CALL TO ORDER
The September 13, 2011 Township of Derry Board of Supervisors meeting was called to order at 7:00 p.m. by Chairman E. Christopher Abruzzo.

ROLL CALL – All present.
E. Christopher Abruzzo, Chairman
Sandy A. Ballard
Kelly C. Fedeli, Vice-Chairman
Marc A. Moyer, Secretary
Todd Pagliarulo

Also Present:
Matt Bonanno, HRG, Township Engineer
Thomas Clark, Director of Public Works
Barbara S. Ellis, Director of Hershey Public Library
Chuck Emerick, Assistant Community Development
John Foley, Fire Company
Jill Horner, Assistant Township Manager
Matthew J. Mandia, Director of Parks and Recreation
James N. Negley, Township Manager/Township Treasurer
Patrick O'Rourke, Chief of Police
Terry M. Weinhold, Manager of Accounts Payable & Accounts Receivable
Jon A. Yost, Township Solicitor
Brenda Van Deursen, Recorder


Chairman Abruzzo advised that all public meetings are recorded for providing accurate minutes.

Chairman Abruzzo announced that the Board of Supervisors met in executive session to discuss land, legal, and personnel issues.

APPROVAL OF MINUTES:
Chairman Abruzzo called for a motion to approve the Minutes of the August 23, 2011, Board of Supervisors Meeting. Supervisor Ballard suggested eliminating the word “educational” in reference to the warehouse mentioned on page 3. Supervisor Pagliarulo made a motion to approve the minutes subject to the correction. Vice-Chairman Fedeli seconded. The motion carried, 5-0.
**Promotions of Timothy C. Roche from Sergeant to Lieutenant and Gregory R. Day from Detective to Detective Sergeant.**

Chairman Abruzzo gave the oaths of office to Gregory R. Day for the rank of Detective Sergeant and Timothy C. Roche for the rank of Lieutenant.

**REPORTS: STORM UPDATE**

*Patrick O’Rourke, Chief of Police –* Chief O’Rourke gave a detailed report of the events that occurred during the storm. The weather was deteriorating quickly and on the spot decisions were required. Command staff personnel and members of the Criminal Investigation section constantly monitored weather radar for threatening cells of precipitation, flood stages of the Swatara Creek and swift water run offs affecting a large percentage of the Township’s neighborhoods, roadway infrastructure and compromised utilities.

Day 1, 9/7:
- Officers were responding to calls involving subjects stuck in their vehicles with flood waters and it became necessary to close multiple roads throughout the Township.
- Officers were deployed to areas of the Township prone to flooding to observe flood water levels and to ensure the safety of the residents in these areas.
- The Cloverleaf had taken on high levels of swift running water that consumed a vehicle on the ramp eastbound on 322 to 322 West. Lt. Roche and the Chief responded to the area and met Tom Clark and Bob Piccolo from the Public Works Department who were already on sight assessing the progress of the flood waters.
- The weather was deteriorating rapidly and the Hershey Volunteer Fire Department (HVFD) was dispatched to the first boat rescue in a mobile home community on the east side of the Township.

For the events that followed, the Chief was responsible as the Incident Commander to manage this event and Lt. Tim Roche was tasked with being the Operations Section Chief. The critical steps taken are as follows:

- Lt. Roche directed two detectives to occupy the Emergency Operation Center (EOC) and activate the equipment. He instructed Sgt. Day to activate EOC and Dauphin County to notify through their emergency management agency. He contacted District Justice Pelino’s office and conveyed to every officer there for a hearing to clear their cases and return to duty immediately. He then directed Secretary Leslie Fuller to contact additional off-duty officers and one additional dispatcher to report for the influx of expected emergency activity.
- Lt. Roche dispatched Code Red Alert to the Township residents. 10,090 calls were placed, 710 e-mails were sent, and 67% of those were answered. The Police Facebook was updated with a map listing the road closures and the associated flooding.
- Requested our Derry Township School representative to occupy our EOC. EOC was notified by the school resource officer that the high school and middle school students were dismissed and that we were going to shelter and place 1600 students in the elementary school due to the flood hazards.
- The Pizza Hut on Main Street reported partial structure collapse and at the same time an officer reported by phone that her patrol car was overtaken by water while responding to a water rescue. She extricated herself and swam to safety and was later rescued.
- Sunset Drive residents were taking on heavy water (mobile home community mentioned previously).
- They used Twitter to push message feeds out to the media and to the public to advise them of the road closures.
- Hershey Medical Center notified the Derry Township Police Department that there was campus EOC activation and was attempting to send representatives to our EOC.
- At 1:53 p.m., our civilian service officer reported Park Village Plaza taking on heavy water. The businesses were evacuating and the employees of Bob Evans were trapped. This was one of the boat rescues that took place later on rescuing 10 people conducted by the Hershey Fire Department.
- At 2:14 p.m., the Township was divided into two geographical areas to ease the command of challenges they faced. He and his department spent many man hours coordinating, collecting, rescuing, etc.
- At 3:00 p.m., the Hershey Medical Center and Milton Hershey School reported the inability to staff our EOC due to the flooding. They were unable to get to the police station. Sgt. Singiser at the same time was unable to reach the station so he was deployed to the HMC to staff their EOC as the liaison between the Police Department and the hospital.
- At 6:30 p.m., we were instructed to participate in a conference call with the Dauphin County Emergency Operations Center. While in this conference call, we began receiving text messages from the command staff occupying the EOC that they were taking on heavy water in the basement. By 8:00 p.m., the EOC was overtaken with water and we had to relocate the EOC to the second floor. From 8:00 p.m. to midnight, the Dauphin County Communications personnel were on scene removing radio equipment from the basement subject to the flood waters. Public Works and Hershey Volunteer Fire Department (HVFD) were on the scene conducting deflooding pump operations.

Day 2, 9/8:
- In the early morning hours 3:00 a.m., it was reported the radio room had been overtaken with water and the power was shut down to the basement. As a result of losing dispatch operations, we deployed our mobile command vehicle to the Hotel Hershey as an alternate site in preparation for a total systems failure.
- At 9:00 a.m., it was reported that the building power, voice data, and other utilities would likely be lost. At 9:30 a.m., the water was encroaching into the first floor of the Police Department (PD) rapidly and the personnel on duty and off duty rallied to the first floor of the structure for recovery of equipment, weapons, uniforms, and relocated police vehicles to the upper level parking lot.
- From 9:00 to 11:00 a.m., we had a transfer of communications, EOC and patrol operations to the Township Administration building, which became the hub of the EOC and patrol operations.
- At 10:00 a.m., they participated with another conference call with Dauphin County Emergency Management Agency. This happened every day at 10:00 a.m. and 2:00 p.m.
- At 6:00 p.m., all PD utilities were shut down and the PD building had to be abandoned.
- At 7:00 p.m., Derry Township Police special order was issued governing relocation contingency of operations pertaining to the RMS evidence collection and prison and processing. Our communications were put into effect at the Hotel Hershey.
- At 8:00 p.m. on Thursday, the EOC determined that the Swatara Creek had crested at 26.8 feet and the creek was beginning to recede.
Day 3, 9/9:
- 8:00 a.m. to 12 noon, waters were slowly receding from the Police Department and Public Works Buildings and de-flooding pump operations began.
- Police personnel began distributing damage assessment forms to the residents and set up a sight in the police lobby to pick up those forms, fill them out, and submit to dispatch personnel.
- 6:00 p.m., Dauphin County Emergency radio techs arrived at the Police Department and set up a temporary radio based station in the Communications Center. We were attempting to locate our dispatch operations back in the original PD building.
- At 10:30 p.m., power voice was restored to floors 1, 2 and 3 of the police building and the air was running.

Day 4, 9/10:
- The South-Central Counter Terrorism Task Force dispatched two members of their emergency management team to assist with resource requests, damage assessments, and documentation for flooding purposes. The Derry Township police command staff attended multiple meetings facilitating damage assessments and relocation to the police building.
- As a result of the flood waters and the communication towers going down, patrols out in the field were reporting diminishing communications capabilities.
- At 11:30 a.m., the EOC submitted a request to Dauphin County for fire apparatus, fire personnel, and water pumps to assist HVFD who were so desperately strapped during these times.
- A restoration company also arrived during this time period.

Day 5, 9/11:
- The police department command staff and the Township Board of Supervisors discussed communications issues with executives from the Dauphin County Emergency Management Agency.
- At 12:00 noon, EOC submitted a request for diesel refueling trucks for the Derry Township Municipal Authority Recovery Operations. Six National Guard units with vehicles arrived in Hershey on Monday at 4:00 p.m.
- On Sunday, at 3:00 p.m., the Police Command staff conducted a staff meeting of all sergeants and records personnel. We increased our manpower on the street for both control and communications personnel due to the status of our radio communications. This was done for an officer safety issue.
- At 2:30 p.m., we requested water and meals ready to eat (MRE) from Dauphin County Emergency Management Agency for the public and the PA Emergency Management Agency delivered those resources on Monday at 7:00 p.m.

Day 6, 9/12:
- At 2:00 p.m., the EOC requested two national guards’ personnel for overnight area security operations on Fiddlers Elbow Road. This was a result of the Chief and Lt. Roche meeting with the residents out there. There definitely were security issues. In addition, bottled water and MREs were provided to these residents.

Day 7, 9/13:
- After securing 3,000 units of water and several hundred MREs, we deployed our police personnel to the street and they were delivering water, MREs, etc. to the afflicted areas.
The current status of the Derry Township Police Department: Basement is in ruins, water went into the ceiling and up two levels of steps into the first floor level where there were three feet of water. It damaged the fire arms room, locker rooms, storage room, evidence facility, and the holding cells. They are currently ripping out the carpeting, drywall, flooring and running dehumidifiers; however, they are making significant progress.

Throughout the duration of this event and continuing on to today, we have kept the public informed by providing information to the community and beyond through the continued use of Code Red and social media. Our priority was to push as much information out to the community as was possible in an effort to keep them well informed and to ease their attention and fears. As previously mentioned, multiple Code Red messages were sent out throughout the course of the event.

Information blitzes were also conducted through the use of Twitter, the Derry Township Police Facebook page, and a Google pin map developed by Det. Matt Dotts which plotted severe flooding, active road closures, etc. Members of the Township as well as those outside of our community utilized this map. As of Monday evening, we had 243 followers on Twitter, 2,141 members on Facebook, and over 12,800 hits from those who followed the Google map.

Chief O'Rourke said he was deeply indebted to the members of the Police Department for their commitment and resolve to ensure that police services were never interrupted to the community. They held their heads high and maintained a positive attitude to deliver the best police service possible to the community.

The Chief acknowledged the public’s support and well wishes that began early in the flood event and continued to this day. Members of the community dropped off cooked meals, baked goods, flowers, and even cards. Business owners delivered food and the Hershey Company delivered candy. Residents, business owners, and previous members of the Board of Supervisors either called or came to say thank you.

The Chief also acknowledged the contributions of the Township Manager and the members of the Board of Supervisors. They were here every day not only in an advisory capacity, but many of them took on roles and responsibilities that reduced the burden on the members of the police department. He commended them for their quick action, compassion, and commitment to the residents of the best community of the Commonwealth of Pennsylvania.

John Foley, Hershey Volunteer Fire Department (HVFD)
The Fire Department watches the weather patterns. Whenever there is severe weather we are in constant communication to understand who is in town and who is not. We are a 100% volunteer organization. He reported the following:

- The events for HVFD began shortly after 8:00 a.m. On Wednesday morning and began escalating about 10:30 a.m.
- By 11 or 12:00, they had a very large contingent of firefighters gathering in the station as our call volume grew.
- The most significant call at that point began around 12:20 when they learned the students were being dismissed early from school. One of our members said he advised his daughter and the three girls she was transporting to arrive at the fire station to assure that they got home safely.
• There was a heightened sense of urgency that we needed to be prepared to react. It went from planning to reacting and from evacuation to rescue. Everything from that point forward became a rescue.

• Moments after we discovered the school district was going to be dismissing, we were dispatched to Elm & Valley where they discovered three students submerged in a motor vehicle, 3-4 feet of water and the water level increasing. Chief 48 was successful in removing those students from the car and ushering them to a homeowner who was on their porch making sure the HVFD knew where they were. They stayed in that home until 10:30 that evening. The residents were clearly part of the support group in making sure our residents were safe.

• In a typical year, the HVFD responds anywhere from 700 to 900 calls. We are one of the busiest departments in Dauphin County. In the time frame from 9/7 to 9/11, our station was manned 24 hours a day. We were dispatched by County in addition to self-dispatching by receiving telephone calls and coming upon emergencies as they were going from one call to another. In this timeframe, there were approximately 294 dispatched calls: 196 pumping requests, 24 flooding assistance, 21 water rescues, 11 structural collapses, 4 structure fires, 1 vehicle fire, 12 odor investigations, 5 hazardous material instances, 5 electrical hazards, 8 automatic fire alarms, 3 motor vehicle accidents, and 4 general assistance. This does not count any of the calls, which we arrived upon in route to another call.

• At the Palmdale Mobile Home Park, there were 22 residents trapped by water. They had to facilitate 21 rescues via the boat in swift water, which took about 3 ½ hours to execute. We had lost two boats due to the swift water overpowering the boat motors. Those two boats were placed out of service and a request for larger boats was made. Larger boats arrived and we began rescuing residents. As the water continued to climb, Mr. Foley contacted the Derry Township School District to request buses so that they could house these residents in a safe area. In addition, he had to use the resources of Milton Hershey School with their Gators and front end loaders to assist with evacuation from the south side. At the same time, a boat from Dauphin Borough was dispatched to assist us.

• Unfortunately, the waters continued to rise and the turbulence in the water grew more aggressive. The Dauphin Borough boat capsized with six residents and three firefighters. Mr. Foley issued a Mayday call. At that point the County stops communications and everyone assists. Following that dispatch, it took approximately 20 minutes to retrieve those residents and fire fighters from the trees. This water was incredibly swift.

• Mr. Foley thanked the Police Department and Officers Bennett and Condran for their help with the rescue. During the rescue attempt, they received two separate calls for structure fires overcome with water. One was in the area of East Derry Road and Park Blvd. and the other was in the Swatara Station area of Old West Chocolate Avenue.

• While in route to one of our rescue calls, our Deputy Chief arrived in the area of Mill and Beach to find the water approximately 4 feet deep. There was a grandmother attempting to rescue her grandchildren from their home that was overcome by water. She got two of three children ashore and she went back for the third. She was not heeding our request. She was successful in getting the third child back to shore. Unfortunately, she was so weak and the water had become so swift, she was taken away by water. The Chief was successful in retrieving her from water one block down.
We had recorded around 25 saves, but we are reaching in excess of 50 individuals who have been saved. He acknowledged a loss of one resident in the Township on Grove Lane. It is very hard to deal with a loss. It is taken very seriously and they carry that burden for quite some time. Mr. Foley said without the efforts of the Police Department and the Fire Department, the loss of life would have been far more significant than the numbers reflect.

He acknowledged the support of the Police Department, neighboring departments and their boats which included Hummelstown, South Hanover Township, Dauphin Borough, Harrisburg River Rescue, New Cumberland Water Rescue, Carlisle Fire Company, Monroe Townships, and Cumberland County River Rescue. Our Company together with those companies spent more than 15 hours of continuous water rescues.

Following these rescues, our Department manned our station 24 hours a day, from Wednesday a.m. through 7:00 p.m. Saturday the 10th. Then it began all over again at 7:00 a.m. on the 11th. A number of the officers probably did not get more than 15 hours of sleep from Tuesday night until Sunday morning. On Saturday night, we had the support of Lingelstown Fire Company who sent a crew in to man our station so that our department could get the sleep that they needed.

They also learned first hand the virtues of social media. When the word went out that they didn’t have food, restaurants, residents, and children provided food and cookies. There was so much support, it is impossible to thank the community adequately.

We have received many requests for pumping and by Monday most of the basins have been pumped and are beginning to dry out.

Thomas Clark, Director of Public Works

9/5 to 9/6:
- The department ensured that the low-lying areas were inspected for debris and things that would inhibit the induction of water.

9/7:
- This continued into the early part of 9/7 at which point the rain became heavy. The staff was pulled off the streets in order to deploy traffic, traffic control devices, and barricades where they were needed on a continual basis through the rest of the day. At one point in the afternoon, movement became difficult because of traffic and the water. We had crews on the south side of Chocolate Avenue that were cutoff for a couple of hours and unable to return to the facility. When they did, all the equipment down back and to the rear of the salt building was evacuated up on the Public Works facility sight. We maintained a presence in the facility throughout the night in the event Police or Fire needed anything. We continued to move barricades as water rose and receded in various spots.

9/8:
- Dispatched to High Meadow campground to assist HVFD with a rescue.
- HRG inspected the Park Blvd. Bridge, as that was the only dry means north and south to the Township at that time.
- We deployed pumps.
- There were two sinkholes that appeared. One in Indian Run at Raleigh Road and from a Water Company patch on Linden Avenue. We experienced a mudslide on Boathouse Road.
• We contacted Goods Tree for tree removal so we could remove it when conditions allowed.
• Signals went down at Hershey Park Drive and Walton Avenue.
• At the end of the day as things got a little better, we contacted Republic Services in to assess the signal and they were very proactive.
• Electric in the EOC was shut down. Began searching for a second sweeper so when the water receded we could begin cleaning up the debris.

9/9:
• Relocated the equipment to accommodate the recycling center opening.
• Several mudslides on Swatara Avenue.
• Took care of the trees on Boathouse Road.
• A volunteer helped fill a hole on Kaylor Road that had a pretty severe washout. We lost a lane of travel there.
• Later that day, power to the remainder of the Police was shut down.
• UGI was in to inspect Mansion Road as we experienced a landslide on the west side, which exposed a 2-inch gas line. They are still assessing how to reconstruct this portion of Mansion Road.
• On Landvater Road, the water overwhelmed the inflow of the pipe and the water began to flow around the outside of the pipe thus eroding the soil under the road and around the pipe. The pipe broke at the joint and half of the road collapsed.
• Signals were tested at Hersheypark Drive and Walton Avenue and found to be functioning properly. At that time, the new equipment was installed.
• A temporary repair was made on Stoverdale Road where we experienced another pipe crossing problem that clogged and a temporary repair made to Wood Road.

9/10:
• We found three depressions on University Drive. With our department being overwhelmed, Clark contacted a contractor given the emergency situation to begin excavation to find the problem. When we excavated the pavement, we found that there were two additional sinkholes underneath. We have about 80 feet of University Drive laying open with five sinkholes in it. They are in the process of being plugged. We hope to have this road opened by the end of the week.
• The Hanover Street Bridge and the Route 39 Bridge were inspected by PennDOT. They both checked out okay. However, the problems that exist at South Hanover Street don’t allow the bridge to be opened at this time.
• Rt. 743 was inspected by PennDOT. There was some severe road damage that was fixed Saturday and Sunday.
• Bindnaugle Road came through with no major problems.
• We contacted Handwerk Materials in the afternoon to be onsite Sunday regarding University Drive.
• Fiddlers Elbow Road Bridge was also inspected. It had a large amount of debris as well as part of a structure on the deck and a full oil tank. That bridge did not pass inspection at this time. The debris remains on it as well as the trees to inhibit any traffic.
• Saturday we made the decision to open the Recycling Center until 3:00 on Sunday. We set aside an area for flood damage debris. It has worked well. We have filled about 10-12 dumpsters to-date.

9/11:
• Handwerk began to repair University Drive.
9/12:

- Moved the mudslide on Boathouse Road to the side.
- Clark met with HRG to assess Mansion Road and they are currently working on a remedy for that problem.
- We contacted York Waste to acquire additional dumpsters for the Recycling Center when we established we were going to be a flood drop off center. We have been maintaining the progress of the bulk curbside pickup, which is slow. They made their pick ups today on East Caracas, but didn’t quite get it finished. After they finish East Caracas, they will be moving in to the area of Areba and Java.
- The Department personnel made a permanent repair on Kaylor Road and we began working on the Bullfrog Valley Road shoulder. We were overwhelmed with shoulder erosion. We have an area on Bullfrog Valley Road where the inch and half overlay was lifted off for some hundred feet. We had numerous places on Hilltop, Sand Hill, and primarily Bullfrog Valley Road where the erosion of the shoulder actually has a guiderail suspended in the air and at some locations exposed to gas lines. We took care of the quickest ones first (Hilltop and Sand Hill) and now we are combining the crew because of the need for traffic control on Bullfrog Valley Road.

Mr. Clark thanked the Township Manager, Board of Supervisors, Police Department, and the Fire Company for their assistance.

Barbara S. Ellis, Director of Hershey Public Library – Ms. Ellis reported there was only a minimal amount of damage to the library. They posted the Police Department’s Google map. They had a little bit of water which was cleaned up by Thursday. They only lost 2½ days to being opened to the public.

Matthew Mandia, Director of Parks and Rec

- The Recreation Center and Granada facility are fully operational.
- The park system, bicycle and pedestrian trails were hit the hardest...most notably Bullfrog Valley Pond. We are waiting for the applicable agencies to come up with a plan for remediation.
- We will be opening the bicycle and pedestrian trails tomorrow except for a quarter of a mile section between the Stoney Run entrance road and the northern boundary of Shank Park.
- We are assisting the Derry Township School District in creating classrooms at Granada Gym for their kindergarten program as a result of the temporary shutdown of the ECC building. We are working closely with them to be up and running on Monday.

Chairman Abruzzo mentioned that Boy Scout Troop 203 contacted him to offer their assistance to do outdoor work at the different parks. He will refer them to Matt Mandia. Mr. Mandia is compiling a list of volunteers and may end up having a volunteer weekend.

Ralph Watters, Manager, Derry Township Municipal Authority (DTMA)

Wastewater designed the systems to flow from the high part of the Township down to the low. In Derry, we have 14 places where water drains and pump stations are located. In 12 of those locations, the pump stations kept operating throughout the storm event. The other two stations, which are the larger ones, Mansion Road and High Meadow campground were flooded.
Those of you who live in the southern part of the Township, the wastewater arrives at the south west plant which is in the Cloverleaf by 283 and Vine Street. That plant stayed running pretty well. Here at Clearwater (roughly 5 million gallons/day), it was under water. DTMA’s offices were wiped out. All of the electrical equipment that is necessary to pump water and to process wastewater was under water. By midnight on Wednesday, the plant was out of service. Therefore, wastewater that was still coming in filled up offices and other areas of the plant and began backing up pipelines. It is a helpless feeling to sit there and watch the plant unable to pump. As soon as the water receded from around the buildings to where our people could get in safely, they did that. We called in contractors and by Sunday, we were able to pump wastewater. Sewage is flowing again and we are able to do some sort of treatment at this point.

Because we use bacteria and other biological processes to treat the wastewater, it is going to take time to get full treatment back. We expect it by the end of the month at the latest. We have over 80 motors that had to be removed and sent out to various companies for repair. Twelve motors were returned so far.

The big transformers and electrical switch gear that bring electric to DTMA were under water. All of those will have to be disassembled and put back together. Contractors have responded.

We realize some people have experienced back up in their homes. DTMA cooperated with Community Development to get all those people on the damage list. The purpose of the first assessments is to get Derry Township on the list to qualify to receive federal aid and also to look for structural damage. Today, Derry and a number of Counties were eligible for federal disaster aid. The information is on the Township’s website to get aid for cleanup and damage to their home.

Since we are not able to get in our buildings, we have routed our main phone numbers to the Township temporarily. We have some office space downstairs of the Township Building and are able to take calls and respond to customer inquiries. Our short term plan is to get some temporary offices back at the plant site as quickly as we can. We appreciate the Township granting us office space and for the help they have given us.

Chuck Emerick, Assistant Director of Community Development

The Department of Community Development is basically tasked with permits, property maintenance, and subdivision and land developments. We are normally staffed by a director, assistant director, and two inspectors. During this event, our director is out with illness and one of our inspectors was on vacation. Despite that, on Friday, Emerick rounded up three inspectors and they did some preliminary assessments in the field. Saturday through Tuesday, he and some other inspectors, continued the assessments. They gathered the preliminary damage assessments to inform the County and Governor what level of damage we had in the Township. This was compiled with all the levels of damage within the County to show a need to qualify for aid.

We found out Saturday around 3:00 that the County needed the information to be released to the Governor’s office Sunday at 3:00. We received over 365 damage assessments. We prioritized the worst and tried to get out to inspect. We reported what we could to the County.
The Hershey Company and Milton Hershey School did a self-evaluation and provided that to us which was a huge help. The Police Department also collected the assessments.

The assessments yielded to 17 condemned properties and 34 properties posted as dangerous. The difference between the condemned and the posted dangerous is that the condemned properties have some form of structural failure and the dangerous properties are posted to inform the people that if they need to get their possessions, they can do so, but it is not safe to live there. The biggest trigger for that posting was if the electric switch box was under water.

Emerick was in three homes on East Caracas Avenue that had at least four feet of water on the first floor and the sump pumps were still running. The power was not tripped. Our inspectors are requiring the electric box be reworked with circuits, dried and cleaned for properties that were posted as dangerous. After that occurs, we will inspect the homes.

There was some confusion about the preliminary assessments that we were collecting. Those were really done to provide quick information as to what our damage was and what our needs were. Those unfortunately are not a trigger to get FEMA relief for anyone.

He acknowledged his secretarial staff that assisted with residents and collected information on Saturday and Sunday.

Chairman Abruzzo said the preliminary damage assessments were to help support the request to the President for major disaster declaration. We qualified for the disaster declaration. Every individual and business owner must contact FEMA on their website or at their contact number. Once you provide them with the information, FEMA will send an inspector out. He mentioned again that if you want money for damages you must contact FEMA. Residents who do not have electric and access to FEMA will be handed the information by Public Works. We will provide as much information as we possibly can to the residents.

Supervisor Moyer asked the media to remind the residents to apply for FEMA aid. FEMA representatives will be located at the Harrisburg East Mall on the 2nd level. PennDOT and the Department of Health will be at the FEMA site in the event you lost your driver’s license, social security cards, birth certificates, etc. He asked Asst. Mgr. Horner to put this information on our website. She had already taken care of it.

Matt Bonanno, HRG Township Engineer
He updated the Board using data from the USGS, the weather.gov web site which is preliminary and subject to change.

- In a normal year, the amount of rainfall for this time period in Dauphin County would be about 28 inches of rain. In 2011, from January 1 to today, we have experienced 57 inches of rain, an extraordinary amount. When you look at the storm, you are looking at rainfall as it falls and how it responds as far as coming off the land and creeks rising.

On Saturday, Sept. 3rd, he shared the following daily rainfall data:

- Saturday .77 inches
- Sunday 1.39 inches
- Monday 2.01 inches
- Tuesday 2.12 inches
The total rainfall experienced in Derry Township from September 3rd to September 8th was 15 inches. Mr. Bonanno said this was a very unique rainfall event. From Saturday to Monday, the storm went west to east across and when it rained it filled up the local depressions (raising the ground water table).

It is important to know that there was really no capacity for storage of this rain water that occurred on Tuesday through Thursday. He explained that if you have 15 inches of rain with everything completely dry, a lot of the water is going to soak in. When you have the situation that we experienced last week where the water would typically soak in the ground, a lot of that just ran right off into the streets and into the inlets.

The major event on Wednesday and Thursday came from south to north. It followed the boundary of the watershed. We not only saw the rainfall, but we also saw the water come back to the watershed. We had two different types of flooding events. On Wednesday, it was more of a flash flood event, and on Thursday we had more of the stream flooding event. It was the back up of the creeks that were causing the flooding on Thursday versus Wednesday when you had a local flooding on the road.

To put those numbers in perspective:
- In the most intense 15 minute period, we had .1 inches of rain fall. That equates to a 2 to a 5 year storm event.
- In the most intense 60 minutes of rain, we had 2.47 inches of rain, which equates to a 50 year rainfall event.
- In the most intense 24 hour period of rain, we had 8.33 inches and that is roughly between a 160 and 200 year rain event.

Back in 1972 with Agnes, this area had between 8 and 10 inches in 24 hours.

Information on Swatara Creek:
- There is a stream gauge on Rt. 39 on Swatara Creek. The previous record on that gauge was 16.1 feet, which occurred back in 2006. On Thursday at around 9:00 p.m., the gauge crested at 26.8 feet. The flooding stage is at 7 feet. This gauge was not in service during Agnes. This gauge started in 1975.
- As far as the flow into the creek itself, on September 1st there was about 1,000 cubic feet per second. When the stream crested, it went from 1,000 up to 72,000.
- On Thursday at the roofline of the United Water Treatment Plant on Duke Street, there is a marker of where Agnes was. At 9:00 a.m., the water was about 3 feet below that mark. The Swatara did not crest until about 9:00 p.m. that night. From that time period, the creek rose about 2.6 feet. That water level was pretty close to where Agnes was.
- There was no return period for the Swatara Creek in the data that he found.

He said it is important to know that a 100-year storm does not mean it will happen once in 100 years. You can have multiple 100-year storms back-to-back years. What a 100 year storm means is that for any given year, there is a 1% chance that storm will happen this year. Within 40 years (from Agnes), we have had two extreme events.

VISITOR/PUBLIC COMMENT:
Dr. Richard Faidley, 42 Forest Avenue, Hershey
Dr. Faidley thanked the departments for their unity in action and their quick decisions. As Superintendent of the Derry Township School District and as a resident, he commends these individuals for their leadership in assisting the District and others who worked to keep the children of this community safe. Without their leadership, quick decisions, and the decision to keep the elementary students shelter in place, we may have had a much more significant event in our community. On behalf of the School District, thank you again for your leadership. He thanked Mgr. Negley for his collaboration and communication in assisting them in relocating their entire kindergarten and 1st grade until further assessments of flood damage is done.

Chairman Abruzzo mentioned the admirable job the School District did under very difficult circumstances. The circumstances were changing by the minute and their quick decisions and problem solving helped with the safety of the students.

Judge Lawrence F. Clark, Jr., Greenlea Road – Mr. Lawrence stated he is here not as a judge, but as a citizen. The stormwater problem he spoke about four years ago that emanates from the Milton Hershey Medical Center campus is really the product of the installation of the Hope Drive roadway, which essentially is an elevated roadway. It creates an earth and dam, east to west, across that immense area of open ground. It traps all the water on the south side of that road and diverts at least two-thirds of it up to the eastern end. There is no meaningful detention facility for that water. There is a small swirling culvert that actually takes all of that water and runs it into a 36-inch pipe underneath Hope Drive. It then discharges with no impediment at all and overwhelms the intake facility that is midpoint between Beach and Greenlea Roads. Once again, the entire back yards and his neighbors’ homes were flooded. Four years have gone by. It simply needs a meaningful detention pond facility built on the north side of Hope Drive, adjacent to the outlet of that culvert.

For those who have been here long enough, will remember the vigorous dispute regarding significant building occurring at the Milton Hershey Medical Center Campus several decades ago. Lake Everett, as we call it in front of the HMC, came into existence.

The mini detention facility that is adjacent to the Day Care Center by Centerview Drive was within two inches of overflow. There is not a bit of retention to take care of what is coming out at the east end of Hope Drive. Four years is long enough. The citizens that live in the adjacent neighborhoods don’t need to have that again. The Township has the capacity to enforce the law of this Commonwealth, which is very clear. It says that you must maintain and control your stormwater on your property and may not create any greater burden on your neighbors than what has naturally occurred. The HMC has yet to do that.

Supervisor Pagliarulo mentioned he had discussion with Judge Clark and several other residents in that area. He did notify the HMC of their concerns and talked to their Government Relations person. I believe there was someone in the local neighborhood checking from the HMC. But obviously what Judge Clark has indicated is something that we have to look into immediately. He would like to see the Township staff contact the Director of Facilities at the HMC.

Lou Bushman, 32 Maple Ave – He commended all the staff that took part in the crisis and made it better. We are crisis oriented, but we need to be more preventive oriented. He
was also here four years ago and he gave a multi-media presentation on what happened on Maple Avenue during that June 1st storm. Since then HRG drew up plans, the Township received money, and there was supposed to be stormwater mitigation, but we kept putting that off. We need to take some action. He wants to make sure the Township is going through with the stormwater plan. Mr. Bushman requested to know the status of completing the stormwater project.

Matt Bonanno responded to Mr. Bushman with a timeline:
- 2008 – HRG got involved in the stormwater study with the Township. We did an initial phase of all the problem areas in the Township. The second phase of our report was to prioritize this project and figure out what our plan would be.
- 2009 – We were under contract in January 2009 to do this work. For a project of this size, it has taken this long to get the necessary approvals from several state agencies: Conservation District, DEP, PennDOT, and easements from property owners throughout the Township. We received all of the approvals.
- Summer 2011 – We put the project out to bid. Unfortunately the first bid came back fairly high with only one contractor bidding. The Township then decided to re-bid the project and we received seven bids back.
- 2011 to Present – There has been a Notice of Intent to Award given to the contractor. We have reviewed their bonds and their insurance and signed and executed a contract. We are going to schedule a preconstruction meeting within the next four weeks. The contractor plans to begin work in November.
- A schedule has been requested from the contractor.

The Township has never stopped or put this project on hold. It just takes this long to go through all the steps and approvals.

Supervisor Ballard asked if the stormwater project was in place would it have prevented the damage. Matt said it would not have prevented the damage. Our stormwater project as designed, will handle the 50-year flow. With the water we had on Wednesday coming down through the streets, it would have greatly helped that. Typically, for stormwaters/stormpipes you are only designed for a 10-year event so the Township decided to go to the 50-year event. It is very cost prohibitive to go to a 100-year event. When we had flooding like we did on Thursday with the stream backing up, no project would have prevented it.

Mgr. Negley stated that the Township has also expended over 1.1 million dollars in furthering this project to-date. We are continuing to move forward, but the process is slow.

Tracy Sarris, Cocoa Avenue – Ms. Sarris said she was hit by the 2004 storm with sewage almost two feet high in her finished basement. The same thing happened with this storm. There has been nothing done in seven years to assure that it would not happen again. In 40 years, there have been 4 storms that this Township has been affected by. She asked if the pipes in front of her home were 10-year pipes. Mr. Bonanno said the pipes that are in the swale are sanitary sewer pipes. Mr. Watters, DTMA, said the remedy would be to lower the drain so that the difference in elevation between her basement and the floor drain would become greater. We don’t do 10-year storms in sanitary sewers. When Matt talks about a 10-year storm and drains, he is talking about just storm waters.

Ms. Sarris said in this process of discovery that you have been doing it was realized that the sewer pipes that run there are also antiquated and need to be updated. Mr. Watters said...
when the Hershey Sewage Company installed those years ago, your home was not even there yet. They probably just ran what's called "minimum grade" to extend the sewer line to serve that general area. Then when the homes were built, they weren't elevated high enough to create a difference between the basement floor level and the sanitary sewer. With this project, we are dropping that sewer down.

Ms. Sarris said she asked the Township for a trash receptacle, but was told she could not have it. She checked her house today and there is mold growing on the walls in the basement and the house is starting to smell like sewage on the second floor. There is nothing she can do but clean her house out and get everything she can save from the main floor. Based on the answers she received today, she has to find other housing. She has her son displaced, four pets displaced and she is working out of a hotel room for her office. Is there anything the Township or DTMA can do to help?

Chairman Abruzzo said DTMA was very concerned about her problems when she came before the Board previously. He asked Ms. Sarris if they made any recommendations at that time about preventing this. Ms. Sarris said she raised her pipe up and plugged up the drainage when she could. She also said that DTMA did not offer to help alleviate any of her problems. Chairman Abruzzo said they have pushed this project and pulled out every stop to get approval on permits and easements, etc. There were things that delayed our process that were beyond our control. We have spent over $1 million dollars to fix this problem. We know you have a big problem and share your frustration. We said that your neighborhood was the focal point of this project and we really do feel it will help solve your problem. There are lots of residents who have suffered a lot of damage that need our help and we have to be mindful of that. Chairman Abruzzo said they would take her concerns into consideration and will get in touch with her.

John Dunn, 712 Linden Road – Mr. Dunn expressed his appreciation to all the staff for their dedicated work. He requested that somebody look at the auditing of the runoff that actually occurred over the last 72 hours. They would need to look to see if the retention ponds were actually working, what happens if they fail, and where did that water go. What we see from Brookside all the way down through Java is retention pond upon retention pond that did not satisfy what was happening. What we could possibly do is raise the retention ponds 1 to 2 feet that would slowly but surely delay the process of water flowing from the south. If you look at the retention ponds that have been approved by the development you will see that these ponds are not adequate enough to accommodate the flow of progress that is coming down out of the hills.

The situation on Cocoa Avenue is exacerbated by the development of all of the impervious coverage that was happening on the school property. The water that was flowing out of the retention pond and dumping out into the bottom part of Parks & Rec would not allow the water to flow down into the retention pond because basically all of it was coming off the athletic fields. There has been a major change of affluent water at the Park Center as a result of what has happened at the school even though they followed codes and it has all been approved. We need to readdress what is coming in the affluent flow of the Township to mitigate the consequences when we get a storm like this. He asked if our retention facilities are adequate enough.

Vice-Chairman Fedeli asked Mr. Bonanno if anything Mr. Dunn suggested was part of the storm study we did at the beginning. Mr. Bonanno said there was a recommendation to
make sure that the basins are being maintained. All of those basins are on private property and it is up to the owner to maintain them and make sure they are working.

Mr. Dunn said he thinks the community would deeply appreciate an evaluation of the implication and consequences of the development of what has happened at the school. They have looked at trying to keep the water within their guidelines, but obviously it is not working. We need to take a look at what we can do to resolve this. Chairman Abruzzo said we have been discussing looking at the retention basins around the community to see if they are adequate. Mr. Dunn offered his assistance to help improve the process.

Randy Umberger, Princeton Drive area – Mr. Umberger asked if there has been a study done on drainage and stormwater in his area. He gets the water through his property two or three times a year with rain and winter melt-off. It goes down Princeton and shuts off Middletown Road. His house is okay, but the people below him behind the creek got it worse. He mentioned that Mr. Lehman has helped his situation by putting his farm in conservation and planting trees rather than corn and wheat, which really helps. We get water runoff on thunderstorms. Vice-Chairman Fedeli asked what happens when those runoffs occur. He said this time it was so intense it came in the back part of his house. Mr. Umberger said they have water from the creek and then there is water coming out on his property before it gets to the creek. He also offered his assistance to help. Chairman Abruzzo said they saw the water come down the creek like a rushing river. He said they would contact him to identify where the water is coming from.

Clara Hess, 35 Maple Avenue – Ms. Hess lives directly across from Lou Bushman. She said the Fire Company is at her house on a regular basis with pumps. If there is a flash storm, she is living in a lake. The drain is behind her alley and in front of her house and when that hits and runs down from Hockersville Road, the alley gets flooded. She watched trash from the back alley end up on Mr. Bushman’s front yard. The drains are not handling the water.

Matt Bonanno explained that with her situation and her neighbors in that development, unfortunately historically stormwater management evolved. Back when this development was built, there were enough drains. With our stormwater management plan we are putting in pipes and inlets that should have been designed when it was first built. You are not being flooded from a stream coming up, but you are being flooded because the water goes to a low point and there is no place for it to go. Vice-Chairman Fedeli said we need to concentrate on the areas that have the most problems and this area has remained forefront. Mr. Bonanno said the new pipe will greatly help this situation.

Rich Gamble, Hockersville Road – Mr. Gamble spent time this weekend surveying the areas. In the Harrisburg paper it talked about the storm and who is responsible. Nature is one, but we are our own worst enemy. In the 1960’s we did not have these problems with the areas being identified. All the major developments within our Township have contributed to this problem…the Giant Center, the expansion of Hershey Park, and the expansion of the Hershey Medical Center. What were once fields are now solid areas. We never had a problem with 322 going into the development. We need to get the Township to really take a look at the ordinance and stop the variances. Chairman Abruzzo said this Board in the past three years has insisted for the people to build pursuant to the zoning regulations as opposed to what we have seen in the past.

Ryan Miller, Greenlea Road – Mr. Miller said he and his wife moved here in July. He is at Day 7 with three sump pumps pumping water out of his basement. He is the only one in
his development doing this. He is at the low point of the development and his house is basically acting as a basin according to his hydrologist and two engineers working on this problem. He is looking at thousands of dollars going into his house and possibly losing a thousand square feet due to what the hydrologist and the two engineer companies believe is a drainage problem. The water level in his house has gone up before he came here tonight. He might have to drill in his yard to divert the water and save the house.

Chairman Abruzzo asked if Chuck Emerick had been to his house. He had not. Mr. Emerick said with the load they have been carrying, they have been inspecting homes with electrical problems. The Fire Department did go to his house. Chairman Abruzzo advised Mr. Miller to get on the FEMA list because he will be eligible for money. He asked Mr. Emerick to get in touch with the hydrologist and see what they are finding. Mr. Miller thinks this is a lead up of events. His house sits at the bottom of four different roads and is acting as a retaining pond for Greenlea Road. Supervisor Pagliarulo asked Chuck Emerick to contact the facility engineer at the Hershey Medical Center. Chairman Abruzzo asked that Mr. Bonanno assist Mr. Emerick with this.

Vice-Chairman Fedeli asked Mr. Miller what problems his neighbors are experiencing. Mr. Miller said about 2 inches and another one is 14 inches. Three days ago they were in clean up process.

Debra Andrews, 404 Hockersville Road – The intersection of Hockersville Road and Mill Street was basically a river during the storm. This past week we had about 3 ½ to 4 feet of water in the basement. The area has always had a problem. Mr. Foley gave them a pump to help with the water. They are a funnel where they are located. Water was seen bubbling in the floor and they are still pumping water. She asked if it was normal to still pump water at this point.

Mr. Bonanno said it hasn’t rained since Friday so this is all ground water that is coming up. There is not an easy fix for something like this. You would have to put peripheral drains around the home and run pumps until the ground water level drops below, which will take a while. Chairman Abruzzo said that Mr. Emerick would be out to take a look at her home.

Robert Heinl – Mr. Heinl’s property is on the corner of Forest and Sand Hill. They got quite a bit of water on Wednesday during the flash flood. It was like a river and the rocks in front of his house washed out. The water is starting to come from behind the house. Studying the frequency and severity of the storms, he is concerned they will get washed out. There was over two feet of water in his basement and also sewage back up.

Mrs. Heinl operates a Day Care Center and is very concerned. She is concerned not only for the structure but for the safety of the children. She spent $5,000 of her own money on a pervious surface and she sees the School District putting in huge playgrounds. She asked if anything is being done on Sand Hill Road.

Mr. Heinl asked if a flapper valve on the sewage line would help. Ralph Watters, DTMA said you have to monitor it, but it will stop sewage if it works properly.

Chairman Abruzzo is curious whether or not the three homes on Sand Hill Road could be affecting the neighborhood. Mr. Emerick said he does not think the new homes are affecting the sewer problem, but it may have affected the stormwater. He and Tom Clark are working with the property owners to try and resolve some of their issues. It is a complex matter, but they are working on it. He is hoping that the new stormwater
ordinance that was adopted will help somewhat with expansions. The homes on the side of Sand Hill Road were built on existing lots and existing lots do not require stormwater control. Chairman Abruzzo suggested looking across the Township at different areas that we may be able to do our own stormwater mitigation.

Matt Weir, Church Road – Mr. Weir said he was very dismayed to see all the trees being cut down on Sand Hill Road for those houses. As you look around town you see things are starting to happen. We develop stormwater systems for 10 or 50-year floods, but since 1972 we have had five floods that were at least 50 year events in the last 40 years. A good example is what happened on Sand Hill Road and another example is going to be before the Board in a couple of weeks. That is the Grill behind the Research Center at the HMC. 99 acres will be changed into very large impervious coverage. They should put some money aside to buy some homes that are being destroyed from the building on these surfaces.

Anne Searer, 866 Sand Hill Road – Ms. Searer said the stormwater that washes down is incredible. After the big surge on Thursday, they found where their driveway meets Sand Hill Road is being greatly undermined. She had called Public Works a week before to let them know the utility pole is being carved out as the stormwater cascades over the drainage. She does not know how effective the inlet was. She does not think what is going on is the result of any new construction.

She thanked the Board of Supervisors for bringing in the gentleman who was here last night to give us some guidance on how to go about our redevelopment of the Township. A lot of things that he mentioned...planting trees, rain gardens...will help a little to alleviate some of these problems.

On top of the hill where her house is, there is a buildable size property, which she owns. Something like that could very easily be made into a retention pond with channeling the water that comes down from the woods. If we could get the people who live at the top of these hills to devote a space to a retention pond, it would at least give the water a chance to be absorbed by the soil and recharge the ground water and alleviate some of the problem at the bottom.

NEW BUSINESS:

A1-4 Consideration of the release of a portion of the performance security for the Revised Preliminary/Final Subdivision and Land Development Plan for the West Hershey Facility Plant Expansion, Plat No. 1205.

Charles Emerick – Assistant Director of Community Development
This is a relief of security for the West Hershey Facility Plant Expansion. The original bond came from Travelers Casualty in the amount of $2,997,012.07. We are recommending all but $655,020.48 be released with the remainder being retained as performance security.

Motion: A motion made by Supervisor Pagliarulo and seconded by Supervisor Ballard that the Township releases $2,341,991.59 from the performance security, held as Travelers Casualty and Surety Company Bond #105503683 with an original amount of $2,997,012.07, which was provided for the Revised Preliminary/Final Subdivision and Land Development Plan for the West Hershey Facility Plant Expansion, Plat No. 1205, leaving a remaining balance of $655,020.48, is hereby approved. **Motion carried, 5-0.**
B1 Request to close N. Hockersville Road (SR2-11) from Old West Chocolate Avenue to Hersheypark Drive on the grounds of the Hershey Park Entertainment Complex for AACA Fall Meet, October 7, 2011, PIAA District 3 Cross Country Championship, October 26, 2011, and PIAA Cross Country State Championship, November 5, 2011.

Motion: A motion made by Vice-Chairman Fedeli and seconded by Supervisor Pagliarulo that a request to close N. Hockersville Road (SR2011) from Old West Chocolate Avenue to Hersheypark Drive for 1. AACA Fall Meet from 2300 hours on October 7, 2011 to 1800 hours on October 8, 2011; 2. PIAA District 3 Cross Country Championships on October 26, 2011 from 1100 hours to 1800 hours with a rain date of October 27, 2011; 3. PIAA Cross Country State Championships on November 5, 2011 from 0700 hours to 1600 hours, is hereby approved. Motion carried, 5-0.

C1-22 Permission to hold a close proximity pyrotechnic show at the Hotel Hershey on Tuesday, September 20, 2011 at approximately 9:15 p.m.

Supervisor Pagliarulo suggested approving this subject to Rick Lenker reviewing the necessary information and giving his okay on it.

Motion: A motion made by Supervisor Ballard and seconded by Supervisor Pagliarulo that permission to hold a close proximity pyrotechnic show at the Hotel Hershey on Tuesday, September 20, 2011 at approximately 9:15 p.m., is hereby approved subject to Mr. Rick Lenker’s review and approval of the information. Motion carried, 5-0.

D1-14 Nomination by Township of Derry Board of Supervisors of Nate Pfeifer’s Eagle Scout Project with Boy Scout Troop No. 203 for Pennsylvania State Association of Township Supervisors’ Youth Award Program, 2011.

Barbara S. Ellis – Director of Hershey Public Library – Ms. Ellis added that Nate has of this date raised all of the money that was spent on the project and a little more.

Motion: A motion made by Supervisor Ballard and seconded by Supervisor Moyer that Nate Pfeifer and Boy Scout Troop 203, be nominated by the Township of Derry Board of Supervisors for Pennsylvania State Association of Township Supervisors’ Youth Award Program on this date, September 13, 2011, is hereby approved. Motion carried, 5-0.

E1 Adoption of Resolution 1314, designating an agent for the Township of Derry for Financial Assistance from the Pennsylvania Emergency Management Plan.

This is a process we have to go through to seek funding. The resolution designates Manager Negley as the authorized representative from the Township to submit public disaster assistance applications and the agreement for financial assistance with the Pennsylvania Emergency Agency.

Motion: A motion made by Supervisor Ballard and seconded by Supervisor Moyer to designate Manager James Negley as the authorized agent for the Township of Derry to submit the appropriate documents for financial assistance with the Pennsylvania Emergency Agency is hereby approved. Motion carried, 5-0.

CORRESPONDENCE – No correspondence to report.
BOARD/COMMITTEE INFORMATION — No information to report.

APPROVAL OF ACCOUNTS PAYABLE ($341,155.90) AND PAYROLL ($316,804.22).
Supervisor Ballard moved to approve accounts payable in the amount of $341,155.90 and payroll in the amount of $316,804.22. Supervisor Moyer seconded. The motion carried, 5-0.

VISITOR/PUBLIC COMMENTS
Rich Gamble, Hockersville Road – Mr. Gamble wanted to follow up regarding the project on Hockersville Road. At the last meeting he brought to our attention it was not just one home, but it involves two homes. He wants to assure that both homes were included in the action taken. He stopped by to look at the progress, but it seems to be getting worse. Mr. Emerick has not visited the property recently, but will visit the sight.

ADJOURNMENT
Supervisor Moyer moved to adjourn the meeting at 10:00 p.m. Chairman Abruzzo seconded. The motion carried, 5-0.

SUBMITTED BY:

_________________________________  ___________________________
Marc A. Moyer      Brenda Van Deursen
Township Secretary     Recording Secretary