

EAC AGENDA

Haverford Twp EAC – Tuesday, January 5, 2016 at 7:30 pm

EAC Members 2015-2016: Terry Watkins (1 - D'Emilio) - David Schwartz (2 - Oliva) – Michael Schaefer (3 - McClusky) - Aurora Dizel (4 - Siegel) – Colleen Dwyer Hansen (5 - Lewis) – Michael D'Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) – Derron LaBrake (EAC Appointee) - Dave Hartke (EAC Appointee); Commissioner TBD; P. Hickman - Township Liaison; Nora Schmidt, Volunteer; Beth Termini, Volunteer; Andrea Jacobs; Susan Cook (EAC Appointee/prior Township Liaison); Lori Hanlon Widdop - Township Assistant Director & Former Liaison; EAC occasional guests/interest: S. Goodsell; J. Angell, B. Dooner; R. Kerr; B. Walters, P. Durlacher, Rob Graff. Steve Rogers.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P.S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. Reorganization: Election of Chair (or Co-Chairs).

3. EAC Website: Status update of change communicated to L. Gentile in Jan/Feb – some done, some still not implemented. Michael Schaefer to prepare markup for further updates/meet with G. Cugini.

4. Recycling: Potential for PW/Gentile meeting or presentation to BOC.

5. Storm Water & Rain Garden Subcommittee Updates: DL, PSP, HE, DH, DS, NS to report.

Business Sponsorship/Non-Profit Partnership. Review of launch of new program in partnership with Haverford in Bloom/HTCC for managing business sponsorship funds.

NFWF and Other Grants. Plans to re-submit 2 DCVA applications for Chatham Glen Park and Thompson Nature Park and submit a third for SEPTA Hathaway busway. Workshop for Twp employees to be scheduled with J. Anderson of EDCSWC.

100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.

Oakmont Rain Garden. \$500 Mini-Grant planting planning.

Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.

6. Assessing Progress in Climate Action Plan Implementation.

7. Haverford Township Day (Sat., Oct. 1, 2016). Tabled until May 2016.

8. Planning for Earth Day Event (tentatively Sat. April 23, 2016, also DCVA Cleanup day).

9. Contributions to Township and Recreation Newsletters.

10. YMCA Parking Lot. Obtain final design to review what GSI was incorporated.

11. Preparation of the 2014 EAC Annual Report: Update on drafting sections.

12. Review New EAC Meeting Schedule - 1st Tuesday of Month: All meetings 1st Tuesday of the Month, 7:30 at Quatrani Conf Room, EXCEPT: July 5 – location change to CREC; Sept 6 – location change to CREC; Oct 5 – change to Wednesday due to holiday.

13. Superfund Site: Discussion of any comments on 5 year update, pilot study status, NDPES Permit violations, etc.

14. Quadrangle Environmental Coordination: Update

15. New Business

Haverford Township Environmental Advisory Committee

Meeting Minutes – January 5, 2016, 7:30 pm

Attendees: EAC Members: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) – Michael Schaefer (3 - McCloskey) Aurora Dizel (4 - Siegel) – Colleen Dwyer Hansen (5 - Heilmann) – Michael D’Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) - Dave Hartke (EAC Appointee), Nora Schmidt, Volunteer - P. Hickman Township Liaison

1. Meeting Minutes

a. **Prior Meeting Minutes Approval** (Motion: H. Eichman, 2nd M. D’Antonio, Unanimous).

b. **Volunteer to Prepare Tonight’s Minutes** (P. S. Puglionesi)

2. **Reorganization:** Election of Chair (or Co-Chairs). Motion to reelect prior Co-Chairs Puglionesi and Eichman (Motion: M. D’Antonio, 2nd M. Schaefer, Unanimous)

3. **EAC Website:** M. Schaefer requested EAC Comments on the web site on the draft “markup” of changes in MS Word by next week. He will then send to L. Gentile and G. Cugini and meet with G. Cugini to ensure that she understands the changes to be made.

4. **Recycling:** No progress setting up meeting with L. Gentile and Public Works to discuss new ideas previously discussed not yet conducted (topics: alternative ways to ensure that new residents get a recycling bin, schedule, etc. including Public Works, EAC, Realtors). T. Watkins follow up with L. Gentile indicated that no stickers will be sent out with the recycling calendar despite prior Watkins and Commissioner Hall conversations with L. Gentile indicating that he would send out the recycling stickers in January to every resident per our suggestion. Reasons are currently unknown.

5. **Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:**

Intern: N. Schmidt will email her Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: No updates (previously discussed concern with design, including potential for net increase in stormwater discharge to sewer due to inlets along access road).

WC Pike Median Rain Gardens: EAC/Rain Garden team members will gather some design examples for the late January meeting with L. Gentile to discuss putting in rain gardens on West Chester Pike in the vicinity of West Gate Hills and Lawrence Road. Discussed possible methods and obstacles (need for curb cuts, etc.).

Business Sponsorship: No updates (previously, A. Dizel reached out to Mom’s Organic Foods and Giant, T. Watkins offered to post on the Cardinal Foley web site, M. Schaefer offered to contact Whole Foods to see if they would dedicate a 5% day to the program, and P.S. Puglionesi was to get a PSA aired on I-Radio Philly).

NFWF Grants: No new developments. The two prior DCVA applications for National Fish and Wildlife Federation (NFWF) grants for Chatham Glen Park and Thompson Nature Park to construct treatment wetlands and added storage capacity and a third potential application for the Hathaway Bioswales project (with SEPTA approval) can be submitted for “pre-approval” by Temple University staff advising NFWF and submitted in later rounds to NFWF.

100 Rain Gardens Initiative: The fall assessments of residences for potential installations next spring were compiled for selection at an upcoming Hav-a-Rain Garden team meeting.

Oakmont Rain Garden: No updates. D. Schwartz will plan for planting in the spring.

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk

Haverford Township Environmental Advisory Committee
Meeting Minutes – January 5, 2016, 7:30 pm

residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): No new developments. Still need someone to volunteer to lead this effort. Open action items: D. Schwartz to contact the APA, City of Lancaster and other stakeholders who might be able to provide a “model” SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: No updates. The revised MS4 General Permit is expected to be finalized in early 2016 with a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed out, for reducing their contribution to the cause of impairment by 5%-10% over the 5-yr term of the permit. This would avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load).

6. **Assessing Progress in Climate Action Plan Implementation.** No updates. A. Dizel will endeavor work with C. McCabe who led the effort to develop that plan and Beth Termini who previously led EPA Region 3 sustainability efforts as well as Township staff T. Denny who was responsible for the Township operation component and Lori Widdop who was responsible for the community education and implementation component of it.
7. **Haverford Township Day Green Zone (Sat., Oct. 3rd, 2015):** No updates. Planning will resume after Earth Day events in April.
8. **Planning for Earth Day Event (Sat. April 23, 2016).** HMS and HHS principals want a plan laid out for them before they commit to holding it on their campus. This is a concern, considering that they backed out of the recycling competition in the month prior to the event at the last minutes. She will make one follow up phone call to Mr. Horan (HMS) to see if we can work out a plan before just planning for events at the CREC as in past years.
9. **Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter and for Recreation Department’s HavaGood Times is February 2016.
10. **YMCA Proposed Parking Lot:** No updates. The YMCA plans were approved. Should review what/whether any GSI best practices were used and then remove from the agenda.
11. **Preparation of the 2014/2015 EAC Annual Report:** No progress. Per last meeting, will do a 2 year report/presentation “on-schedule” in January. Comments received on the April 8 draft (Rain Gardens – D. Schwartz, Recycling – H. Eichman, General – J. Rushforth) to be integrated by P.S. Puglionesi and redistributed.
12. **Rescheduling EAC Meetings:** New schedule is in effect - 1st Tuesday of the Month, 7:30 at Quatrani Conf Room, EXCEPT: July 5 – location change to CREC; Sept 6 – location change to CREC; Oct 5 – change to Wednesday due to holiday. Will be removed from agenda.
13. **Superfund Site:** No updates. The 5 year assessment report is at <http://loggerhead.epa.gov/5yr/search>.
14. **Quadrangle Coordination:** No progress. The Quadrangle Director, Denise Miller, is trying to reschedule a meeting with a Quadrangle environmental working group to better connect them to township environmental activities and get advice on what they can do as a group.
15. **New Business:** EAC will find out plans for LEED level and whether EAC can get involved in new Township Building and explore whether there can be Solar lighting for the new trail.

EAC AGENDA

Haverford Twp EAC – Tuesday, February 2, 2016 at 7:30 pm

EAC Members 2015-2016: Terry Watkins (1 - D'Emilio) - David Schwartz (2 - Oliva) – Michael Schaefer (3 - McClusky) - Aurora Dizel (4 - Siegel) – Colleen Dwyer Hansen (5 - Lewis) – Michael D'Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) – Derron LaBrake (EAC Appointee) - Dave Hartke (EAC Appointee); Commissioner TBD; P. Hickman - Township Liaison; Nora Schmidt, Volunteer; Beth Termini, Volunteer; Andrea Jacobs; Susan Cook (EAC Appointee/prior Township Liaison); Lori Hanlon Widdop - Township Assistant Director & Former Liaison; EAC occasional guests/interest: S. Goodsell; J. Angell, B. Dooner; R. Kerr; B. Walters, P. Durlacher, Rob Graff. Steve Rogers.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P.S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. EAC Website: Status update of change communicated to L. Gentile in Jan/Feb – some done, some still not implemented. Michael Schaefer to prepare markup for further updates/meet with G. Cugini.

3. Recycling: Potential for PW/Gentile meeting or presentation to BOC.

4. Storm Water & Rain Garden Subcommittee Updates: DL, PSP, HE, DH, DS, NS to report.

Business Sponsorship/Non-Profit Partnership. Review of launch of new program in partnership with Haverford in Bloom/HTCC for managing business sponsorship funds.
NFWF and Other Grants. Plans to re-submit 2 DCVA applications for Chatham Glen Park and Thompson Nature Park and submit a third for SEPTA Hathaway busway. Workshop for Twp employees to be scheduled with J. Anderson of EDCSWC.

100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.
Oakmont Rain Garden. \$500 Mini-Grant planting planning.

Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.

5. Assessing Progress in Climate Action Plan Implementation.

6. Haverford Township Day (Sat., Oct. 1, 2016). Tabled until May 2016.

7. Planning for Earth Day Event (tentatively Sat. April 23, 2016, also DCVA Cleanup day).

8. Contributions to Township and Recreation Newsletters.

9. YMCA Parking Lot. Obtain final design to review what GSI was incorporated.

10. Preparation of the 2014 EAC Annual Report: Update on drafting sections.

11. Review New EAC Meeting Schedule - 1st Tuesday of Month: All meetings 1st Tuesday of the Month, 7:30 at Quatrani Conf Room, EXCEPT: July 5 – location change to CREC; Sept 6 – location change to CREC; Oct 5 – change to Wednesday due to holiday.

12. Superfund Site: Discussion of any comments on 5 year update, pilot study status, NDPES Permit violations, etc.

13. Quadrangle Environmental Coordination: Update

14. Township Building and Trail: Potential for input on “green” design aspects and solar trail lighting.

15. New Business

Haverford Township Environmental Advisory Committee

Meeting Minutes – February 2, 2016, 7:30 pm

Attendees: EAC Members: David Schwartz (2 - Oliva) – Aurora Dizel (4 - Siegel) – Colleen Dwyer Hansen (5 - Heilmann) – Michael D’Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) - Dave Hartke (EAC Appointee) - P. Hickman (Township Liaison). Schedule: 1st Tue. of Mo. at Quattrani except 7/5 & 9/6 (CREC), 10/5 (Weds).

1. Meeting Minutes

a. **Prior Meeting Minutes Approval** (Motion: H. Eichman, 2nd M. D’Antonio, Unanimous).

b. **Volunteer to Prepare Tonight’s Minutes** (P. S. Puglionesi)

2. **EAC Website**: No progress. M. Schaefer to finalize EAC Comments on the web site on the draft “markup” of changes in MS Word. He will then send to L. Gentile and G. Cugini and meet with G. Cugini to ensure that she understands the changes to be made.

3. **Recycling**: L. Gentile agreed to hold a meeting with EAC and Public Works in April to discuss new ideas previously discussed not yet conducted (topics: alternative ways to ensure that new residents get a recycling bin, sending stickers out with the recycling calendar, etc.). He indicated that Bob Grove was tasked with putting letters in residents mailboxes who don’t recycle and there was push back from Commissioners who received complaints from constituents. A joint Haverford/Marple E-Waste collection is scheduled for May 21 in Marple.

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

Intern: No progress. N. Schmidt will emailed Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: No updates (previously discussed concern with design, including potential for net increase in stormwater discharge to sewer due to inlets along access road).

WC Pike Median Rain Gardens: EAC/Rain Garden team members Puglionesi, Anderson and Schwartz met with L. Gentile January 27th to present design examples and discuss putting in rain gardens on West Chester Pike in the vicinity of West Gate Hills and Lawrence Road. Mr. Gentile indicated that if we identify a suitable location and advise on the layout and depth and plants, the Township can do the installation, including any necessary curb cuts, etc.).

Grants/Sponsorships: Haverford Township Civic Council awarded a \$1500 grant. Open items: A. Dizel contacted Mom’s Organic Foods and Giant, T. Watkins offered to post on the Cardinal Foley web site, M. Schaefer offered to contact Whole Foods to see if they would dedicate a 5% day to the program, and P.S. Puglionesi was to get a I-Radio Philly PSA aired.

NFWF Grants: No new developments. The two prior DCVA applications for National Fish and Wildlife Federation (NFWF) grants for Chatham Glen Park and Thompson Nature Park to construct treatment wetlands and added storage capacity and a third potential application for the Hathaway Bioswales project (with SEPTA approval) can be submitted for “pre-approval” by Temple University staff advising NFWF and submitted in later rounds to NFWF.

100 Rain Gardens Initiative: 5 residences for garden installations in spring were selected.

Two potential park locations will be reviewed for a public garden.

Oakmont Rain Garden: No updates. D. Schwartz will plan for planting in the spring.

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): No new developments. Still need someone to

Haverford Township Environmental Advisory Committee
Meeting Minutes – February 2, 2016, 7:30 pm

volunteer to lead this effort. Open action items: D. Schwartz to contact the APA, City of Lancaster and other stakeholders who might be able to provide a “model” SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: No updates. Revised MS4 General Permit is due in early 2016 with a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load).

- 5. Assessing Progress in Climate Action Plan Implementation.** A. Dizel will endeavor work with C. McCabe who led the effort to develop that plan and Beth Termini who previously led EPA Region 3 sustainability efforts as well as Township staff T. Denny who was responsible for the Township operation component and Lori Widdop who was responsible for the community education and implementation component of it.

Municipal Services Building: See 13 below.

School/Municipal Solar Funding: Puglionesi discussed information on available funding for solar power for public agencies and will convey to P. Hopkins of HTSD.

- 6. Haverford Township Day Green Zone (Sat., Oct. 3rd, 2015)**: No updates. Planning will resume after Earth Day events in April.
- 7. Planning for Earth Day Event (Sat. April 23, 2016)**. At the time of the meeting, A. Dizel was still awaiting a response from HMS and HHS principals regarding holding it on their campus. She is following up with student groups and will continue planning for holding it at CREC.
- 8. Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter and for Recreation Department’s HavaGood Times is February/March 2016.
- 9. YMCA Proposed Parking Lot**: No updates. The YMCA plans were approved. Should review what/whether any GSI best practices were used and then remove from the agenda.
- 10. Preparation of the 2014/2015 EAC Annual Report**: No progress. Per last meeting, will do a 2 year report/presentation “on-schedule” in January. Comments received on the April 8 draft (Rain Gardens – D. Schwartz, Recycling – H. Eichman, General – J. Rushforth) to be integrated by P.S. Puglionesi and redistributed.
- 11. Superfund Site**: No updates. The 5 year assessment report is at <http://loggerhead.epa.gov/5yr/search>.
- 12. Quadrangle Coordination**: No progress. The Quadrangle Director, Denise Miller, is trying to reschedule a meeting with a Quadrangle environmental working group to better connect them to township environmental activities and get advice on what they can do as a group.
- 13. Township Building and Trail**: L. Widdop emailed info: LEED Gold design; filed for govt. RACP grant; looking for private grants; green roof over garage; some porous paving; rain gardens; looking for funding for solar parking lot canopies to power electric vehicle charging stations.
- 14. New Business**: None.

EAC AGENDA

Haverford Twp EAC – Tuesday, March 1, 2016 at 7:30 pm

EAC Members 2015-2016: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) – Michael Schaefer (3 - McClusky) - Aurora Dizel (4 - Siegel) – Colleen Dwyer Hansen (5 - Lewis) – Michael D'Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) – Derron LaBrake (EAC Appointee) - Dave Hartke (EAC Appointee); Commissioner TBD; P. Hickman - Township Liaison; Nora Schmidt, Volunteer; Beth Termini, Volunteer; Andrea Jacobs; Susan Cook (EAC Appointee/prior Township Liaison); Lori Hanlon Widdop - Township Assistant Director & Former Liaison; EAC occasional guests/interest: S. Goodsell; J. Angell, B. Dooner; R. Kerr; B. Walters, P. Durlacher, Rob Graff. Steve Rogers.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P.S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. **EAC Website:** Status update of change communicated to L. Gentile in Jan/Feb – some done, some still not implemented. Michael Schaefer to prepare markup for further updates/meet with G. Cugini.
3. **Recycling:** Potential for PW/Gentile meeting or presentation to BOC.
4. **Storm Water & Rain Garden Subcommittee Updates:** DL, PSP, HE, DH, DS, NS to report. Business Sponsorship/Non-Profit Partnership. Review of launch of new program in partnership with Haverford in Bloom/HTCC for managing business sponsorship funds. NFWF and Other Grants. Plans to re-submit 2 DCVA applications for Chatham Glen Park and Thompson Nature Park and submit a third for SEPTA Hathaway busway. Workshop for Twp employees to be scheduled with J. Anderson of EDCSWC. 100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans. Oakmont Rain Garden. \$500 Mini-Grant planting planning. Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.
5. **Assessing Progress in Climate Action Plan Implementation.**
6. **Haverford Township Day (Sat., Oct. 1, 2016).** Tabled until May 2016.
7. **Planning for Earth Day Event (tentatively Sat. April 23, 2016, also DCVA Cleanup day).**
8. **Contributions to Township and Recreation Newsletters.**
9. **YMCA Parking Lot.** Obtain final design to review what GSI was incorporated.
10. **Preparation of the 2014 EAC Annual Report:** Update on drafting sections.
11. **Superfund Site:** Discussion of any comments on 5 year update, pilot study status, NDPES Permit violations, etc.
12. **Quadrangle Environmental Coordination: Update**
13. **Township Building and Trail:** Support finding for private grants for LEED Gold building w/green roof over garage, funding for solar parking lot canopies.
14. **New Business**

Haverford Township Environmental Advisory Committee

Meeting Minutes – March 1, 2016, 7:30 pm

Attendees: EAC Members: David Schwartz (2 – Oliva, by phone) – Michael Schaefer (3 - McClusky) - Aurora Dizel (4 - Siegel) Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) P. Hickman (Township Liaison). Schedule: 1st Tue. of Mo. at Quattrani except 7/5 & 9/6 (CREC), 10/5 (Weds).

1. Meeting Minutes

- a. **Prior Meeting Minutes Approval** (Motion: H. Eichman, 2nd M. Schaefer, Unanimous).
- b. **Volunteer to Prepare Tonight's Minutes** (P. S. Puglionesi)

2. **EAC Website**: No progress. M. Schaefer to finalize EAC Comments on the web site on the draft "markup" of changes in MS Word. He will then send to L. Gentile and G. Cugini and meet with G. Cugini to ensure that she understands the changes to be made.

3. **Recycling**: Need to schedule meeting with Public Works in April per L. Gentile to discuss new ideas previously discussed not yet conducted (topics: alternative ways to ensure that new residents get a recycling bin, sending stickers out with the recycling calendar, etc.). Public Works clarified that all cans purchased on a grant for Senior Citizens have been given away. Aurora agreed to post on Havertown Facebook page that bins are available for new residents for free if they go to the Township Building and are otherwise available for purchase and that recycling stickers to place on garbage cans are available for free. A joint Haverford/Marple E-Waste collection is scheduled for May 21 in Marple.

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

Intern: No progress. N. Schmidt emailed Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: No updates (previously discussed concern with design, including potential for net increase in stormwater discharge to sewer due to inlets along access road).

Median Rain Gardens: EAC/Rain Garden team progress reviewed. Location marked and core samples taken. Inlet construction will be difficult and will involve working in the roadway. Alternate locations may be more suitable. Mr. Gentile indicated that if we identify a suitable alternative location and advise on the layout and depth and plants, the Township can do the installation, including any necessary curb cuts, etc.).

Grants/Sponsorships: Open items: A. Dizel contacted Mom's Organic Foods and Giant, P. Hickman submitted letters for Lowes. T. Watkins offered to post on the Cardinal Foley web site, M. Schaefer offered to contact Whole Foods to see if they would dedicate a 5% day to the program, and P.S. Puglionesi was to get a I-Radio Philly PSA aired.

NFWF Grants: A new DCVA application for National Fish and Wildlife Federation (NFWF) will be submitted for rain gardens in the Naylor's Run target sub-watershed. A potential application for the Hathaway Bioswales project (with SEPTA approval) will have to wait because it is not in the 2013 plan's "target areas". It can be submitted in later rounds.

100 Rain Gardens Initiative: 5 residences for garden installations in spring previously selected and perc tests needed. Merwood Park was selected for a public garden based on Merwood Civic Association request and Recreation Dept. approval.

Oakmont Rain Garden: No updates. D. Schwartz will plan for planting in the spring.

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): No new developments. Still need someone to

Haverford Township Environmental Advisory Committee

Meeting Minutes – March 1, 2016, 7:30 pm

volunteer to lead this effort. Open action items: D. Schwartz to contact the APA, City of Lancaster and other stakeholders who might be able to provide a “model” SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: No updates. Revised MS4 General Permit is due in early 2016 with a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load).

- 5. Assessing Progress in Climate Action Plan Implementation.** No updates. Dizel to work with C. McCabe who led the effort to develop that plan and Beth Termini who previously led EPA Region 3 sustainability efforts as well as Township staff (T. Denny responsible for the Township operation and Lori Widdop as responsible for the community education and implementation).

Municipal Services Building: See 13 below.

School/Municipal Solar Funding: No updated. Puglionesi to convey information on available funding for solar power for public agencies to P. Hopkins of HTSD.

- 6. Haverford Township Day Green Zone (Sat., Oct. 3rd, 2015):** No updates. Planning will resume after Earth Day events in April.
- 7. Planning for Earth Day Event (Sat. April 23, 2016).** A. Dizel updated that it will not be on HMS and HHS campus but will be held at CREC. Some school groups are participating as will scouts. She will continue planning and develop a full slate of activities.
- 8. Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter and for Recreation Department’s HavaGood Times is February/March 2016.
- 9. YMCA Proposed Parking Lot:** No updates. The YMCA plans were approved. Should review what/whether any GSI best practices were used and then remove from the agenda.
- 10. Preparation of the 2014/2015 EAC Annual Report:** No progress. Will do a 2 year report/presentation “on-schedule” in January. Comments received on the April 8 draft (Rain Gardens – D. Schwartz, Recycling – H. Eichman, General – J. Rushforth) to be integrated by P.S. Puglionesi and redistributed.
- 11. Superfund Site:** DMRs indicate the pilot system is thus far successful in preventing excursions for carbon tetrachloride which occurred last year. The 5 year assessment report is at <http://loggerhead.epa.gov/5yr/search>.
- 12. Quadrangle Coordination:** Bea Blackman asked EAC to attend the next Quadrangle Environmental Committee meeting to better connect them to township environmental activities and give advice on what they can do as a group.
- 13. Township Building and Trail:** No updates, see prior minutes.
- 14. New Business:** None.

Haverford Township Environmental Advisory Committee

Meeting Minutes – April 5, 2016, 7:30 pm

Attendees: EAC Members: Terry Watkins - (1 - D'Emilio) - Michael Schaefer (3 - McClusky) - Aurora Dizel (4 - Siegel) - Michael D'Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) P. Hickman (Township Liaison) - Dave Hartke (EAC Appointee). Schedule: 1st Tue. of Mo. at Quattrani except 7/5 & 9/6 (CREC), 10/5 (Weds).

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4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

Intern: No progress. N. Schmidt emailed Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: Construction underway (previously discussed concern with design, including potential for net increase in stormwater discharge to sewer due to inlets along access road).

Median Rain Gardens: EAC/Rain Garden team recommended against the West Chester Pike location due to the need for difficult inlet construction involving working in the roadway. An alternate location at Hathaway may be more suitable. Mr. Gentile indicated that if we identify a suitable alternative location and advise on the layout and depth and plants, the Township can do the installation, including any necessary curb cuts, etc.).

Grants/Sponsorships: Open items: A. Dizel contacted Mom's Organic Foods and Giant, P. Hickman submitted letters for Lowes. T. Watkins offered to post on the Cardinal Foley web site, M. Schaefer offered to contact Whole Foods to see if they would dedicate a 5% day to the program, and P.S. Puglionesi was to get a I-Radio Philly PSA aired.

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100 Rain Gardens Initiative: 5 residences for garden installations in spring previously selected and perc tests needed. Merwood Park was selected for a public garden based on Merwood Civic Association request and Recreation Dept. approval.

Oakmont Rain Garden: No updates. D. Schwartz will plan for planting in the spring.

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): No new developments. Still need someone to volunteer to lead this effort. Open action items: D. Schwartz to contact the APA, City of Lancaster and other stakeholders who might be able to provide a "model" SALDO and/or

Haverford Township Environmental Advisory Committee

Meeting Minutes – April 5, 2016, 7:30 pm

specification.

DEP MS4 Permit for TMDL Watersheds: No updates. Revised MS4 General Permit is due in early 2016 with a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load).

- 5. Assessing Progress in Climate Action Plan Implementation.** No updates. Dizel to work with C. McCabe who led the effort to develop that plan and Beth Termini who previously led EPA Region 3 sustainability efforts as well as Township staff (T. Denny responsible for the Township operation and Lori Widdop as responsible for the community education and implementation).
Municipal Services Building: See 13 below.

School/Municipal Solar Funding: No updates. Puglionesi to convey information on available funding for solar power for public agencies to P. Hopkins of HTSD.

- 6. Haverford Township Day Green Zone (Sat., Oct. 3rd, 2015):** No updates. Planning will resume after Earth Day events in April.
- 7. Planning for Earth Day Event (Sat. April 23, 2016).** A. Dizel discussed final planning and we discussed EAC member involvement. HHS AWARE group is participating as will scouts.
- 8. Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is next week. P. S. Puglionesi indicated he will submit items on Mosquito control, Rain Gardens, and E-Waste Recycling (if not elsewhere by Larry). Deadline for the Recreation Department's HavaGood Times is May/June 2016.
- 9. YMCA Proposed Parking Lot:** No updates. The YMCA lot is complete. Should review what/whether any GSI best practices were used and then remove from the agenda.
- 10. Preparation of the 2014/2015 EAC Annual Report:** No progress. Will do a 2 year report/presentation "on-schedule" in January. Comments received on the April 8 draft (Rain Gardens – D. Schwartz, Recycling – H. Eichman, General – J. Rushforth) to be integrated by P.S. Puglionesi and redistributed.
- 11. Superfund Site:** DMRs indicate the pilot system is thus far successful in preventing excursions for carbon tetrachloride which occurred last year. The 5 year assessment report is at <http://loggerhead.epa.gov/5yr/search>.
- 12. Quadrangle Coordination:** asked P. S. Puglionesi and A. Dizel of EAC attended a Quadrangle Environmental Committee meeting on 3/15/16 at Chair Bea Blackman's request to advise them on how they can better connect to township environmental activities and give advice on what they can do as a group. They are interested in an assessment for rain gardens, particularly for some areas subject to erosion during heavy rains. We advised them to retrieve stormwater design information to facilitate identifying potential rain garden locations. We also advised them on improving trail connections to the Haverford Reserve.
- 13. Township Building and Trail:** No updates, see prior minutes.
- 14. New Business:** Dave Hartke suggested having a Green Homes Tour in 2017 and will take the lead on planning.

Haverford Township Environmental Advisory Committee

Meeting Minutes – April 5, 2016, 7:30 pm

Attendees: EAC Members: Terry Watkins - (1 - D'Emilio) - Michael Schaefer (3 - McClusky) - Aurora Dizel (4 - Siegel) - Michael D'Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) P. Hickman (Township Liaison) - Dave Hartke (EAC Appointee). Schedule: 1st Tue. of Mo. at Quattrani except 7/5 & 9/6 (CREC), 10/5 (Weds).

1. Meeting Minutes

a. **Prior Meeting Minutes Approval** (Motion: H. Eichman, 2nd T. Watkins, Unanimous).

b. **Volunteer to Prepare Tonight's Minutes** (P. S. Puglionesi)

2. **EAC Website:** No progress. M. Schaefer to finalize EAC Comments on the web site on the draft "markup" of changes in MS Word. He will then send to L. Gentile and G. Cugini and meet with G. Cugini to ensure that she understands the changes to be made.

3. **Recycling:** Need to schedule meeting with Public Works in April per L. Gentile to discuss new ideas previously discussed not yet conducted (topics: alternative ways to ensure that new residents get a recycling bin, sending stickers out with the recycling calendar, etc.). A joint Haverford/Marple E-Waste collection is scheduled for May 21 in Marple.

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

Intern: No progress. N. Schmidt emailed Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: Construction underway (previously discussed concern with design, including potential for net increase in stormwater discharge to sewer due to inlets along access road).

Median Rain Gardens: EAC/Rain Garden team recommended against the West Chester Pike location due to the need for difficult inlet construction involving working in the roadway. An alternate location at Hathaway may be more suitable. Mr. Gentile indicated that if we identify a suitable alternative location and advise on the layout and depth and plants, the Township can do the installation, including any necessary curb cuts, etc.).

Grants/Sponsorships: Open items: A. Dizel contacted Mom's Organic Foods and Giant, P. Hickman submitted letters for Lowes. T. Watkins offered to post on the Cardinal Foley web site, M. Schaefer offered to contact Whole Foods to see if they would dedicate a 5% day to the program, and P.S. Puglionesi was to get a I-Radio Philly PSA aired.

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Oakmont Rain Garden: No updates. D. Schwartz will plan for planting in the spring.

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): No new developments. Still need someone to volunteer to lead this effort. Open action items: D. Schwartz to contact the APA, City of Lancaster and other stakeholders who might be able to provide a "model" SALDO and/or

Haverford Township Environmental Advisory Committee

Meeting Minutes – April 5, 2016, 7:30 pm

specification.

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- 5. Assessing Progress in Climate Action Plan Implementation.** No updates. Dizel to work with C. McCabe who led the effort to develop that plan and Beth Termini who previously led EPA Region 3 sustainability efforts as well as Township staff (T. Denny responsible for the Township operation and Lori Widdop as responsible for the community education and implementation).

Municipal Services Building: See 13 below.

School/Municipal Solar Funding: No updates. Puglionesi to convey information on available funding for solar power for public agencies to P. Hopkins of HTSD.

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- 13. Township Building and Trail:** No updates, see prior minutes.
- 14. New Business:** Dave Hartke suggested having a Green Homes Tour in 2017 and will take the lead on planning.

EAC AGENDA

Haverford Twp EAC – Tuesday, May 3, 2016 at 7:30 pm

EAC Members 2015-2016: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) – Michael Schaefer (3 - McClusky) - Aurora Dizel (4 - Siegel) – Colleen Dwyer Hansen (5 - Lewis) – Michael D'Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) – Derron LaBrake (EAC Appointee) - Dave Hartke (EAC Appointee); Commissioner TBD; P. Hickman - Township Liaison; Nora Schmidt, Volunteer; Beth Termini, Volunteer; Andrea Jacobs; Susan Cook (EAC Appointee/prior Township Liaison); Lori Hanlon Widdop - Township Assistant Director & Former Liaison; EAC occasional guests/interest: S. Goodsell; J. Angell, B. Dooner; R. Kerr; B. Walters, P. Durlacher, Rob Graff. Steve Rogers.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P.S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. EAC Website: Status update of change communicated to L. Gentile in Jan/Feb – some done, some still not implemented. Michael Schaefer to prepare markup for further updates/meet with G. Cugini.

3. Recycling: Potential for PW/Gentile meeting or presentation to BOC.

4. Storm Water & Rain Garden Subcommittee Updates: DL, PSP, HE, DH, DS, NS to report.

Business Sponsorship/Non-Profit Partnership. Status of program in partnership with HTCC for managing business sponsorship funds.

NFWF and Other Grants. Submitted DCVA application for Darby Median Rain Gardens (two priors for Chatham Glen Park and Thompson Nature Park and a third for SEPTA Hathaway busway held). Workshop for Twp employees to be scheduled with J. Anderson of EDCSWC.

100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.

Oakmont Rain Garden. \$500 Mini-Grant planting planning.

Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.

5. Assessing Progress in Climate Action Plan Implementation.

6. Haverford Township Day (Sat., Oct. 1, 2016). Tabled until May 2016.

7. Earth Day Event Recap (Sat. April 23, 2016).

8. Contributions to Township and Recreation Newsletters. Next due early July.

9. YMCA Parking Lot. Obtain final design to review what GSI was incorporated.

10. Preparation of the 2014 EAC Annual Report: Update on drafting sections.

11. Superfund Site: Discussion of any comments on 5 year update, pilot study status, NDPES Permit violations, etc.

12. Quadrangle Environmental Coordination: Update

13. Township Building and Trail: Update

14. New Business

EAC AGENDA

Haverford Twp EAC – Tuesday, May 3, 2016 at 7:30 pm

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1. Meeting Minutes

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10. Preparation of the 2014 EAC Annual Report: Update on drafting sections.

11. Superfund Site: Discussion of any comments on 5 year update, pilot study status, NDPES Permit violations, etc.

12. Quadrangle Environmental Coordination: Update

13. Township Building and Trail: Update

14. New Business

Haverford Township Environmental Advisory Committee

Meeting Minutes – June 7, 2016, 7:30 pm

more time. Home Depot was approached and provided “broken bag” mulch and stone which met the need for most spring gardens (mulch was purchased for the first garden), although this proved effort intensive and messy.

NFWF Grants: No update on the DCVA application for National Fish and Wildlife Federation (NFWF) submitted for rain gardens in the Naylor’s Run target sub-watershed. A potential application for the Hathaway Bioswales project (with SEPTA approval) was not in the 2013 plan’s “target areas” but can be submitted in later rounds.

100 Rain Gardens Initiative: The 5 spring “residential” garden installations were in progress. The Merwood Park public garden grading by Public Works is planned for mid-June and it will be planted July 2 by Merwood Civic Association.

Oakmont Rain Garden: D. Schwartz has a plant list and will get T. Denny to provide payment means. He is hoping for planting in the spring.

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): D. Schwartz suggested just using the Philadelphia program guidance and provided links to it. It is not clear whether this is an appropriate “model” SALDO and/or specification for a Township like Haverford.

DEP MS4 Permit for TMDL Watersheds: No updates. Revised MS4 General Permit is due in early 2016 with a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load).

5. **Assessing Progress in Climate Action Plan Implementation.** No updates. Dizel to work with C. McCabe who led the effort to develop that plan and Beth Termini who previously led EPA Region 3 sustainability efforts as well as Township staff (T. Denny responsible for the Township operation and Lori Widdop as responsible for the community education and implementation).
Municipal Services Building: See 13 below.
School/Municipal Solar Funding: J. Martin indicated that SDHT implemented air to air heat exchanges that may have been unique to schools as a means of conserving energy while meeting air exchange requirements for schools. They also installed LED lighting. SDHT believes that there is not much cost-benefit on solar due to the absence of tax or other incentives for solar power for public agencies.
6. **Haverford Township Day Green Zone (Sat., Oct. 3rd, 2015):** Planning will begin in earnest at the next meeting. Preliminary ideas were include emulating the LL Bean “boot toss” at Flower Show.
7. **Planning for Earth Day Event (Sat. April 23, 2016).** Resume activity in December.
8. **Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is ~ July 15 (10/15, 1/15 and 4/15) and for Recreation Department’s HavaGood Times is ~June 15 (9/15, 12/15 and 3/15).
9. **YMCA Proposed Parking Lot:** No updates. P. Puglionesi requested final design information from the engineer for the YMCA lot but didn’t get a response. Should review what/whether any GSI best practices were used and then remove from the agenda.
10. **Preparation of the 2014/2015 EAC Annual Report:** No progress. Will do a 2 year report/ presentation in January. Comments received on April 8 draft (Rain Gardens – D. Schwartz, Recycling – H. Eichman, General – J. Rushforth) to be integrated by P.S. Puglionesi and redistributed.
11. **Superfund Site:** DMRs continue to indicate the pilot system is thus far successful in preventing excursions for carbon tetrachloride which occurred last year.

Haverford Township Environmental Advisory Committee

Meeting Minutes – June 7, 2016, 7:30 pm

- 12. Quadrangle Coordination:** No updates. Based on prior meeting, they are interested in an assessment for rain gardens, particularly for some areas subject to erosion during heavy rains. We advised them to retrieve stormwater design information to facilitate identifying potential rain garden locations.
- 13. Township Building and Trail:** No updates, see prior minutes.
- 14. New Business:** No update on 2017 Green Homes Tour in 2017 suggested by Dave Hartke who will take the lead on planning. P.S. Puglionesi emailed Cindy Mehallow of Newtown EAC to see if she will coordinate a possible EAC Summit with help from A. Dizel.

EAC AGENDA

Haverford Twp EAC – Tuesday, July 5, 2016 at 7:30 pm, CREC

EAC Members 2015-2016: Terry Watkins (1 - D'Emilio) - David Schwartz (2 - Oliva) – Michael Schaefer (3 - McClusky) - Aurora Dizel (4 - Siegel) – Colleen Dwyer Hansen (5 - Lewis) – Michael D'Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) – Derron LaBrake (EAC Appointee) - Dave Hartke (EAC Appointee); Commissioner Larry Holmes; P. Hickman - Township Liaison; Nora Schmidt, Volunteer; Beth Termini, Volunteer; Andrea Jacobs; Susan Cook (EAC Appointee/prior Township Liaison); Lori Hanlon Widdop - Township Assistant Director & Former Liaison; EAC occasional guests/interest: S. Goodsell; J. Angell, B. Dooner; R. Kerr; B. Walters, P. Durlacher, Rob Graff. Steve Rogers.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P.S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. **EAC Website:** Status update of change implemented by Allie Rothman (HT IT). Michael Schaefer to prepare and send updated “Who we are” slides.
3. **Recycling:** Comm. Holmes to discuss ways to supply new residents with recycling bins.
4. **Storm Water & Rain Garden Subcommittee Updates:** DL, PSP, HE, DH, DS, NS to report.
Business Sponsorship/Non-Profit Partnership. Status of fundraising efforts.
NFWF and Other Grants. DCVA application for Darby Median Rain Gardens - status pending. Participation in new PRC / EDCSWC grant (could supply plants/materials beginning in fall).
100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.
Oakmont Rain Garden. \$500 Mini-Grant planting planning.
Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.
5. **Assessing Progress in Climate Action Plan Implementation.** Rob Graff to present on Delaware Valley Regional Planning Commission five year inventory of energy use and greenhouse gas emissions for the region broken down to the municipality level (Rob is Manager, Office of Energy and Climate Change Initiatives).
6. **Haverford Township Day (Sat., Oct. 1, 2016).**
7. **Earth Day Event (Sat. April TBD, 2017).** Tabled until December 2016.
8. **Contributions to Township and Recreation Newsletters.** Next due early July. Volunteer needed.
9. **YMCA Parking Lot.** Obtain final design to review what GSI was incorporated.
10. **Preparation of the 2014/2015 EAC Annual Report:** Update on drafting sections.
11. **Superfund Site:** Pilot study status, NDPES Discharge Monitoring Reports, etc.
12. **Quadrangle Environmental Coordination:** Update
13. **Township Building and Trail:** Update
14. **New Business**

Haverford Township Environmental Advisory Committee

Meeting Minutes – July 5, 2016, 7:30 pm

Attendees: EAC Members: David Schwartz (2 - Oliva) - Aurora Dizel (4 - Siegel) – Michael D’Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) - Dave Hartke (EAC Appointee); Commissioner Larry Holmes; P. Hickman - Township Liaison; Rob Graff – Delaware Valley Regional Planning Commission; Schedule: 1st Tue. of Mo. at Quattrani except 7/5 & 9/6 (CREC), 10/5 (Weds).

1. Meeting Minutes

- a. **Prior Meeting Minutes Approval** (Motion: H. Eichman, 2nd M. D’Antonio, Unanimous).
- b. **Volunteer to Prepare Tonight’s Minutes** (P. S. Puglionesi)

2. EAC Website:

Allie Rothman (Township IT) updated the web site, except M. Schaefer still has to finalize EAC “Who We Are” material.

3. Recycling:

Commissioner Holmes reviewed his understanding of the status of the recycling program and indicated that he does distribute recycling containers to new residents. He believes we only pay about \$800,000 per year in tipping fees for all ~17,500 residences. EAC recounted feedback we get at public events where many new residents have not received them. We discussed potential recommendations to improve this, including ensuring that a can is provided for every move, and mailing a sticker every year with the recycling calendar. Commissioner Holmes requested that EAC make a presentation of its recommendations to the Board of Commissioners September meeting. We discussed that there are fewer Electronics Waste recycling opportunities now and only one this year with residents having to drive out to Marple. EAC will explore whether the E-Waste non-profit or their contractor would do a Township-wide pickup day and what the cost would be. Alternatively, there could be a 2-3 day local drop off event and then the contractor could pick it up. There was a suggestion of providing a downloadable recycling sticker image. We discussed seeking a grant for doing a study of trash/recycling rates and compliance. Commissioner Holmes also requested that EAC study alternatives to vacuuming leaves (e.g., paper bagging) due to the high cost in time and equipment rental.

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

HTSD: No updates.

Intern: No progress. N. Schmidt emailed Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: No updates. EAC should verify that the inlet is 6 inches above the bottom of the basin and determine after plants mature whether the inlet can be further raised to increase detention capacity without affecting drain down within 2 days.

Median Rain Gardens: No updates. EAC/Rain Garden team members scouted an alternate location at Hathaway near the Eagle Road end which may be easily implemented than West Chester Pike. Mr. Gentile previously indicated that if we identify a suitable location, layout depth and plants, the Township can install it (including any necessary curb cuts). A preliminary plan needs to be developed.

Grants/Sponsorships: Open items: M. Schaefer to contact Whole Foods about dedicating a 5% day to the program, and P.S. Puglionesi to get a I-Radio Philly PSA aired. Lowe’s recommended applying for a larger grant (up to \$25,000) but this would require partnering for education and would require more time. Home Depot provided “broken bag” mulch and stone which met most spring gardens needs (mulch was purchased for the first garden), although this proved effort intensive and messy.

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100 Rain Gardens Initiative: The 5 spring “residential” garden installations were completed. The Merwood Park public garden grading by Public Works done in mid-June and it was planted July 2 by Merwood Civic Association.

Oakmont Rain Garden: D. Schwartz provided the plant list to Peter Hickman who completed the order for Haverford Township (initial) payment. Money will be recovered by the grant.

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential

Haverford Township Environmental Advisory Committee

Meeting Minutes – July 5, 2016, 7:30 pm

driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): No updates. D. Schwartz previously suggested just using the Philadelphia program guidance and provided links to it. It is not clear whether this is an appropriate “model” SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: No updates. Revised MS4 General Permit is due in early 2016 with a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load).

5. **Assessing Progress in Climate Action Plan Implementation.** Rob Graff, Manager of the Office of Energy and Climate Change Initiatives, presented on Delaware Valley Regional Planning Commission’s five year inventory of energy use and greenhouse gas emissions for the region broken down to the municipality level. The five year update will become available over the next few months and may provide the update we were seeking.
6. **Haverford Township Day Green Zone (Sat., Oct. 1st, 2016):** Planning will begin in earnest at the next meeting. Preliminary ideas were include emulating the LL Bean “boot toss” at Flower Show.
7. **Planning for Earth Day Event (Sat. April 23, 2016).** Resume activity in December.
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13. **Township Building and Trail:** No updates, will remove from the agenda.
14. **New Business:** No update on 2017 Green Homes Tour in 2017 suggested by Dave Hartke who will take the lead on planning. P.S. Puglionesi emailed Cindy Mehallow of Newtown EAC to see if she will coordinate a possible EAC Summit with help from A. Dizel.

EAC AGENDA

Haverford Twp EAC – Tuesday, August 2, 2016 at 7:30 pm, Quattrani Bldg.

EAC Members 2015-2016: Terry Watkins (1 - D'Emilio) - David Schwartz (2 - Oliva) – Michael Schaefer (3 - McClusky) - Aurora Dizel (4 - Siegel) – Colleen Dwyer Hansen (5 - Lewis) – Michael D'Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) – Derron LaBrake (EAC Appointee) - Dave Hartke (EAC Appointee); Commissioner Larry Holmes; P. Hickman - Township Liaison; Nora Schmidt, Volunteer; Beth Termini, Volunteer; Andrea Jacobs; Susan Cook (EAC Appointee/prior Township Liaison); Lori Hanlon Widdop - Township Assistant Director & Former Liaison; EAC occasional guests/interest: S. Goodsell; J. Angell, B. Dooner; R. Kerr; B. Walters, P. Durlacher, Rob Graff. Steve Rogers.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P.S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. EAC Website: Change implemented by Allie Rothman (HT IT). Michael Schaefer to prepare and send updated "Who we are" slides.

3. Recycling: Preparing for September BoC presentation requested by Commissioner Holmes on improvements to recycling and solutions to ensure all new residents get recycling bins.

4. Storm Water & Rain Garden Subcommittee Updates: DL, PSP, HE, DH, DS, NS to report.

Business Sponsorship/Non-Profit Partnership. Status of fundraising efforts.

NFWF and Other Grants. DCVA application for Darby Median Rain Gardens - awarded.

Participation in new PRC / EDCSWC grant (could supply plants/materials beginning in fall).

100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.

Oakmont Rain Garden. Planting completed.

Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.

5. Assessing Progress in Climate Action Plan Implementation. Tabled until DVRPC 5-year inventory of energy use and greenhouse gas emissions is complete.

6. Haverford Township Day (Sat., Oct. 1, 2016). Need to initiate planning, need volunteers.

7. Earth Day Event (Sat. April TBD, 2017). Tabled until December 2016.

8. Contributions to Township and Recreation Newsletters. Next due early October.

9. YMCA Parking Lot. Obtain final design to review what GSI was incorporated.

10. Preparation of the 2014/2015 EAC Annual Report: Update on drafting sections.

11. Superfund Site: Pilot study status, NDPES Discharge Monitoring Reports, etc.

12. Quadrangle Environmental Coordination: Update

13. New Business

Haverford Township Environmental Advisory Committee

Meeting Minutes – August 2, 2016, 7:30 pm

Attendees: EAC Members: Terry Watkins (1 - D'Emilio) - David Schwartz (2 - Oliva) – Michael Schaefer (3 - McClusky) - Aurora Dziel (4 - Siegel) – Colleen Dwyer Hansen (5 - Lewis) – Henry Eichman (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Dave Hartke (EAC Appointee); P. Hickman - Township Liaison; James Knox – Guest
Schedule: 1st Tue. of Mo. at Quattrani except 7/5 & 9/6 (CREC), 10/5 (Weds).

1. Meeting Minutes

- a. **Prior Meeting Minutes Approval** (Motion: P. Hickman, 2nd T. Watkins, Unanimous).
- b. **Volunteer to Prepare Tonight's Minutes** (P. S. Puglionesi)

2. EAC Website: M. Schaefer drafted EAC "Who We Are" material. EAC will edit to remove volunteers and put it in a better format for posting on the web.

3. Recycling: H. Eichman shared a preliminary draft presentation for the September Board of Commissioners meeting requested by Commissioner Holmes. It included 2015 budget data on about \$552,000 per year in tipping fees all ~17,500 residences and L. Gentile's communications on potential increased recycling amounts. Not yet included in the presentation are the current program shortcomings, including new residents reporting to us that they did not receive recycling containers or instructions upon move in and an ineffective enforcement program. EAC previously indicated it would recount feedback we get at public events and recommend easy to implement/short-term fixes (e.g., means to ensure that stickers and information on how to obtain a can is provided for every move in, mailing a sticker every year with the recycling calendar, a printable label for garbage cans). We would also recommend improved Electronics Waste recycling opportunities (now only one this year with residents having to drive out to an overcrowded Marple event). EAC will explore whether the E-Waste non-profit or their contractor would do a Township-wide pickup day and what the cost would be. Alternatively, there could be a 2-3 day local drop off event and then the contractor could pick it up. We previously discussed seeking a grant for doing a study of trash/recycling rates and compliance. Commissioner Holmes also requested that EAC study alternatives to vacuuming leaves (e.g., paper bagging) due to the high cost in time and equipment rental, although this will take additional time.

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

HTSD: No updates.

Intern: No progress. N. Schmidt emailed Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: EAC verified that the inlet is 6 inches above the bottom of the basin. After plants mature, determine whether the inlet can be further raised to increase detention capacity without affecting drain down within 2 days.

100 Rain Gardens Initiative: Assessments for the 5 fall "residential" garden installations are underway.

NFWF Grants: DCVA was awarded a National Fish and Wildlife Federation (NFWF) grant for rain gardens in the Naylor's Run target sub-watershed, including a median gardens at Darby Road between the Middle School and Township building and 10 other gardens. A potential application for the Hathaway Bioswales project (with SEPTA approval) will be submitted in later rounds after the "Cluster Plan is updated.

Grants/Sponsorships: Open items: M. Schaefer to contact Whole Foods about dedicating a 5% day to the program, and P.S. Puglionesi to get a I-Radio Philly PSA aired. Lowe's recommended applying for a larger grant (up to \$25,000) but this would require partnering for education and would require more time. Home Depot provided "broken bag" mulch and stone which met most spring gardens needs (mulch was purchased for the first garden), although this proved effort intensive and messy.

Median Rain Gardens: No update. The alternate location at Hathaway near the Eagle Road end - more easily implemented than West Chester Pike – will be discussed at a suitable time. Mr. Gentile previously indicated that if we identify a suitable location, layout depth and plants, the Township can install it (including any necessary curb cuts). A preliminary plan needs to be developed.

Oakmont Rain Garden: The garden was planted and a sign placed.

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce

Haverford Township Environmental Advisory Committee

Meeting Minutes – August 2, 2016, 7:30 pm

flooding): No updates. D. Schwartz previously suggested just using the Philadelphia program guidance and provided links to it. It is not clear whether this is an appropriate “model” SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: No updates. Revised MS4 General Permit is due in early 2016 with a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load).

5. **Assessing Progress in Climate Action Plan Implementation.** No updates. Awaiting the five year update of the Delaware Valley Regional Planning Commission’s inventory of energy use and greenhouse gas emissions for the region broken down to the municipality level.
6. **Haverford Township Day Green Zone (Sat., Oct. 1st, 2016):** A. Dizel discussed progress in coordinating the Green Zone. D. Hartke and P. S. Puglionesi will assist in garnering participants. Michael Schaefer will ask Whole Foods. The Skatium parking lot will reportedly be done, barring unforeseen circumstances. Will clarify in written material that green vendors cannot sell anything in the Green Zone. EAC will Email suggestions to A. Dizel for Green Vendors.
7. **Planning for Earth Day Event (Sat. April 23, 2016).** Resume activity in December.
8. **Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is ~ October 15 (1/15, 4/15, 7/15, 10/15) and for Recreation Department’s HavaGood Times is ~December 15 (3/15, 6/15, 9/15, 12/15).
9. **YMCA Proposed Parking Lot:** No updates. P. Puglionesi requested final design information from the engineer for the YMCA lot but didn’t get a response. Should review what/whether any GSI best practices were used and then remove from the agenda.
10. **Preparation of the 2014/2015 EAC Annual Report:** No progress. Will do a 2 year report/ presentation in January. Comments received on April 8 draft (Rain Gardens – D. Schwartz, Recycling – H. Eichman, General – J. Rushforth) to be integrated by P.S. Puglionesi and redistributed.
11. **Superfund Site:** No updates.
12. **Quadrangle Coordination:** No updates. Based on prior meeting, they are interested in an assessment for rain gardens, particularly for some areas subject to erosion during heavy rains. We advised them to retrieve stormwater design information to facilitate identifying potential rain garden locations.
13. **New Business:** No update on 2017 Green Homes Tour in 2017 suggested by Dave Hartke who will take the lead on planning. P.S. Puglionesi emailed Cindy Mehallow of Newtown EAC to see if she will coordinate a possible EAC Summit with help from A. Dizel.

EAC AGENDA

Haverford Twp EAC – Tuesday, September 6, 2016 at 7:30 pm, CREC

EAC Members 2015-2016: Terry Watkins (1 - D'Emilio) - David Schwartz (2 - Oliva) – Michael Schaefer (3 - McClusky) - Aurora Dizel (4 - Siegel) – Colleen Dwyer Hansen (5 - Lewis) – Michael D'Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) – Derron LaBrake (EAC Appointee) - Dave Hartke (EAC Appointee); Commissioner Larry Holmes; P. Hickman - Township Liaison; Nora Schmidt, Volunteer; Beth Termini, Volunteer; Andrea Jacobs; Susan Cook (EAC Appointee/prior Township Liaison); Lori Hanlon Widdop - Township Assistant Director & Former Liaison; EAC occasional guests/interest: S. Goodsell; J. Angell, B. Dooner; R. Kerr; B. Walters, P. Durlacher, Rob Graff. Steve Rogers.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P.S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. **EAC Website:** Change implemented by Allie Rothman (HT IT). Michael Schaefer to prepare and send updated "Who we are" slides.
3. **Recycling:** BoC review, to be postponed to next week or next month's BOC Workshop. Presentation requested by Commissioner Holmes on improvements to recycling and solutions to ensure all new residents get recycling bins.
4. **Storm Water & Rain Garden Subcommittee Updates:** DL, PSP, HE, DH, DS, NS to report.
Business Sponsorship/Non-Profit Partnership. Status of fundraising efforts.
NFWF and Other Grants. DCVA application for Darby Median Rain Gardens - awarded. Participation in new PRC / EDCSWC grant (could supply plants/materials beginning in fall).
100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.
Oakmont Rain Garden. Planting completed.
Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.
5. **Assessing Progress in Climate Action Plan Implementation.** Tabled until DVRPC 5-year inventory of energy use and greenhouse gas emissions is complete.
6. **Haverford Township Day (Sat., Oct. 1, 2016).** Need to continue planning, need volunteers.
7. **Earth Day Event (Sat. April TBD, 2017).** Tabled until December 2016.
8. **Contributions to Township and Recreation Newsletters.** Next due early October.
9. **YMCA Parking Lot.** Obtain final design to review what GSI was incorporated.
10. **Preparation of the 2014/2015 EAC Annual Report:** Update on drafting sections.
11. **Superfund Site:** Pilot study status, NDPES Discharge Monitoring Reports, etc.
12. **Quadrangle Environmental Coordination:** Update.
13. **New Business**

Haverford Township Environmental Advisory Committee

Meeting Minutes – September 6, 2016, 7:30 pm

Attendees: EAC Members: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) - Aurora Dizel (4 - Siegel) – Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell); P. Hickman - Township Liaison

Schedule: 1st Tue. of Mo. at Quattrani except 7/5 & 9/6 (CREC), 10/5 (Weds).

1. Meeting Minutes

- a. **Prior Meeting Minutes Approval** (Motion: Aurora, 2nd Henry, Unanimous).
- b. **Volunteer to Prepare Tonight's Minutes** (P. S. Puglionesi)

2. EAC Website: M. Schaefer drafted EAC "Who We Are" material. EAC will edit to remove volunteers and put it in a better format for posting on the web.

3. Recycling: A revised draft presentation for the Board of Commissioners requested by Commissioner Holmes was reviewed. Revisions integrated the current program shortcomings, including new residents reporting to us at public events that they did not receive recycling containers or instructions upon move in and an ineffective enforcement program. It recommends easy to implement/short-term fixes (e.g., means to ensure that stickers and information on how to obtain a can is provided for every move in, mailing a sticker every year with the recycling calendar, a printable label for garbage cans). It also recommend improved Electronics Waste recycling opportunities (now only one this year with residents having to drive out to an overcrowded Marple event). EAC will explore whether the E-Waste non-profit or their contractor would do a Township-wide pickup day and what the cost would be. Alternatively, there could be a 2-3 day local drop off events and then the contractor could pick it up. We previously discussed seeking a grant for doing a study of trash/recycling rates and compliance. Commissioner Holmes also requested that EAC study alternatives to vacuuming leaves (e.g., paper bagging) due to the high cost in time and equipment rental, although this will take additional time. H. Eichman will finalize the presentation prior to the next meeting.

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

HTSD: No updates.

Intern: No progress. N. Schmidt emailed Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: After plants mature, EAC will determine whether the inlet can be further raised (more than the current 6 inches above the bottom of the basin) to increase detention capacity without affecting drain down within 2 days.

100 Rain Gardens Initiative: Assessments for fall "residential" garden installations were completed, the 5 gardens were selected and they will be installed in September and October.

NFWF Grants: DCVA was awarded a National Fish and Wildlife Federation (NFWF) grant for rain gardens in the Naylor's Run target sub-watershed, including a median gardens at Darby Road between the Middle School and Township building and 10 other gardens. DCVA will work with Haverford Township on the design and curb reconstruction and will install the garden.

Grants/Sponsorships: Open items: M. Schaefer to contact Whole Foods about dedicating a 5% day to the program, and P.S. Puglionesi to get a I-Radio Philly PSA aired. Lowe's recommended applying for a larger grant (up to \$25,000) but this would require partnering for education and would require more time.

Median Rain Gardens (Twp Led): No update. The alternate location at Hathaway near the Eagle Road end - more easily implemented than West Chester Pike – will be discussed at a suitable time. Mr. Gentile previously indicated that if we identify a suitable location, layout depth and plants, the Township can install it (including any necessary curb cuts). A preliminary plan needs to be developed.

Oakmont Rain Garden: The garden was planted and a sign placed.

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): No updates. D. Schwartz previously suggested just using the Philadelphia program guidance and provided links to it. It is not clear whether this is an appropriate "model" SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: No updates. Revised MS4 General Permit is due in early 2016 with a requirement that every municipality discharging to an impaired water must put together a plan, with

Haverford Township Environmental Advisory Committee

Meeting Minutes – September 6, 2016, 7:30 pm

real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load).

5. **Assessing Progress in Climate Action Plan Implementation.** No updates. Awaiting the five year update of the Delaware Valley Regional Planning Commission's inventory of energy use and greenhouse gas emissions for the region broken down to the municipality level.
6. **Haverford Township Day Green Zone (Sat., Oct. 1st, 2016):** A. Dizel discussed progress in coordinating the Green Zone. The Skatium parking lot is no longer projected to be done and the non-profit zone will move to Darby Road between Mill and Brookline. Clarified in written material that green vendors cannot sell anything in the Green Zone.
7. **Planning for Earth Day Event (Sat. April 23, 2016).** Resume activity in December.
8. **Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is ~ October 15 (1/15, 4/15, 7/15, 10/15) and for Recreation Department's HavaGood Times is ~December 15 (3/15, 6/15, 9/15, 12/15).
9. **YMCA Proposed Parking Lot:** No updates. P. Puglionesi requested final design information from the engineer for the YMCA lot but didn't get a response. Should review what/whether any GSI best practices were used and then remove from the agenda.
10. **Preparation of the 2014/2015 EAC Annual Report:** No progress. Will do a 2 year report/ presentation in January. Comments received on April 8 draft (Rain Gardens – D. Schwartz, Recycling – H. Eichman, General – J. Rushforth) to be integrated by P.S. Puglionesi and redistributed.
11. **Superfund Site:** No updates.
12. **Quadrangle Coordination:** No updates. Based on prior meeting, they were interested in an assessment for rain gardens, particularly for some areas subject to erosion during heavy rains. We advised them to retrieve stormwater design information to facilitate identifying potential rain garden locations. They have been non-responsive to several email and phone messages and this will remain inactive until they respond.
13. **New Business:** No update on 2017 Green Homes Tour in 2017 suggested by Dave Hartke who will take the lead on planning. P.S. Puglionesi emailed Cindy Mehallow of Newtown EAC to see if she will coordinate a possible EAC Summit with help from A. Dizel.

EAC AGENDA

Haverford Twp EAC – Wednesday, October 5, 2016 at 7:30 pm, Quattrani

EAC Members 2015-2016: Terry Watkins (1 - D'Emilio) - David Schwartz (2 - Oliva) – Michael Schaefer (3 - McClusky) - Aurora Dizel (4 - Siegel) – Colleen Dwyer Hansen (5 - Lewis) – Michael D'Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) – Derron LaBrake (EAC Appointee) - Dave Hartke (EAC Appointee); Commissioner Larry Holmes; P. Hickman - Township Liaison; Nora Schmidt, Volunteer; Beth Termini, Volunteer; Andrea Jacobs; Susan Cook (EAC Appointee/prior Township Liaison); Lori Hanlon Widdop - Township Assistant Director & Former Liaison; EAC occasional guests/interest: S. Goodsell; J. Angell, B. Dooner; R. Kerr; B. Walters, P. Durlacher, Rob Graff. Steve Rogers.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P.S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. **EAC Website:** Change implemented by Allie Rothman (HT IT). M. Schaefer sent updated "Who we are" page, P. Puglionesi sent revision. To be finalized at meeting.
3. **Recycling:** BoC review, postponed and will not be fit in October BOC Workshop (none) or meeting. Presentation requested by Commissioner Holmes on improvements to recycling and solutions to ensure all new residents get recycling bins.
4. **Storm Water & Rain Garden Subcommittee Updates:** DL, PSP, HE, DH, DS, NS to report.
Business Sponsorship/Non-Profit Partnership. Status of fundraising efforts.
NFWF and Other Grants. DCVA application for Darby Median Rain Gardens - awarded. Participation in new PRC / EDCSWC grant (could supply plants/materials beginning in fall).
100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.
Oakmont Rain Garden. Planting completed.
Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.
5. **Assessing Progress in Climate Action Plan Implementation.** Tabled until DVRPC 5-year inventory of energy use and greenhouse gas emissions is complete.
6. **Haverford Township Day (Sat., Oct. 1, 2016).** Thanks to volunteers, recap and lessons learned.
7. **Earth Day Event (Sat. April TBD, 2017).** Tabled until December 2016.
8. **Contributions to Township and Recreation Newsletters.** Next due early October, volunteer needed.
9. **YMCA Parking Lot.** Obtain final design to review what GSI was incorporated.
10. **Preparation of the 2014/2015 EAC Annual Report:** Update on drafting sections.
11. **Superfund Site:** Pilot study status, NDPEs Discharge Monitoring Reports, etc.
12. **Quadrangle Environmental Coordination:** No response to our communications from the Quadrangle EC received, inactive until QEC responds or makes additional request.
13. **New Business**

Haverford Township Environmental Advisory Committee

Meeting Minutes – October 5, 2016, 7:30 pm

Attendees: EAC Members: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) - Aurora Dizel (4 - Siegel) – Michael D'Antonio (6 - Holmes) - Peter Puglionesi (8 – Connell) - Dave Hartke (EAC Appointee) – J. Knox (Volunteer)
Schedule: 1st Tue. of Mo. at Quattrani except 7/5 & 9/6 (CREC), 10/5 (Weds).

1. Meeting Minutes

- a. **Prior Meeting Minutes Approval** (Motion: D. Hartke, 2nd D. Schwartz, Unanimous).
- b. **Volunteer to Prepare Tonight's Minutes** (P. S. Puglionesi)

2. EAC Website: Completed final review and revision of EAC “Who We Are” material. EAC will transmit to Township IT contact for posting on the web.

3. Recycling: A. Dizel advised of an e-waste collection event October 7th to 16th at Mom's Organic Market and we agreed to try to get the Township to publicize it. The revised draft presentation for the Board of Commissioners requested by Commissioner Holmes did not appear to have all comments incorporated including revisions integrated the current program shortcomings (e.g., new residents reporting at public events that they did not receive recycling containers or instructions upon move in; ineffective enforcement program; easy to implement/short-term fixes like providing stickers and information on how to obtain a can for every move in; mailing a sticker every year with the recycling calendar; a printable label for garbage cans). H. Eichman will integrate comments into the presentation prior to the next meeting. P. Puglionesi got information from PRC and Rep. Vitali indicating that state grants are no longer provided for no-cost e-waste pickup by PRC due to insufficient fees from manufacturers and a depressed market for recyclables. The company which provided the overcrowded 3 Township E-Waste Pickup in Marple indicated that it would not do a similar size pickup for the same price, but it would likely be approximately \$15,000. Smaller single township events could be done for a similar price as the Marple event. Refer to last month's minutes regarding e-waste options, seeking a grant for doing a study of trash/recycling rates and compliance. An EAC study of alternatives to vacuuming leaves (e.g., paper bagging) due to the high cost in time and equipment rental remains deferred.

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

HTSD: No updates.

Intern: No progress. N. Schmidt emailed Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: No progress. After plants mature, EAC will determine whether the inlet can be further raised (more than the current 6 inches above the bottom of the basin) to increase detention capacity without affecting drain down within 2 days.

100 Rain Gardens Initiative: The 5 fall “residential” garden installations are underway and will all be completed by mid-October.

NFWF Grants: No progress. DCVA was awarded a National Fish and Wildlife Federation (NFWF) grant for rain gardens in the Naylor's Run target sub-watershed, including a median gardens at Darby Road between the Middle School and Township building and 10 other gardens. DCVA is still waiting for L. Gentile to set up a project kickoff meeting with the Township Engineer. DCVA will work with Haverford Township on the design and curb reconstruction and will install the garden.

Grants/Sponsorships: Open items: M. Schaefer to contact Whole Foods about dedicating a 5% day to the program, and P.S. Puglionesi to get a I-Radio Philly PSA aired. Lowe's recommended applying for a larger grant (up to \$25,000) but this would require partnering for education and would require more time.

Median Rain Gardens (Twp Led): No update. The alternate location at Hathaway near the Eagle Road end - more easily implemented than West Chester Pike – will be discussed at a suitable time. Mr. Gentile previously indicated that if we identify a suitable location, layout depth and plants, the Township can install it (including any necessary curb cuts). A preliminary plan needs to be developed.

Oakmont Rain Garden: The garden was previously planted and a sign placed. D. Schwartz will pickup leftover mulch at 2544 Prescott to add to the Oakmont garden.

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce

Haverford Township Environmental Advisory Committee

Meeting Minutes – October 5, 2016, 7:30 pm

flooding): No updates. D. Schwartz previously suggested just using the Philadelphia program guidance and provided links to it. It is not clear whether this is an appropriate “model” SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: No updates. Revised MS4 General Permit is due in early 2016 with a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load).

5. **Assessing Progress in Climate Action Plan Implementation.** No updates. Awaiting the five year update of the Delaware Valley Regional Planning Commission’s inventory of energy use and greenhouse gas emissions for the region broken down to the municipality level.
6. **Haverford Township Day Green Zone (Sat., Oct. 1st, 2016):** This was a successful event and the relocation of the non-profit zone to Darby Road between Mill and Brookline also appears to be an improvement vs. the old location. Possible improvements included T. Watkins suggestion a survey similar to what HMS did at Earth Day, but we would need a computer. A. Dizel discussed Starbucks coffee grounds composting. J. Knox suggested reusing discarded solar collectors and repurposing them toward a display.
7. **Planning for Earth Day Event (Sat. April 22, 2017).** Resume activity in December but it was agreed to make earlier invitations to participants, explore doing an e-waste pickup and consider presenting case histories on rain gardens – do’s and don’t’s.
8. **Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is ~ October 15 (1/15, 4/15, 7/15, 10/15) and for Recreation Department’s HavaGood Times is ~December 15 (3/15, 6/15, 9/15, 12/15). Aurora will do a piece on Earth Day.
9. **YMCA Proposed Parking Lot:** It was agreed to remove this item from the agenda.
10. **Preparation of the 2014/2015 EAC Annual Report:** No progress. Will do a 2 year report/ presentation in January. Comments received on April 8 draft (Rain Gardens – D. Schwartz, Recycling – H. Eichman, General – J. Rushforth) to be integrated by P.S. Puglionesi and redistributed.
11. **Superfund Site:** The Annual Report was issued, distributed and a request was made to C. Dwyer Hanson to review and do a summary just before the meeting but no members had reviewed it as of the meeting.
12. **Quadrangle Coordination:** No updates. Based on prior meeting, they were interested in an assessment for rain gardens, particularly for some areas subject to erosion during heavy rains. We advised them to retrieve stormwater design information to facilitate identifying potential rain garden locations. They have been non-responsive to several email and phone messages and this will remain inactive until they respond.
13. **New Business:** No update on 2017 Green Homes Tour in 2017 suggested by Dave Hartke who will take the lead on planning. P.S. Puglionesi emailed Cindy Mehallow of Newtown EAC to see if she will coordinate a possible EAC Summit with help from T. Watkins. D. Hartke volunteered to coordinate an upgrade of the EAC Logo.

EAC AGENDA

Haverford Twp EAC – Tuesday, November 1, 2016 at 7:30 pm, Quattrani

EAC Members 2015-2016: Terry Watkins (1 - D'Emilio) - David Schwartz (2 - Oliva) – Michael Schaefer (3 - McClusky) - Aurora Dizel (4 - Siegel) – Colleen Dwyer Hansen (5 - Lewis) – Michael D'Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) – Derron LaBrake (EAC Appointee) - Dave Hartke (EAC Appointee); Commissioner Larry Holmes; P. Hickman - Township Liaison; Nora Schmidt, Volunteer; Beth Termini, Volunteer; Andrea Jacobs; Susan Cook (EAC Appointee/prior Township Liaison); Lori Hanlon Widdop - Township Assistant Director & Former Liaison; EAC occasional guests/interest: S. Goodsell; J. Angell, B. Dooner; R. Kerr; B. Walters, P. Durlacher, Rob Graff. Steve Rogers.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P.S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. **EAC Website:** Status of “Who we are” page update, P. Puglionesi sent revision to HT IT.
3. **Recycling:** BoC review, postponed and remains to be finalized and rescheduled. Presentation requested by Commissioner Holmes on improvements to recycling and solutions to ensure all new residents get recycling bins.
4. **Storm Water & Rain Garden Subcommittee Updates:** DL, PSP, HE, DH, DS, NS to report.
Business Sponsorship/Non-Profit Partnership. Status of fundraising efforts.
NFWF and Other Grants. DCVA application for Darby Median Rain Gardens - awarded. Participation in new PRC / EDCSWC grant (could supply plants/materials beginning in fall).
100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.
Oakmont Rain Garden. Planting completed.
Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.
5. **Assessing Progress in Climate Action Plan Implementation.** Tabled until DVRPC 5-year inventory of energy use and greenhouse gas emissions is complete.
6. **Haverford Township Day (Sat., Oct. 1, 2016).** Tabled until June 2016.
7. **Earth Day Event (Sat. April TBD, 2017).** Tabled until December 2016.
8. **Contributions to Township and Recreation Newsletters.** Next due early October, volunteer needed.
9. **Preparation of the 2014/2015 EAC Annual Report:** Update on drafting sections.
10. **Superfund Site:** Pilot study status, NDPEs Discharge Monitoring Reports, etc.
11. **Quadrangle Environmental Coordination:** No response to our communications from the Quadrangle EC received, inactive until QEC responds or makes additional request.
12. **New Business**

Haverford Township Environmental Advisory Committee

Meeting Minutes – November 1, 2016, 7:30 pm

Attendees: EAC Members: Terry Watkins - (1 - D'Emilio) - Aurora Dizel (4 - Siegel) – Michael D’Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) – Colleen Dwyer Hansen (5 - Lewis) - Peter Puglionesi (8 – Connell) - Dave Hartke (EAC Appointee) – Peter Hickman - Township Liaison - J. Knox (Volunteer)

Schedule: 1st Tue. of Mo. at Quattrani except 7/5 & 9/6 (CREC), 10/5 (Weds).

1. Meeting Minutes

- a. **Prior Meeting Minutes Approval** (Motion: D. Hickman, 2nd H. Eichman, Unanimous).
- b. **Volunteer to Prepare Tonight’s Minutes** (P. S. Puglionesi)

2. EAC Website:

P. Puglionesi transmitted the final update of EAC “Who We Are” material to Rick McClary who oversees the Township web site for posting. We discussed adding the PA Power Switch 1 pager on the web site and need to update it and submit it after EAC trial use initiated after this meeting. Also discussed doing EAC videos, like Lower Merion EAC.

3. Recycling:

P. Puglionesi researched low cost recycling stickers that can be auto-stuffed into the annual recycling cost and reviewed the options with the Township Manager who tasked the Public Works Director with further research and resolving an approach. An updated revised draft presentation for the Board of Commissioners requested by Commissioner Holmes was issued with all comments incorporated. M. D’Antonio suggesting reorganizing by first doing all observations, then all recommendations. EAC was asked to get its comments in this week and H. Eichman will integrate comments into the presentation. The Township declined to publicize the e-waste collection event October 7th to 16th at Mom’s Organic Market but EAC members posted information on outside social media and used it themselves. No progress on how to improve Township E-Waste Pickup or resolving state funding shortfalls for regional programs. Refer to prior month’s minutes.

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

HTSD: No updates.

Intern: No progress. N. Schmidt previously emailed Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: No progress. After plants mature, EAC will determine whether the inlet can be further raised (more than the current 6 inches above the bottom of the basin) to increase detention capacity without affecting drain down within 2 days.

100 Rain Gardens Initiative: The 5 fall “residential” garden installations are complete and assessments will be conducted in the coming months for Spring 2017 gardens.

NFWF Grants: No progress. DCVA was awarded a National Fish and Wildlife Federation (NFWF) grant for rain gardens in the Naylor’s Run target sub-watershed, including a median gardens at Darby Road between the Middle School and Township building and 10 other gardens. DCVA is still waiting for L. Gentile to set up a project kickoff meeting with the Township Engineer. DCVA will work with Haverford Township on the design and curb reconstruction and will install the garden.

Grants/Sponsorships: Open items: M. Schaefer to contact Whole Foods about dedicating a 5% day to the program, and P.S. Puglionesi to get a I-Radio Philly PSA aired. Lowe’s recommended applying for a larger grant (up to \$25,000) but this would require partnering for education and would require more time.

Median Rain Gardens (Twp Led): No update. The location at Hathaway near the Eagle Road end will be discussed at a suitable time. Mr. Gentile previously indicated that if we identify a suitable location, layout depth and plants, the Township can install it (including any necessary curb cuts).

Oakmont Rain Garden: The garden was previously planted and a sign placed. D. Schwartz and P. Puglionesi spread leftover mulch from Prescott and Mill Road gardens to the Oakmont garden.

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): No updates. D. Schwartz previously suggested just using the Philadelphia program guidance and provided links to it. It is not clear whether this is an appropriate “model” SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: No updates. Revised MS4 General Permit is due in early 2016 with a requirement that every municipality discharging to an impaired water must put together a plan, with

Haverford Township Environmental Advisory Committee

Meeting Minutes – November 1, 2016, 7:30 pm

real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load).

5. **Assessing Progress in Climate Action Plan Implementation.** Discussed EAC trial use of the 1 page guide to buying renewable power, distributed by P. Puglionesi. No EAC members have yet used it, although A. Dizel and P. Puglionesi already purchase renewable power. L. Widdop also emailed that she has purchased wind power for several years. Awaiting the five year update of the Delaware Valley Regional Planning Commission's inventory of energy use and greenhouse gas emissions for the region broken down to the municipality level.
6. **Haverford Township Day Green Zone (First Saturday in October):** Resume activity in June.
7. **Planning for Earth Day Event (Sat. April 22, 2017).** Resume activity in December but it previously was agreed to make earlier invitations to participants, explore doing an e-waste pickup and consider presenting case histories on rain gardens – do's and don't's.
8. **Contributions to Township and Recreation Newsletters.** A draft was submitted for the October deadline, which was extended. Need to get a brief in on the Rain Garden Workshop. Next deadline is for the Township Newsletter is ~ January 15 (1/17, 4/17, 7/17, 10/17) and for Recreation Department's HavaGood Times is ~March 15 (3/17, 6/17, 9/17, 12/17).
9. **Preparation of the 2014/2015 EAC Annual Report:** No progress. Will do a 2 year report/ presentation in January. Comments received on April 8 draft (Rain Gardens – D. Schwartz, Recycling – H. Eichman, General – J. Rushforth) to be integrated by P.S. Puglionesi and redistributed.
10. **Superfund Site:** The Annual Report was issued, distributed and C. Dwyer Hanson reviewed it and provided a summary. Groundwater concentrations have generally continued to decrease and there has been a decrease in the frequency of sampling some wells. It is unknown whether shutting down the downgradient pumping well that is now relatively clean remains proposed. H. Eichman advised us regarding observing extensive environmental work in front of the capped site and believes that this may have been necessary to install stormwater systems as the new storage facility. He will L. Widdop what was done there.
11. **Quadrangle Coordination:** No updates. Based on prior meeting, they were interested in an assessment for rain gardens, particularly for some areas subject to erosion during heavy rains. We advised them to retrieve stormwater design information to facilitate identifying potential rain garden locations. They have been non-responsive to several email and phone messages and this will remain inactive until they respond.
12. **New Logo:** D. Hartke reported that he expects to have a more polished version of the EAC logo in couple of weeks for review.
13. **EAC Members/Volunteers Update:** EAC discussed adding James Knox as an ad hoc member of EAC as well as the need to periodically update ad hoc membership and the listing of volunteers in the header of agendas. M. D'Antonio made a motion to elect James Knox as an ad hoc member of the EAC, remove ad hoc members voted on by EAC at the end of each 2 year EAC term, request that they formally express interest for a new term and then vote to reappoint them in the new term. This was seconded by H. Eichman and approved unanimously. It will be implemented as of this minutes and the next agenda. Former members and volunteers will continue to receive agendas in the event they wish to resume participation.
14. **New Business:** No update on 2017 Green Homes Tour in 2017 suggested by Dave Hartke who will take the lead on planning. P.S. Puglionesi emailed information to T. Watkins on Cindy Mehallow of Newtown EAC and will help coordinate a possible EAC Summit.

EAC AGENDA

Haverford Twp EAC – Tuesday, December 5, 2016 at 7:30 pm, Quattrani

EAC Members 2015-2016: Terry Watkins (1 - D'Emilio) - David Schwartz (2 - Oliva) – Michael Schaefer (3 - McClusky) - Aurora Dizel (4 - Siegel) – Colleen Dwyer Hansen (5 - Lewis) – Michael D'Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) – Derron LaBrake (EAC Appointee) - Dave Hartke (EAC Appointee) - James Knox (EAC Appointee); Commissioner Larry Holmes; P. Hickman - Township Liaison; Nora; Susan Cook (EAC Appointee/prior Township Liaison); Lori Hanlon Widdop - Township Assistant Director & Former Liaison.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P.S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. **EAC Website:** Status of "Who we are" page update sent to HT IT. Additional updates.
3. **Recycling:** HT decision regarding mailing recycling sticker to every household. Developing a new 1 pager for HT to send with recycling stickers and one for new residents. BoC review, postponed and remains to be finalized and rescheduled. Presentation requested by Commissioner Holmes on improvements to recycling and solutions to ensure all new residents get recycling bins.
4. **Storm Water & Rain Garden Subcommittee Updates:** DL, PSP, HE, DH, DS, NS to report.
Business Sponsorship/Non-Profit Partnership. Status of fundraising efforts.
NFWF and Other Grants. DCVA application for Darby Median Rain Gardens - awarded. Participation in new PRC / EDCSWC grant (could supply plants/materials beginning in fall).
100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.
Oakmont Rain Garden. Planting completed.
Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.
5. **Assessing Progress in Climate Action Plan Implementation.** EAC experiment using 1 page guide to buying green power. Tabled progress review until DVRPC 5-year inventory of energy use and greenhouse gas emissions is complete.
6. **Haverford Township Day (1st Saturday in October).** Tabled until June 2016.
7. **Earth Day Event (Sat. April 22, 2017).** Resume planning activity in December 2016.
8. **Contributions to Township and Recreation Newsletters.** Submitted in November, deadline extended. Need to get piece in on Rain Garden Workshop.
9. **Preparation of the 2014/2015 EAC Annual Report:** Update on drafting sections.
10. **Superfund Site:** Recent activity in front of storage facility.
11. **Quadrangle Environmental Coordination:** No response to our communications from the Quadrangle EC received, inactive until QEC responds or makes additional request.
12. **New Logo:** D. Hartke expects to have a more polished version of the EAC logo for review.
13. **EAC Members/Volunteers Update:** EAC term expiring. All members wishing to stay on will need to submit a letter of interest to township manager and all ad hoc members wishing to stay in that capacity will need to submit a letter of interest to the EAC.
14. **New Business**