



# The New Garden Lyceum

## COMMUNITY NEWSLETTER

### NEW GARDEN TOWNSHIP

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LANDENBERG, PA 19350  
WWW.NEWGARDEN.ORG  
610-268-2915  
OFFICE@NEWGARDEN.ORG

#### BOARD OF SUPERVISORS

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MICHAEL LOFTUS, VICE CHAIR  
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### MEETING SCHEDULE

**BOARD OF SUPERVISORS**  
3rd Monday - 7pm  
**PLANNING COMMISSION**  
3rd Wednesday - 7pm  
**PARKS & RECREATION**  
2nd Tuesday - 5pm  
**HISTORIC COMMISSION**  
1st Wednesday - 7:30pm  
**OPEN SPACE REVIEW BOARD**  
2nd Tuesday - 7pm  
**ZONING HEARING BOARD**  
As needed  
**BUILDING APPEALS**  
As needed  
**COMMUNICATIONS COMMITTEE**  
2nd Tuesday - 9am

### MESSAGE FROM THE TOWNSHIP MANAGER

Dear Lyceum Newsletter Readers,

Well, another summer is in the books, and I am definitely ready for some fall weather! Speaking of weather, New Garden Township was extremely lucky regarding the effects of Hurricane Ida. Unfortunately, some of our neighbors were not so lucky. If you are interested in donating to those affected by Ida, please check the Chester County website <https://www.chesco.org/4996/Ida> on ways to give back to the community. They have also posted a Public Preparedness Guide <https://www.chesco.org/DocumentCenter/View/64183/ChesterCounty-PreparednessGuide> that could help keep you safe in a major event.

I know that there has been quite a bit of discussion regarding the Township's purchase of Loch Nairn. We are all extremely appreciative of the Smedley Family's contribution to open space in the Township. Please keep in mind that this will take place over two years. The golf season will continue through 2022. That being said, because of the conditions of certain funding sources for this acquisition, once the Township takes ownership of the property it will no longer be able to be used as a golf course. We have already signed off on the first portion of this purchase and there is no turning back now. On the bright side, the area containing the restaurants will be subdivided and they will remain open in perpetuity. I can't imagine anything nicer than spending a fall day wandering around a beautiful preserve, followed by the world's best crab cake- so I consider this a win for all of us!



CONTINUED ON PAGE 2

### INCLUDED IN THIS VOLUME:

Township Survey & Lyceum Hall	P. 3	Kennett Library	P. 21
Meet the Staff	P. 4	Adult Literacy Program	P. 22
Community Day	P. 5	Regional Trails Map	P. 23
CC Hazardous Waste Events	P. 6-7	Brandywine Valley Sports & Rec	P. 24
Public Works Update	P. 8-10	Invasive Species	P. 25-26
Codes Corner	P. 11	KACS Donations	P. 27
Police-Car Seat Inspections	P. 12	Mushroom Phorid Flies	P. 28-31
Airport News	P. 13-19	Used Bicycle & Sewing Machine Drive	P. 32-33
2021 Municipal Election	P. 20		

# New Garden Board of Supervisors



J. Patrick Little, Chairman



Michael Loftus, Vice Chairman



Stephen Allaband, Member



Krista Brodowski, Member



David Unger, Member

## CONTINUED FROM PAGE 1 - MANAGER REINER

And in other park and open space news, we are continuing our progress on St. Anthony's in the Hills. We have submitted grant applications for Phase 1, which includes pavilion rehabilitation, parking, and a nature-based playground. We are also working with our Township engineers to bring water and sewer to the park to create more opportunities for redevelopment within.

The Communications Committee has been working on a survey that we will be releasing annually from here on out to gain as much feedback as possible from our residents. Because you may know people that are not tech savvy or online, we will make hard copies available in the office and will be happy to schedule a time for someone to visit and answer on a computer in our meeting room. We want to hear from everyone and want to make this accessible as possible.

Feedback helps us serve you better! Complete the survey here:

<https://bit.ly/2WjdsWU>

As always, I will continue to do my best to keep consistent with my Friday updates on our website. If you haven't subscribed, please do. I try to keep them entertaining while informing everyone of what is going on in our Township.

Please sign up at [www.newgarden.org](http://www.newgarden.org).

Hope to see you soon!  
Ramsey Reiner,  
Township Manager

# New Garden Township Survey

Because New Garden Township's ultimate responsibility is to serve its stakeholders, it is important for us to check-in annually to see how we are doing. Please take a few minutes to fill out the annual "Resident Satisfaction Survey" and give us honest feedback on how we are meeting your expectations, and what we could be doing better. We are here to serve you!

The survey is 14 questions and should take about 6-8 minutes complete.

Thank you so much for your time.

Ramsey Reiner, Township Manager  
New Garden Township

URL: <https://bit.ly/2WjdsWU>



## Community Day, October 16, 2021



During Community Day stop by the historic New Garden Lyceum Hall, a pre-Civil War building and a unique example of standing history in Chester County. Learn about the building's architecture, its varied and important uses during the past hundred and fifty years. View historic artifacts, maps and photographs of New Garden Township and this building's complicated move from its original site opposite Hill Top Restaurant, a short distance away.



New Garden Historical Commission 2021

## Meet The Staff



Hablo español!

Hi, my name is Ahtziri Romo! Some of you may recognize me from this past summer as I was the Southern Chester County Regional Police Department's intern. Shortly after starting my internship, I was introduced to the Township and all the amazing staff members. I am more than grateful to be working at the Township building part time while being a full-time student at Immaculata University.

Some fun facts about me are that I love coffee, and I mean LOVE! I enjoy Kayaking, biking, hiking and traveling as much as I can. I was born and raised in Southern Chester County and although I love the smell of all the agricultural farms around this area, I do enjoy getting out and exploring new places!

I am super excited to have a place here at the Township as the receptionist, so whenever you feel like stopping by to ask any questions, rent a pavilion, or to simply say hello, I will be here at the front desk happy to help you!

## New Garden Township Welcomes Assistant Finance Director/ Benefits Coordinator- Kristina Molnar



Hi there! I am so excited to join the team at New Garden Township as the Assistant Finance Director & Benefits Coordinator. My experience in Finance has covered many industries, but this is my first time working in the public sector, so I can't wait to dig in!

I was born and raised in Chester County and minus a few years in Southern California, have spent my entire life here. I have traveled quite a bit and can honestly say there aren't many places as beautiful as Chester County, I love this area and all that it has to offer.

When not in the office, I can be found at my children's sporting events, trying out local mom & pop coffee shops (I looove coffee), or just hanging at home with my family, cats & chickens!

# Community Day

**Saturday,  
October 16th  
12:00-4:00 PM**



**Thank you to our  
Sponsors!**

Premium: Manfredi Cold Storage  
Gold: Wilkinson Homes LLC and Hartefeld National Golf Club  
Silver: Tractor Supply Co.

**FREE Community event!! Time to celebrate our community and enjoy food, live music, emergency response displays, local businesses, face/pumpkin painting, bird show, obstacle courses, meet our elected officials and much more...**



## **New Garden Park**

8934 Gap Newport Pike, Landenberg, PA 19350

Visit [www.newgarden.org](http://www.newgarden.org) for details

Call 610-268-2915 or email at

[office@newgarden.org](mailto:office@newgarden.org)

# 2021 SOUTHEASTERN PENNSYLVANIA REGIONAL HOUSEHOLD HAZARDOUS WASTE RESIDENTIAL EVENTS

**By Appointment Only, Preregistration is Required.  
Register at County websites listed below.  
NO ELECTRONICS ACCEPTED.**



All listed events are open to residents of Bucks, Chester, Delaware, and Montgomery Counties and Philadelphia regardless of the host county.

DATE	DAY	COUNTY	LOCATION
April 3, 2021	Saturday	Bucks	Bucks County Community College, 275 Swamp Rd. Newtown
April 10, 2021	Saturday	Chester	Government Services Center, 601 Westtown Rd., West Chester
April 10, 2021	Saturday	Philadelphia	Streets Dept. Training Center, 8401 State Rd. at Ashburner St., Phila.
April 24, 2021	Saturday	Montgomery	Boyertown Middle School East, 2020 Big Rd., Gilbertsville
April 24, 2021	Saturday	Delaware	Emergency Services Training Center, 1600 Calcon Hook Rd., Sharon Hill
May 1, 2021	Saturday	Montgomery	Indian Valley Middle School, 130 Maple Ave., Harleysville
May 8, 2021	Saturday	Bucks	Upper Bucks County Area Vocational Technical School, 3115 Ridge Rd., Perkasi
May 8, 2021	Saturday	Montgomery	Montgomery County Community College, enter at 595 Cathcart Rd., Blue Bell
May 15, 2021	Saturday	Philadelphia	1st District Highway Yard, 4800 Parkside Ave., Phila.
June 12, 2021	Saturday	Montgomery	Temple University–Ambler Campus, enter on 1431 E. Butler Pike, Ambler
June 12, 2021	Saturday	Delaware	Rose Tree Park, 1671 N. Providence Rd., Media
June 19, 2021	Saturday	Montgomery	Abington Junior High School, enter on 2056 Susquehanna Rd., Abington
June 19, 2021	Saturday	Philadelphia	Northwest Transfer Station, Domino Ln. & Umbria St., Phila.
June 25, 2021	FRIDAY	Chester	Coatesville CCIU Center, 1635 E. Lincoln Hwy., Coatesville
June 26, 2021	Saturday	Bucks	Central Bucks South High School, 1100 Folly Rd., Warrington
July 16, 2021	FRIDAY	Philadelphia	Streets Dept. Training Center, 8401 State Rd. at Ashburner St., Phila.
August 14, 2021	Saturday	Bucks	Bucks County Technical High School, 610 Wistar Rd., Fairless Hills
August 28, 2021	Saturday	Chester	Oxford School District Administration Building, 125 Bell Tower Ln. (Rte. 10), Oxford
September 18, 2021	Saturday	Delaware	Emergency Services Training Center, 1600 Calcon Hook Rd., Sharon Hill
September 25, 2021	Saturday	Philadelphia	3rd District Highway Yard, 22nd St. & York St., Phila.
September 25, 2021	Saturday	Montgomery	Spring-Ford 9th Grade Center, 400 South Lewis Rd., Royersford
October 9, 2021	Saturday	Chester	Government Services Center, 601 Westtown Rd., West Chester
October 9, 2021	Saturday	Philadelphia	Streets Dept. Facility, 3033 South 63rd St.–Northwest of Passyunk Ave., Phila.
October 16, 2021	Saturday	Delaware	Upper Chichester Township Municipal Building, 8500 Furey Rd., Upper Chichester
October 24, 2021	SUNDAY	Montgomery	Lower Merion Transfer Station, 1300 N. Woodbine Ave., Penn Valley
October 30, 2021	Saturday	Bucks	Strayer Middle School, 1200 Ronald Reagan Drive, Quakertown
November 6, 2021	Saturday	Philadelphia	Streets Dept. NE Facility, 3901 Delaware Ave. between Castor & Lewis (Near Allegheny Exit of I-95), Phila.

## For additional information:

Bucks County	215-345-3400	<a href="http://www.buckscounty.org/recycling">www.buckscounty.org/recycling</a>
Chester County	610-273-3771 x*228	<a href="http://www.chestercountyswa.org">www.chestercountyswa.org</a>
Delaware County	610-892-9627	<a href="http://www.co.delaware.pa.us">www.co.delaware.pa.us</a>
Montgomery County	610-278-3618	<a href="http://www.MontcoPARecycles.org">www.MontcoPARecycles.org</a>
Philadelphia	215-686-5560	<a href="http://www.philadelphiastreet.com">www.philadelphiastreet.com</a>



# 2021 SOUTHEASTERN PENNSYLVANIA REGIONAL HOUSEHOLD HAZARDOUS WASTE

## ACCEPTABLE MATERIALS

PAINT PRODUCTS	OUTDOOR PRODUCTS	AUTOMOTIVE PRODUCTS	HOUSEHOLD PRODUCTS	HOUSEHOLD OTHER
Turpentine	Swimming Pool Chemicals	Grease & Rust Solvents	Kerosene	Acids, Caustics, Solvents
Paint Thinners	Weed Killers	Fuel Additives	Rug Cleaners, Drain Openers	Flammables
Strippers & Removers	Septic Tank Degreasers	Carburetor Cleaners	Wood & Metal Cleaners	Oxidizers
Oil-Based Paints	Asphalt Sealers	Transmission/Brake Fluid	Mothballs/Flakes	Reactives
Stains, Varnish, Shellac	Roof Cements	Antifreeze	Adhesives/Solvents	Lead
Spray Paint	MINI Propane Tanks (No BBQ Tanks)	Car(lead-acid), Truck, Motorcycle & Marine Batteries	Rechargeable Batteries, Lithium, Ni-Cad, Button, Lead Acid	Mercury (Thermostats & Thermometers)
Solvent-Based Paint Products	Pesticide	Gas, Oil, Gas Oil Mixture	Spot Removers, Dry Cleaning Fluid	Fluorescent Tubes, Ballast, and CFLs
Wallpaper Cement	Chemical Fertilizer	Road Flares (No Marine Flares)	Fire Extinguishers	Aerosols

## UNACCEPTABLE MATERIALS

Explosives, Ammunition, Marine Flares	<b>Electronics</b>	Asbestos	Appliances/White Goods
Infectious or Medical Waste	Prescription Drugs	Radioactive Waste	Refrigerants, Freon Appliances
Tires	20 Lb. BBQ Propane Tanks/ Helium Tanks	Unidentified Waste	25- or 50- Gallon Drums
Latex Paint* (Water-Based)	Gas Cylinders	Alkaline Batteries (Trash)	Smoke Detectors

\* Take off lid, dry out paint, discard can without lid; or pour paint into plastic bag with absorbent material (clay based kitty litter, saw dust, rags) place bag and can without lid, in trash. Paint hardener can also be purchased at hardware stores.

## DROP OFF GUIDELINES

- NO TVs, electronics, or appliances will be accepted.
- Event workers will unload your materials so please remain in your vehicle with your windows up.
- **BUSINESSES AND CONTRACTORS WILL BE TURNED AWAY**, no commercial/industrial waste accepted.
- Bring all substances in original containers with labels. Items must be identifiable. Do not mix materials.
- Gas containers returned upon request. Please attached a note to your container if you want it back.
- Tighten lids on all containers. If containers are leaking, pack in larger container with newspaper to soak up leaks.
- Maximum amount accepted is 25 gallons or 220 pounds. No 25- or 50-gallon drums.
- There are no permanent drop off locations in the region for household hazardous waste, only the listed collections.

## **Public Works Update**

**By: Ken Reed, Public Works Director**

**Surface Treatments-** For 2021, we had a contractor perform milling, leveling, and a wearing course, as well as some tar/chip/fog sealing. The entire length of Line Road that is maintained by New Garden, which is approximately 4,850', and a section of Sharp Road from Pine Valley towards Route 41, approximately 4,400', had 2" milled off, then a 2-1/2" "level" course of 19mm was applied then a 1-1/2" "wearing" course of 9.5mm asphalt was applied. The milling process removes the existing road surface to the predetermined depth. This allows the contractor to slightly reshape the road to assist with proper drainage and lower the road height to allow for the extra height that will be added with the level and wearing course. Once that is complete and the roadway is swept up from all remaining stone and debris, the roads get a tack coat to help the new blacktop adhere and help seal up cracks. Then the level course is applied to fill in any low spots and set the crown to allow storm water to run off the roadway. This blacktop mix has slightly larger stone than the wearing course which gives the roadway its structure. The final step in the paving project is the wearing course. This is another variation of blacktop; however, it uses smaller stone than the level course and gives the roadway a nice smooth, quiet ride. Between Line and Sharp Roads, we paved about 1.75 miles totaling almost \$424,978.99. That comes out to almost \$250,000 a mile.

The remaining \$63,750 spent on road work this year was for tar/chip and fog sealing. A little over half a mile of roadway was tar/chipped and fog sealed this year. Those roads were: Chandler Drive, Barley Court, West Shore Court, and Springbenny Turn.

The tar/chip/fog seal process helps seal cracks in the road and keep water out of them. One of the most detrimental factors to roadways is water. As water gets down in the crack and traffic drives over it, the tires act as a pressure washer and force the water deeper into the roadbed/crack. In winter, the freeze/thaw cycles in the area freeze that water, which makes it expand and opens the crack even more. When we apply salt or the temperature rises, the ice melts and the water drops down into the crack that was just made bigger. When freezing temperatures arrive again the water freezes and expands, which starts the whole cycle over again. That freeze/thaw cycle is one of the main causes of potholes. By eliminating the water in the cracks, we can significantly increase the life of the road by keeping water from causing damage.

We have received several phone calls about why we did something to one road versus another. Common practice is to "keep the good roads good." Meaning, a little preventative maintenance on a road that only has a few cracks is far cheaper to do it now as opposed to sinking money into a road that is already severely damaged. With over 60 miles of roadway throughout the Township, we should be treating about three miles of roadway a year to stay on top of the situation.

Roadway maintenance projects this year totaled \$488,728.99 with the milling, level, wearing course and Tar/chip/fog sealing.

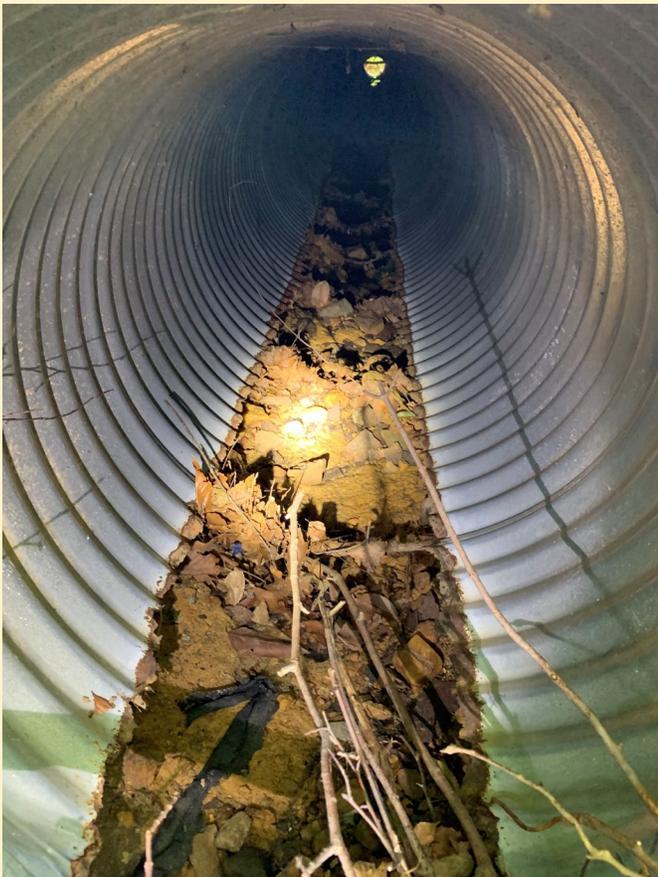
Now that the paving and surface treatments have been completed, we are patiently waiting for the line strippers to come in to repaint the lines on the newly paved roads. They will also respray roads that have double yellow and white edge lines. We have been on the schedule with them for a few weeks, but they have been experiences delays due to weather. Another crew from the same company will be out soon to apply the "SLOW" and "CURVE" legends on Sharp Road, as well as new "R/R" crossing legends on Chambers Road. Once again, we are at the mercy of Mother Nature on the completion of this work.

**Bridge replacements-** Another planned project for 2021 is the replacement of the Egypt Run Road bridge near Penn Green Road. Originally expected to be replaced starting mid to late June to not interfere with the school buses, the project has been pushed back several times and is now slated to begin in mid-November. The replacement has been engineered to use precast footers and bridge structure in an attempt to save time. The new bridge will be wider than

the current bridge, allowing two cars to safely cross at the same time. Further details will be posted to our website and social media platforms when available.

Looking forward to 2022, we are also planning to replace the small one-lane bridge on Bancroft Road, just up from Crestview Drive. Given the proximity to the elementary school, the project will be completed during the summer to avoid impacts to bus transportation. The design process is almost complete and hopefully the precast footers and bridge structure will be ordered before the end of 2021 to eliminate any delays in the replacement schedule.

**General summer tasks-** Just like years past, this summer flew by with a lot of projects started and completed. We just finished the second, and hopefully final road bank mowing for the year. We have also had a number of sign repairs installs. A priority focus has been to concentrate on stormwater items this summer. Public Works repaired/rebuilt almost 30 inlets so far this year. That may not sound like much but many of these were in bad shape and required a full rebuild with forming walls, mixing and pouring concrete, and then removing the forms when the concrete cured. We have also replaced a total of 4 pipes this summer. Two of them were conventional dig and replace while the other three, we utilized a product called Snap-Tite that slides into the existing pipe without having to dig up the area.



As winter approaches, we will be slowly transitioning to our winter operations. This means we will be pulling the plows out and getting the salt spreading equipment ready. Tree trimming along Township roads to eliminate limbs hitting mirrors of our trucks or school buses will also be started. This helps allow as much sunlight as possible to reach the road to help with the melting process in the winter months. As part of our DEP requirements for improving the quality of stormwater, we will also be working on inlet inspections and repairs. This includes checking a certain number of inlets for issues with sinkholes, or debris like stone or leaves. We repair any issues and clean out the inlet boxes or pipes as needed to eliminate the debris from reaching the waterways.

**Generator safety-** As we enter the winter, the chance of power outages due to storms increases. Power can be knocked out by limbs falling on the lines in a wind or ice storm. The lines themselves can fall from the weight of snow and ice, or poles can be damaged from vehicles sliding into them during inclement weather. While power outages are an inconvenience, they can also be very dangerous. Below are generator tips and safety precautions that must be followed. If not followed they can be very dangerous and can threaten the lives of your family and neighbors, as well as the utility workers trying to get the power restored to the area.

- Always read and understand the manual supplied with the generator to ensure proper operation.
- Never “back feed” the panel through an outlet. Not only is it illegal, but it is also very dangerous and can cause shock, electrocution, and/or a fire.
- NEVER run your generator in an enclosed area such as in a basement/crawl space or a garage, even if the door is open. The generator puts off carbon monoxide (CO) which is an odorless and colorless gas that can cause sudden illness and death.
- Generators should be operated at least 20 feet from buildings and even at that distance there still is the possibility of the CO entering the building through windows/doors, or attic vents, especially with the use of fans to pull in “fresh” air. Also, keep the generator as level as possible. If tilted, the engine oil can be kept away from the oil pump and cause engine failure.
- Always keep a working carbon monoxide detector in any occupied building and remember most of them are good for five (5) years. After that they can give false positives, or even worse, not notify you in the event of a high level of CO in a building.
- Always shut down and allow the generator to cool before refueling it.
- Keep the generator as dry as possible to reduce the possibility of being shocked or electrocuted.

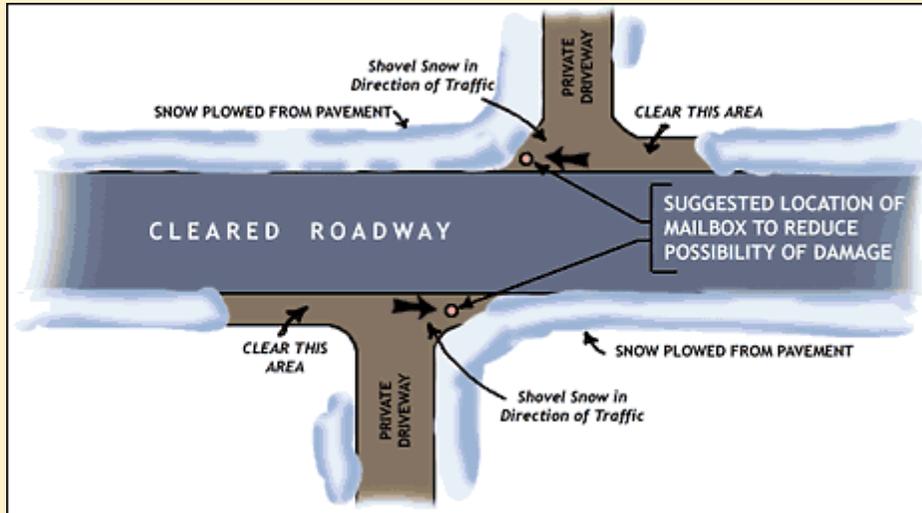
**Winter is right around the corner-** Fall is upon us already and winter will follow close behind. Fingers crossed we have another mild winter like we did last year with minimal amounts of snow.

The Public Works Department is called in as soon as the first flake starts to fall. They work many long, exhausting hours to keep the roads as clear as possible during the storm and then continue working after the storm to get everything pushed back and cleaned up. New Garden Public Works is responsible for about 62 miles of roadway, which equates to almost 125 lane miles. Each driver has a dedicated truck and route to help make the process as efficient as possible. Our priority during the storm is to keep the main Township maintained roads open and passable, then concentrate on the lesser traveled and development roads. During smaller snowstorms, where we only receive a few inches of snow and the temperatures are reasonable, the roadways are treated with a mixture of salt and anti-skid material to melt the ice and snow and keep it from freezing to the roadway. Under normal circumstances, that application takes two and half to three hours to complete. As temperatures drop the salt becomes less effective and another round of salt is needed to complete the deicing process.

There are a few tips to make it through the snowy season with as little headache as possible.

- **If you don't need to be out, DON'T GO OUT!!** The less traffic on the road, the quicker and safer we can do our job of removing the snow and ice from the roadway.
- **Don't park vehicles on the street before or during a snow storm.** Several Township maintained roads are narrow and on hills. If the plow truck can't safely pass the vehicle the street will not be plowed until the vehicle is removed, at the owner's expense if it needs to be towed.
- **Wait to clear your driveway until after the snowplow goes through!!** No one likes to clear their driveway twice. There is nothing more frustrating than clearing your driveway and having it pushed back in when the plow comes through. While we all do our best to minimize plowing in a resident's driveway, there is one place we must push snow and that is on the side of the road.

- While clearing your driveway, sidewalk, mailbox area, use this picture to help reduce the chance of getting plowed back in.

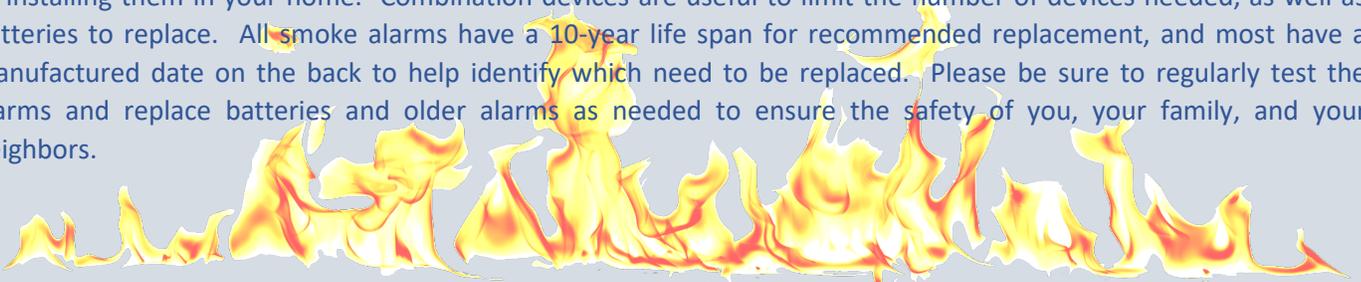


- **Do not shovel, throw, or push snow into the roadway.** Snow put on the roadway from your driveway or sidewalk can be a safety hazard and can cause an accident. Instead of putting it in the street use the picture above and pile snow with the direction of travel.
- **Be sure your mailbox and post are in good condition.** All the plow drivers do their best to not cause damage to anyone's property. However, snow coming from the plow of a truck driving down the road can easily bring down mailboxes and posts. The bigger the mailbox the more likely they are to break. The Township policy regarding mailboxes is simple, if we damage the box with the truck or plow, we will make necessary repairs or reimburse the property owner up to \$50. However, if the damage is caused by the snow coming from the plow the property owner/ resident is responsible for the repairs.
- **Place reflective driveway markers one foot from the edge of the roadway to minimize damage from snowplows.** The spacing depends on the object you are trying to mark. A straight front yard can be spaced out a little further than if you live on a curve. Other items that are beneficial to mark are fire hydrants, utility boxes, and inlet grates.

## CODES CORNER

By Chris Adamek, Zoning & Codes Official

Smoke and carbon monoxide alarms are extremely important to life safety, and they save lives! Smoke alarms should be placed on each floor of your home and inside of each bedroom. Carbon monoxide alarms should be installed in the immediate vicinity of all fossil fuel burning appliances, and in the hallway outside of bedrooms. Whether they are hardwired with a battery back-up or solely battery operated, proper installation, maintenance, and location may be all that stands between you and tragedy. There are many different devices on the market, and while all devices function similarly, they may have different installation instructions so be sure to read the directions prior to installing them in your home. Combination devices are useful to limit the number of devices needed, as well as batteries to replace. All smoke alarms have a 10-year life span for recommended replacement, and most have a manufactured date on the back to help identify which need to be replaced. Please be sure to regularly test the alarms and replace batteries and older alarms as needed to ensure the safety of you, your family, and your neighbors.



## Child Safety Seat Inspections



The Southern Chester County Regional Police Department is excited to announce that we now offer Child Safety Seat Inspections. Officer Nicole Lantz has earned her certification as a “Child Safety Seat Technician” and is now authorized to check all types of child safety seats to ensure that they are installed properly. Safety checks are held by appointment only and can be arranged by submitting a request via the following website.

### [Car Seat Inspection Request](#)

Please allow for about one hour for the comprehensive inspection and remember to bring along the vehicle owner’s manual and the safety seat instruction booklet.

### ***American Academy of Pediatrics Child Passenger Safety Recommendations***

The policy statement is clear and concise as it encourages slowing the transition from one child restraint type to the next. It does this with five best practice recommendations:

1. “All infants and toddlers should ride in a rear-facing car safety seat (CSS) until they are 2 years of age or until they reach the highest weight or height allowed by the manufacturer of their CSS.”
2. “All children 2 years or older, or those younger than 2 years who have outgrown the rear-facing weight or height limit for their CSS, should use a forward-facing CSS with a harness for as long as possible, up to the highest weight or height allowed by the manufacturer of their CSS.”
3. “All children whose weight or height is above the forward-facing limit for their CSS should use a belt-positioning-booster until the vehicle lap-and-shoulder seat belt fits properly, typically when they have reached 4 feet 9 inches in height and are between 8 and 12 years of age.”
4. “When children are old enough and large enough to use the vehicle seat belt alone, they should always use lap-and-shoulder seat belts for optimal protection.”
5. “All children younger than 13 years of age should be restrained in the rear seats of vehicles for optimal protection.”

A large number of child restraints with high-weight harnesses and taller seatbacks have been available for some time in the U.S. market. Parents may have already purchased a high-weight harness seat without realizing the true benefit of it.



# AIRPORT NEWS

**N57-** Not just an airport, also a destination.

## Learn To Fly

Visit New Garden Flight Connection for information on what it takes to become a pilot.

**Gift certificates available.**

[www.newgardenflightconnection.com](http://www.newgardenflightconnection.com)

**AVGAS 100LL - \$5.10/gal**

## STAY ALERT- POTUS TFR

As we all know by now, N57 falls within the inner circle of the Presidential TFR. **Make sure you check NOTAMS before you fly.** 1-800-WX-BRIEF.

We do our best to make notifications as soon as we hear the President will be coming to the area. To keep informed make sure your LIKE



## Future Aviators 2021 RECAP

### Aviation exposure Summer Camp @ N57.

After having to cancel our Future Aviators Program for 2020 due to the COVID pandemic, we were thrilled to get things back on track this summer. It's hard to believe this was the 12th year of our program! We are thrilled to report not only did we have camp again this year, it was also very well attended with 185 campers from all over the United States.

**We even had a camper from Switzerland this year!**

**Many smiling faces and good times surrounded by Aviation at New Garden Flying Field.**





**Farewell to line crew Thomas and Connor.**

.....  
If you have been around the airport over the last 5+ years these two individuals should look familiar. Both Thomas and Connor have been around N57 for many years both starting out as a Future Aviator. After aging out of camp they joined the Airport Team working weekends as line crew. Both Thomas and Connor have now graduated and are headed off to college. They both will be pursuing their aviation Interests. Thomas now a CFI is attending the University of Delaware and Connor is headed to the Pennsylvania College of Technology pursuing a degree in Aviation Maintenance. We will miss both of them around N57 but look forward to watching them excel with their aviation interests.



JJ, Connor, Thomas, Madison  
**EAA Oshkosh 2021**

**Airport Construction Projects Update**

**New Public Waterline**

Most recently the airport has received a grant from the Department of Community and Economic Development for the construction of a public water service into the facility. Fidelity Contracting LLC from Elverson PA secured the bid (\$308,945.00) to complete this project. The 8" water main, new onsite fire hydrants, valves and meter pit have currently been installed. The remainder of the work, to be completed by Chester Water Authority, consists of connecting the service along Newark Road into the new meter pit. This work is expected to be completed in the next week.

**PROJECTS BEING PREPARED FOR ADVERTISING**

**NEW UNDERGROUND ELECTRICAL SERVICE**

This work will consist of a new underground primary electrical service into the Airport to provide reliable continuous power to the electrical vault and runway edge lighting system.

**PAPI**

Installation of a new LED Precision Approach Path Indicators (PAPI) on Runway 6 and 24 to enhance safety. This indicator provides a beneficial visual approach slope guidance while helping the pilot maintain a safe distance above hazardous objects. A standard 2-box L-881 PAPI will be installed on the right side of the runway if approaching 24 and on the left side when approaching 06.

**REIL**

The installation of LED Runway End Identifier Lights (REILS) on Runways 06 and 24. This will increase the pilot awareness of the physical Runway End.

**OBSTRUCTION DWELLING REMOVAL**

This work element was identified on a compliance inspection letter from the FAA, dated October 4, 2017, and it was agreed as part of this correspondence that the residence be vacated within two years and the building demolished pursuant to FAA policy on keeping the Runway Protection Zone (RPZ) cleared to protect people and property on the ground.



10/1/21



**Jonathan Martin**  
Aviation Director  
A&P IA, CFI



**Tami Gagnon**  
Aviation Assistant



**Scotty Gagnon**  
Assistant Maintenance &  
Avionics Director



**Jen Torres**  
Maintenance Admin



**Bruce Roberts**  
Aircraft Inspector



**Chuck Shipman**  
Restoration Manager



**Chris Coburn**  
Restoration Specialist



**Bill Shoenfelt**  
Mechanic Assistant



**Robert Crossan**  
Aircraft/Avionic Tech



**Mike Macario**  
Aircraft Inspector

## ***MEET OUR AIRPORT TEAM***

# FUTURE AVIATORS



## NEW GARDEN FLYING FIELD





# Where are they now?

*We like to hear from our past Future Aviators on where their aviation interests have taken them. **CHECK THIS OUT!!!***



**Joe Pitts is now graduating from F16 school in the United States Air Force.**

*Joe Pitts sent the Airport this amazing flag display and certificate. **It reads- This Flag was flown on 11 August 2021 aboard Slay 32, an 8th Fighter Squadron F-16C. Slay flight employed the M61 20MM Vulcan Cannon on the Centennial Range in Southern New Mexico. This certificate is presented to New Garden Flying Field. Signed Joe 'Funke' Pitts. "Fighter Pilot".***

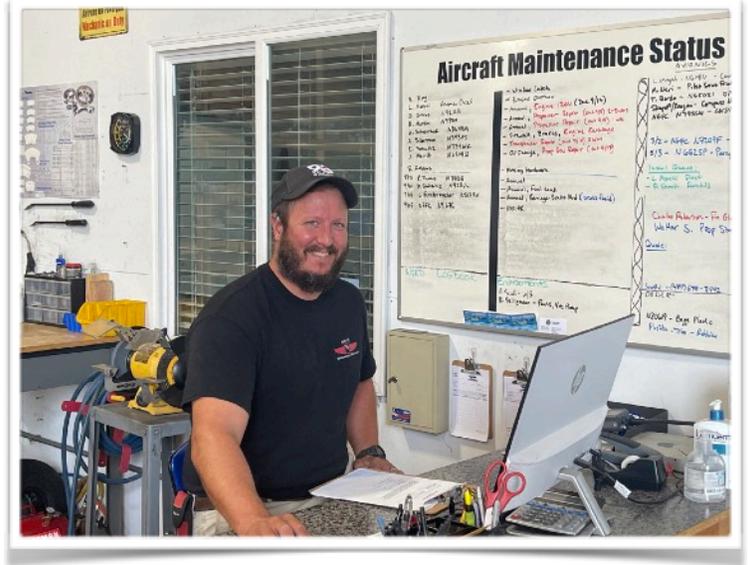
*Joe Funke Pitts on behalf of N57 we are honored to have received this and will display it proudly in the Aviation Center for all to enjoy. We are so proud of you and your accomplishments. Onward 'Funke', keep it up!*



## New Garden Flying Field Maintenance Department

*Our goal is to create long term relationships with our aviation customers based on trust, reliability, safety and unparalleled customer service. We are here to help you with all your aviation maintenance needs and look forward to working with you now and in the future.*

**To schedule an appointment please call 610-476-1702 and talk with Tami.**



To Schedule  
Call 610-268-2619

**\$20.00 Off**  
**OIL CHANGE**



*Oil change coupon good through November 15th.*

New N57 hats available in the Aviation Center  
\$20

**Check out New Garden Flying Field on FaceBook. Follow us today!**



# 2021 Municipal Election

Chris Robinson

Due to the ongoing Covid-19 health guards, the 2021 Municipal Election on November 2<sup>nd</sup> will follow the same precautions implemented in the recent Primary Election. These include wearing a face mask, providing social distance and regular sanitizing of voting booths and other safety measures for voters and poll workers. Positions on the ballot are: **State:** Judge of the Supreme Court, Judge of the Superior Court, and Judge of the Commonwealth Court. **Chester County:** Court of Common Pleas, Treasurer, Controller, Coroner, and Clerk of Courts. **New Garden:** Supervisor(2), Auditor, Constable, Judge of Elections, Majority & Minority Inspector of Elections. Candidates Edward "Ted" Gallivan, Jr., Michael Loftus, Dinamarie Vannover and Troy Wildrick are running for the two Township Supervisor positions. For up to date ballot information go to [www.chesco.org/156/Voter-Services](http://www.chesco.org/156/Voter-Services). Last day voter registration is October 18<sup>th</sup>.

There are three Election Boards in New Garden Township serving three respective precincts each containing a polling station (where to vote). There are about 2,300 registered voters in each precinct. Referring to the map, Precinct 385 serves the north part of the Township where its [registered voters](#) vote in the Bancroft Elementary School. Precinct

**Where to Vote in New Garden Township**

**VOTE**  
**Tuesday**  
**November 2nd**  
**7AM - 8PM**

**Instructions**

- 1) Locate where you live.
- 2) Note the Precinct number of the colored area.
- 3) Match the Precinct number with the Voting Station (star) symbol to locate its polling place.

Legend:

- NG North Precinct 385
- NG South 1 Precinct 390
- NG South 2 Precinct 391

★ Voting Station for Precinct 385  
BANCROFT ELEM. SCHOOL, 181 BANCROFT ROAD

★ Voting Station for Precinct 391  
KENNETT MIDDLE SCHOOL, 185 SUNNY DELL ROAD

★ Voting Station for Precinct 390  
NEW GARDEN TOWNSHIP BUILDING, 288 STARR ROAD

Streams  
Roads

390 serves the middle part where the Township building houses its polling station. Precinct 391 serves the southern portion of the Township, the Kennett Middle School provides the polling station for its residents.

[Election Boards](#) are managed by three elected officials and “clerks” (volunteers). Three elected positions are Judge of Elections, Majority Inspector and Minority Inspector. If an Inspector isn’t present or available then the Judge selects one. Inspectors and clerks operate the voting machines, record the voter’s name and account for the ballots cast. The day is long for the board members, some attending the polling station for the entire day. Setup is 6AM. Voting begins at 7AM and closes 8PM sharp. Then, depending on the number of ballots cast that day, the polling tasks take another one-two hours counting ballots, tabulating the vote and then two members deliver the ballots to West Chester Voter Services. Members of the Election Board are compensated for their duties.

Nearly 27% of all registered voters participated in the May 2021 Primary Election. A higher participation is anticipated for the 2021 Election but not nearly as high as the Presidential Election (70-80%). Mail-in ballots will reduce the in-person voting at polling stations - 49% of

total ballots cast for the 2021 May Primary were mail-in. Deadline for mail-in application is October 26<sup>th</sup>. For more information go to [www.votespa.com/Voting-in-PA/Pages/Mail-and-Absentee-Ballot.aspx](http://www.votespa.com/Voting-in-PA/Pages/Mail-and-Absentee-Ballot.aspx)

Consider volunteering for your Election Board. To apply talk with your precinct’s Judge of Election the next time you vote. Or, go to [www.chesco.org/FAQ.aspx?TID=70](http://www.chesco.org/FAQ.aspx?TID=70) for details.

## Groundbreaking for new Kennett Library



Thank you to all that came out to help us celebrate the groundbreaking for the new Kennett Library & Resource Center on Aug. 12.

We had many local, county and state officials along with U.S. Rep. Chrissy Houlahan to share in the excitement and anticipation.

“This new Kennett library will serve over 45,00 residents and what’s more is this new state-of-the-art facility will have information resources, access to technology and training for all members of our community,” Rep. Houlahan said. Adding, that her mother was a librarian, she said the importance of community libraries cannot be overstated.

The Kennett Library serves New Garden Township, as well as East Marlborough, Kennett, Newlin, Pocopson, Pennsbury and West Marlborough, along with the Borough of Kennett Square.

It serves as a literacy center for everyone from infants to seniors. In addition to the core services of any library, there are story times, in both English and Spanish to entertain and promote early literacy; there are ESL, U.S. Citizenship and GED classes. In the last two years the library helped 24 community residents become U.S. citizens.

Highlights of the new building include a 110-seat auditorium; Bayard Taylor Conference Room; children’s maker space; adult maker space; two classrooms; one multipurpose room; four tutor rooms; quiet and reflection room; computer carrels; several quiet reading areas; and an outdoor terrace.

Thanks to a core set of volunteers, many of them who came before us, we are now in the early stage of building a new Library that will serve the community for another 50 years and longer. Thanks to our donors and supporters, both past and present, the Capital Campaign has raised 60% of the \$20 million goal needed to build the state-of-the-art library and resource center.

Construction of the new building will begin this fall, with a grand opening planned for February 2023.

We are planning on launching a Community Giving Campaign in September. We will be asking for support from everyone in our service area to help make this dream a reality. You should receive a letter in the mail explaining the various giving levels and benefits. You can also check the website [www.campaign4kennettlibrary.org](http://www.campaign4kennettlibrary.org) for updates.



As Kennett Library Board of Trustee President Jeff Yetter said at the groundbreaking, “We are building this new library for the community. We all know that Kennett is a special place, and it is our hope that this new Library will enhance everyone’s quality of life, expand our dreams, increase our knowledge and help us all become better members of our ever-changing society.”

As always, we are grateful for the support of New Garden Township. We couldn’t offer our outstanding programs or build this new library without the support of our municipal partners.

## Adult Literacy Program

The Adult Literacy Program at the Kennett Library offers various levels of classes in English as a Second Language in both day and evening. There are also classes that prepare students for the tests for the high school equivalency diploma (GED) and for the American citizenship test. Contact program director Filomena Elliott to register.

¡APRENDA CON NOSOTROS!

### Clases virtuales en Zoom

#### Clases por la tarde

de 7:00 a 8:30 p.m.

Empezando la semana del 31 de agosto, 2021

CLASE	DÍA	MAESTRO/-A
Inglés principiante	martes	Maestra Filomena Elliott
Inglés intermedio	jueves	Maestra Susan Shelley
Inglés intermedio alto	martes	Maestra Lathie Gannon
Inglés avanzado	jueves	Maestro Spencer Gates
Ciudadanía	jueves	Maestra Jennifer Waite

#### Clases por la mañana

Noten el día y la hora de cada clase

Empezando la semana del 31 de agosto, 2021

CLASE	DÍA Y HORA	MAESTRO/-A
Inglés intermedio	martes, de 9:30 a 11:00 a.m.	Maestro Merwin Soash
Inglés avanzado	martes, de 10:30 a.m. a 12:00 p.m.	Maestra Jennifer Waite
GED (en inglés)	miércoles, de 10:00 a.m. a 12:00 p.m.	Maestra Jennifer Waite



Adult Literacy Program  
a kennett library initiative



Kennett Library  
Begin your journey here

Contacte a Filomena Elliott o a Lupe Ruiz

[felliott@ccls.org](mailto:felliott@ccls.org) | [lruiz@ccls.org](mailto:lruiz@ccls.org) | (610) 444-9118

LEARN WITH US!

### Virtual Classes on Zoom

#### Evening Classes

7:00 to 8:30 p.m.

Beginning the week of August 31, 2021

CLASS	CLASS DAYS	TEACHER
Beginning ESL	Tuesdays	Teacher Filomena Elliott
Intermediate ESL	Thursdays	Teacher Susan Shelley
High Intermediate ESL	Tuesdays	Teacher Lathie Gannon
Advanced ESL	Thursdays	Teacher Spencer Gates
American Citizenship	Thursdays	Teacher Jennifer Waite

#### Day Classes

Class times are in the table below

Beginning the week of August 31, 2021

CLASS	CLASS TIMES	TEACHER
Intermediate ESL	Tuesdays, 9:30 to 11:00 a.m.	Teacher Merwin Soash
Advanced ESL	Tuesdays, 10:30 a.m. to 12:00 p.m.	Teacher Jennifer Waite
GED (in English)	Wednesdays, 10:00 a.m. to 12:00 p.m.	Teacher Jennifer Waite



Adult Literacy Program  
a kennett library initiative



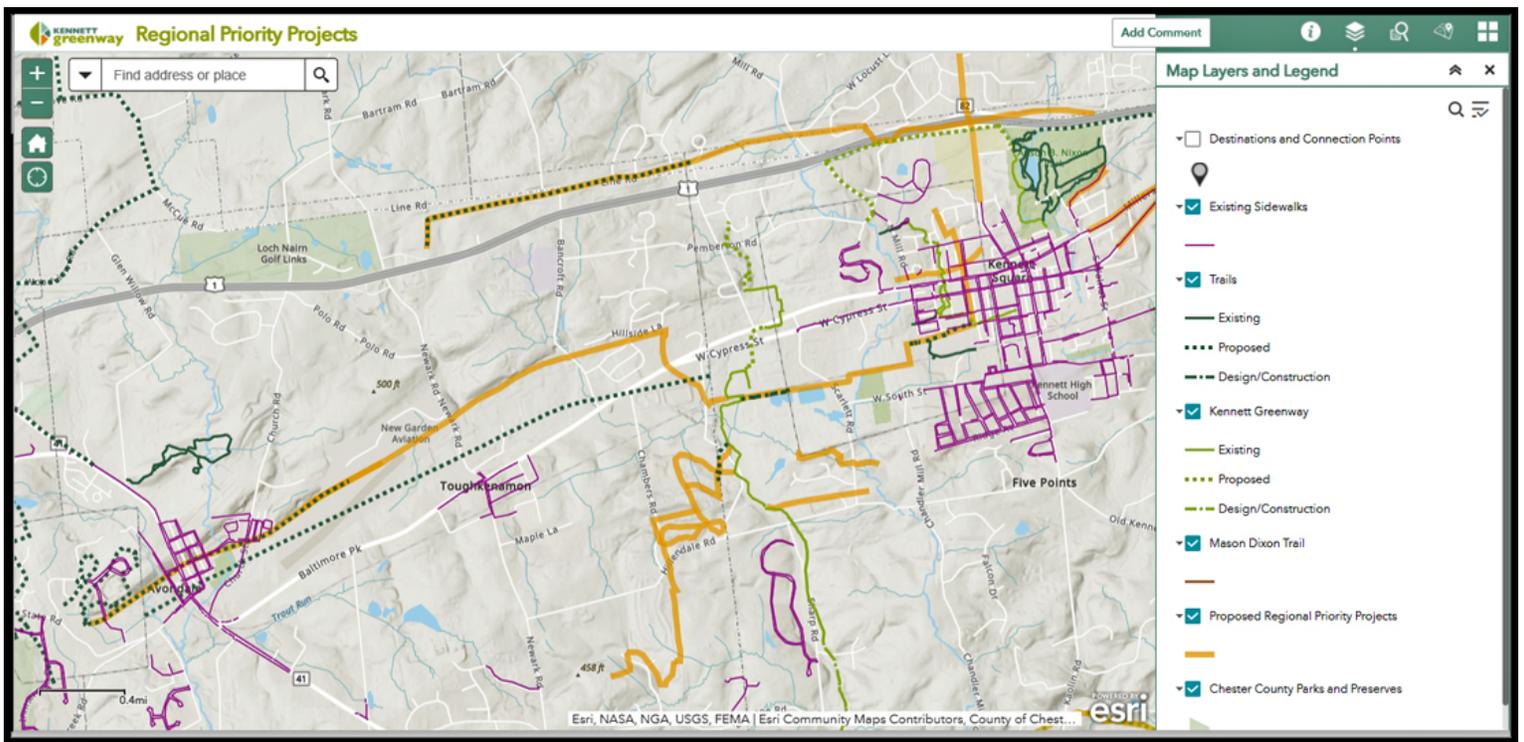
Kennett Library  
Begin your journey here

Contact Filomena Elliott or Lupe Ruiz

[felliott@ccls.org](mailto:felliott@ccls.org) | [lruiz@ccls.org](mailto:lruiz@ccls.org) | (610) 444-9118

# Trails: Regional Priority Projects Map

Keeping in step with the trails and multi-use walkway projects in Kennett Township, Kennett Square Borough and East Marlborough Township, New Garden Township and the [Friends of the New Garden Trails](#) are partnering with the [Kennett Area Regional Trail Committee](#) (KRTC) to create a well-connected and consistent regional trail network through this region. Other partners are [Bike Kennett](#), [Kennett Trails Alliance](#) and [Chester County Planning Commission](#). Furthering the KRTC's goals are providing regional planning and communication, coordinate municipal resources and talent and ensure design consistency across communities. The interactive maps (image below) show both existing trails and sidewalks and regional priority projects. These maps are available at the [Kennett Greenway website](#). Mapping was prepared by Chester County Planning Commission staff with direction from the Regional Trail Committee. Funding was provided by Square Roots Collective with in-kind support from the Chester County Planning Commission.



Trails and Preserves located in the Regional Priority Projects Map

## **Brandywine Valley Sports and Recreation - Character. Community. Commitment**

Are you interested in sports, fitness, theater and art programs? Brandywine Valley Sports and Recreation (BVSR) is for you! This community organization is providing a wide variety of superior community programs and is continuing to expand. Opening its doors this past Spring with a strong youth lacrosse program of nearly 300 children, then providing a variety of affordable summer programs including a successful Summer Adventure Camp at New Garden Park with nearly 70 families, and Summer Nights Clinics in Lacrosse, Volleyball, Basketball, and Theater for over 200 children. BVSR has seen an incredible amount of growth and community support and the organization is looking forward to expanding programming and growing the BVSR family in 2022.

In addition to popular summer programs, this Fall BVSR is offering Southern Chester County Volleyball for 4th-8th graders; F.A.S.S.T., a unique middle school fitness program highlighting topics of nutrition, body mechanics, self confidence, and strength; Kennett Area Women's Lacrosse, an adult women's lacrosse league; and Southern Chester County Basketball, a new boys and girls basketball league for 3rd through 8th graders. Visit [BVSR.org](https://www.bvsn.org) for more information on these and other exciting programs.

Brandywine Valley Sports and Recreation is a group of dedicated and like-minded individuals who have come together to support the community we live in and love. We are committed to providing programs that promote community health and connectedness, bringing together people of all ages through sports, recreation, and education activities, supported by volunteers who are united by a common goal of improving the quality of local programs for our families and community to enjoy.

It is the mission of Brandywine Valley Sports and Recreation to promote family recreation, sports, and activities for children of all ages in Southern Chester County. Our goal is to promote the development of leadership, character, sportsmanship, tolerance, discipline, athletic ability and to nurture youth and family fitness, volunteerism, and a lifelong love of an active lifestyle. We invite you to share in this vision and get involved with us today! With your help and participation, we can support and shape our community for the better.



# Invasive Species: Why You Should Care and How to Help

JULY 17, 2020 [CORINNE TRICE](#)

It is a common misconception that all non-native organisms are considered invasive species. In fact, some non-native species have valuable agricultural and medicinal uses. They are only considered invasive when they cause ecological or economic harm to their environment. The reason that this can become such a big issue is because humans are moving plant species to different regions at a much faster rate than the plants would spread through natural expansion. Most invasive species outcompete native organisms for limited resources and are capable of altering entire habitats. Not only do invasive plants degrade the quality of water and soil, but the further they spread, the more expensive it is to control them. Invasive plants have the ability to displace and kill off native species in pastures and cropland. Invasive pests can also cause major damage to a crop yield, resulting in economic loss.



Garlic Mustard Rosette – These invasive species release chemicals inhibiting the growth of nearby plant species

Lists of invasive plant species in Chester County can be found through resources like the Brandywine Conservancy, municipality ordinances, or PA DCNR. A few commonly-seen invasive species present in Chester County include garlic mustard (shown in the photo), tree-of-heaven (correlated with the spotted lanternfly), Norway maple, Canada thistle, and mile-a-minute weed.

There are several ways homeowners can take action to help control invasive species in Chester County. The easiest thing to do is to take precautions such as cleaning your boots before hiking in a new area. This prevents accidental

transporting of non-native organisms into a different habitat. It is also important to eliminate the introduction of non-native species like exotic houseplants or aquarium pets into the outside environment. Buying native species, especially for landscaping purposes, is an effective way to reduce the spread of invasive species. It is important to be educated on native alternatives and have a conversation with your landscaper about the types of species you want on your property.

Lastly, early detection and rapid response is key to limiting Chester County's invasive species and reducing the cost of controls. It is crucial to first familiarize yourself with plant species, what to look for, and how to dispose of invasive species properly if you choose to remove plants from your property on your own. A great way to have an impact is to volunteer with organizations and conservancies that hold invasive plant management projects. There are volunteer days dedicated to manually removing invasive plants, and even pests like the spotted lanternfly, in local parks and wildlife areas. You can report sightings to the Chester County Penn State Extension Office and find more information through DCNR and PA Department of Agriculture.

Content provided by:



Cori Trice  
Watershed Coordinator  
[Chester County Conservation District](#)



## Food Donations

We are excited to announce our food donation location has returned to **KACS**. Beginning May 24, 2021 we will be accepting ALL food donations at the **Kennett Food Cupboard** on Monday's between 9am & 4pm. Your generosity is greatly appreciated!

### Current food list needed:

- **Jelly** (*strawberry and grape*)
- **2lb. bags of rice**
- **2lb. bags of dried beans** (*pinto, black*)
- **Canned Fruit**
- **Cereal**
- **Cooking Oil**
- **Broth/Stock**
- **Canned Tuna/Chicken/ Deviled Ham**
- **Peanut Butter**
- **Canned Vegetables** (*corn, mixed vegetables, tomatoes*) (*low sodium*)
- **Nescafe** (*instant coffee*)/ **Coffee and Tea**
- **Flour/Maseca**
- **Mayo/Ketchup/Mustard/Valentina Sauce**
- **Tortillas**
- **Sugar**
- **Salt**

# MUSHROOM PHORID FLY INFESTATIONS IN MUSHROOM FARMS AND SURROUNDING NEIGHBORHOODS

## AN UPDATE FOR HOMEOWNERS

STEVE WILLIAMS | PENN STATE EXTENSION

Pennsylvania mushroom farms lead the nation in domestic production of mushrooms. The mushroom phorid fly, *Megaselia halterata*, continues to threaten the mushroom farming industry by vectoring fungal diseases and reducing the yields of the crop. Individual farms experience hundreds of thousands of dollars in losses due to mushroom phorid flies. In recent years, mushroom phorid flies have become a significant public nuisance in residential areas in parts of Pennsylvania, Delaware, and Maryland. The Penn State Department of Entomology has been researching mushroom phorid fly biology to develop effective methods of control for this pest.

## What are mushroom phorid flies?

Mushroom phorid flies are pests of mushroom crops. The adult flies are short-lived and do not eat. The life cycle of a phorid fly has four distinct life stages: egg, larva, pupa, and adult. The adult stage is short-lived—they mate, lay eggs, and die. Adult flies do not feed, although they need high humidity to survive. Mated adult females lay eggs in mushroom compost with well-developed mycelium. The larvae hatch from the eggs within a few days and feed on the actively growing mycelium; this is the only life stage that actually feeds. The larvae pupate in the compost, and adult flies emerge approximately 20 to 30 days after the eggs were laid.

## How can I tell if a fly is a mushroom phorid fly?

Mushroom phorid flies are very small, usually between 1/64 and 1/8 inch long (Figure 1). They have a steep arch or humped back behind their head. Mushroom phorid fly eyes are dark, not red like fruit fly eyes. Finally, mushroom phorid flies have the distinct odor of anise.

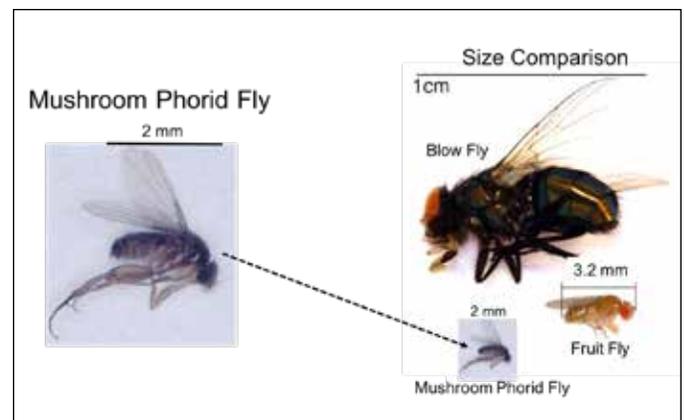


Figure 1. Size comparison of mushroom phorid flies with other common house flies. Mushroom phorid fly photo courtesy of the Penn State Mushroom Fly Research Team, blow fly photo as appeared in Reibe and Madea (2010), fruit fly photo as appeared in Klok and Harrison (2008).



PennState Extension

## Why are mushroom phorid flies a problem?

Mushroom farmers have limited control options for mushroom phorid flies because the most effective pesticide, diazinon, is no longer approved for use on mushroom farms. Since then, Penn State has been performing laboratory and field experiments to identify alternative effective insecticides and novel control methods to manage this pest.

## Are phorid flies a health concern?

Phorid flies are a nuisance pest, but they are *not* a health concern. They do not sting, bite, or vector human diseases.

## Why are mushroom phorid flies in my home?

If you are experiencing mushroom phorid fly invasions, you are not alone. Mushroom phorid flies have invaded more than 150 neighborhoods covering 242 square miles. Mushroom phorid adults fly around mushroom farms to find the growing rooms with the most actively growing mycelia. Some of these flies get blown by the wind from the farms into residential areas. If possible, the mushroom phorids will return to the mushroom farms. However, not all of the flies can make it back to the mushroom farms, and seek refuge in homes. It is currently unknown why flies invade some homes and not others. Further research is necessary to understand these behaviors. Away from the cool, humid environment inside mushroom growing rooms, adult mushroom phorid flies can only live for three to five days. At temperatures above

75°F, adult flies cannot survive for more than three days, and their survival is even shorter than three days at low humidity (below 60 percent). As a result, when flies enter homes, they are likely to die within two or three days.

## Can mushroom phorids reproduce in my home?

They do not reproduce in homes because there is no actively growing mycelia. For the same reason, they do not live in home drains, mulch, or yards. They can mate and lay eggs in residential neighborhoods, but the larvae cannot develop into adults because there is very little actively growing mycelia. This is why we classify the mushroom phorid populations in homes as “invasions” rather than “infestations.” Studies conducted at Penn State showed that gravid female flies seek out compost that has well-established mycelial growth for egg laying, and avoid laying eggs where there is little detectable fungal mycelium. Even when gravid females are forced to lay eggs where fungal mycelium is absent, the larvae that hatch cannot develop. Similarly, larvae emerging from eggs laid in compost with less-well-established mycelium develop more slowly than those in well-established mycelium.

## Are the mushroom stumps and compost waste seen outside mushroom farms contributing to the fly problem?

No. Penn State conducted specific studies to test this and determined that larvae cannot grow in or on mushrooms, mushroom stumps, or steamed (spent) mushroom compost.



Figure 2. Mushroom phorid flies on a sticky trap on a window. Photo courtesy of Christy Conley.

## **I see phorid flies swarming over lawns and mulch. Do they live and reproduce in these areas?**

While it is true that adult flies are frequently seen swarming over lawns and grassy areas, they are most likely taking advantage of the localized humidity provided by these areas. Even if eggs are laid in grass, there isn't enough mycelium to sustain larval development. The Harrogate community conducted a detailed study on this and confirmed that no adults emerged from turf samples.

## **Which farm is responsible for the flies in my home?**

The wind is capable of transporting adult flies over a number of miles, so the flies invading your home may not be from the closest mushroom farm.

## **What attracts mushroom phorid fly adults?**

Mushroom phorid flies are attracted to both ultraviolet and natural light. Some wavelengths of light may be more attractive to the phorids, and research is ongoing to further understand their attraction to light. Additionally, like many insects, mushroom phorid flies have a strong behavioral tendency to walk upward on vertical surfaces. That is why they are often found on the second floor and in the attics of homes. Finally, since mushroom phorid flies are prone to desiccation (drying out), they tend to accumulate in areas of high humidity, like bathrooms.

## **When are mushroom phorid flies at their peak populations?**

Mushroom phorid fly populations are reduced significantly during the winter as the cold temperatures kill off the adults attempting to travel outside between mushroom growing rooms. Mushroom phorid fly populations begin to build when outside temperatures allow for flight between growing rooms. Fly populations reach their peak on farms between September and October. Outside temperature and humidity conditions in the fall (cooler, more humid) also increase the longevity of adults outside the mushroom growing rooms. This contributes to the increase in fly populations in neighborhoods during this period. Unseasonably mild winters kill off fewer flies, which can result in larger numbers of flies reproducing earlier in the season and therefore lead to uncontrollable populations.



Figure 3. Mushroom phorid flies on a light trap. *Anonymous*

## **When are mushroom phorid flies most active?**

Mushroom phorid flies are crepuscular, meaning they are most active during dawn and dusk. It is still unknown at what time of day the flies are entering homes.

## **What can I do to reduce the mushroom phorid fly populations in my home?**

While exclusion is very difficult, it is the most effective way to reduce the mushroom phorid fly populations in your home. Whenever possible, close windows, doors, and other openings to the outside. Additionally, close blinds at night to hide the light from them. Vacuuming the flies that gather in bathrooms and windows is an effective solution. Additionally, sticky traps on windows (Figure 2) and light traps in homes (Figure 3) may also help reduce populations. Chemical insecticides are not recommended since flies that do gain entry to homes usually die within two to three days without any intervention. Furthermore, the use of chemical insecticides

that are not labeled for phorid fly control in homes could be extremely hazardous to residents' health. Always follow label directions when using chemical insecticides, even if they are labeled for in-home use.

## What is being done to solve this problem?

Scientists on the mushroom fly research team at Penn State have been making significant advances in reducing mushroom phorid fly populations on mushroom farms, which will lead to fewer flies invading homes. This research is being supported by funding from the U.S. Department of Agriculture, Pennsylvania Department of Agriculture, and Giorgi Mushroom Company. Novel on-farm control methods have shown great promise, nearly eliminating all flies on test farms. These methods are being expanded to more farms in 2021.

## Where can I get more information?

Mushroom Fly Hotline: **833-574-6743**

Call the hotline to report an invasion or to receive the most accurate up-to-date information.

Phorid Fly Invasion Map: [https://www.google.com/maps/d/viewer?mid=1LlfBSQ5sgvBHysG0buu3cYfTKziz011\\_&usp=sharing](https://www.google.com/maps/d/viewer?mid=1LlfBSQ5sgvBHysG0buu3cYfTKziz011_&usp=sharing)

Note: Addresses on this map are approximate and pins do not reflect homes that are experiencing invasions. Pins have been placed randomly to depict a reported area or neighborhood.

Informational Session on Mushroom Phorid Flies:  
<https://www.youtube.com/watch?v=laITidv8vWM>  
Hosted by Rep. Christina Sappey and the Pennsylvania Secretary of Agriculture.

Webinar on Mushroom Phorid Flies—Overview of Management Strategies for Mushroom Phorid Flies:  
<https://extension.psu.edu/overview-of-management-strategies-for-mushroom-phorid-flies>  
Hosted by Penn State Extension.

## References

- Klok, C., and J. Harrison. 2008. "Atmospheric hypoxia limits selection for large body size in insects." *Nat Pre*. <https://doi.org/10.1038/npre.2008.1831.1>.
- Reibe, S., and B. Madea. 2010. "How promptly do blowflies colonise fresh carcasses? A study comparing indoor with outdoor locations." *Forensic Sci Int*. 195 (1–3): 52–57. <https://doi.org/10.1016/j.forsciint.2009.11.009>.

Prepared by Dr. Michael Wolfin, Dr. Nina Jenkins, Dr. Tom Baker, and Maria Gorgo-Gourovitch.

This publication was funded by Pennsylvania Department of Agriculture grant "Innovative Phorid Fly Research and Extension Outreach Efforts Advancing Awareness of Integrated Pest Management (IPM) and Organic Solutions by the Pennsylvania Mushroom Industry and Surrounding Urban Communities."

## extension.psu.edu

Penn State College of Agricultural Sciences research and extension programs are funded in part by Pennsylvania counties, the Commonwealth of Pennsylvania, and the U.S. Department of Agriculture.

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Code 6096 1M08/21mpc

# Used Bicycle & Sewing Machine Drive (RAIN or SHINE)

Sunday October 24, 2021  
12 pm – 3 pm

Chester County Solid Waste Authority  
7224 Division Highway  
Narvon, PA 17555

We're collecting adult & kids' bikes and sewing machines to send to Thailand, Albania, Tanzania, and Guatemala. Do your part to put used bikes and sewing machines to good use in the developing world.

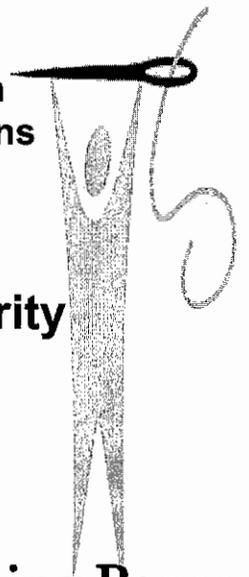
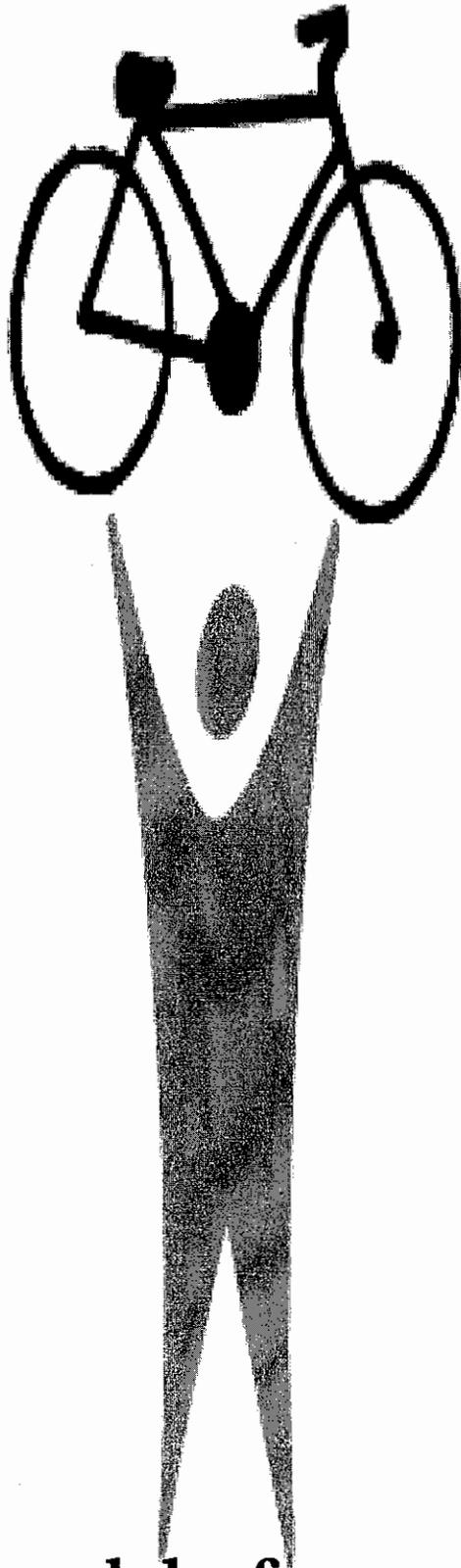
Bikes should be rust free. No children's trikes, but bikes with flat tires in need of some repair are accepted. Portable sewing machines should be in working condition.

**A donation toward shipping costs is necessary for our continued success (suggested \$20 per donated item, minimum \$10). All material and monetary contributions are tax deductible and a receipt will be provided on site.**

SPONSORED BY:

**Chester County Solid Waste Authority**

For more information contact:  
**Patti Lynn (484) 796-4039**  
[plynn@chestercswa.org](mailto:plynn@chestercswa.org)



**pedals for progress™**

Putting used bikes to good use™

[www.p4p.org](http://www.p4p.org) -- [lori@p4p.org](mailto:lori@p4p.org) -- 908-638-8893

**Sewing Peace**



PO Box 312, 86 E Main St., High Bridge, NJ 08829  
www.p4p.org lori@p4p.org (908) 638-8893

Pedals for Progress/Sewing Peace, in its continuing effort to recycle unwanted items properly, is having a used bike and sewing machine collection sponsored by **Chester County Solid Waste Authority.**

Anyone with an adult or child's bicycle in repairable condition is urged to donate his or her bike to this worthy cause. We do not accept "bikes for parts" or disassembled bikes. We also accept working portable sewing machines and sewing notions (no fabric, please).

**Bikes and sewing machines can be dropped off from 12 pm to 3 pm on Sunday October 24, 2021 - rain or shine - at Chester County Solid Waste Authority located at 7224 Division Highway, Narvon, PA 17555.**

P4P/SP collects 3,000 to 5,000 items annually and transfers this material wealth to those more needy. To date, more than 159,000 bicycles and 5,100 sewing machines have been shipped to developing countries in Latin America, Africa and Eastern Europe. In these countries the bikes are reconditioned by partner agencies and distributed at low cost to poor working adults. Bikes provide reliable transportation for commuting to work, transporting product to market, and greater mobility accessing health care and other services. Sewing machine shipments help initiate educational programs and generate income opportunities that may otherwise remain out of reach for many people. Steady employment for adults is vital to the development and success of struggling communities.

It costs \$45 to collect, process, ship, rebuild and distribute each bicycle. **A donation toward shipping costs is necessary for our continued success (suggested \$20 per bike and sewing machine, minimum \$10).** All cash and material donations are fully deductible and a receipt will be provided on site.

Pedals for Progress/Sewing Peace is a 501(c)(3) corporation and a registered charity in the states of **NJ, NY, PA, CT, VT.** Brochures explaining this innovative program will be available at the collection site. P4P seeks donations of wrenches for our overseas shops. For detailed information about our overseas projects and a current schedule of bicycle and sewing machine collections, visit our website at [www.p4p.org](http://www.p4p.org).

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