied for *TierIIManager*<sup>TM</sup>'s Planner/Responder Module: one that included all available software features for Planning purposes and a second that would have only a select few, or other possible options identified for providing quick/easy access to essential response information for on-scene incidents.
  - Agreed that each Fire District user would be given access just to information for facilities within their District.
  - Agreed that the LEPCs would approve users within their LEPC districts.
  - EPCRA Program staff will continue to review current users and associated license roles by sending out lists to the LEPC Chairs for approval. A subcommittee Chaired by George Giles, Wilmington LEPC, will also develop formalized procedures for review/approval of system users.
  - The subcommittee, led by George Giles will also review and recommend a new configuration of "State Approved" fields within the system, and develop formalized procedures for updating/maintaining these data fields.

### Goals and Objectives for FY 2017

- Continue working to deliver FY 2016 open projects for full implementation by end of CY 2016.
- Continue working with contractor on the new version (.net) of Tier II Manager to correct errors and "bugs" encountered, and improve functionality of the new version. The Committee has established a working sub-group Chaired by George Giles, Wilmington LEPC, that will focus on:
  - Providing formal recommendations to the Committee for upgrades/changes to *Tier II Manager* concerning planning/response capabilities of the system.
  - Develop and recommend a strategy for expanding access to the system to include direct access by local fire departments. Will need to develop procedures for approving Fire Department data users and keeping them current. Follow up with an outreach campaign.
  - Planning for initial and ongoing training for emergency planning and response organizations using the system. Follow up with implementation.
- EPCRA Program staff will organize and present another series of training workshops Tier II Manager users in January 2017.
- Re-evaluate the necessity of providing backup CDs to key planning/response data users.
- Update Tier II HazMat sites layer and other GIS layers previously loaded in Tier II Manager System. Continue efforts working with 911 Fire Dispatch Centers to ensure all Fire Districts, Cross Streets and 911 Address Fields are completed for reporting facilities in Tier II Manager System.
- Continue to publish and update as necessary the required EPCRA annual informational ads in area newspapers statewide.



- Continue maintenance of the EPCRA/SERC/LEPC web pages.
  - Will include effort to update the education/outreach pages
  - Will continue posting meeting dates/minutes on the State meetings calendar, with links from the EPCRA pages.
- Continue maintenance of the toll-free Community Coordinator emergency release notification number.
- Prepare annual budget request for SERC and manage funds.
- Complete other tasks as requested by the SERC and SERC Planning & Training Committee.

### **Planning and Training Committee**

#### **Members**

Chair	SERC Member (DEMA):	A.J. Schall Jr.
	DSFS:	Robert Newnam
	DNREC Response:	Jamie Bethard
	DPH:	Dr. Har Ming Lau
	DNREC/Accidental Release Prevention:	Mark Dolan
	DeIDOT:	Dwayne Day
	Local Emergency Planning Committees:	
	New Castle County:	David Irwin
	Kent County:	Colin Faulkner
	Sussex County:	Charles Stevenson
	City of Wilmington:	George Giles

#### **Function**

- Perform planning functions and provide oversight of training activities.
- Provide EPCRA policy and direction to the LEPCs with SERC approval.
- Establish goals and objectives that support state and Federal EPCRA mandates.
- Review LEPC plans and revisions to ensure compliance with Federal requirements and consistency with SERT Plan.
- Monitor issues related to transportation of hazardous materials in the State of Delaware.
- Examine strategies used by other states and make improvements and/or recommendations.

#### **Accomplishments for FY 2016**

- Provided support for the 9th Annual Hazardous Materials Training Workshop conducted on Friday April 1<sup>st</sup> and Saturday April 2<sup>nd</sup>. The theme of this year's workshop was "Educating Responders for Today and Tomorrow." The Delaware State Fire School hosted the event at the Dover location. Based on attendees and instructors feedback the workshop was an overwhelming success
  - The Friday night dinner was attended by 135 people. A total of 227 first responders from Delaware, Maryland, New Jersey, and Pennsylvania attended Friday's 10 sessions, and 218 first responders received training during the 14 breakout sessions on Saturday.
  - The keynote speaker was Edward Hawthorne who is a Global Emergency Response Discipline Lead for the Shell Oil Company. Mr. Hawthorne is a Life Member of the Aetna Hose, Hook and Ladder Company, Newark Delaware. He is presently the Safety Officer for the Newark, Texas Volunteer Fire Department. Mr. Hawthorne is a graduate of Oklahoma State University Fire Protection and Safety Program. He is past Chair of the

Channel Industries Mutual Aid Association in Houston, Texas. He is also a Charter Member of the National Fire Service Incident Management Consortium, a member of the FEMA Incident Management Working Group, and a member of the San Jacinto Texas Type III Incident Management Team. Mr. Hawthorne has worked with fire departments in Delaware, Oklahoma, Louisiana, California, Arizona, Texas, Singapore, Netherlands, Canada, Argentina, South Africa, and many other areas. The subject of his presentation was demands that have been placed on the fire service, industrial, career, and volunteer community departments that are consequently being stretched by reduced resources and increasing response demands in an increasingly-complex environment. The presentation addressed how this is presently being dealt with across the globe in places such as Singapore, South Africa, Germany, and Australia, and the success of joint industry and community emergency services in several areas of the United States, which have been very successful dealing with major fires, gas releases, hurricanes, and tornadoes.

- Once again the Workshop was funded through contributions from private industry, vendors, HMEP Grant and the generosity of the professional instructors.
- The Committee provided oversight and guidance for the expenditure of the HMEP Grant.
- The Committee arranged for guest speakers at the SERC Quarterly meetings. These included representatives from the railroad industry (Norfolk-Southern and CSX), the oil refining industry (PBF Refinery), and US DHS (Chemical Facility Anti-Terrorism Standards (CFATS)). The presentations centered around how their particular industries and agency affects emergency response in general, hazmat incident preparedness in particular, and lessons learned from real-world events.

### **Goals and Objectives for FY 2016**

- Continuing review and as necessary update all LEPC plans for compliance with state and Federal EPCRA requirements.
- Develop a comprehensive strategy for completing the functions of the Committee and ensuring that the State of Delaware meets or exceeds established requirements.
- Continue to assist the LEPCs with planning and training efforts.
- Provide ongoing oversight of the Hazardous Material Emergency Preparedness Grant Program.
- Continue providing oversight and support for planning and coordination of Annual Delaware Hazardous Material Training Workshop scheduled for April 2016.
- Study and analyze real-world incidents and events related to hazmat incident response, and share lessons learned with the SERC community.

**DECON Trailer User's Group Committee****Members**

Chair	Delaware State Fire School (DSFS):	Robert P. Newnam
Co-Chair	Kent County, LEPC, Decon:	David Mick
	New Castle County LEPC	David Irwin
	New Castle County Decon:	Joseph Leonetti
	Sussex County Decon:	Charles Stevenson
	City of Wilmington:	George Giles
	Dept. of Natural Resources (DNREC):	Jamie Bethard
	Division of Public Health (DPH):	Dr. Har Ming Lau
	DE Emergency Management Agency (DEMA):	Avery Dalton
	Delaware Volunteer Firefighter's Assoc (DVFA):	Allen Metheny

**Function**

- Oversee the operation, training, and maintenance of the three Decon units that the State funded for each county.
- Provide decontamination to emergency service personnel and victims of HazMat incidents.
- Monitor and report on decon operations and activities.

**Accomplishments for FY 2016**

- The Decon Trailer maintenance and equipment account was replenished.
- Participated in the planning of the 9<sup>th</sup> Annual Statewide HazMat Training Workshop.
- Performed the following activities during the year:
  - Reorganized the committee to allow for requests for repairs to be approved in a timely manner.
  - Continued to have units respond to emergency Decon calls
  - Team participated in monthly training programs
  - Completed additional volunteer training programs
  - Provided public outreach programs/demonstrations for the Public
  - Provided standby for events requested by Fire Service, Police, County Agencies
- Sold DECON 1 and placed the funds in the DECON Unit replacement account.

**Goals and Objectives for FY 2017**

- Continue to assess the three DECON teams in an effort to determine equipment and training needs and to pursue these needs through the Department of Homeland Security funding based on the long-range goals and missions developed by the Team Leaders.
- Plan the disposal of the former DECON 3 in the best interest of the State.

- Continue to provide timely decontamination services to emergency personnel and facility workers when needed.
- Continue the training of the team members on the equipment acquired through Homeland Security funding programs.
- Seek adequate funding for equipment, maintenance, training, and physicals for those needing them in order to better protect the DECON team members.
- Increase the number of trained volunteer firefighters to assist with DECON operations.
- Promote the availability of the DECON teams to emergency responders, facility operators, and the public.
- To be recognized as an “all hazards” emergency response decontamination team.
- Plan for the replacement of DECON 3 with a self-contained unit as currently in-service in New Castle County.
- Assist with the planning of Statewide HazMat Training Workshop during FY 2017.

**Attachment 3****LEPC for NCC FY 2016 Performance Report, FY 2017 Goals and Objectives and Membership List****LEPC for New Castle County FY 2016 Performance Report (July 1, 2015 - June 30, 2016)****Accomplishments:**

- Seven LEPC meetings were conducted:
  - July 13, 2015 –hosted by Honeywell, 25 individuals attended.
  - September 14, 2015 –hosted by Sunoco Logistics, 31 individuals attended.
  - November 09, 2015 – hosted by Delaware City Refining Company, 29 individuals attended.
  - January 11, 2016 - hosted by DuPont Stine Haskell Research Center, 38 individuals attended.
  - January 11, 2016 –LEPC Steering Committee met at the DSFS New Castle Location.
  - March 14, 2016 – hosted by Miller Environmental Group, 37 individuals attended.
  - May 09, 2016 – hosted by Formosa, 31 individuals attended.
  
- Sponsored the following six presentations at the regular LEPC for NCC meetings:
  - Delaware Open Meeting Law, The Freedom of Information Act (FOIA),29 DEL. C. CH 100 –DAG Lisa Morris
  - Sunoco Logistics Marcus Hook Facility Update – William Kelly, Senior Manager, Emergency Services
  - DCRC Emergency Response and Planning Capabilities –Todd Bretz, DCRC
  - LEPC for NCC 2015 Railroad Tank Car Full Scale HazMat Exercise Video – Chairman David Irwin
  - AMTRAK in the State of Delaware – Michael McLean, Emergency Manager
  - 9<sup>th</sup> Annual HazMat Training Workshop – Chairman David Irwin
  
- The LEPC for NCC, Delaware State Fire School, DEMA and the Mill Creek Fire Company sponsored the 9<sup>th</sup> Annual Hazardous Materials Training Workshop on April 1- 2, 2016 at the DSFS Dover location. Once again the theme for the workshop was “Educating Responders for Today and Tomorrow”. Over 250 individuals registered for the free training sessions and 135 attended the team building dinner. In addition to private industry, registrants represented 57 Delaware and 15 out of state Fire Companies. The event had twenty-four corporate sponsors and exhibitors. Efforts to plan the 10<sup>th</sup> Annual Hazardous Material Training Workshop are underway.
  
- The LEPC continues to co-sponsor along with DNREC the New Castle County Industrial Hazardous Materials Response alliance (NCCIHMRA)

## ➤ LEPC for NCC Chairman accomplishments:

- Worked with DAG Lisa Morris to bring the LEPC into full compliance with Delaware Open Meeting Law, The Freedom of Information Act (FOIA), 29 DEL. C. CH 100
- As chair of the 9<sup>th</sup> Annual HazMat Workshop Planning Committee delivered an extremely successful Workshop.
- Continue to serve as the Chairman of the SERC Information & Technology (IT) Committee.
- Participated in all SERC meetings and provided quarterly and annual performance reports.
- Continue to participate as a member of the SERC Planning & Training Committee.
- Continue to participate as a member of the SERC DECON Committee.
- Continue to participate as a member of the USCG Sector Delaware Bay Area Security, Cyber and Pollution Committees.
- Continue to serve as co-chair of the NCCIHMRRA (New Castle County Industrial Hazardous Material Response Alliance) Steering/Training Committee.
- Prepared, managed and tracked the SERC approved FY 2016 LEPC for NCC budget.
- Prepared, managed and tracked the FY 2016 LEPC for NCC Work Plan
- Prepared the FY 2017 Work Plan and Budget
- Appointed TRANSCAER Coordinator for State of Delaware
- At the request of Sec. Schiliro represented NCC in a meeting with Dr. Allen Zaremski, head of rail safety research at the U of D to discuss freight rail safety
- At the request of Sec. Schiliro represented NCC in a meeting with OSHA Area Director Erin Patterson to discuss OSHA's role during an incident
- Represented the LEPC at a SERC sponsored project involving the US DOT/Volpe Center in their Human Trafficking project
- Represented the LEPC at America's SBDC Delaware, Delaware Business Resiliency Summit
- Represented the LEPC at the Riverfront Development Corporations celebration of the last 20 years achievements and a look forward to the next 20
- Represented the LEPC at eight (8) New Castle County Public Safety Committee meetings
- Represented the LEPC and State at TRANSCAER State Coordinator meetings
- Participated in the SERC sponsored "oil and Hazardous Substance Incident Contingency Plan" review and update process
- In accordance with SARA Title III Section 303 [42 U.S.C. 11003 (a)] completed the annual review and update of the LEPC for NCC Hazardous Material Response Plan. Copies of the Plan have been forwarded to New Castle County Office of Emergency Management, appropriate state agencies and the SERC.
- Worked with NASTTPO sub-committee to develop national LEPC survey
- Completed and launched "Railroad Tank Car Hazardous Materials Training Exercise" video
- Participated as an evaluator and hot wash facilitator for the BASF Emergency Operations Center and CERT Tabletop Exercise.
- Participated as an evaluator for the DuPont Experimental Station Emergency Response Full Scale Exercise.

- Participated in Burris Refrigerated Logistics annual Emergency Response Review capability meeting with local fire company and other external partners
- Met with NCCIHMRA Training Coordinator and 31<sup>st</sup> CST personnel to discuss possible CY 2016 combined training opportunities.
- Facilitated the 14<sup>th</sup> Annual NCCIHMRA Planning & Training Meeting hosted by the Elsmere Fire Company.
- Represented LEPC at DC CAER Group quarterly meetings
- Negotiated speaker fees and contracts for the 9<sup>th</sup> Annual HazMat Workshop.
- Successfully arranged for the Mill Creek Fire Company to partner with the SERC in sponsoring the workshop and handling the financial aspects of the workshop.
- Served as the master of ceremonies for the 9<sup>th</sup> Annual HazMat Workshop Team Building Dinner with Keynote speaker Edward Hawthorne – Global Emergency Response Discipline Lead for Shell Oil Company.
- Distributed over 9,50 copies of the industry funded “Resident Awareness & Emergency Preparedness Guide” health care, industry, physician offices, local businesses and school district sponsored outreach programs
- Conducted outreach program for the Colonial School District Community Education and Health Fair.
- Routinely attended Kent, Sussex and Wilmington LEPC meetings.
- Continue to participate in all Delaware City Refining, Chemours (DuPont Edge Moor), DuPont Newark Sites, Dow, FMC, and Croda CAP meetings, and the Delaware City CAER group. Participated in a total of 19 CAP and 4 DC CAER meetings
- Accompanied DNREC ARP and Kent LEPC Consultant on Facility Inspection
- Presented retired Secretary Schiliro with NCCIHMRA Leadership award at his retirement luncheon
- Worked with NCCIHMRA Training Committee to develop 2016 Training Program
- Arranged for all presenters at the 6 LEPC meetings.
- Compiled and published LEPC meeting minutes.
- Compiled and published HazMat Workshop Planning Committee meeting minutes.
- Served as a subject matter expert to member organizations, state agencies, private schools, academia, industry, community representatives, private citizens, consultants and other states.
- Conducted research and met with Nursing Home personnel regarding Health Care facility risks, contents of emergency plans, mutual aid agreements and staff training requirements.
- Managed FY 2016 HMEP Grant program.
- Secured additional HMEP Grant funding to complete Full Scale Exercise video and supply propane for NCCIHMRA Training
- Prepared and submitted in a timely manner the LEPC FY 2017, FY 2018 and FY 2019 HMEP Grant project requests
- Participated in both sessions of the NCCIHMA sponsored Emerging Threats and IEDs/HMEs conducted by the Delaware State Police
- Administered and participated in NCCIHMRA sponsored 6 hour classroom and hands-on MC331 training conducted by Safety Systems
- Met with newly appointed DEMA director Schall to provide overview of LEPC for NCC



- Developed and submitted in a timely manner the LEPC FY 2016 HMEP Grant project requests.
  - Documented 33 CERCLA/EPCRA required chemical release reports
  - Updated and created LEPC distribution list
- The LEPC for NCC Vice-chairman accomplishments:
- Participated in 6 LEPC for NCC Meetings, including 1 steering committee meetings
  - Attended 4 SERC Meetings and 3 SERC IT meetings
  - Attended 9 New Castle County Fire Chiefs/Firefighter Association Meetings
  - Conducted 16 site visits and emergency response plan reviews
  - Participated in the 2015 EPA/DHS sponsored Emergency Preparedness and Hazmat Response Conference in Valley Forge, PA (October), member of Steering Committee. Including participation in 4 out-of-state planning meetings
  - Served as an Evaluator at DuPont Experimental Station for an emergency response exercise in October 2015 (Wilmington)
  - Served as an Evaluator for MCI Full-Scale Exercise held at the New Castle County Airport in April 2016 (New Castle)
  - Participated in 8 planning meetings for Delaware's Hazardous Materials Training Workshop
  - Participated in 4 Fire Company Open Houses; Aetna HH&L (Newark Day), Minquas, Odessa, and Talleyville, distributed over 600 brochures. Provided another 325 brochures to Brandywine Hundred, Good Will of New Castle and Minquadales Fire Companies.
  - Distributed and collected DNREC's Tier II First Responder Survey and results from NCC Fire Companies and Response Agencies.
  - Participated in several NCCIHMRAs training events;
    - DNREC's Rd Dragon Flaring Tower Demonstration D.S.F.S New Castle
    - Attended the Annual Planning and Training Meeting in November (Elsmere)
    - Explosives & Incendiaries precursor chemicals and improvised explosive materials awareness course in February (Elsmere)
    - 2-Day's at Delaware's 9<sup>th</sup> Annual Hazmat Training Workshop – D.S.F.S. Dover
    - MC331 Tank Car Emergency Response by Ron Gore in April at the D.S.F.S. New Castle
  - Provided meals for approximately 35 people at 5 NCCIHMRAs training events; October 22 & 24, 2015, February 23 & 25, April 29, 2016

**Goals and Objectives FY 2017****LEPC for NCC  
Work Plan – FY 2017  
(July 1, 2016 – June 30, 2017)**

- Prepare, manage and track the SERC approved FY 2017 LEPC for NCC budget.
- Prepare, manage and implement the DEMA/PHMSA approved FY 2017 LEPC for NCC HMEP Grant projects.
- As required by SARA Title III Section 303 [42 U.S.C. 11003 (a)] federal statute review and update as appropriate the Hazardous Substance Response Plan
- Work with DNREC EPCRA Reporting Program personnel to co-develop and implement in 2016 a TIER II Manager training program designed to ensure that identified fire service personnel are component in the defined needs as agreed by the SERC IT Committee and approved by the SERC.
- Ensure NCC Volunteer Fire Chiefs identify and enroll key stakeholders for the TIER II Manager Fire Service training program.
- Arrange and accompany Fire Chief/Representatives on a site visit to each EHS Facility scheduled for a Plan Review in their respective district for FY 2017.
- Attend each monthly NCC Fire Chiefs Association meeting and report on LEPC activities and provide report at LEPC meetings.
- Continue to serve as a sponsor of NCCIHMRRA
- Work with the NCCIHMRRA Training and Steering Committee to develop, sponsor, facilitate and coordinate NCCIHMRRA training initiatives.
- Work with NCC Volunteer Fire Chiefs to identify facilities that based on historical information pose a potential threat to the community but are not captured by regulations and work the fire chiefs to educate and inform those facility operators and provide progress reports at LEPC meetings.
- Work with Industry, Local Government and Community Organizations to identify and pursue opportunities to promote and implement LEPC mission and message at community meetings, public outreach events, open houses and other special events as appropriate and provide reports at LEPC meetings
- Serve as an active member of industry sponsored Community Advisory Panels and provide reports at LEPC meetings

- Given the changing landscape of industry in NCC work with DNREC personnel to develop an accurate NCC EHS facility list and schedule for EHS Chemical Facility Emergency Response Plan/Procedure reviews and site visits in accordance with the rolling 3 year cycle schedule.
- Serve as Chairman of the Delaware State Hazardous Materials Training Workshop Planning Committee.
- Sponsor, facilitate, arrange or participate in at least one hazardous materials drill, tabletop or field exercise.
- Serve as an active member of the SERC Planning & Training Committee.
- Serve as the Chair of the SERC Information Technology Committee.
- Serve as an active member of the SERC DECON Committee.
- Serve as the TRANSCAER® State Coordinator.
- Represent the LEPC at the NASTTPO Spring and Fall meetings.
- Attend the Regional Emergency Preparedness and Hazardous Materials Conference.
- Provide bi-monthly activity reports to the LEPC.
- Provide quarterly and annual activity reports to the SERC.
- As requested serve as a subject matter expert to LEPC members.
- Perform other duties as requested by the SERC.

**LEPC for New Castle County  
2016-2017 SERC Approved Voting Members**

Name	Organization	Representation
<b>VOTING MEMBERS: 36</b>		
David Anderson	Community At-Large	Community Rep.
Jeff Backus	DuPont Stine Haskell	Industry
Bob Barrish	Community At-Large	Community Rep.
Kim Bennett	Formosa	Industry
John Cartier	NCC Council, District 8	Elected County Official
Joseph Cochran	NCC Emergency Management	Local Government
Avery Dalton	DEMA	State Official
Bill Davis	DNREC - EPCRA	State Official
Russ Davis	Honeywell	Industry
Ron Dietrick	Delaware City Refining	Industry
Mark Dolan	DNREC -ARP	State Official
David H. Ennis	LEPC	Past Chairman
Robert Fox	State Fire Marshall	State
Mike Gladle	University of Delaware	Academia
Babak Golgolab	Claymont Community Coalition/DRBA	Community Rep./State
Mark Hanson	DuPont Experimental Station	Industry
Wayne Hopkins	DuPont Chestnut Run	Industry
David Irwin	NCC LEPC	Chairman
William Kelly	Sunoco, Inc.	Industry
Kierston Koory	Lewis Environmental	Industry
Tom Kovach	NCC LEPC	Vice-chairman
Lynn Krueger	River Services	Environmental
Dr. Har Ming Lau	Dept. of Health & Social Services	State Official
Joseph Leonetti, Sr.	St. Francis Hospital	Hospital
Capt. Mark Logemann	NCC EMS	EMS
Mark Lucy	Miller Environmental Group	Industry
Bill McCracken	Public Member	Public
Harris McDowell	Senator, 1 <sup>st</sup> District	Elected State Official
Jacob Morente	NCC LEPC	Vice Chairman of LEPC
Beth Neumane	Rogers Corporation	Industry
Joseph Rubin	WSFS Bank	Banking Industry
Pat Smythe	American Red Cross	First Aid
Al Stein	Emres, Ltd.	Public

<b>Name</b>	<b>Organization</b>	<b>Representation</b>
Charles Stevenson	Sussex County LEPC	Local Government
John Verdi	BASF	Industry
Vimal Vijaykumar	Chemours	Industry
TBD		NewsMedia

<b>Name</b>	<b>Organization</b>	<b>Representation</b>
<b>Non-voting Members: 22</b>		
Rob Armstrong	Miller Environmental Group	Industry
David Bennett	Agilent Technologies	Industry
Jamie Bethard	DNREC	State Government
Todd Bretz	Delaware City Refining	Industry
Dave Carpenter, Jr.	NCC Emergency Management	Local Government
Mark Castelow	Print Pack	Industry
Ken Cenci	DNREC - ARP	State Official
Matthew Chamberlain	DNREC	State Government
Patricia Civitella	Ashland	Industry
Jerry Conrad	US Coast Guard	Federal Government
John Deemer	Delaware City Refining	Industry
Jill Drazek	Kuehne Company	Industry
George Giles	Wilmington Emergency Mgmt	Local Government
William Hitchcock	NORAMCO	Industry
Heather Hudson	Dept. of Health & Social Services	State Official
Tim Hulings	DIAC	Government
Vincent Jacono	Delmarva Power	Public Utilities
Rob McPherson	Chemours	Industry
Robert Roop	Lewis Environmental	Industry
Erich Schuller	DNREC	State Government
Pat Smythe	American Red Cross	American Red Cross
Dale Wray	Miller Environmental Group	Industry

## **Local Emergency Planning Committee (LEPC) Activity Reports**

### **City of Wilmington LEPC**

#### **Accomplishments for FY 2016**

- Held LEPC meetings every sixty (60) days.
- Maintained City of Wilmington LEPC membership at a high level with a regular attendance per meeting.
- Coordinated and participated in the Public Safety Awareness Week activities in conjunction with National Night Out in August, and Seniors Health Day Fair in June. Continue to work with Church and Community Groups throughout the City and the Parks Department Kid's Summer Program.
- Took 50 children to Preparedness Night at the Blue Rocks game.
- Attended SERC meetings and other county LEPC meetings
- Hosted the Hazmat table top exercise.
- Completed the annual LEPC and HMPG Work Plan and Budget.
- The Hazardous Substance Response Plan for Wilmington was reviewed and updated.
- Continue with Shelter-in-Place and Evacuation presentations to several neighborhood groups and senior citizens. We have also worked with the City on and business partners on Lock down Shelter in place plans of preparedness.
- Continued to tour all Wilmington fixed facilities with EHS and train emergency responders on facilities response.
- Attended various HazMat conferences and training sessions.
- Trained Wilmington Fire Department HazMat Teams 15 new Technicians also did Hazmat refreshers for 60 members.
- Served on the planning and preparation committee for the annual Hazmat Conference.
- Attended all meetings of the planning committee for the conference.
- Conducted HazMat refresher for Wilmington Emergency response personnel May 2015.
- Participated with the Wilmington OEM and other agencies in a Communications Drill.
- Conducted SERT response training for Wilmington Fire Department.

- Met with all Emergency Responder Staff, Police and HazMat on a quarterly basis.
- Met with the Wilmington Fire Department Operational Personnel monthly.
- Participated in the Bakken Crude Oil Derailment webcast.
- Conducted and participated in the yearly drill at the Noramco Plant in Wilmington.
- Sent several members to the State All Hazards Conference and the Hazmat conference in Valley Forge
- Distributed copies of the updated and reprinted “Resident Awareness and Emergency Preparedness Guide” to area businesses, industry and Community groups.
- Worked with the WFD Emergency Responders on the EPCRA reporting information.
- Provide monthly Partners in Public Safety messages to the City residents via Chanel 22.
- Work with City Hazmat Teams on SOP’s and assisted in training and response
- Presented Shelter in Place and Lock down procedures to the City Businesses.
- Participated in the Delaware Department of Transportation drill.
- Attended the National Transportation Safety Board meeting.
- Worked with the WFD and DNREC for a high concentration of mercury discovered during a training session at the Burnett School.
- Reviewed SERT Response Guide Book.

### **Goals and Objectives for FY 2016**

- Continue to meet with Wilmington LEPC every sixty days.
- Work with all agencies to improve the response capabilities to hazardous material incidents.
- Meet with all emergency responder staff on a quarterly basis.
- Provide HazMat responders with continued and updated training programs.
- Continue working with all City Corporations on any exercise or drill.
- Will host and participate in the full size Hazmat Drill at the Port of Wilmington with the Magellan Corporation.

- Distribute LEPC information throughout Wilmington, through community, business and city organizations.
- Increase the number of LEPC presentations to schools, neighborhood planning councils and businesses.
- Attend various conferences and seminars for improvement of the LEPC.
- Continue to work with New Castle County LEPC to improve all identified HazMat sites within the City of Wilmington and update information needed by the emergency responders.
- Test the DENS System on a quarterly basis.
- Work with local companies on requirements of reporting non-emergencies to the local emergency coordinator.
- Continue to provide to all extremely hazardous material sites, large employers and public buildings notification alert radios.
- Test City monitor radios and emergency notification systems on a semi-annual basis.
- Continue to update the Hazardous Substance Plan for Wilmington.
- Will participate in the Emergency Preparedness & Hazmat Conference in October.
- Provide Incident Command Training for all emergency responders.
- Continue to use our City TV station channel 22 and Public Safety radio station 1640 AM for public safety announcements.
- Assist in providing proper equipment and will try to update equipment and meters for the Hazmat units.
- Will conduct any refresher courses and updates that are required by the HazMat Team as needed.
- Participate in Local, County and State drills.
- Continue participation in TRANSCAER Program and attending meetings as required.
- Work with DEMA and other LEPC's in planning annual Delaware HazMat Training Workshop.
- Support other LEPC's by attending quarterly meetings.
- Update Hazmat Team Standard Operating Procedures (SOP).
- Work to increase LEPC membership.



- See next page for City of Wilmington LEPC Membership Listing.

**City of Wilmington LEPC Membership** (Listed alphabetically as of June 2016)

<b>Name</b>	<b>Organization</b>	<b>Representation</b>
Chris Young	American Red Cross	Emergency Services
Tom Born	Atlantic City Electric	Utilities Representative
Marc Brenner	Lewis Environmental	Emergency Services
Michael Brown	Wilmington City Council	Elected Official
Buck Brownlee	Riverside Hospital	Hospital
Maria Cabrera	Wilmington City Council	Elected Official Government
Jeff Starkey	Commissioner, Public Works	Public Works
Dennis Leahey	Wilmington Police Dept	Law Enforcement
Jerry Custis	Port of Wilmington	Industry/Chemical
Doug Dillon	Tri-State Maritime Safety	Industry
Joseph DiPinto	City of Wilmington	LEPC Chairman
Mike Donohue	Deputy Chief WFD	Fire Department
Carole Dougherty	EPA	Environmental
Allen Ecker	Dana Transportation	Transportation
George Evans	Vice President, Community Council	Community Representative
Ed Gerhart	EPA Region III	Environmental
George B. Giles	Director, Emergency Management	LEPC Co-Chairman
John Gillespie	Pennoni Associates, Inc.	Industry/ Chemical
Jamie Bethard	DNREC	Environmental
Michael Hackett	DART	Transportation
Sophia Hanson	Director, Dept of Planning	Local Official
John Looney	Safety & Training, Fire Dept.	Fire Department
Sally Hawkins	Delaware Broadcasting Company	Publicity/Public Information
David Hodas	Widener University/Env. Law	Community Representatives
Todd Reese	WFD HazMat Officer	Fire Department
Wayne Hopkins	DuPont Company	Industry/Chemical
William Hornung	WSFS	Industry
Vince Jacono	Delmarva Power- Public Affairs	Utilities Representative
Joe Kalinowski	Citizen	Fire Department
Avery Dalton	Planner DE Emergency Mgmt	State of Delaware
Jeff Kreb	Christiana Hospital	Hospital Representative
Joe Leonetti	St. Francis Hospital	Hospital Representative
<i>Position Vacant</i>	Planning, Community Projects	Local Official
David McFadden	Quip Laboratories, Inc.	Industry
Bill McKim	Dep. Chief WFD	Fire Marshall
Tom McLaughlin	Public Works	City of Wilmington
Mike McLean	Amtrak, Safety Department	Transportation
Mike Migliore	City Solicitor	Executive Committee
<i>Position Vacant</i>	Christiana Care	Hospital Representative
Danny F. Miller	Allied Signal Inc.	Industry/Chemical
Al Ostrand	DeEASI	Environmental
Lynn Kruger	River Services	Environmental
<i>Position Vacant</i>	International Petroleum Corp.	Industry/Chemical Industry

<b>Name</b>	<b>Organization</b>	<b>Representation</b>
Joe Rubin	WSFS	Industry
Glen Schmiesing	Environmental Engineer	Environmental
Bob Schroeder	Noramco	Industry Facilities
Kevin Senseny	Citrosuco Corporation	Industry/Chemical
Mikal Shabazz	EPA	Environmental
Sid Sharma	Environmental Compliance	Environmental
Glen Sherk	DelEASI	Environmental
James Rhodes	Licenses & Inspections Dept.	Local Official
Helene Stolker	EPA	Environmental
Bobby Cummings	Police Chief, Wilmington	Law Enforcement
Scott Turner	Transport Technology Co. Inc	Industry
Loretta Walsh	Wilmington City Council	Elected Official Government
<i>Position Vacant</i>	Mayor's Office	Local Official
Dennis P. Williams	Mayor	Elected Official
Kara Coats	City Solicitor	Local Government
Margie Williams	LEPC Clerical Staff	Executive Committee
James Wright	Courts	State of Delaware
Andrew Zaun	Magellan Corporation	Industry/Chemical

**Local Emergency Planning Committee (LEPC) Activity Reports****Kent County LEPC**

The Kent County LEPC normally meets the second Tuesday of every odd-numbered month at 10:00 a.m. in the Kent County Public Safety Building. Special programs/events may dictate changing the time and/or location of the meetings. The LEPC consists of over 40 members who represent about 30 plus organizations or facilities in the County. The average attendance at the six meetings was 18 members. All 13 categories of members listed in our bylaws are represented.

The Kent County Department of Public Safety Chief Colin Faulkner serves as Chairman of the LEPC and Administrative Officer Brandon Olenik serves as Co-chair. Brandon serves on the IT Committee of SERC. Both Ch. Faulkner and Brandon Olenik participate in the Delmarva Emergency Task Force.

**Accomplishments for FY 2016**

- Developed an Annual Work Plan and Budget for FY 2016.
- Supported the long-term LEPC Planning Committee.
- The Kent County LEPC addressed all nine of the “Uniform LEPC Performance Measures” during Fiscal year 2016.
- Revised the Kent County HAZMAT plan.
- Supported and assisted with the training on the DECON trailer, including the local fire companies.
- Held bi-monthly LEPC meetings.
- Continued support of the Tier II Manager reporting system.
- EOC activation for Winter Storm Jonus.
- Members of the LEPC participated in several exercises during the year, including the graded REP drill with DEMA.
- Provided programs at 3 of the LEPC meetings.
- Promoted the LEPC at public events/open houses, including Safe Summer Day and Family Emergency Preparedness Day.
- Worked with facilities in Kent County to identify hazardous and extremely hazardous substances and insure they are meeting reporting requirements.
- Assisted first responders and facilities in pre-planning, drills, and facility compliance.

- Promoted the Delaware Emergency Notification System to be used in the case of accidental releases at chemical facilities or other emergencies.
- Supported and attended the Annual Hazmat Workshop in April.
- LEPC attended HAZMAT workshop in Valley Forge, PA.

### **Goals and Objectives for FY 2017**

- Continue to support the Tier II Manager reporting system.
- Continue work with the facilities in Kent County to identify hazardous and extremely hazardous substances and insure they are meeting reporting requirements.
- Continue 3-year review of emergency response plans for selected Kent County facilities that maintain an inventory of hazardous and extremely hazardous substances.
- Assist first responders and facilities in pre-planning, drills, and facility compliance.
- Hold bi-monthly LEPC meetings with a program for each meeting.
- Meet the performance measures established by SERC for LEPC's.
- Review and update, as needed, the Kent County HAZMAT plan.
- Attend SERC meetings and give activity reports for the Kent County LEPC.
- Attend conferences and training programs to become more knowledgeable in the areas of responsibility for LEPC's.
- Promote the Delaware Emergency Notification System to be used in the case of accidental releases at chemical facilities or other emergencies.
- Continue to support Decon 3 & serve as Co-Chairman of the Statewide DECON Committee.
- Participate in investigations by DNREC or the EPA when called upon.
- Participate in planning and completing tabletop, functional and full-scale exercises in Kent County in accordance with the Statewide Homeland Security Exercise Plan.
- Identify, publicize, and promote opportunities for improvement in emergency responses to hazardous situations in Kent County.
- Promote the Kent County LEPC through the media and static displays.

**Kent County LEPC Membership** (as of June 2016)

<b>Member</b>	<b>Organization</b>	<b>Representation</b>
Antonio Haigler	Dentsply Caulk	Facility Operator
Avery Dalton	DEMA	Emergency Management
Barry Laise	Station 54	Firefighting
Bill Davis	DNREC	Environmental
Bob Barrish	Retired.	Community Group
Brandon Olenik	KCDPS	Vice Chairman
Charles Boyer	Town of Smyrna	Facility Operator
Charles Stevenson	Sussex LEPC	Community Group
Christie Ray	American Red Cross	Community Group
Colin Faulkner	KCDPS	Chairman
David Irwin	New Castle LEPC	Community Group
David Mick	KCDPS	EMS
Eric Rowland	Edgewell	Facility Operator
George Giles	Wilmington LEPC	Emergency Management
Glenn Dixon	DSP	Law Enforcement
Heather Hudson	Public Health	Health
Hon. P. Brooks Banta	Kent County Levy Court	Local Official
Jeff Vadakin	Magnum Electronics	Facility Operator
Joe Tyler	US Cold Storage	Facility Operator
John Griscovey	Perdue	Facility Operator
John Melvin	DAFB	Firefighting
Kenneth Cenci	DNREC	Environmental
Kia Evans	Kent County PIO	Media
Lori Sherwood	DEMA	Emergency Management
Mark Dolan	DNREC	Environmental
Mark Lucy	Miller Environmental	Facility Operator
Michael Layton	SERC	Transportation
Ming Lau	Public Health	Health
Miranda Mal	DAFB	Emergency Management
Nicole Vautard	KCDPS	Emergency Management
Phillip Reynolds	Miller Environmental	Facility Operator
Radford Garrison	Bayhealth	Hospital
Ron Dukes	Perdue	Facility Operator
Scott Melnick	Perdue	Facility Operator
Sen. Bruce Ennis	State of Delaware	State Official
Steve Farkas	Chesapeake Utilities	Facility Operator
Tara Chambers	DNREC	Environmental

**Sussex County LEPC**  
**Annual Report for FY16**  
**August 8, 2016**

**Accomplishments FY 2016**

- Six LEPC meetings were held with presentations on the following topics:
  - Det. Timothy Kerstetter, DSP Terrorism Liaison Officer, provided a presentation of “Terror in the Hometown”.
  - The Sussex County LEPC provided a joint presentation between the LEPC Chairman and Bill Davis of DNREC’s EPCRA branch. After the business section of the LEPC meeting, Bill Davis provided a training session on the Tier II Manager.
  - David Irwin provided a presentation the on 9<sup>th</sup> annual Hazmat Workshop that was held on April 1<sup>st</sup>, 2016 and April 2<sup>nd</sup>, 2016 at the Delaware State Fire School in Dover.
  - Mark Dolan, DNREC–ARP, provided a presentation on a Union Pacific Railroad crude oil unit train derailment with resultant explosion and fire in Mosier, Oregon along the Columbia River Gorge on June 3rd, 2016.
  - Lisa Dunaway provided an update on the CFATS program and overview of Executive Order 13650 improving Chemical Facility Safety & Security.
  
- Provided updated Tier II facility information to each Sussex County fire company Chief about the use and storage of chemicals in their district
  
- Members of the Sussex LEPC and SCEMS attended the 9<sup>th</sup> Annual Statewide Hazardous Materials Training Workshop in April 2016.
  
- Continued an active membership in the SERC Planning and Training committee
  
- Continued an active membership in the SERC Information Technology committee
  
- Continued an active membership in the HazMat Conference Planning Committee
  
- Continued to work long range plan of visits to EHS facilities

**Goals and Objectives for FY 2017**

- Review/revise Sussex County Hazardous Material Response Plan
- Continue to follow plan of facility visits to review emergency response plans, as well as assist with reporting procedures, if needed
- Continue to build membership in the LEPC
- Conduct regular meetings with informative presentations
- Continue to actively participate as a member of the Planning and Training Committee
- Continue to actively participate as a member of the Information Technology committee
- Locate and include new facilities in the chemical reporting program for Sussex County and State of Delaware
- Meet with first responders to discuss concerns and facility emergency response plans
- Conduct and participate in planned exercises
- Continue to participate as a member of the Decon User's Group



**Sussex County LEPC Membership** (as of August 2016)

Name	Organization	Representation
Charles Stevenson	Sussex County EOC	LEPC Chairperson
Marilyn O'Neal	Perdue Farms	LEPC Vice-Chairperson
Joseph Thomas	Sussex County	Emergency Management
David Mick	KC LEPC	Emergency Management
David Irwin	Chairman, NCC LEPC	Emergency Management
Jacob Morente	NCC LEPC	Emergency Management
Avery Dalton	DEMA	Emergency Management
George Giles	City of Wilmington LEPC	Emergency Management
Todd Lawson	Sussex County	Government
Brad Gardner	SPI Pharma	Industry
Bob Barrish	Citizen/SERC	SERC
Robert Stuart	Director, Paramedic Office	Emergency Medical Svcs.
Eric Huovinen	Sussex County EMS	Emergency Medical Svcs.
Kort Dickson	Perdue Farms	Industry
Bill Duveneck	Amateur Radio	Emergency Services
Kevin Burdette	Artesian	Industry
Thomas Hicks	Schering-Plough	Industry
Michael Layton	Growmark FS	Industry
Thomas Stowe	Invista	Industry
Brad Ebaugh	Delaware Electric Coop.	Industry
Bob Kendell	Mountaire	Industry
John Ward	Mountaire	Industry
Joe Beyerl	Mountaire	Industry
Michael Calloway	Mountaire	Industry
Randy Dell	Suburban Propane	Industry
Bill Ridenour	Magnum Electronics	Industry
Mary Whalen	Magnum Electronics	Industry
Milt Warren	Delmarva Two-Way	Industry
Andrew Wile	Nanticoke Hospital	Hospital
Jim Mooney	Long Neck Water Co.	Industry
Steve Denny	Pictsweet	Industry
Jim Smith	Delmarva Power	Industry
Paul Wolper	Cannon Cold Storage	Industry
Skip Gillespie	Cannon Cold Storage	Industry
Mark Lucy	Miller Env. Group	Local Environ. Response
Jamie Bethard	DNREC/ERB	Environmental
Matthew Higgins	DNREC/ERB	Environmental
Tanya Rogers-Vickers	Perdue Farms	Industry
Joe Bedard	Perdue Farms	Industry

Name	Organization	Representation
Mark Dolan	DNREC/ARP	Environmental
Chatham Marsch	City of Lewes	Law Enforcement
Michael Welch	US EPA	Environmental
Radford Garrison	Bay Health	Hospital
Jeff Reed	DeIDOT Southern Division	Transportation
John Evans	Peninsula Oil	Industry
Ken Greeson	DHS	Government
Lisa Dunaway	DHS	Government
Roger Minner	DHS	Government
Scott Bossert	DRBC	Environmental Response
Rich Gaudiosi	DRBC	Environmental Response
Steve Farkas	Chesapeake Utilities	Industry
Carl Davis	Sussex Citizen Corps	Community Group
David H. Ennis	DelTech	Community Group
Marc Evans	U.S. Army CST	Military
Marc Brenner	Lewis Environmental	Industry
Andrew Vahey	Pepco Holdings	Industry
Andy Johnson	Fire Chief	Fire Service
Cheryl Hopple	Beebe Hospital	Hospital
Bernard Carter	U.S. Army CST	Military
Beth Sise	Mountaire	Industry
Terry Hastings	Amateur Radio	Emergency Services
Brian Schilling	Southern States	Industry
Brian Pepper	Pep Up Incorporated	Industry
Colleen Casey	Verizon Wireless	Industry
Dan King	Clean Venture	Environ. Response
Doug Scott	Town of Millville	Fire Service
Chip Guy	Sussex County	Government/Media
George Mackie	Dogfish Head Brewery	Industry
Ed Short	Justin Tanks	Industry
Bob Shinholt	PATS Aircraft	Industry
Gene Dvornick	Town of Georgetown	Government

**Attachment 4**  
**DNREC Emergency Response**  
**State Fiscal Year 2016**  
**Summary of Activities**

DNREC is responsible for activities related to hazardous materials Emergency Response, Accidental Release Prevention, and Emergency Planning & Community Right to Know. Statistics for state fiscal year (SFY) 2016 show DNREC's Emergency Response Team (ERT) responded to 349 incidents. This is compared to 335 responses in SFY 2015. As with previous years, DNREC's highest percentage of responses continue to be transportation related spills and releases primarily from motor vehicle accidents. The second highest responses in SFY 2016 were to residential heating fuel spills. These two types of responses made up 40% of DNREC total responses in SFY 2016. In SFY 2016 there were 4 declared SERT responses, which are listed on the DNREC HazMat Response Summary Table. DNREC has also had a long standing "60% Rule" with 60% of the incidents being petroleum and 60% being in New Castle County. Last year the rule was fractured with 50% petroleum and 50% New Castle incidents. We have returned to 62% petroleum and 55% New Castle with Kent 24% and Sussex 21% respectively.

The DNREC Emergency Response Team provided the Hazardous Materials support function as part of a "joint hazard assessment team" with other emergency response partners, law enforcement agencies and the 31<sup>st</sup> CST during the September 2015 and June 2016 multi-day NASCAR race events at Dover International Speedway and the June 2016 Firefly Music Festival held at Dover Downs. DNREC ERT participated in drills and exercises with response partners including:

- NCCIHMRM Propane flaring along with Hazmat Branch roles and responsibilities.
- NCCIHMRM 14<sup>th</sup> Annual meeting and guest speaker held at the Elsmere Fire Co.
- NCCIHMRM Annual fit testing held in conjunction with Delaware State Police Terrorism update and EOD IED/HME training.
- 9<sup>th</sup> Annual State of Delaware Hazardous Materials Workshop held at the Delaware State Fire School.
- NCCIHMRM MC331 tank truck training conducted by Safety Systems & HazMat 1 Rapid Response training including flaring of propane and water injection into MC331 containers.

**DNREC ERT Responses of Note in SFY 2016:**

On August 10, 2015, DNREC ERT responded to a chemical suicide that utilized hydrogen sulfide (H<sub>2</sub>S) at 79 Glenn Forest Road in Magnolia, along with multiple other agencies. This was the first hydrogen sulfide suicide in the State of Delaware. DNREC personnel conducted initial air monitoring in the garage and established ventilation in order to reduce the hazards. Little Creek Fire Company conducted decontamination operations while DNREC provided continued air monitoring. Members of Felton Fire Company assisted with the recovery of the deceased. DNREC staff solidified the residual, partially-reacted chemicals, and containerized the bottles of precursors. All waste was transported to DNREC's Penny Lane facility for proper disposal. The next day, a member of the DNREC ERT provided additional air monitoring support to the Office of the Chief Medical Examiner. The photo below is an example and not from the actual vehicle.

On August 14, 2015, DNREC ERT responded to a damaged box trailer hauling 1340- 20-pound propane cylinders. Prior to getting onto Route 1, the driver noticed that his trailer roof had come loose and made the decision to return to the bulk plant in Cheswold. As he was making a U-turn on Scarborough Road, the trailer floor buckled, causing him to abruptly stop and the load to shift. No damage occurred to any of the cylinders, and no hazmat release occurred. This is the second “near miss” that DNREC ERT has had with a damaged box trailer hauling 20-pound propane cylinders from this plant, and is worth noting.

On September 9, 2015, a flatbed lumber delivery truck collided with a southbound freight train at the rail crossing on Vandyke Greenspring Road, adjacent to the intersection of Clayton Greenspring and Vandyke Greenspring Roads in Clayton, DE. The collision caused the release of a mixture of approximately five (5) gallons of antifreeze and transmission fluid. A704, DNREC4, & DNREC3 arrived on-site and assessed the scene. The spill was confined to the paved roadway surface and road grade rail crossing, and did not impact any soils or surface waters adjacent to the incident site. Absorbent media (oil-dry) was used to recover as much of this material as possible from the spill site.

On September 25, 2015, DNREC-ERT responded to 11 Janes Circle in Dover, DE to assist Dover PD with a clandestine meth lab. After the house was cleared, DNREC along with one officer each from DSP-KDU and Dover PD, searched the garage at the residence. Air monitoring was conducted during the entry; however, no levels above background were observed for the parameters monitored during this entry. The garage had many slip, trip, & fall hazards due to the tight quarters that had to be searched. Numerous spent reaction containers and acid gas generators were found during the search of the garage. In addition, precursors were found at this location that is used in the clandestine manufacturing of methamphetamine. The spent reaction containers and spent acid gas generators were rendered safe by the DNREC-ERT while at the incident site. This meth lab response was notable due to the amount of spent reaction and acid gas generators found at the site that had to be rendered safe taking an extended period of time on a hot muggy day.

On September 30, 2015, An MC 406 gasoline tanker truck was southbound on I-95 in Churchman's Marsh when a multi-vehicle accident resulted in the off-loading piping on the tanker truck being struck. The collision damaged a piping flange on the off- loading piping and the internal valve on the number one compartment of the tanker. As a result, gasoline began to leave from the flange. The driver broke the emergency brass fitting to release the air pressure for the air operated internal valve. However, the tank itself was damaged and the internal valve would not seat, so gasoline continued to leak from the flange. Hazmat 30 responded and a spill pool was placed under the leaking flange. A bonding and grounding field was established and the spill pool was pumped off into 55 drums using an air operated double diaphragm pump. The trucking company brought an empty tanker truck and the leaking compartment was pumped off into the empty truck using the Roper pump which was on the tanker truck. The incident was successfully concluded with only 80 gallons of gasoline being released from the tanker and only a few gallons hitting the ground.

On October 9, 2015, DNREC ERT responded to a hydraulic oil spill at the facility's truck lift, which is used to dump grain from farm vehicles that are not equipped with their own dump mechanisms. The lift failed to respond when the operator attempted to lower it, leaving it stuck

in the upright position. During troubleshooting and repair operations, hydraulic fluid sprayed out of the pump unit. The facility staff deployed spill kit materials and called their spill response contractor. The contractor used a vacuum truck to recover free liquid and pressure washing liquid from around the lift and on impervious surfaces, and over excavated contaminated soil for disposal. The facility has indicated that an in-line bypass valve to redirect hydraulic fluid back to the reservoir will be added to prevent this malfunction in the future.

On October 10, 2015, DNREC ERT responded to an indoor air quality issue at the Cpl. Paul J. Sweeney Public Safety Building. Building occupants complained of unusual odors and feeling ill, and the building was subsequently evacuated. An inspection of the building led to the discovery of four compartments (20 batteries each) of bulging, overheated batteries in the uninterruptable power source (UPS) system. The UPS was shut down and ventilation commenced. Staff returned to the building a few hours later, after air monitoring determined that the ventilation efforts had been successful. The UPS installation contractor then disconnected the batteries and worked with the local fire departments on-scene to remove them from the building. The battery removal was monitored with a photoionization detector, a 4-gas meter, and a thermal imaging camera to ensure worker safety. The batteries were wrapped in heavy plastic and staged outside that day and picked up by the UPS contractor two days later.

On November 11, 2015, painting contractors for the Delaware Memorial Bridge needed a large towed air compressor to operate the scaffolding which was being used to paint the bridge. Instead of leaving the air compressor on the shore and running air lines to the scaffolding via the catwalk on the bridge, the supervisor of the painting contractor told his workers to "Float it out there." So instead of renting a proper vessel for the job, they put some plywood on a boat trailer, took the wheels off of the compressor, lifted it onto the trailer, and strapped it to the trailer with ratchet straps and a come-along. They then tied plastic 55 gallon drums to the trailer as flotation devices and attempted to tow it out to a bridge pier on an outgoing tide and in high wind conditions using a small pontoon boat. Unsurprisingly, it quickly overturned and came to rest on the bottom of the river 25 feet from shore with the bottom of the trailer sticking out of the water. No release of diesel occurred from the 40 gallon fuel tank of the air compressor, but they had to hire a contractor to boom off the trailer barge before it could be lifted from the water with a large crane.

On December 16, 2015, DNREC-ERT responded to a complaint regarding an unknown amount of used motor oil that was dumped into a storm water management drain adjacent to 34273 Whispering Lane in Frankford, DE. The identity of the individual(s) who illegally discharged this material could not be determined. The illegal discharge contaminated residual debris (leaves/soil) as well as storm water in the drain. DNREC-ERT attempted to recover the used oil from the storm drain; unfortunately, the amount of material dumped into the drain was beyond the capabilities of the DNREC-ERT. As such, a spill response contractor was retained to respond to and remediate the spill site. A vacuum truck and petroleum absorbents were used to recover as much of the used oil and contaminated debris as possible. No surface water impacts downstream of the spill-impacted storm water management drain were observed.

On December 1, 2015, DNREC-ERT responded to a spill of approximately 100 gallons of mineral oil based heat transfer fluid that was discharged outdoors during a heavy rain event. The rain caused the oil to travel across the paved parking lot and enter a storm drain on an adjacent property. The source of the spill was a piping failure caused by water in the oil that subsequently

boiled and over pressurized the line. The boilers were shut down until necessary repairs could be made. Clean up was completed at approximately 2200 hours that night. When they restarted the boilers, there was still water present, which then caused a pressure relief valve to open and oil to transfer to the oil expansion tank. The tank in turn overflowed, releasing an additional ~500 gallons of oil to the parking lot and storm drains on 12/2/16. Ultimately, the source of the water was determined to be cracked tubes in the heat exchanger. BilCare hired two contractors to abate both spills and recover the spilled oil.

On December 28, 2015, DNREC-ERT responded to a spill of at least 200 gallons released from a pair of manifolded tanks located in a crawlspace. The spill then ran into the sump, where it was transferred outdoors by the sump pump, ran down the street, entered a storm drain and subsequently entered an unnamed tributary of Shellpot Creek. The spill was determined to have been caused by physical damage to one of the tanks when a leg broke and subsequently broke the bottom outlet valve. DNREC and its contractor used a vacuum truck, hard boom, and absorbents to contain and collect as much of the spilled oil as possible. The crawlspace was cleaned and treated with enzymatic product to enhance the biodegradation of the oil. The sump pump discharge has been re-routed to a 300-gallon tote to capture any remaining oil from the modified French drains, and ventilation of the crawlspace has been ongoing.

#### Cannery Village Propane Leak 160206-02-P-P-S

On Saturday February 6, 2016, at 2000 hrs a complaint was received concerning a leaking residential propane tank at Cannery Village in Milton. While enroute it was determined that it was a leaking underground propane vapor line from a central propane tank farm which supplies the whole development that was the source of the leak. Upon arrival at the scene, Poore's Propane, which is the company who installed and maintains the system was engaged in an emergency excavation of the underground pipe at the source of the leak.

The line was buried approximately 4 feet underground and was a 3 inch plastic line at 10 psi of vapor pressure. The line was still leaking and Poore's Propane had difficulty in trying to isolate the line with local shut-off valves and had to shut down the main tank farm which interrupted propane service to the whole development. A Poore's Propane worker who was in the excavation had to be transported to the hospital due to the effects of an oxygen deficient propane rich (high VOC) atmosphere in the excavation. Upon arrival at the scene, DNREC along with the Milton Fire Company established positive ventilation of the excavation and continuous air monitoring. Surrounding homes were evacuated with the displaced residents sheltered in the community center. Homes surrounding the leak were monitored and 4 were found to have high LEL levels in their basement sumps or in the homes. One home closest to the propane leak had caught fire in the basement on Monday Feb. 1st and it had been attributed to an electrical fire originating in the sump pump, but a propane leak was not identified at that time.

The failed piping section was removed and replaced. The failure point was at a butt weld but the cause of the failure has yet to be determined. The 4 impacted homes were provided with continuous negative pressure explosion proof ventilation. The following week a contractor was hired to install 4 extraction wells and a soil vapor extraction system to remove the propane vapors from the ground. The system is still currently in operation.

On February 16, 2016, DNREC-ERT responded to a release of #2 heating oil approximately from a 300-gallon aboveground storage tank (AST) at 429 Summer Park Crescent in Newark, DE. The release impacted soils adjacent to the residence at the site. In addition, an unknown

amount of #2 heating oil entered the fore-bay of a storm water management pond that discharges to an unknown tributary of Sunset Lake. The contents of the leaking AST were pumped out by personnel from Belvedere VFC/HazMat 30. Petroleum absorbents (pads and sweep) were deployed to recover as much material as possible from the spill site. Petroleum absorbents (boom & sweep) were deployed in the fore-bay to recover as much oil as possible. The storm water sewer pipe was flushed upstream of the fore-bay to facilitate the recovery of residual oil entrained in the system. A spill response contractor was retained to abate the spill; soil excavation activities are planned pending favorable weather conditions.

On March 4, 2016 DNREC Emergency Response along with the New Castle County Decon Team and additional fire companies and EMS units responded to an apartment complex on Faulkland Rd. in Wilmington for an unknown chemical exposure. It was determined that a disgruntled ex-girlfriend was returning a shopping bag of clothing to her former boyfriend and had doused the clothing with bleach. When the bag was opened by the boyfriend, he was affected by the strong bleach smell and called 911. No injuries were suffered by the individual and no decontamination or medical transport was required.

On March 22, 2016, DNREC Emergency Response along with the New Castle County Decon Team and additional fire companies and EMS units responded to the Bank of America complex on Papermill Rd. in Newark because multiple individuals complained of illness due to an unknown odor in one of the buildings. Upon arrival it was determined that an HVAC company was repairing and brazing a refrigerant line above the drop ceiling near an office area inside the building. Multiple air monitoring instruments with different detection technologies were used to survey for the presence of contaminants, but none were found. There was no apparent abnormal odor in the building. All instruments only detected normal ambient air. The HVAC technicians who were performing the work were unaffected but four Bank of America employees were transported to the hospital complaining of nausea.

On March 10, 2016, DNREC Emergency Response responded to a report of a release of approximately 3,000-gallons of wastewater from the hatchery facility operated by Mountaire Farms in Millsboro, DE. A pump at a wastewater lift station failed, causing wastewater to back up in the facility until it entered a storm water drain at a loading dock and emptied out into a slough behind the facility. Mountaire Farms retained two contractors to recover as much of the spilled wastewater as possible using vacuum trucks. Mountaire Farms also repaired the faulty pump and installed a sump pump at the loading dock. No adverse effects were observed as a result of this release to the aquatic organisms in the slough during the response for this incident by the DNREC-ERT.

On March 25, 2016, DNREC Emergency Response responded to a carbon monoxide leak at a multi-unit apartment building. When DNREC arrived, the building had been evacuated and ventilation was underway. DNREC provided confirmatory air monitoring of all apartments and utility areas in Building G using a Multi RAE Plus 4-gas/PID meter and a Draeger CMS analyzer with a carbon monoxide chip. With the exception of one unventilated apartment, all areas were found to have been sufficiently ventilated and safe for other first responders to continue their work and investigation without breathing apparatus. The unventilated apartment was ventilated, re-checked, and deemed to be safe as well.

On April 19, 2016, DNREC Emergency Response responded to a spill of used cooking oil at the Trolley Square Shopping Center in Wilmington. The shopping center contains several restaurants that use a common grease bin to collectively manage their used cooking oil and grease. Earlier in the day on April 19th, a small overflow occurred from the grease bin and was cleaned up by staff from the property management company. They contacted the grease recovery company to pump out the grease bin, and were told that it would occur the next day. Sometime thereafter on April 19th, someone attempted to add more used cooking oil to the bin and overflowed it. Used cooking oil ran down the parking lot and was subsequently tracked throughout the parking lot and the length of North Clayton Street. Staff from Hazmat 30, DNREC, and DNREC's environmental contractor applied oil absorbing material, scrubbed it into the spill, and swept it up for proper disposal. The City of Wilmington is working with the property owner to devise a solution.

On May 24, 2016, DNREC Emergency Response responded to the Dupont Experimental Station in Wilmington for a reported spill of 40,000 gallons of chiller water which discharged into a storm sewer leading to the Brandywine River. The cause of the release was a broken underground pipe. The chiller water contained low levels of sodium nitrite, a biocide, and a weak green fluorescein dye. The City of Wilmington Water Treatment Plant was notified via a new emergency response number and email system established by a working group consisting of the University of Delaware, water suppliers, DNREC, the US Geological Survey, and the DE Geological Survey. No fish kills were reported as a consequence of the release.

On May 30, 2016, DNREC Emergency Response responded to a request to assist Aetna Hose Hook and Ladder Volunteer Fire Company (VFC) with an overturned milk tanker truck operated by Flahart Transport Inc. of Peach Bottom, PA at the intersection of Routes 273 & 72 in Newark, DE. The driver was attempting to turn east onto Route 273 from Route 72 and apparently took the turn too fast, causing the load in the tanker to shift resulting in the vehicle landing on its right side. The accident involving the tanker, which was carrying approximately 6,000-gallons of raw milk from Pennsylvania, damaged the top-side lids for both compartments on the trailer. These damaged lids caused an unknown amount of the raw milk to leak out of the tanker onto the ground and then into two storm drains adjacent to the accident site. As the tanker was carrying a non-combustible liquid, it was deemed safe by DNREC-ERT to conduct drilling of the tanker and transfer of the load without bonding and grounding equipment. Aetna VFC cut holes in both compartments of the damaged tanker, and the remaining contents were trans-loaded into an undamaged milk trailer. Aetna VFC, at the direction of the DNREC-ERT, flushed the affected storm drains with copious amounts of water in order to dilute the raw milk entrained in this location. This was done in order to lessen any sort of Biological Oxygen Demand (BOD) loading effect the raw milk would have on the receiving water body, which in this case was the White Clay Creek, that may in turn may have caused a fish kill. The transport company was required to destroy the load of raw milk by the DE DHSS - DPH. In addition, the transport company limed the grassy area affected by the milk spill with approximately 300-pounds of granulated lime in order to help with odor control and to destroy any potentially harmful pathogens in this area.



<b>DNREC ERT HazMat Response Summary</b>						
<b>SFY 2016</b>						
<b>July 1, 2015 to May 31, 2016</b>						
<b>TYPE OF RESPONSE</b>	<b>Quarter 1</b>	<b>Quarter 2</b>	<b>Quarter 3</b>	<b>Quarter 4</b>	<b>TOTAL</b>	<b>PERCENT</b>
Abandoned drums & containers	8	10	5	3	26	7%
Asbestos	1	2	0	1	4	1%
BIOA (white powder)	3	2	0	0	5	1%
EOD Assists/Special Duty/Exercises	15	9	8	11	43	12%
Fires	4	2	2	1	9	3%
Fish kills	1	0	1	0	2	1%
Indoor air quality	8	6	3	2	19	5%
Marina/waterway sheen/spills	9	9	5	4	27	8%
Medical waste	0	1	0	0	1	0%
Mercury spill	0	1	0	0	1	0%
Mineral Oil	0	0	2	1	3	1%
Odor	0	2	0	0	2	1%
Other	8	3	9	3	23	7%
Other petroleum	1	1	2	1	5	1%
Out of state	0	1	1	1	3	1%
Petroleum	10	10	1	0	21	6%
Radiation	0	0	1	0	1	0%
Residential oil spills	12	18	18	5	53	15%
Storage tank releases	1	1	4	1	7	2%
Sunken Vessels	1	0	1	0	2	1%
Tar Balls	1	0	0	0	1	0%
Transportation	26	20	24	20	90	26%
Waste Oil	1	0	0	0	1	0%
<b>Total Number of Responses</b>	<b>110</b>	<b>98</b>	<b>87</b>	<b>54</b>	<b>349</b>	<b>100%</b>
<b>RESPONSES BY COUNTY</b>						
<b>TYPE OF RESPONSE</b>	<b>Quarter 1</b>	<b>Quarter 2</b>	<b>Quarter 3</b>	<b>Quarter 4</b>	<b>TOTAL</b>	<b>PERCENT</b>
New Castle County	51	58	54	28	191	55%
Kent County	28	21	17	17	83	24%
Sussex County	31	18	15	8	72	21%
Maryland	0	0	1	1	2	1%
Pennsylvania	0	1	0	0	1	0%
<b>TOTAL</b>	<b>110</b>	<b>98</b>	<b>87</b>	<b>54</b>	<b>349</b>	<b>100%</b>
<b>PETROLEUM AND NON PETROLEUM RESPONSES</b>						
<b>TYPE OF RESPONSE</b>	<b>Quarter 1</b>	<b>Quarter 2</b>	<b>Quarter 3</b>	<b>Quarter 4</b>	<b>TOTAL</b>	<b>PERCENT</b>
Petroleum	63	62	60	33	218	62%
Non-Petroleum	47	36	27	21	131	38%
<b>TOTAL</b>	<b>110</b>	<b>98</b>	<b>87</b>	<b>54</b>	<b>349</b>	<b>100%</b>
<b>SFY 2016 SERT INCIDENTS</b>	<b>INCID. #</b>	<b>SERT Level</b>	<b>SERT Date</b>			
Edgemoor Road County PD Assist	150905-02-1NN	1	9/5/15			
Dentsply Caulk	150905-03-1PK	1	9/5/15			
Homestead Road Carbon Monoxide Leak	160325-01-1NN	1	3/25/16			
DSU VPOTUS Visit	160507-02-1NK	1	5/7/16			

**DNREC Published 2014 Toxics Release Inventory (TRI) data and analysis** in January 2016. TRI data is compiled by the Emergency Planning and Community Right to Know (EPCRA) program. Delaware's TRI reports are on DNREC's website at:  
<http://www.dnrec.delaware.gov/SERC/Pages/Reports.aspx>

**Attachment 5**  
**SERC Funds – 2016 Fiscal Year Summary**  
 (Based on figures from January 1, 2016 through end of fiscal year)

**SERC Fee Holding Account:**

Carryover from 2015 calendar year	+ \$ 181,460
Fees received in 2016 (thru June 30)	+ \$ 295,200 (a)
Annual disbursements for FY 2017	<u>- \$ 336,117 (b)</u>
Account balance as of end of FY 2016	+ \$ 140,543

**Decon Trailer Replacement Account:**

Carryover from 2015 calendar year	+ \$ 91,392
Deposit in June as part of SERC FY 2017 disbursements	+ \$ 30,000 (b)
Interest received thus far in 2016 calendar year (1 <sup>st</sup> 6 months)	+ \$ 1,287 (c)
Funds from sale of first decontamination trailer	<u>+ \$ 11,250</u>
Account balance as of end of FY 2016	+ \$ 133,929

Notes:

- a) Reports and fees from facilities covering calendar year 2015 were due 3/1/2016. Efforts to review submitted reports and fees, and follow-up on delinquent reporters, are ongoing. Fees collected in 2015 totaled \$277,440.
- b) FY 2017 Allocations Approved for Distribution:

Agency/Organization	FY 2017 Approved Allocation
City of Wilmington LEPC	\$ 62,258.99
New Castle County LEPC (account maintained at DSFS)	\$ 81,791.00
Kent County LEPC	\$ 65,085.54
Sussex County LEPC	\$ 69,083.79
SERC IT Committee (account maintained at DSFS)	\$ 12,898.00
Transfer to decontamination trailer equipment and maintenance account*	\$ 0
Transfer to decontamination trailer replacement account	\$ 30,000.00
DNREC Emergency Prevention & Response Section	\$ 15,000.00
<b>Total</b>	<b>\$ 336,117.32</b>

\* The decontamination trailer equipment and maintenance account is a separate account established by the SERC to cover replenishment of equipment and supplies for the trailers during the fiscal year, as well as maintenance costs. Each year, SERC funds are allocated to cover expenses during the previous year and replenish the account to approximately the \$15,000 level. Balance was near this level, so no additional funds were added.

- c) Interest will continue to accumulate. Effective July 2008, interest from both the Fee Holding Account and Decon Trailer Replacement Account are to be jointly deposited into the Decon Trailer Replacement Account.

**Attachment 6**

<b>DELAWARE STATE EMERGENCY RESPONSE COMMISSION</b>			
<b>Member List as of June 30, 2016</b>			
<b>Chairperson</b>	Mr. James N. Mosley Secretary Department of Safety & Homeland Security	Public Safety Building P.O. Box 818 Dover, DE 19903	Phone: (302) 744-2665 Fax: (302) 739-7003
<b>DelDOT</b>	Mrs. Jennifer Cohan Secretary Department of Transportation	Highway Administration Bld P.O. Box 778 Dover, DE 19903	Phone: (302) 760-2303 Fax: (302) 739-4329
<i>Designated Proxy</i>	Mr. Gene Donaldson Operations Manager Transportation Management Ctr.	169 Brick Store Landing Rd. Smyrna, DE 19977	Phone: (302) 659-4601 Fax: (302) 659-6128
<b>DSP</b>	Col. Nathaniel McQueen Superintendent Delaware State Police	Headquarters Bld., Rt. 13 P.O. Box 430 Dover, DE 19903	Phone: (302) 739-5911 Fax: (302) 739-5966
<i>Designated Proxy</i>	Lt. Col. Monroe B. Hudson Jr.		
<b>DEMA</b>	Mr. A.J. Schall Jr. Director DE Emergency Mgt Agency	Emergency Operations Ctr. 165 Brick Store Landing Rd. Smyrna, DE 19977	Phone: (302) 659-3362 Fax: (302) 659-6855
<i>Designated Proxy</i>	Mr. Glenn Gillespie		
<b>DNREC Vice-Chair</b>	Mrs. Marjorie A. Crofts Director – DNREC Division of Waste & Hazardous Substance	89 Kings Hwy. Dover, DE 19901	Phone: (302) 739-9400 Fax: (302) 739-1894
<b>Fire Marshal (FMO)</b>	Mr. Grover P. Ingle State Fire Marshal	DE State Fire Service Center 1537 Chestnut Grove Road Dover, DE 19904	Phone: (302) 739-5665 Fax: (302) 739-3696
<i>Designated Proxy</i>	Mr. Michael G. Chionchio, Assistant State Fire Marshal		Phone: (302) 323-5375 Fax: (302) 323-5366
<b>Public Health</b>	Dr. Karyl Rattay Director Division of Public Health	Jesse Cooper Building 417 Federal Street Dover, DE 19901	Phone: (302) 744-4818 Fax: (302) 739-6659
<i>Designated Proxy</i>	Dr. Har Ming Lau, Chief Environmental Health		Phone: (302) 744-4842 Fax: (302) 739-3071
<b>Fire School (DSFS)</b>	Mr. Robert Newnam Director DE State Fire Service Center	1461 Chestnut Grove Road Dover, DE 19904	Phone: (302) 739-4773 Fax: (302) 739-6245
<i>Designated Proxy</i>	Mr. Steve Martin, Dep. Director		
<b>Fire Prevention Commission</b>	Robert Ricker Fire Prevention Commission	28547 DuPont Blvd Millsboro, DE 19966	Phone: (302) 228-2020 Fax: (302) 934-6746
<b>Rail Transportation</b>	Mr. Robert Byrd Industry Representing Rail	Wilmington Trust Center 2 Penns Way, Suite 305 New Castle, DE 19703	Phone: (302) 757-6300

<b>DELAWARE STATE EMERGENCY RESPONSE COMMISSION</b>			
<b>Air Transportation</b>	Mr. Alfred F. Johnson, Jr. Industry Representing Air	4403 Irish Hill Road Magnolia, DE 19962	Phone: (302) 335-5454 Fax: (302) 335-3922
<b>Highway Transportation</b>	Michael Layton Industry Representing Highway	308 NE Front St. Milford, DE 19963	Phone: (302) 424-2841
<b>Water Transportation</b>	Lynn Krueger Industry Representing Water	296 Llewlyn Road. Chester Heights, PA 19017	Phone: (302)547-3405
<b>Shippers</b>	Capt Brian Wong Industry Representing Shippers	1308 Riverview Avenue Wilmington, DE 19806	Phone: (302) 463-6370
<b>Chemical Users</b>	Mr. John Verdi Industry Representing Users BASF Corporation	205 S. James Street Newport, DE 19804	Office: (302) 992-5660 Fax: (302) 992-9371
<b>Consignees</b>	Mr. James Lee Industry Representing Consignees DE City Refinery Co.	4550 Wrangle Hill Road Delaware City , DE 19706	Phone: (302) 834-6404
<b>DE Volunteer Firefighters Association</b>	Senator Bruce C. Ennis Director DE Volunteer Fireman's Association	522 Clayton Road Smyrna, DE 19977	Phone: (302) 744-4351 Fax: (302) 739-2313
<i>Designated Proxy</i>	Mr. Warren Jones, Executive Secretary	PO Box 1849 Dover, DE 19903	Phone: (302) 734-9390 Fax: (302) 734-9404
<b>City of Wilmington</b>	Mr. Joseph G. DiPinto Representative, State of Delaware Chair, City of Wilmington LEPC	2607 W. 18 <sup>th</sup> Street Wilmington, DE 19806	Phone: (302) 655-8749 Phone: (302) 739-4079 Fax: (302) 739-2773
<i>Vice Chair</i>	Mr. George Giles	Public Safety Bld 22 South Heald Street Wilmington, DE 19801	Phone: (302) 576-3915
<b>New Castle County</b>	Mr. David H. Irwin Chair, New Castle County LEPC	LEPC for NCC P.O. 2998 Wilmington, DE 19805-0998	Phone: (302) 383-1307 Fax: (302) 323-4573
<i>Co-Vice Chairs</i>	Mr. Tom Kovach Mr. Jacob Morente		Phone: (302) 293-4841 Phone: (302) 420-3307
<b>Kent County</b>	Chief Colin Faulkner Chair, Kent County LEPC	Kent County Department of Public Safety 911 Public Safety Blvd. Dover, DE 19901	Phone: (302) 735-3461 Fax: (302) 735-3473
<i>Co-Chair</i>	Lt. David Mick		
<b>Sussex County</b>	Mr. Charles B. Stevenson, IV Chair, Sussex County LEPC	Sussex County EOC P.O. Box 589 (21911 Rudder Lane) Georgetown, DE 19947	Phone: (302) 855-7810 Fax: (302) 855-7805