MINUTES

NON-LEGISLATIVE MEETING – MARCH 2, 2016

The March 2, 2016 Non-Legislative Meeting of the Lower Swatara Township Board of Commissioners was called to order at 7:00 P.M. by President Thomas L. Mehaffie III. President Mehaffie called for the pledge of allegiance and a moment of silence.

Roll call was taken with the following officials in attendance:

- Thomas L. Mehaffie III, President
- Jon G. Wilt, Vice President
- Laddie J. Springer, Assistant Secretary
- Michael J. Davies, Commissioner
- Todd F. Truntz, Commissioner
- Anne Shambaugh, Manager
- Jean R. Arroyo, Secretary
- Peter R. Henninger, Solicitor
- Erin G. Letavic, HRG, Engineer
- Robert S. Greene, Planning and Zoning Coordinator
- Richard D. Brandt, Police Chief
- Daniel L. Wagner, Public Works Director

Residents and visitors in attendance: (PLEASE SEE ATTACHED SIGN-IN SHEET)

PUBLIC COMMENTS: None

FIRE DEPATMENT REPORT:

Chief Brown reported that there were 47 calls for February, with 216 members responding and an average response of six personnel per call. Incident breakdown is as follows: 6 fire incidents, 4 rescue incidents, 4 hazardous condition incidents, 1 service call, 14 good intent calls, and 8 false alarms. Mutual aid summary is as follows: 5 calls to Swatara Township, 4 calls to Middletown Borough, 7 calls to Highspire Borough, 1 call to Hummelstown Borough, 1 call to Derry Township, 2 calls to Londonderry Township, 1 call to South Hanover Township, and 1 call to Susquehanna Township. Upcoming fundraisers include the February 15 pork and sauerkraut dinner. Chief Brown reminded the Board that it had received a "save the date" for April 30, at which time the Fire Department will host an apparatus housing ceremony for its new

pieces of equipment. It will also hold its annual department banquet. President Mehaffie asked if this event is open to the public. Chief Brown explained that the apparatus ceremony is certainly open to the public, but the banquet is by invitation.

POLICE DEPARTMENT REPORT:

Chief Brandt reported that it was a very good month as far as crime statistics. There were 18 Part 1 crimes and 29 Part 2 crimes. He noted that he would have to look far back in the records to find one that low. Call volume was also much lower than normal, which is attributable to 30 inches of snow and very cold weather. There were 3 DUI arrests, 31 traffic citations, 9 non-traffic citations and 31 warnings. President Mehaffie referenced the statistics provided on Fire and EMS, and asked if the police department goes out on every one of those calls. Chief Brandt explained that while the calls are given to them by the County, they do not go out on every one. If it sounds like a serious call, they do respond. President Mehaffie noted that the report lists the number as 36. He asked if this is just documented calls, or calls the department actually responded to. Chief Brandt explained that most of these are EMS calls. While he does not have a breakdown, he estimated that the department responded to about half of them.

PLANNING AND ZONING REPORT:

Mr. Greene referenced the reports on monthly inspections and permits issued. Completed jobs include 815 Eisenhower Boulevard and 200 Capital Lane. There was no Planning Commission meeting last month, and no submittals to the Zoning Hearing Board. The Steering Committee for the Comprehensive Plan Update held its fifth meeting on February 16. It involved the following: suggestions for transportation, suggestions for parks and recreation, farmland and its future, continued restoration of open space in flood-prone areas, and survey results and discussion. The next meeting is scheduled for March 15 at 6:30 P.M. Mr. Greene and Mr. Fure recently met with representatives from Cramer Auto Park (1998 W. Harrisburg Pike) to discuss the proposed Land Development Plan to construct a new building that will be used for office space, body shop and some retail area. Several staff members and Ms. Letavic met on February 23 to discuss a stormwater issue on Nissley Drive. Specifically, the storm water problem exists between Spring Garden Drive and the Star Barn on the properties

of Dayspring Community Church and Open Door Bible Church. The Township is attempting to schedule a joint meeting with representatives of the two churches, the owner of the Star Barn, and HRG in an effort to partnership in the necessary improvements including the implementation of MS4 guidelines. Mr. Greene and Mr. Fure recently met with representatives of the Five Oaks Village Mobile Home Park and a prospective buyer to discuss the possible options for modifications or allowing the Park to continue as currently approved with needed updates for flood plain compliance. They are considering the possibility of submitting a revised plan with double wide units and compliance with flood plain regulations. Mr. Greene and Mr. Fure also met with Frank Nardo of the Linden Centre regarding the possibility of plan submission for a new hotel which is included in the current phase of the development. A meeting was held with the engineer representing Uncle Bob's Self Storage which is located in the Eisenhower Boulevard /Fulling Mill Road area. The company is looking to do some modifications which would involve a revised land development plan, and possibly putting in a two story structure. Mr. Greene also advised the Board that the staff is preparing for an inspection by DEP of its MS4 program. The inspection is scheduled for March 22 at 9:00 A.M. The Township's MS4 team is prepared for the audit. He added that Ms. Letavic has been very helpful in preparation for that inspection.

Staff recently met with Matt Tunnell regarding continued stormwater issues at Dauphin Street and Wood Street. It was a good meeting, and it was suggested that the Township may have to wait until the spring season in order for the vegetation that was planted late last fall to take effect. It can then see what modifications have to be done in terms of a better controlled system for stormwater. President Mehaffie asked if Mr. Tunnell is willing to fix this problem, or if there is something the Township should be doing. Mr. Greene reported that during the discussion, everyone recognized that there may be some modifications needed. However, with the snow and late season planting of vegetation, nothing took root. Therefore, it is not being controlled the way it was designed to be. Mr. Tunnell is very open to ideas of looking for controls. President Mehaffie asked if anything can be done in the meantime, such as silt fencing or socks. Mr. Greene agreed that other control measures will be looked into.

Bonnie Kiner, 544 N. Wood Street, reported that there is a deep rut from the upper field where there is no longer any vegetation. It is basically a river from that upper field down through the opening of the fence and right across her property. If nothing is done, it will

continue to get worse. There is a divot the whole way across the front of her property just from erosion due to this fast running water. One day, when it was about 20 degrees, the Public Works Department was in the area and noticed that there was running water underneath the inches of ice. Obviously there is a bigger issue than just failed grass. Ms. Kiner stated that she feels the Township should not wait until spring to deal with this issue. Ms. Letavic commented that the running water does sound like a spring. Ms. Kiner agreed and stated that she hopes the MS4 inspection includes driving up to her neighborhood to see the stormwater impact. She also cautioned that when traveling down to the corner of Wood Street and Route 230, it is impossible to cross the road when the water is coming. As a result, the Penn State students are walking anywhere but at the traffic signal to cross the street. The water gets pretty deep when it rains; it is not getting where it needs to go to drain.

PUBLIC WORKS REPORT:

President Mehaffie asked Mr. Wagner to explain why the culvert at the bottom of Wood Street and Route 230 was not put in as planned. Mr. Wagner explained that the biggest issue was that there was not enough coverage to be able to put an inlet in with pipe across. There was also water line and sewer line conflicts. The state still plans to pave this year, and it hopes that this will take care of the problem. Mr. Wagner stated that he does not feel that this will be the answer. He agreed with Ms. Kiner that her driveway down to Route 230 is a mess. Along with that, the water is muddy.

Mr. Wagner reported that the Department has been busy inspecting all plows and trucks after each storm, keeping up with truck washing and maintenance, prefabbing the old leaf box that has been rotting away, and training and certifications for the underground storage tanks. Jobs recently completed including tearing down the 1976 John Deere flail mower and rebuilding and repainting it. Township mechanic Rodger Mason did this work, and it looks brand new. Other recent jobs include waxing of the floors in the Police Department, cleaning lights in the Administrative offices and Police Department, hauling snow for two weeks after the big snow, cleaning inlets, and replacing and straightening street signs. The Department will now be focusing on getting the fields ready for the baseball season and also starting street sweeping. Mr. Wagner reported that there are some flooding issues out on Richardson Road. Staff will be working with DEP to come up with some solutions. The culvert that is south of the one that the

Township is looking to replace is basically 90% blocked. The Board will be kept updated on this issue. In addition, a meeting was held today with HRG on Highland Street, which is off of Route 441, by the Township line. HRG sent a bridge inspector out and confirmed that the bridge has significantly declined since it was checked out in December. At this point, the road was closed and barricaded as it is not safe for travel or pedestrian traffic. Repair is not an option. The bridge was added to at one point, and the addition is actually worse than the original bridge. Mr. Wagner stated that staff is looking to see if it can proceed with a permanent, long term road closure. This does impact Swatara Township as well, and one Township property will be affected. Ms. Shambaugh stated that based on the inspection done today, there is a liability issue with that road. It cannot withstand any heavy equipment whatsoever, and any continued vehicle traffic will only make it worse. Ms. Letavic noted that the good news is that since it is less than a 20' span, the Township does not need PennDOT approval to close it. She noted that the bridge is on the five-year portion of the current Capital Improvement Plan although it is not yet funded. A permit from DEP will be necessary to replace it. In response to a question from Vice President Wilt, Ms. Letavic confirmed that the residents will basically have only one way in and one way out to access their properties. Mr. Wagner added that the Township may be able to see if replacement would qualify under the Dirt and Gravel Road Program. Ms. Letavic stated that she knows that surfacing qualifies with that grant program, but she will need to confirm that structures qualify. The infrastructure bank is also a funding option, although this is a loan, not a grant. President Mehaffie asked if this can be a joint venture with Swatara Township as far as granting or funding purposes. He asked Ms. Shambaugh to discuss this possibility with the Manager of Swatara Township.

Vice President Wilt referenced the stormwater issues on Wood Street, and recommended that HRG take a look at the situation and make any recommendations to the Board on how this can be resolved. Ms. Letavic agreed to look into what short term options are available.

Mr. Wagner also reported that the Township's salt supply is in good shape. President Mehaffie asked that the Board's appreciation be conveyed to the road crew for their efforts during the snow removal. The Township was able to do take care of everything in-house, and did not need to contract it out.

MANAGER'S REPORT:

Ms. Shambaugh reported that she had one item for consideration tonight. The draft of the new Personnel Manual was reviewed by the Board, and the last revision included extensive changes to the policy regarding use of Township technology as it pertains to computers, email, cell phones, etc. Upon approval, it will be distributed to the employees. A motion was made by Commissioner Davies, seconded by Vice President Wilt, to approve the Lower Swatara Township Non-Uniform Employees Personnel Policy Manual. The motion was unanimously approved.

ENGINEER'S REPORT:

Erin Letavic, HRG, reported that HRG continues to work with staff in preparation of the PADEP MS4 inspection of the Township's MS4 program on March 22.

An update was provided on the Shireman Farm Parcel – DCNR Grant. The property appraisal was completed on February 10, 2016. A pre-application meeting occurred on February 18. The boundary survey is required for the submittal, though the Phase I Environmental Site Assessment is optional. HRG looks for authorization to proceed with the boundary survey, title search, and also guidance as to whether or not the Township desires to have the optional Phase I Environmental Site Assessment be completed as part of the due diligence to be performed on the property, should the Township wish to proceed with the grant application. Ms. Letavic asked Ruth Shireman, the property owner, for her feedback. Ms. Shireman respectfully asked that the Board not proceed with the possibility of purchasing the property right now. Between yesterday and today, another option has come to light and she does not feel comfortable making this big decision on her own right now. She thanked the Board for the opportunity, and thanked Ms. Letavic for all the hard work she put into this thus far. Ms. Letavic stated that she was happy to help, and noted that the grant application process is an annual one. Should things not work out with this other opportunity, or if there is interest in other properties, these grants are available ever year. A motion was made by President Wilt, seconded by Commissioner Truntz, to table pursuing the purchase of the Shireman Farm Parcel through a DCNR grant. The motion was unanimously approved.

HRG met with Township staff to revisit the project scopes of the Greenways, Trails, and Recreation Park Grant and DCNR Grant for the Old Reliance Park and Shope Gardens Park. A similar presentation was provided to the Recreation Board, which met earlier this evening. These projects are expected to be completed sometime this year.

HRG is coordinating with a PEDEP engineer and PENNVEST staff on the eligibility of pavement for the application for the Capital Improvement Plan. Upon confirmation that additional pavement is allowed by regulation, HRG has been asked to provide a cost analyses to document the increase in budget associated with the additional pavement, compared to the typical trench width+1' on either side. There is anticipated to be substantial savings to the Township should PENNEVEST agree with the drainage system interpretation, though this analysis does cause a delay in applying for funding.

President Mehaffie asked Ms. Letavic to provide an overview of the two park projects funded through grants. Ms. Letavic stated that there will be significant playground upgrades involved which will include new playground equipment, new swing sets, poured in place rubber matting, walking paths, new pavilion picnic tables, new trash and recycling containers, and new park benches. The park layouts will not change, but the amenities will be upgraded. There will also be some stormwater quality best management practices involved including installation of rain gardens and signage explaining the benefits of these rain gardens.

Commissioner Davies asked about the Richardson Road issue and his understanding that there is some sedimentation under the bridge that is blocking water flow. Ms. Letavic agreed that it is sediment and debris. Commissioner Davies asked if the state is still protective of the removal of any type of sedimentation. Ms. Letavic confirmed that this is correct. When the Township replaces the existing Richardson Road Bridge to the north, it will be securing a DEP permit. That permit will also allow the Township to remove the sedimentation.

Ms. Letavic referenced the MS4 program ("Municipal Separate Storm Sewer Systems") and stated that she would be providing some public education this evening via a PowerPoint presentation entitled "MS4 Compliance Concepts" (see attached presentation). MS4 includes pipes, inlets, swales, detention BMPs, infiltration BMPs, and water quality BMPs. It is the system that collects, conveys or manages stormwater. Ms. Letavic reviewed the topics including NPDES MS4 Permit, Stormwater Problems, and Regulatory Inspections. While this program is mandated, Ms. Letavic stated that she feels the Township can do good things with it and be a

good steward to the river and all the streams that go into it. President Mehaffie thanked Chief Brown and the Fire Department for its participation in the MS4 program and for his attendance at the last MS4 meeting.

SOLICITOR'S REPORT:

Solicitor Henninger reported that tonight's agenda includes approval of Ordinance No. 564. (AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE TOWNSHIP OF LOWER SWATARA, DAUPHIN COUNTY, PENNSYLVANIA, NO. 448 AS AMENDED AND SUPPLEMENTED, CHAPTER 15, MOTOR VEHICLES AND TRAFFIC, PART III, RESTRICTIONS ON SIZE, WEIGHT AND TYPE OF VEHICLE AND LOAD, SECTION 15-301. RESTRICTIONS ON SIZE, WEIGHT AND TYPE OF VEHICLE AND LOAD TO ADD A RESTRICTION ON TRUCKS IN EXCESS OF 16,000 POUNDS ON STONER DRIVE BETWEEN PA ROUTE 441 AND ROSEDALE AVENUE, ON NORTH UNION STREET BETWEEN PA ROUTE 441 AND PA ROUTE 283 INTERCHANGE, ON STRITES ROAD BETWEEN LONGVIEW DRIVE AND THE SWATARA TOWNSHIP LINE, ON FIDDLERS ELBOW ROAD BETWEEN NORTH UNION STREET AND THE SWATARA TOWNSHIP LINE AND ON COCKLEY ROAD BETWEEN LONGVIEW DRIVE AND THE SWATARA TOWNSHIP LINE AND REVISING THE LANGUAGE REGARDING EXEMPTIONS FOR LOCAL DELIVERIES AND ADDING LANGUAGE EXEMPTING EMERGENCY VEHICLES TO SECTIONS 15-301 AND 15-302.) This proposed ordinance is a result of studies conducted by both Lower Swatara Township and Swatara Township. A motion was made by Commissioner Springer, seconded by Vice President Wilt, to approve Ordinance No. 564. A roll call vote was taken with the following ballot tabulation: President Mehaffie – aye, Vice President Wilt – aye, Commissioner Davies – aye, Commissioner Springer – aye, Commissioner Truntz – aye. Ordinance No. 564 was approved by a 5 – 0 margin.

Solicitor Henninger announced that at 6:30 P.M. this evening, the Board had met in executive session to discuss a personnel matter as well as a pending litigation matter involving an open records' appeal which was filed yesterday.

Solicitor Henninger stated that he believes there is a need to respond to recent reporting regarding the separation of employment of Samuel Monticello, the former Township Manager, and the amending of the Township's Manager ordinance. When the Board determined that a

change of direction as far as the management of the day to day operations of the Township was necessary, special employment counsel and he, as Township Solicitor, in reviewing the provisions of the Manager ordinance determined and thus recommended that the Board consider amending said ordinance as far as the removal process. The first class township code was looked at for guidance, of which there was none. It merely provides that the Township can create and can abolish the office of Township Manager and may set forth the powers, duties and compensation. As the first class township code does not address the removal of a sitting manager, that process is left to the Board. The Township Manager, as well as other non-union employees of the Township, are at-will employees who serve at the pleasure of the Board. The prior procedure which had been on the books since at least 1974 provided what was felt to be a somewhat long and potentially costly process of removal. Solicitor Henninger added that it needs to be noted that this removal provision had never been needed in the almost 30 years that he has represented the Township, as all prior managers had either resigned, retired or entered into voluntary separation agreements. As Mr. Monticello entered into just such a voluntary separation agreement, this prior procedure would not have been applicable to Mr. Monticello. The Township feels that in order to protect the privacy of the individual, to protect the security of the Township and to provide for the orderly transition to a new manager, that elimination of the 30 day written notice to the manager and the advertising requirements of two weeks ahead of a vote to remove would serve the best interests of the Township and the taxpayers who fund the operations of the Township. As far as any questions as to why the Board did not act to approve the separation agreement with Mr. Monticello dated November 30, 2015 until January 4, 2016, Mr. Monticello was presented with the agreement on November 30, and, as required by law, he was provided 21 days to consider it. He did not provide a signed agreement to the Board until December 21, 2015. The next meeting of the Board after December 21, 2015 was not until January 4. Until Mr. Monticello signed the Agreement there was no action for the Board to take.

Ms. Shambaugh stated that she wanted to bring the rest of the Board and residents up to speed on the Police Department. As Township Manager, she has been tasked with finding the right balance between cost to the taxpayers and the needs of the Police Department. She is currently waiting for some additional data from the Police Department which will help the Board and her make an informed decision. Ms. Shambaugh explained that she cannot make a recommendation at this point, simply because she is waiting for that additional information which she hopes to have

within the next two to three days. When this is received, she can provide the Board with the information that it needs, and it can move forward with either hiring or not hiring a police officer. Ms. Shambaugh also noted that she has the cost of the purchase of a new police vehicle. This was included in the 2016 budget, and Chief Brandt had provided the updated figure for 2016 which is $41,806.52. The budgeted line item is $43,000. In response to a question from President Mehaffie, Ms. Shambaugh confirmed that this information will be provided to the Board, and action will be placed on the legislative agenda for vote. Vice President Wilt asked if this is Ms. Shambaugh's recommendation. She confirmed that a meeting was held with Mr. Mason, the Township's mechanic, who services and inspects the vehicles, as well as Chief Brandt and Mr. Wagner. All the police vehicles in the fleet were looked at, and Mr. Mason recommended that Car 8 be taken out of service and replaced with the new vehicle that is in the budget.

President Mehaffie stated that Ms. Shambaugh has now been here three months, and it has been a whirlwind. He stated that he appreciates her stepping up and trying to expedite things.

Marianne Hoover explained that she comes from a police family, so the police are important to her. She cannot understand why the Township has not hired a police officer since it was budgeted. Ms. Shambaugh explained that just because an item is budgeted does not mean it will be acted on immediately. Items are tasked throughout the course of the year. While she has eleven years of municipal experience, she is new here and wants to get familiar with the Township. The Board tasked her with providing her opinion, and she simply cannot do so until all the information is received. Ms. Hoover added that if the Township lost two officers, that is two salaries. If one was allotted in the budget, why not hire at least one. She stated that the citizens would feel better. Ms. Hoover cautioned that officers could become overworked to the point where a costly mistake is made. The Township has a wonderful department that is truly respectful to the citizens.

Patria Julnes, Old Reliance Farms, referenced the weight restriction ordinance passed this evening, and asked if this would result in trucks traveling down Strites Road to Powderhorn Road, where there is not many stop signs. Solicitor Henninger explained that the idea is to prevent trucks from coming down Strites Road, so this ordinance and the fines associated with it should actually alleviate trucks in this area.

Dan Magaro asked if the Township would be putting up signage for the weight restrictions just passed. Solicitor Henninger confirmed that signs will go up, but could not be placed until the

ordinance was formally approved tonight. Mr. Wagner estimated they should be up within a week if they are in-stock.

In response to a question from a member of the audience, Chief Brandt confirmed that the Township does have officers trained for weight enforcement.

Joe Hoover stated that the Township has a fantastic Police Department which is highly respected. He has read a lot of issues in the "sound-off" column, and is concerned to hear that the officers are riding around in high mileage vehicles. He stressed that these are high speed emergency vehicles, not snow plows. Mr. Hoover also noted that he read in the paper that Middletown Borough is getting ready to hire four police officers. Since Middletown pays more, there is a possibility that some of the Township officers may go there. He urged the Board to think seriously about what it is doing. The Township's officers should be paid a salary that they can live with, and they should have the finest equipment. He expressed hope that the Board takes care of these problems quickly. If not, it will come back on the Board. Mr. Hoover also stated that he is glad to see the Board pass the weight restriction, as he has been preaching about the need for this for many years. The higher fines associated with this will get the truckers' attention and also make a lot of money for the Township.

FINAL COMMENTS:

Commissioner Truntz thanked everyone for coming to the meeting tonight and stated that it was nice to see so many seats filled.

Commissioner Springer also thanked the public for coming, and expressed hopes that they come more often. It is good to hear public input.

Vice President Wilt added his appreciation to the public for coming out tonight.

Commissioner Davies stated that tonight's MS4 presentation is actually quite important, and added that the Township has significant infrastructure issues related to stormwater mostly in terms of deteriorating, existing infrastructure. The Board will be facing some real financial challenges as a result of this.

ADJOURN:

Hearing no other business, a motion was made by Vice President Wilt, seconded by Commissioner Davies, to adjourn. The motion was unanimously approved, and the meeting adjourned at 8:28 P.M.

ATTEST:

Jean R. Arroyo
Township Secretary

PLEASE PRINT NAME CLEARLY

Board of Commissioners Workshop Mtg. – March 2, 2016

NAME	ORGANIZATION (IF APPLICABLE) OR ADDRESS
Jason Brown	FDLS
Jos + Marianne Hoover	Residents
Michelle Wagner	
Ruth Shireman	Longview D.
Laura Ribec	N. Union
Chet & Marjie Hartz	N Union
Don & Gladys Kreiser	N Union
Bonnie + Rod Kiner	N Wood St.
Jane McGarrity	Resident, Old Reliance
Helen Fuhrman	Old Reliance
Patria Jolnes	Old Reliance
Ginny Noll	Old Reliance
David Andrews	Old Reliance
Eric Wise	Press And Journal
Danene · Dan Majan	Resident
JoAnn Coleman	1332 Spring House Rd.
Ron Fisher	220 Dauphin St
Mike / Jake Dunbar	Old Rel.
Nancy Avolese	1451 N Union
N Pendergrass	Briarcreek Ln

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[BUILDING RELATIONSHIPS.
DESIGNING SOLUTIONS.]

MS4 Compliance Concepts

Erin G. Letavic, M.Eng, EIT

Project Manager

OUTLINE

- NPDES MS4 (Municipal Separate Stormwater Sewer System) Permit
- Stormwater Problems
- Regulatory Inspections

Stormwater Program Effectiveness

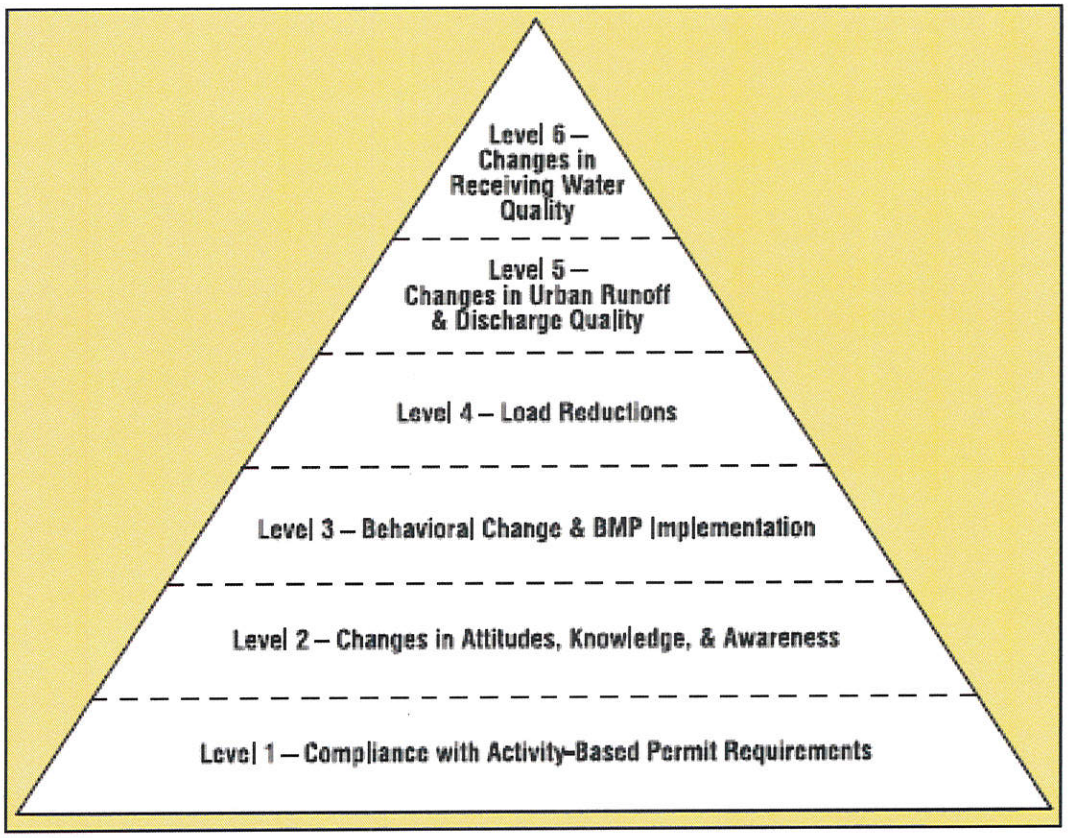

Figure 2. Approaches to evaluation of stormwater program effectiveness. (Source: CASQA, 2007)

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MS4 Permit

- NPDES (National Pollutant Discharge Elimination System) General Permit (P[illegible]13) or Individual Permit (IP) for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)
  - ***WATER QUALITY PERMIT***
  - Stormwater runoff carries pollutants

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MS4
(Municipal Separate Storm Sewer System)

- Pipes
- Inlets
- Swales
- Detention BMPs
- Infiltration BMPs
- Water Quality BMPs
  - The SYSTEM that collects, conveys, or manages stormwater

Two Problems

- Economic Progress (land development)
  - Problem #1: Increase in **quantity**
  - Problem #2: Decrease in **quality**

- Aging Infrastructure
  - Problem #1: **Funding** challenges
  - Problem #2: What **design** standards?

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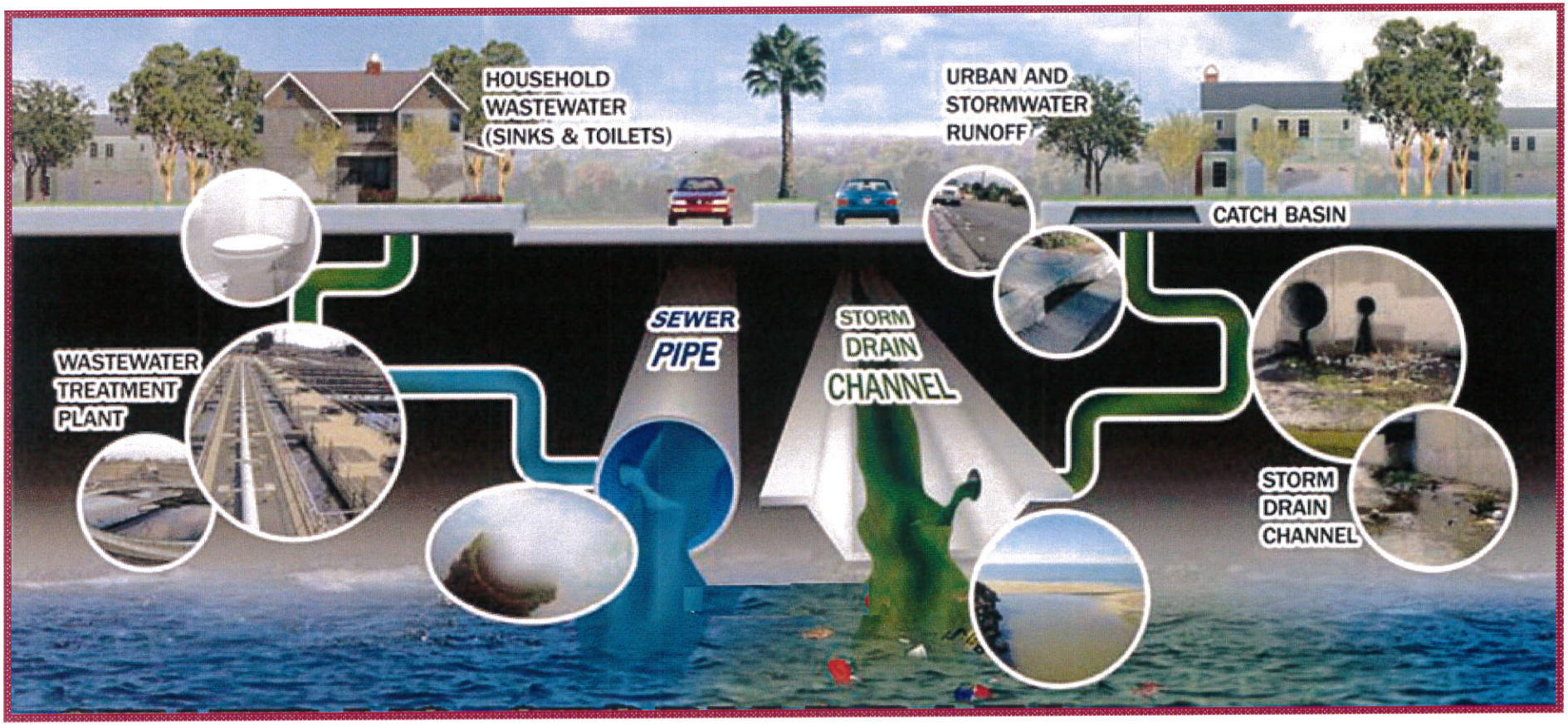

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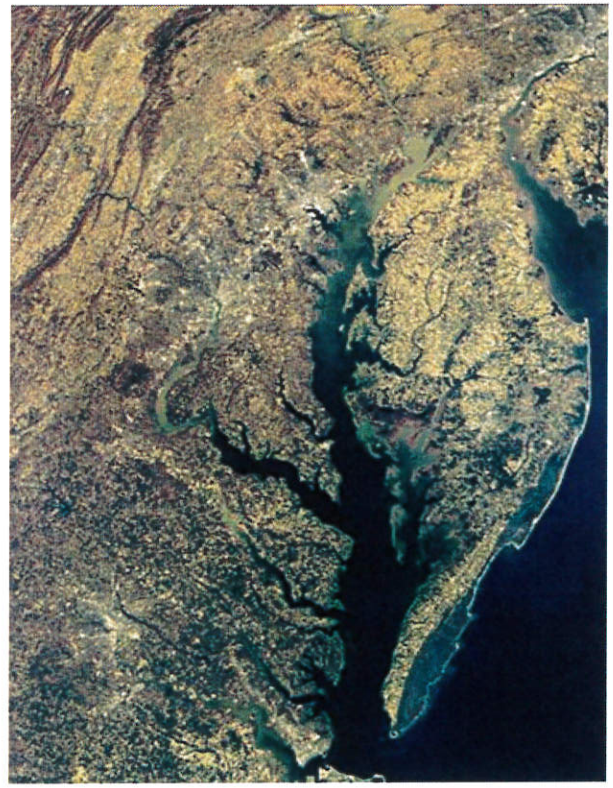
Stormwater Pollutants

- Sediment
- Nutrients (nitrogen & phosphorus)
- Bacteria
- Oxygen Demand
- Oil and Grease
- Metals
- Toxic Chemicals
- Chlorides
- Thermal Impacts
- Pesticides & Herbicides

Chesapeake Bay TMDL
(Total Maximum Daily Load)



MS4 Permit Compliance

- DEP Inspection
  - One per five year permit term
  - Incremental progress
  - "here to help"
- EPA Audit
  - Unknown schedule
  - Permit compliance observations
  - Potentially punitive

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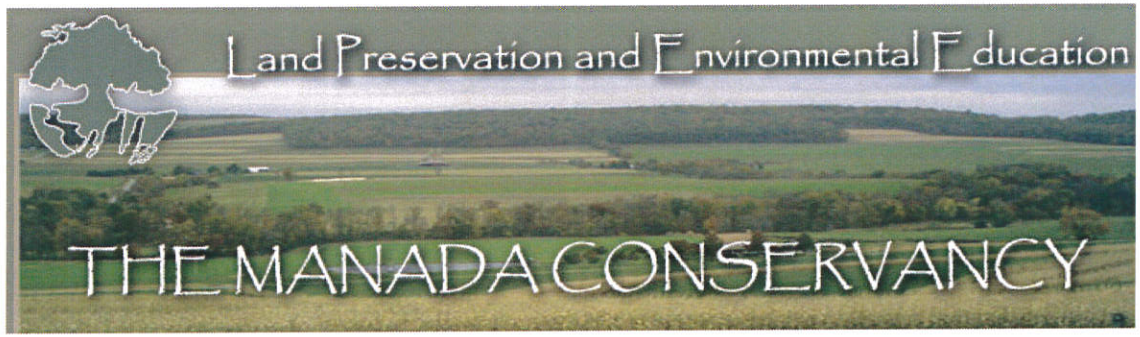
MS4 Permit Compliance

- Qualitative permit
- Documentation
  - Written procedures for pollution prevention and treatment activities (public works, planning department, codes enforcement, administration)
  - Written procedures for public education and participation
  - Evidence that procedures are being followed

Public Education and Outreach
Public Involvement/Participation



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Illicit Discharge Detection and Elimination

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Construction Site Stormwater Runoff Control
Post-Construction Stormwater Management

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Pollution Prevention and Good Housekeeping for Municipal Operations

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DESIGNING SOLUTIONS.]

Pollution Prevention and Good Housekeeping

- Pollution Prevention
  - Does the activity have the potential to create water pollution?
  - Is the activity exposed to precipitation or does it convey pollution?
    - Is there a collection system with treatment prior to discharge to the MS4?
    - Can the activity be conducted under roof?

Treatment = $$$

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DESIGNING SOLUTIONS.]

Regulatory Inspection Preparation

- Organize document system
- Re-familiarize staff with program
- Conduct critical self-audit
- HRG will guide you!

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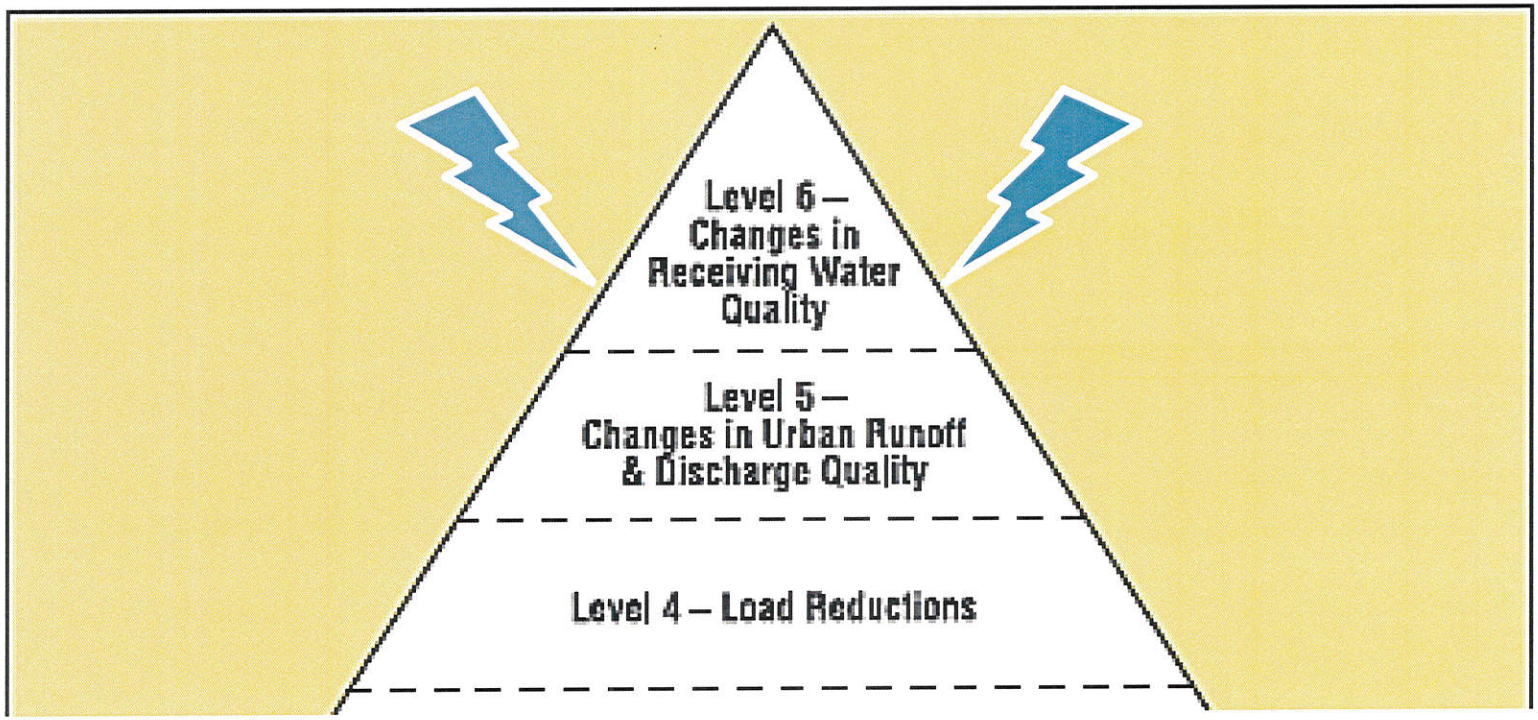
DESIGNING SOLUTIONS.]

Stormwater Program Effectiveness



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