

**Eastwick Lower Darby Creek Area Community Advisory Group (ELDCA CAG)
eldca.cag@gmail.com
[LDCA Superfund Site Community]
Eastwick Mercy Wellness Center
August 12, 2015
Sponsored by US EPA Region 3**

The Eastwick Lower Darby Creek Area Community Advisory Group [ELDCA CAG] Meeting [for the Lower Darby Creek Area [LDCA] Superfund Site in Eastwick PA] was held on Wednesday, August 12, 2015 at the Eastwick Mercy Wellness Center. The meeting began at approximately 6:30 pm and adjourned at 8:30 pm. [Please see the agenda for the August 12th meeting at the end of this meeting summary - Appendix A.] Approximately 22 people were in attendance for this meeting.

WELCOME and INTRODUCTIONS

Leo Brundage, a member of the ELDCA CAG Leadership Team, welcomed everyone to the meeting. He thanked everyone for coming out to support the CAG and introduced himself and other CAG Leadership Team members. He then introduced Josh Barber, EPA's Remedial Project Manager [RPM] and invited him to provide a Site update for the Lower Darby Creek Area [LDCA] Superfund Site.

EPA SITE UPDATE

Technical Update: Josh Barber, RPM for the LDCA Site, provided an update on technical activities at the Site.

Josh discussed the current status of several activities related to the Remedial Design (RD) for Operable Unit (OU1) of the Site, the Clearview Landfill Soils, Waste and Shallow Leachate. Development of the RD preliminary (30%) design is ongoing. Josh showed a map of the Site that indicated where the steepest slopes were located. Much of the landfill's perimeter has extremely steep slopes. This will be a challenge both for the stabilization of the stream bank as well as other portions of the cover.

The Pre-Design Investigation (PDI) sampling plan is nearly completed. EPA plans to mobilize for sampling in late August or early September. Josh indicated that the majority of the sampling should be completed in late September or early October. However, some additional sampling later in the year and/or early 2016 is also a possibility. An EPA "In The Moment" video was presented by Josh. This video is one minute long and provides an example of the type of drill rig (referred to as a "Geoprobe") that will be used during much of the PDI. This video is up on the LDCA website and will also be shown to any residents whose properties require soil testing.

Josh also announced that there are two new staff from Tetra Tech, EPA's Remedial Design contractor, who will be developing the Community Health and Safety Plan

(CHASP), Dr. Jennifer Carothers and Jim Laffey. They will be attending the next CAG Health and Safety Working Group meeting to discuss the CHASP and how it will be developed.

For Operable Unit 3 (OU3), contaminated groundwater associated with the Clearview Landfill, Josh indicated that the third round of groundwater sampling from EPA's extensive monitoring well network has been completed. EPA is awaiting the results from this most recent sampling event and, in the interim, is working on the Remedial Investigation (RI) report, which will discuss the nature and extent of the groundwater contamination as well as how the groundwater contamination is moving and what the potential future health risks from drinking the groundwater may be. Groundwater in the area is not used as a drinking water source.

For Operable Unit 2 (OU2), the Folcroft Landfill, Josh discussed the ongoing investigation by the Responsible Parties (RPs) of the bedrock aquifer to determine if the groundwater is contaminated. Previous results have determined that the shallow aquifer is contaminated with contaminants related to OU2. The main contaminants are 1,4-dioxane and trichloroethene (TCE). The RPs have installed new bedrock monitoring wells and EPA is awaiting the results before discussing the next steps with them, along with the Pennsylvania Dept. of Environmental Protection and the John Heinz National Wildlife Refuge. EPA is also conducting a baseline risk assessment of the aquatic areas of the LDCA Site, e.g., sediment, fish tissue, turtle tissue. Most of the needed samples have been collected. A second round of turtle sampling will be conducted in August 2015.

Community Involvement Update: Larry Brown, CIC, for the site provided an update on community involvement activities.

EPA's Community Involvement Plan [CIP]: EPA continues to work with its contractor to complete several important documents including: a Frequency Asked Questions (FAQs) document for this site, an updated Newsletter, a site cleanup timeline, and a Community Involvement Plan (CIP). The FAQs is a list of those questions that are repeatedly asked, the Newsletter is an update of the site, and the time line will show the projected dates for key EPA actions and milestones leading to cleanup of the site. Each of these items will be posted on EPA's website and produced in a fact sheet format. EPA continues to develop information and outreach tools that the Agency hopes will be useful to the CAG and the broader Eastwick community to provide current information and updates about the site. The FAQs will be updated as needed. The Newsletter will be produced 2 - 3 times a year and will be updated as significant progress is made at the site. The CIP is more of a long-term project and will address how EPA will focus our community involvement and outreach efforts with the goal of how to best keep the community informed on all upcoming site activities. Lastly EPA will hold a Community Information Session August 27, 2015, from 6:00 – 8:00pm at the Mercy Wellness Center. This session is open to the entire community as well as all CAG members. EPA encouraged

CAG members to let their neighbors know about this meeting in an effort to make sure as many community members attend as possible.

WORKING GROUP REPORTS

The new ELDCAG's "working groups", which were recently established in accordance to the procedures outlined in the ELDCAG Operating Procedures, continue to make significant strides toward addressing issues and concerns presented at CAG meetings over the course of the past several months. Those working groups include the Technical Working Group and a Health and Safety Working Group, established between the May 13th CAG meeting and the June 10th CAG meeting. A third working group (Communications Working Group) was formed between the June 10th and the July 8th CAG meetings.

Typically CAG working groups will meet once monthly, and in advance of regularly scheduled CAG meetings, so that the co-chairs of the working groups can report back to the full CAG membership about what transpired in their working group meetings. Therefore, a regular component of each CAG meeting summary will be reports from each of the CAG working groups.

The following CAG working group reports follow:

- Technical Working Group Report
- Health and Safety Working Group Report
- Communications Working Group Report

1. *Technical Working Group: Pre-Design Investigation Sampling Plans* [Summary from July 15, 2015 Technical Working Group [TWG] meeting]

EPA met with TWG to review the following items:

- One goal of the Pre-Design Investigation (PDI) is to refine the areas of soil contamination above cleanup levels in the City Park and, if necessary, the Eastwick neighborhood. As part of the planning for the upcoming PDI, a test plot in one of the identified sampling area (referred to by EPA as a sampling unit (SU)) was sampled to test whether 10 samples are sufficient to accurately determine the concentration of contaminants in that SU. The findings from the test plot in the City Park showed that, in at least that area of the Park, sampling of nearby residential properties should also be conducted as part of the PDI, and EPA will be working obtaining access to those properties.
 - a. The sample areas (SUs) that will be sampled are the size of a typical backyard in the Eastwick neighborhood (20' x 25'). Ten (10) soil borings will be collected and combined into what is called an "incremental sample" and analyzed from each sample area.

- b. Three layers are intended to be sampled – the first 1' to address human health risk, the 1-2' zone to address human as well as ecological risks, and from 2' to the water table (generally 2-5') to address potential future uses of the deeper soils. For example, installation of new utilities, foundation footings, etc.
- c. EPA tested their sampling method by collecting 3 sets of 10 samples and then comparing the results to one another. EPA's goal was for a less than 30% variance (referred to as Relative Standard Deviation (RSD)) between the three rounds of sampling (three sets of 10 samples). They found approximately a 10% variance in the top 1' layer. So, 10 samples is an adequate number of samples to characterize the 20' x 25' sample area. The variability was slightly above 30% for the 1'-2' layer. EPA determined that 10 samples for the 1-2' layer is still sufficient because, statistically, it is not possible to collect a feasible number of samples to reduce the variance.
- d. Although the PDI will refine the areas of soil contamination, as part of the excavation conducted during the actual cleanup, additional samples will be collected after the excavation to confirm cleanup levels have been met.
- Discussion of revisions to Pre-Design Investigation Work Plan's Sampling and Analysis Plan.
 - a. Two minor changes have been made to the Work Plan.
 - i. The US Army Corps of Engineers Ft. Mifflin dredge disposal basin has been identified as a potential source for the approximate 200,000 to 400,000 cubic yards of soil needed for the new landfill cover (an area 3' by 3' by 3' deep = 1 cubic yard). EPA has put together a sampling plan (added to the Work Plan) for testing the dredge material that the Corps is making available for the cover material to see if it meets PA's Clean Fill Concentration Limits and the Cleanup Standards for the Clearview Landfill. If it meets PA's Clean Fill Standards and the Clearview Landfill Standards it will be suitable for use. EPA is planning on collecting and analyzing 39 samples from the Ft. Mifflin basin, well in excess of the number required by PA's Management of Fill Policy. EPA is also checking the grain-size of those samples (a specific range in grain size is important for evapotranspiration cap to work properly) If the dredge material is clean enough for use and it has the right grain size EPA will then begin assessing it as a suitable soil for growing the cover vegetation. If there are compounds above Clearview Cleanup Levels or PA Clean Fill Concentration Limits, the soil potentially could still be used. EPA will look into this further as part of a separate soil amendment project.
 - ii. There is a separate research study that will eventually be added to the Work Plan to evaluate amending/improving the soils to make them ideal for the

evapotranspiration cap and meet cleanup levels and PA Clean Fill Concentration Limits. EPA is working with its headquarters office, the EPA Office of Research and Development and University of Washington on this project. The Work Plan for this separate study will also be shared with the Technical Working Group for review.

- Update on grading plan and overall progress with conceptual design.
 - a. The EPA's contractor is working on a grading plan for the landfill. There are significant challenges associated with two areas of the landfill adjacent to Darby Creek where the slopes are very steep. When EPA's contractor has presented their ideas to EPA, EPA will share them with the TWG. Two options that are being considered are to excavate those areas to flatten the slopes or to create a wall (sheet-piles and gabion baskets are being considered) along Darby Creek.
 - b. This grading challenge goes to the overall grading of the landfill. EPA's goal for the grading is that after the cover is installed there will be no effect on flooding. This means that there will be no fill in the floodway or flood hazard area, because that would create additional flooding and it is prohibited by Federal and State regulations.

The TWG knows that the memorandum prepared by Darby Creek Valley Association's (DCVA) Technical Advisory Group's (TAG) consultant has been reviewed and will be issued in final form by the end of July. The TAG will submit the final memorandum to the ELDCACAG's Leadership Team when it is complete.

ACTION ITEMS FOR NEXT TWG MEETING (August 17, 2015 @ Eastwick Library):

1. Updates on progress of 30% Design (Conceptual Design).
2. Updates on progress of PDI work.

Upcoming TWG Meeting Dates at 4:00 PM (locations to be determined):

August 17, 2015
September 17, 2015
October 28, 2015
November 23, 2015
December 17, 2015

2. ***Health and Safety Working Group: Comments on EPA's Community Health and Safety Plan Survey***
[Summary from July 15, 2015 Health and Safety [H&S] WG meeting]
 1. Introductions
 2. Review latest revision of CHASP Survey

- a. The HSWG continued to revise the CHASP survey. Purpose of survey is to gather the concerns of the community regarding nuisance and health concerns.
- b. Should we distribute to the broader community or does CAG represent community well?
 - i. If voting members of the CAG are representatives of the community, there was discussion that perhaps we do not need to distribute the survey to the broader community. However, it's not clear whether members of the CAG are reaching out to their constituents, in a manner that they can effectively answer for them when completing the survey. The HSWG requested the Leadership Team remind each CAG member of their responsibility to communicate to their constituents and bring their concerns back to the CAG. The HSWG decided that the survey can serve as a communication item to supplement individual communication efforts, and can gather information for the CHASP and promote community buy-in.
- c. Distribution plan
 - i. What is the target response for surveys? An exact amount may not be necessary as long as we target diverse sectors of the community. The current distribution strategies are as follows: (1) CAG members are volunteering to distribute the surveys at local shopping center; (2) CAG members are volunteering to distribute the surveys in their neighborhood and at religious and civic organizations; (3) Online survey/. Estimated distribution timeline: (1) Finalize the survey before posting online; update to reflect the ELDCAG website; (2) Distribute beginning 2 months from now
 - ii. Other places to add to current distribution plan
 - 1. Heinz Refuge; may be more visitors that attend the park compared to community members. Possibly post to community shelf area.

2. ShopRite on Island/Lindbergh. Possibly post to bulletin board.
 3. Delaware County: Colwyn and Tribet Place. Police station, church and community center.
- d. Potential distribution sites for the HS Survey
- i. Cibotti Recreation Center-77th Elmwood Ave Contact- Brian Mango-215-685-4194
 - ii. Clearview United Methodist Church- 7605 Buist Ave- 215-365-6672
 - iii. Eastwick Worship Center- 8321 Lindbergh Blvd-Contact- Rev Dr. Michael Roberts- 215-365-1810
 - iv. St Paul AME Church 8398 Lindbergh Blvd- contact- Rev Frank Smart- 215-365-6280
 - v. Eastwick regional Park- 80th Mars Place- contact Debbie or Calvin- 215-685-4193

3. Current community environmental health status

- a. **Is there a need for community education/outreach now?** Concerns regarding lead and other pollutants in soil that may be from prior industrial activity in the area. Most health professionals recommend raised beds with clean soil for city gardening.
- i. Community gardens
 1. Island and Bartram: Some plots are raised, majority are not
 2. Penrose: Difficult to tell if the garden is raised
 - ii. Penn State Extension has guidelines and education materials for above ground gardening and an educational program regarding gardening could be an activity of the CAG. HSWG will share with the CAG recommendations and make an official recommendation to the CAG to promote such program: The HSWG recommends the CAG sponsor an educational session on urban gardening, with speakers from the Penn State Extension. The CAG will have an

opportunity to discuss the intersect between the Clearview Landfill and its impact on urban gardening.

- iii. Suggestions: Wearing gloves while gardening. Keeping gardening shoes and tools outside of the house.
- iv. “Living and associating with the soil you’re gardening in.” In our meetings, we discussed whether the soil was safe. We are concerned if the soil was safe before Clearview. The only way to know is to test the soil. Until then, it is best to garden using above ground soil beds and do not grow root vegetables

4. Discussion about Health and Safety Plan

- a. Postponed until assigned new CHASP coordinator (EPA consultant)

5. Future meeting dates and location

- a. EPA Meeting Aug 27th
- b. Weather plan of action: Anna will send out meeting to entire CAG
- c. Location: To be announced
- d. Dates: Aug 17th; Sept 17th; Oct 28th; Nov 23rd; Dec 17th

6. Map

- a. Josh presented a map showing EPA’s historical test results for Benzo (a) pyrene concentrations in the top two feet of soil near the Clearview Landfill and the Eastwick neighborhood. This was created based on a suggestion from Dr. Howarth at the last meeting. Josh will arrange to make a similar map for each contaminant that has a cleanup level established in the Record of Decision.

7. Attendance:

Chere Driver, Eastwick Resident Co-Chair

Dr. Marilyn Howarth, Co-Chair and Expert Resource CAG member [UPENN COEC]

Jeannette Guess, Eastwick Resident

Josh Barber, EPA

Deborah Jefferson, Eastwick Resident

Anna Katenta, [Intern working with Dr. Marilyn Howarth, UPENN COEC]

Eileen San Pedro, Eastwick Resident

Earl Wilson, Eastwick Resident, CAG Leadership Team

3. ***Communications Working Group***
Next Meeting: To be Announced

The CWG introduced a draft Communications Working Group Strategic Plan. (Form attached as APPENDIX C) and will be working with the Leadership Team and the CAG to further refine this plan.

Member comments and proposed agenda items for the September 9, 2015 CAG meeting

Following all presentations, Leo Brundage of the Leadership Team asked CAG members to offer any comments that they might have for future CAG meeting agenda items. In addition to getting an update on potential state and federal agencies that might participate in the CAG as “partner agency CAG members”, CAG members were interested in learning about safe gardening methods that should be practiced in the Eastwick community. It was agreed that an update will be provided to determine who should be contacted to provide this presentation. Michael Narin [expert resource CAG member] suggested that Penn State University was a good contact and that he would provide follow-up regarding that institution’s availability to provide this service to the CAG.

Leo Brundage thanked the CAG members for their part in helping to make the meeting a success and adjourned the meeting at approximately 8:30 pm.

PLEASE NOTE THAT THE FOLLOWING APPENXICES APPEAR AT THE END OF THIS SUMMARY:

APPENDIX A FROM THE AUGUST 12, 2015 CAG MEETING
APPENDIX B FOR THE UPCOMING SEPTEMBER 9, 2015 CAG MEETING
APPENDIX C DRAFT COMMUNICATIONS WG STRATEGIC PLAN

APPENDIX A

FINAL AGENDA

Eastwick Lower Darby Creek Area Community Advisory Group (ELDCA CAG)

eldca.cag@gmail.com

LDCA Superfund Site Community

Sponsored by

US EPA Region 3

Meeting Location: Eastwick Mercy Wellness Center

August 12, 2015

- 6:30 pm Opening remarks by CAG leadership team**
- Welcome including review of agenda, purpose of meeting
 - CAG activities undertaken since July CAG meeting
- 6:40 pm EPA update on LDCA site activities – Josh Barber, Larry Brown**
- Update on technical site activities
 - Update on community involvement site activities
- 7:00 pm Working group reports**
- Technical working group: Report from July 15, working group meeting
 - Communications working group: Report from July working group meeting
 - Announce name for the new CAG website
 - Update from Anna Katenta on CAG website
- 7:30 pm Health and Safety working group: Report from July 15, working group meeting and additional information**
- 8:00 pm Group discussion about how each member will inform their neighbors about CAG activities**
- 8:15 pm Solicit member comments and potential agenda items for September 9, CAG Meeting**
- 8:30 pm ADJOURN**

APPENDIX B
Final AGENDA

Eastwick Lower Darby Creek Area Community Advisory Group (ELDCA CAG)

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LDCA Superfund Site Community

**Sponsored by
US EPA Region 3**

Meeting Location: Eastwick Mercy Wellness Center

September 9, 2015

- 6:00 pm Opening remarks by CAG Leadership Team – Earl Wilson**
- Welcome including review of agenda, purpose of meeting
 - CAG activities undertaken since August CAG meeting
- 6:20 pm EPA update on LDCA site activities – Josh Barber, Larry Brown**
- Update on technical site activities
 - Update on community involvement site activities
- 6:30 pm Working group status updates – Ted Pickett, Margaret Cobb**
- The decision to combine the Communications and Health & Safety WGs
 - Leadership Team members will attend monthly working group meetings
 - Calling all CAG members to try to attend monthly working group meeting/s
- 6:40 pm Working group reports**
- Technical working group: Report from August 17, working group meeting
 - Health & Safety working group: Report from August 17, working group meeting
 - Community meeting assessment update
 - Urban gardening presentation update
 - Update from Anna Katenta on CAG website
- 7:15 pm Establishing CAG Partnerships – Ted Pickett**
- 7:45 pm Solicit member comments and potential agenda items for October CAG Meeting**
- 8:00 pm ADJOURN**

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Appendix C

ELDCA CAG COMMUNICATIONS WORKING GROUP STRATEGIC PLAN September 2015

The ELDCAG CAG Communications Working Group [CWG] was established in June 2015 at the same time that the new CAG was formally recognized by US EPA and began functioning independently. The CAG Leadership Team [LT] directed that the communications working group be formed to provide focus and attention to the communication needs of the new CAG. These communication needs include both internal communications between the LT and CAG members and among CAG members, as well as CAG communications with the broader Eastwick community, and other communities directly affected by activities at the LDCA Superfund site, and partner agencies working with the ELDCAG CAG on LDCA Site activities.

Purpose of the CWG: The CWG is responsible for assisting the ELDCAG CAG in implementing internal and external outreach and communication activities, approved by the LT. These communication activities are designed to ensure that both CAG members, and the Eastwick community in which we serve, are both engaged and well informed of the activities undertaken by the EPA on behalf of the Eastwick Community. The CWG will work at the direction of the LT, and alongside CAG members, to use all reasonable and appropriate methods to share information with the community about the ongoing LDCA Superfund clean-up and related activities. Keeping CAG members and the broader community informed is critical to the success of the ELDCAG CAG and the work of the CWG.

CWG Strategic Plan:

This strategic plan lays out the ELDCAG CAG's communications goals, proposed activities designed to help achieve these goals, and hoped for results of these activities for the next 24 months [until June 2017]. It is expected that this plan of action will be updated and modified over the coming months as the ELDCAG CAG establishes itself, and begins to understand more clearly the needs of the key parties interested in and affected by activities at the LDCA Superfund site.

The primary goal of the Communications Working Group [CWG] is to assist the ELDCAG CAG to design and implement effective outreach, communications, and information dissemination strategies and approaches for the CAG membership and the broader Eastwick community as this relates to the ongoing cleanup activities associated with the Lower Darby Creek Area [LDCA] Superfund Site. In order to achieve this over-arching goal, the CWG has identified specific objectives for internal CAG member communications and external CAG communications with other key parties interested in and affected by activities at the LDCA Site. These goals include:

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Internal CAG communications goals

- To assist the LT to provide CAG members with up-to-date, timely, and easy-to-understand information about communications with US EPA regarding the LDCA Superfund site - including circulating or distributing information provided to the ELDCAG by EPA, and other partner agencies, related to activities at the LDCA Superfund site.
- To assist the LT to create and maintain appropriate avenues and vehicles [above and beyond CAG monthly meetings] for CAG members to express their views and raise questions about LDCA site activities in a non-confrontational environment where opinions can be presented and discussed.

External CAG communications goals

- To assist the LT implement specific activities designed to provide members of the broader Eastwick community a chance to learn about what is happening at the LDCA Superfund site in a timely manner; ask questions of the ELDCAG, EPA, or other partner agencies regarding activities at the LDCA Superfund site.
- To assist the LT and partner agencies in their communications with Eastwick residents, when requested, by disseminating information and communication materials describing the agencies' activities at the LDCA Superfund site.

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CAG Communication Activity	Goal activity is designed to address	Hoped for outcome or result	Resources required to maintain	Who has lead responsibility
ELDCA CAG meetings	Internal communications with CAG members	CAG members up-to-date and well informed on all activities associated with LDCA site	CAG LT members' time to prepare for meetings and to post meeting announcements, etc. CAG members' time to attend meetings.	CAG LT
ELDCA Working Groups	Primary vehicle for communications with EPA and partner agencies on substantive issues associated with LDCA site	CAG members up-to-date and well informed on all activities associated with LDCA site; EPA and CAG members are able to communicate directly and on a regular basis	CAG members' participation, EPA and partner agency participation and time from WG co-chairs to document WG meetings.	CAG working group co-chairs
ELDCA Website	Primary vehicle for ELDCA CAG to communicate with all interested parties about the CAG and opportunities for CAG members and the public to become involved with the ELDCA CAG regarding LDCA site.	CAG members and residents of the broader Eastwick community and other interested parties are well-informed and up-to-date on activities associated with LDCA site.	CAG member needed to maintain website and keep documents and announcements up to date.	CWG co-chairs [until such time as a single CWG member is assigned primary responsibility]
ELDCA email address	Primary vehicle for CAG members and the broader Eastwick community to communicate with the ELDCA CAG	Eastwick residents, CAG members, and other interested parties have a single point of contact to learn about ELDCA CAG activities and will get a response to their inquiry.	CAG member needed to monitor Facebook page and respond if required.	CAG LT [until such time as a single LT member is assigned responsibility for monitoring email traffic]
ELDCA Face Book page	Primary vehicle for CAG members and interested public to learn about ELDCA CAG activities	Broad community awareness of ELDCA CAG activities, EPA's activities at the LDCA site	CAG member needed to monitor Facebook page and respond if required.	CAG LT [until such time as a single LT member is assigned responsibility for monitoring email traffic]

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CAG Communication Activity	Goal activity is designed to address	Hoped for outcome or result	Resources required to maintain	Who has lead responsibility
Responding to emerging communications needs as defined by the CAG LT; the CAG membership; or the CAG working groups	Primary vehicle for assisting the LT to respond to emerging communication needs of CAG members or the Eastwick community	ELDCA CAG becomes more visible in the community and is viewed with credibility because it responds to emerging needs for better communication and information	CWG co-chairs need to maintain close coordination with the CAG LT and respond to emerging needs	CWG co-chairs working with LT members

ELDCA COMMUNICATIONS ACTIVITIES [June 2015-June 2017]