

**CAG FORMATION MEETING #5
[LDCA Superfund Site Community]
Eastwick Mercy Wellness Center
June 10, 2015
Sponsored by US EPA Region 3**

US EPA hosted Community Advisory Group [CAG] Formation Meeting #5 for the Lower Darby Creek Area [LDCA] Superfund Site community in Eastwick PA on Wednesday, June 10, 2015 at the Eastwick Mercy Wellness Center. The meeting began at approximately 6:40 pm and adjourned at 8:30 pm. [Please see the agenda for the June 10th meeting at the end of this meeting summary - Appendix A.] Approximately 30 people were in attendance for this meeting.

WELCOME and INTRODUCTIONS

Larry Brown, EPA Community Involvement Coordinator [CIC] for the LDCA Site welcomed everyone to the meeting and reminded people that this was CAG formation meeting #5. He then recognized Marion Cox, the neutral facilitator who assisted with CAG formation, for all of her hard work in assisting the community to establish its own CAG. Next Larry introduced Josh Barber, EPA's Remedial Project Manager [RPM] 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 and Waste. EPA's contractor for the RD, Tetra Tech (TT), is currently developing the preliminary design (also referred to as the 30% design) for OU1, including the grading plan which establishes the initial elevations, excavations, etc. that will need to be made for the landfill cover and other remedy components. Once it is in draft final form, the preliminary design will be provided to the CAG for review.

Josh also discussed the upcoming Preliminary Design Investigation (PDI). The PDI is intended to address requirements in the OU1 Record of Decision (ROD) to gather additional information to assist in the RD process. Josh previously met with the CAG Technical Work Group to discuss the PDI, but they were not able to get through all of the material. The remaining content will be discussed at the next TWG on June 22, 2015. Josh also indicated that when the PDI work is ongoing, there will be opportunities for the CAG members to visit the drilling equipment and see what samples look like.

EPA is also working with the Health and Safety Working Group (HSWG) on a short survey about concerns during construction of the remedy. EPA's goal for the survey is to make sure that no major community concerns are missed in the Community Health

and Safety Plan (CHASP) that is being developed. Once input is provided, the survey will be revised and shared with the CAG. Development of the CHASP will take several months.

Josh briefly discussed the status of the two research nurseries that have been planted: one at Clearview and another on a PA. Game Commission property about an hour north of Philadelphia. Various types of planting methods were used at the nurseries to determine what is best for the full landfill cover when it is time for it to be planted.

As for the Clearview Landfill Groundwater (Operable Unit 3 (OU3)), EPA will be conducting the 3rd round groundwater sampling starting in late June or early July. All three rounds of sampling will be used to determine how and where contamination is moving and evaluate any potential risks.

For the Folcroft Landfill (Operable Unit 2), the Responsible Parties (RPs) have completed their shallow groundwater investigation. "Shallow groundwater" refers to the overburden material that is above bedrock. In early May, the RPs began an investigation of the bedrock groundwater to determine if it has been impacted by the Folcroft Landfill. This was done following a plan that was approved by EPA and the Pennsylvania Department of Environmental Protection. Results from the investigation should be available in late summer.

EPA is conducting an aquatic risk assessment that is looking at the contaminants and potential risks from the sediments in Darby Creek from the Clearview Landfill down to its discharge point with the Delaware River. The last round of sampling for this risk assessment will be conducted this summer and will entail collection of snapping turtles for tissue contaminant sampling.

Josh also advised CAG members that EPA staff will soon be seen bouncing around the community on sampling tools that resemble pogo sticks to check for subsurface soil contamination.

When asked by Dr. Marilyn Howarth how close has contamination got to Penrose Elementary School, Josh responded that according to studies the contamination boundary is at the landfill and that so far there is no evidence of contamination in the soil near Eastwick schools.

In response to the discussion about setting up air monitors to establish a baseline before the cleanup process begins, Dr. David E. Thomas stated that if the EP wants to set up air monitors at Bartram Motivation, he will provide assistance toward making that happen.

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

Community Involvement Plan [CIP]: Tetra-Tech is EPA's contractor for the LDCA Site and is currently working with EPA on updating the CIP. Larry stated that an update of the CIP, which will detail how the EPA plans to work with the community and keep them informed as cleanup is proceeding, will be available by late August to early September to introduce to the CAG and the community.

Larry also stated that EPA staff is listening carefully to questions and concerns

expressed in CAG meetings and is in the process of developing a set of Frequently Asked Questions (FAQ) for the project area. Once completed these FAQs will be provided to the CAG as well as widely circulated to the entire Eastwick community. The FAQs will be posted on EPA's LDCA website as well so that anyone interested in the LDCA site will have access to these FAQs.

EPA FORMAL RECOGNITION of NEW CAG

Next, Helen DuTeau, Chief, Community Involvement and Outreach Branch for US EPA Region 3, formally recognized the Eastwick Lower Darby Creek Area [ELDCA] CAG and congratulated the new CAG Leadership Team and the full CAG membership for their hard work, commitment, time spent in helping to formulate the CAG and commending them for an amazing job done so far. Helen stated that this CAG, and its members, are one of the most impressive CAGs she has had the chance to witness in Region 3. She noted members' commitment to represent the broader Eastwick community, members' long-term commitment to see this site cleaned up over many years prior to the establishment of this CAG; and noted the wide range of residents represented on the CAG. Helen then officially turned the meeting over to the new ELDCA CAG Leadership Team to conduct the remainder of the meeting.

CAG LEADERSHIP TEAM

Leadership team [LT] member, Earl Wilson, opened up this phase of the meeting stating that he and fellow leadership team member, Leo Brundage, have been working on landfill issues for over 30 years and how wonderful it is to have the new ELDCA CAG officially recognized by EPA, and working alongside EPA making progress toward getting the site cleaned up.

LT member, Margaret Cobb, then formally announced that the name of the newly formed CAG is the Eastwick Lower Darby Creek Area Community Advisory Group (ELDCA CAG.) Margaret briefly reviewed the process through which this name was selected. The LT first solicited ideas for names for the new CAG from all members. Next, all CAG members were given 2 names to vote on or choose from. The name that got the most votes from CAG members who responded was Eastwick Lower Darby Creek Area CAG.

WORKING GROUP REPORTS

The new CAG has already moved to establish several "working groups" according to the procedures outlined in the CAG Operating Procedures. Two new working groups were established between the May 13th CAG meeting and the June 10th CAG meeting including: a Technical Working Group and a Health and Safety Working Group.

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

Technical Working Group: Pre-Design Investigation Sampling Plans

**EASTWICK LOWER DARBY CREEK AREA COMMUNITY ADVISORY GROUP
TECHNICAL WORKING GROUP MEETING MINUTES**

June 15, 2015

MEETING SUMMARY (held on June 3, 2015)

The EPA met with TWG to review the proposed Pre-Design Investigation (PDI) Tasks covering all of what is required in the ROD (Record of Decision), in preparation of the Remedial Design. The following PDI Tasks were presented:

- Finish confirming the boundary between the landfill and its edges to make sure all waste ends up under the cap. The areas of additional investigation encompass approximately 11 acres. EPA is going to sample along the edge of the estimated cover boundary between 84th street and planets streets closest to the landfill (depicted on the drawings in the ROD). The sampling will be every 50-feet along the edge of the landfill cover where waste or contamination was previously identified. If waste is found then more investigation will be conducted by stepping out an additional 50-ft from the edge of the cover. If no waste is found or if construction and demolition (C&D) debris is identified, and there is evidence of contamination, samples will be collected and analyzed. Sampling will continue until the edge of the waste is found. Waste per EPA, does not include C&D debris (bricks, broken concrete, etc.), which is considered non-hazardous, is common to every urban area in the US and does not need to be under the cover. EPA presented several maps showing the extent of initial samplings, indicating where no waste or C&D debris was found and where only C&D debris was found.
- Determine the thickness of the waste that was found in the Eastwick City Park. EPA is going to drill throughout the Park where waste was found to determine the thickness of the waste and how much soil is covering the waste. The thickness of the waste will determine whether the quantity is small enough to be excavated and move under the landfill cover or whether the cover needs to be extended over the waste in the Park.
- Additional sampling where waste or cleanup levels were exceeded in samples that are outside of the proposed cover limit. The composite sampling proposed is to assess the extent of soils that exceed the cleanup levels. Residential sampling has begun near the backyards behind Angelo Place

(The areas where this additional sampling is proposed were depicted in red boxes on the slides displayed by EPA).

- Sample to verify that principal threat wastes (PCBs) are being addressed.
 - Evaluate dioxins/furans (environmental pollutants that are byproducts of industrial processes) in the Eastwick City Park. Per EPA, no dioxins were detected on the landfill that exceed the EPA's residential levels, EPA headquarters requires that the whole Park be sampled for dioxins. EPA will be collecting 104 samples to assess the presence of dioxins in the Park. If the results from those samples indicate risk then EPA will assess background concentrations for dioxins by collecting samples from a local public parks (Colwyn Park –park behind Penn Dot Driving Center on Island Ave on other side of Darby Creek and Suffolk Park -park behind Dunkin Donuts on Lindbergh Blvd).
 - Determine anthropogenic (environmental pollution from human activities) background levels for the full list of PAHs (pollutants) in soils within the local area. EPA will be collecting geotechnical (geo engineering)samples from one of the two possible parks mentioned above to determine the average background levels for PAHs.
 - Conduct a geotechnical (soil testing) investigation to assess the thickness of the clean soil on top of the landfill. EPA will be investigating the thickness of soil cover on the landfill to determine whether there are any areas that do not have to be cleared and regraded. The geotechnical work will be to assess the stability of the pile of waste, to make sure that when the cover is placed on top it doesn't cause part of the landfill to collapse or slide into the Park or Darby Creek.
 - Identify borrow sources for soil cover material. A very large amount of cover soils is going to be needed for the landfill. EPA is looking for sources that will be available in about two years when the cover work is expected to begin. EPA is in contact with PennDOT, the Turnpike commission, etc. to identify sources. There is going to be a very large demand for clean fill in the area, with this project and the Airport Expansion project slated to begin in a few years. EPA has to identify the sources and then sample them to make sure that they are a) clean enough for the cover and b) have the right properties for the evapotranspiration cover (grain size is critical because if it is too sandy the rain fall will soak into the soil before the trees can use it so finer grained soils are very important to find).
1. The following topics were not covered due to time constraints and will be discussed during next the TWG meeting on 6/22/15 at 4:00 PM in the Eastwick Library: Confirmation sampling that soils in PCB removal areas are sufficiently clean and that there are no concentrations over 100 ppm that remain.
 2. Soil amendment research pilot study to assess whether a manufactured soil can be created for the cover.

3. Limited further methane sampling near Mars Place and Angelo Places.
4. Archaeological Resources near Buist Place and South 83rd Street and on the southwest side of South 84th Street

EPA provided printouts of the slides for the TWG to review as the information was being presented and subsequently provided a draft of the work plan for the PDI, which the TWG is actively reviewing along with the Technical Advisory Group through Darby Creek Valley Association. When DCVA-TAG provides comments, information will pass along to the ELDCACAG.

ACTION ITEMS FOR NEXT TWG MEETING:

1. Complete the discussions regarding the Pre-Design Investigation Tasks.
2. Are the correct tree species being selected for the evapotranspiration cover?
3. Is the current and future ownership of the land that encompasses the Clearview Landfill going to negatively affect potential future use of the land once the remediation is complete?

Health and Safety Working Group: Comments on EPA's Community Health and Safety Plan Survey

**Eastwick Lower Darby Creek Area Community Advisory Group
Health and Safety Working Group Meeting
Friday, June 5, 2015
Meeting Minutes**

Next Meeting: Wednesday, June 17rd 6PM and 3rd Wed each month

- 1. Introduction**
 - Welcome
 - Anna from COEC will print meeting materials and take minutes
- 2. Discussion of preferred meeting times**
 - Selective meetings in person and conference calls
 - Daytime/Early afternoon conference calls; no preference in time
 - In person meeting time at 6pm at Eastwick Regional Park, when available
- 3. Review of Health and Safety Plans from other sites**
 - The survey that we develop should be more comprehensive. Use the Hudson River and Passaic documents as a model for potential community concerns.
- 4. Revision of Survey for Health and Safety Plan**
 - Original version was confusing and not eye catching
 - New version
 - Minimized text and reduced literacy level
 - Included section of where the survey responder lives

- This helps us to determine if there are differences in the concerns of residents based on the streets that they live in
 - Reworded concern to reflect physical health and environmental health
 - Added pictures
- Add completion instructions to survey. Edit header to read:
 - *'The following are possible safety hazards that may occur during site cleanup. Please share how concerned you are about each safety hazard by **circling** ...'*
 - Bold the word "circle"
 - add "or" between each option
 - *'The following are possibly safety hazards that may occur during site cleanup. Please share how concerned you are about each safety hazard by **circling** 'Very concerned' or 'Not concerned'*
- Questions to add
 - 'Movement of hazardous materials through the neighborhood'
- Add statement: *'If at any time during the cleanup activities, you have concerns or questions, please call...'*
 - **WE NEED TO GET A CONTACT AND PHONE NUMBER**
 - Move to the beginning of the survey
- Add lines for someone to add their own concerns at the end of the survey
- Edit the following questions about health concerns
 - Change Precipitation to *'storm run-off from site'*
 - *'Contamination due to floods'*
 - *'Contamination of air from the site'*
 - *'Contamination of groundwater from the site'*
 - *'Harm to animals or animal driven from the site into neighborhoods'*
 - *'Contamination of recreation sites'*

Other concerns and recommendations

- CAG meetings should be at recreation center to allow for more people in the community to attend.
- The environmental testing range should be expanded, specifically to include the Penrose school.
 - The Health and Safety Work Group should make a recommendation to the EPA
 - The EPA has already tested Pepper Middle School
- We need access to current aerial photos to see the areas affected by the superfund site on a regular basis
 - Request to Josh: Have a current aerial map at every meeting
 - Will also store pictures on Anna's computer
- Discuss with Josh how the survey will be distributed and returned, and the results of the survey
 - **MUST BE SENT TO EVERYONE AT THE SAME TIME**
 - 19153, possibly other zip codes

- Possibly include Sharon Hill, because the majority of the landfill is in Delaware County
 - Must have prepaid envelope
 - **Add a refrigerator magnet with contact information**
- We need a complete list of residents with deaths associated with site exposure
 - Dr. Howarth has students that are researching cancer deaths in Eastwick from the last 10 years
 - We need to ask community members about neighbors that have moved away
- Previous meetings with personnel from the health department did not communicate information to the community in a way that was understandable.
- Before the remediation process begins, the community needs to be aware of the plans to ensure protection to the children, yards, gardens and neighborhoods. Determine the contaminants that already exist in the neighborhoods and notify the community about activities that they should avoid now, before the remediation begins. **Is backyard gardening safe?**
 - Eastwick community gardens; at the corner Bartram/Island Ave
 - Request information to have this garden tested and signs posted on gardens that have been tested
 - Raised bed gardening is recommended

Member comments and proposed agenda items for the July 8, 2015 CAG meeting

Following the working group reports, Earl Wilson of the Leadership Team asked CAG members to offer any comments that they might have for future CAG meeting agenda items. Several members made statements about how pleased they are to be members of this new CAG and how optimistic they are that the cleanup will proceed forward in a more expeditious way now that a cleanup plan has been approved by US EPA. Other members stated that they have waited a long time to see the clean up process begin and that they remain committed to working with EPA in a positive and productive way, that they feel privileged to participate in this particular CAG effort because they feel they are contributing to something that will not only benefit the entire community but that they are contributing to the health and well-being of future generations of Eastwick. Many CAG members stated they were proud to serve and intend to stay actively involved with this CAG until this site is fully cleaned up. All CAG members were unanimous in their support for the new CAG Leadership Team and offered their support to the five members who make up the new Leadership Team as they guide the new CAG forward in its partnership with EPA to get this site cleaned up as quickly and effectively as possible.

Earl Wilson thanked EPA for its support of the CAG formation process and adjourned the meeting at approximately 8:30 pm.

PLEASE NOTE THAT A DRAFT AGENDA FOR THE UPCOMING JULY 8, 2015 CAG MEETING APPEARS AT THE END OF THIS SUMMARY AS APPENDIX B.

APPENDIX A

FINAL AGENDA
Community Advisory Group [CAG] Meeting #5
LDCA Superfund Site Community
sponsored by
US EPA Region 3
Meeting location: Eastwick Mercy Wellness Center

June 10, 2015

- 6:30 pm Opening remarks**
- Welcome including review of agenda, purpose of meeting
 - Brief review of CAG Formation activities to date
- 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 EPA formal recognition of new CAG - Larry Brown**
- EPA formally recognizes new CAG
- 7:15 pm CAG leadership team**
- Announces name of new CAG
 - Describes CAG activities undertaken since May CAG meeting
 - Solicit input from all CAG members about how they plan to reach out to and communicate with the segments of the community they represent
- 7:45 pm Working group reports**
- Technical working group: Pre-Design Investigation Sampling Plans
 - Health and Safety working group: Comments on EPA's Community Health and Safety Plan Survey
- 8:15 pm Solicit member comments and potential agenda items for July CAG Meeting**
- 8:30 pm ADJOURN**

**APPENDIX B
PROPOSED AGENDA**

**Eastwick Lower Darby Creek Area Community Advisory Group (CAG)
LDCA Superfund Site Community
Sponsored by
US EPA Region 3
Meeting Location: Eastwick Mercy Wellness Center**

July 8, 2015

- 6:30 pm Opening remarks by CAG leadership team**
- Welcome including review of agenda, purpose of meeting
 - CAG activities undertaken since June 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 June 22, working group meeting
 - Health and Safety working group: Report from June 22, working group meeting
 - Communications working group: Recommended approach for CAG website
- 7:30 pm EPA Presentation: Land ownership questions and how they affect the Clearview Landfill cleanup process – Josh Barber**
- 8:15 pm Solicit member comments and potential agenda items for August 12, CAG Meeting**
- 8:30 pm ADJOURN**

CAG members please submit your questions about land ownership to Josh Barber and the CAG LT NO LATER THAN MONDAY, JUNE 29th, to provide ample time for Josh to prepare for the above-referenced EPA presentation.