

Barnes Aquifer Protection Advisory Committee

**Report on Fiscal Year 2013 Activities
(July 2012 to June 2013)**

Prepared by the
Pioneer Valley Planning Commission
in cooperation with
The Barnes Aquifer Protection Advisory Committee
September 2013

**BARNES AQUIFER PROTECTION ADVISORY COMMITTEE
(BAPAC)**

Fiscal Year 2013 (July 2012 to June 2013) Annual Report
Prepared by the Pioneer Valley Planning Commission

Acknowledgements

The Pioneer Valley Planning Commission would like to acknowledge the contributions of Barnes Aquifer Protection Advisory Committee members:

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Karen Leigh, Westfield
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TABLE OF CONTENTS

EXECUTIVE SUMMARY	1
1. INTRODUCTION	2
2. BAPAC ACCOMPLISHMENTS JULY 2012 TO JUNE 2013	6
3. RECOMMENDATIONS FOR FISCAL YEAR 2014	14
4. PROPOSED BUDGET FOR FISCAL YEAR 2014	17

APPENDIX A ONGOING ISSUES AFFECTING THE BARNES AQUIFER

APPENDIX B MEETING AGENDAS AND MINUTES

APPENDIX C DEVELOPMENTS OF REGIONAL IMPACT (DRI)
COMMENT LETTERS

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Executive Summary

Summary of Accomplishments for Fiscal Year 2013

BAPAC met monthly from September to June during Fiscal Year 2013, commenting on seven Developments of Regional Impact (DRIs), all from Westfield.

Other accomplishments include the following:

- Supported the implementation of best management practices for developments occurring within the recharge area through comments on Developments of Regional Impact (DRI);
- Overhauled the BAPAC website with updated information and images to ensure aquifer protection and to provide better access for specific audiences (property owners and developers). Website work will continue in FY2014.
- Worked with local boards of health to develop a letter, the first in a series, to inform well owners about best summer month practices for protecting drinking water supply. Letters for fall and winter will be forthcoming in FY2014.
- Advanced efforts to protect a high priority parcel for aquifer protection in Southampton that is of significant interest to the Easthampton Water Department, identifying potential collaborators and funding sources and meeting with the landowner on several occasions.

Recommendations for Fiscal Year 2014

BAPAC should continue to promote regional action for protecting inter-municipal water resources. For FY2014, the three key overarching areas of work are: reducing threats to the aquifer, public outreach and education, and extending work and developing additional funding sources. Following are tasks in priority order for FY2014

1. Continue to conduct reviews of Developments of Regional Impact (DRIs)
2. Determine how forthcoming Sustainable Water Management Initiative (SWMI) regulations will affect BAPAC communities and water supply
3. Advance protection of priority aquifer recharge lands
4. Finish work to overhaul the BAPAC website
5. Offer BAPAC review of any new well regulations in development by local boards of health (*Easthampton, Westfield, Southampton are in process of revising regulations*)
6. Continue working with Boards of Health on series of joint letters to all private well owners
7. Capitalize on Drinking Water Week to advance awareness of the Barnes Aquifer
8. Help BAPAC communities understand best practices for winter road maintenance
9. Conduct follow up testing to understand extent of TCE in the Aquifer
10. Explore interest with Southwick and West Springfield in joining BAPAC

11. Seek summer intern help from either Smith or Mt. Holyoke College
12. Seek funding to advance BAPAC's work

1. Introduction

Importance of the Barnes Aquifer

The Barnes Aquifer has been widely recognized as one of the Commonwealth's most important regional groundwater supplies. Portions of the aquifer in Easthampton have been designated a "sole source aquifer" by the U.S. Environmental Protection Agency.

- The Aquifer extends from the Westfield River northward over 12 miles to Northampton
- It provides water to more than 60,000 residents and many businesses, industries and institutions in the communities of Easthampton, Southampton and Westfield (Holyoke no longer draws water from the Aquifer due to TCE contamination at its wells).¹
- There are 11 active municipal wells, and the 108 unit Hendrick Street Well Field in Easthampton that tap the regional aquifer
- Together these wells draw a total of 1.2 billion gallons per year

Regional Approach to the Barnes Aquifer

The size, importance, and inter-municipal geography of the Barnes Aquifer demands regional cooperation and regional solutions to fully protect this critical water supply. Recognizing this, the PVPC and municipal officials from Easthampton, Holyoke, Southampton, and Westfield convened an initial meeting in March of 1988 to discuss cooperative strategies for protecting the Barnes Aquifer. Out of this meeting grew the idea for creating a regional aquifer protection advisory committee.

On September 26, 1988, the Barnes Regional Aquifer Protection Advisory Committee held its first meeting. This ad hoc committee began work on a regional water supply

¹ The City of Holyoke closed the Pequot and Coronet Homes Wells in 1988.

Table 1.1: Barnes Aquifer Service

	Number of registered/permited wells*	Listed with DEP as active?	Safe Yield (MGD)	Max Single Day Volume	Annual Withdrawal	Number days well active	Number of People Served	Number of private wells
Easthampton	5 registered; 1 permitted						16,053	5 est.
	1087000-04G Hendrick Well Field	yes	2.8987	1,409,400	235,485,100	365		
	1087000-05G Pines Well	yes	0.9	313,300	20,043,600	365		
	1087000-06G Nonotuck Road Well	yes	1.0498	0	0	0		
	1087000-08G Nonotuck Park Well	yes	1.1376	1,970,700	252,941,500	348		
	1087000-09G Brook Street Well (permitted)	yes	1.454	613,000	72,500,300	364		
	1087000-07G** Maloney Well	yes	1.6992	56,000	231,000	4		
Holyoke	2 registered wells							15 est.
	01G	no						
	02G	no						
			Approved Daily Pumping Volume (MGD)					
Southampton	2 permitted						3,688	800 est.
	1276000-01G	yes	.792	0	0	0		
	1276000-02G Glendale Well 2	yes	.792	730,000	104,910,000	365		
Westfield	4 registered wells						42,000	750 to 1,000
	1329000-01G	yes	2.002	2,120,000	269,785,000	301		
	1329000-02G	yes	2.002	1,880,000	102,334,000	121		
	1329000-07G	yes	2.002	2,280,000	140,916,000	171		
	1329000-08G	yes	2.002	330,000	333,000	2		

* Registered wells operate under a 100,000 gallon per day (gpd) threshold.

** This well is not in compliance with MA Wellhead Protection Regulations 310 CMR 22.21(2) because the Zone II of this well is not included in the City's Aquifer Protection District Map

Sources: Public Water Supply Statistical Report (Easthampton and Southampton 2010; Westfield 2011)

protection strategy, and on an inter-municipal compact to formalize municipal commitments to implement the strategy.

Creation of the Barnes Aquifer Protection Advisory Committee

In December 1989, the chief elected officials in the Cities of Westfield and Holyoke, the Towns of Easthampton and Southampton, and the Pioneer Valley Planning Commission signed the “Memorandum of Agreement for Barnes Aquifer Protection” at a public ceremony. This agreement to act cooperatively to protect a natural resource of regional significance was the culmination of a yearlong planning effort by PVPC and a voluntary advisory task force of local officials and residents. The intergovernmental compact created a standing Barnes Aquifer Protection Advisory Committee (BAPAC) with the authority to review and comment on “developments of regional impact” in the aquifer recharge area, and to develop a regional aquifer protection strategy.

Barnes Aquifer Protection Advisory Committee Membership

The inter-municipal contract that created BAPAC specifies how many members are selected to the committee. The chief elected officials of each member community is to appoint three representatives and PVPC is to appoint one representative. BAPAC members for Fiscal Year 2013 were:

Easthampton	Darleen Buttrick, Resident Michael Czerwicz, Water Department Chester Seklecki, Board of Health
Holyoke	Jeff Burkott, Planning Department Dave Conti, Water Department Andrew Smith, Conservation Commission
Southampton	Edward Cauley, Department of Public Works James Labrie, Planning Department Joseph Slattery, Water Department
Westfield	Charles Darling, Water Department Karen Leigh, Conservation Commission
Advisor	Robert Newton, Professor of Geomorphology, Smith College
Pioneer Valley Planning Commission	Patty Gambarini, Senior Environmental Planner, BAPAC Facilitator Anne Capra, Principal Planner

Meetings

BAPAC met monthly from September 2012 to June 2013. Following is a brief summary of BAPAC meeting dates and key agenda items. Notes from BAPAC meetings are contained in Appendix B.

Table 1.2: Monthly Meeting Summary

Date	Key Agenda Items
September 4, 2012	FY 2012 Annual Report and work plan
October 2, 2012	Organization of committee/vote for officers, FY2012 Annual Report, work plan, member dues
November 7, 2012	FY 2012 Annual Report, resources to update website, follow up with boards of health
December 4, 2012	Drinking Water Week and Green Awards, website, follow up with board of health, protection of Cook Road property, SWMI grant opportunity, possible sources of help for project to value aquifer, devising a system to organize, house, share aquifer data and information
January 8, 2013	Moment of silence for Barbara Sword, 2 DRIs, Drinking Water Week and Green Awards, meeting with Southampton Board of Health, ideas for letter to private well owners, Cook Road property
February 5, 2013	Drinking Water Week and Green Awards, meeting with Cook Road landowners, joint letter with boards of health to private well owners
March 12, 2013	2 DRIs, military civilian community council meeting, Easthampton Open Space Planning, Green Awards, Cook Road property, joint letter with boards of health
April 2, 2013	1 DRI, Drinking Water Supply Protection grant program and Cook Road property, joint letter with boards of health
May 7, 2013	Appraisal for Cook Road property, review of changes to website
June 4, 2013	3 DRIs; permitting new wells for agriculture and geothermal, Cook Road property, joint letter with boards of health, land conservation planning

2. BAPAC Accomplishments July 2012 to June 2013

The following section summarizes the key issues BAPAC addressed and the accomplishments during Fiscal Year 2013.

Reducing Threats to the Aquifer

Developments of Regional Impact (DRI)

DRIs are defined as any development project which requires: a) state approval under the MEPA process, or b) local approval for a Special Permit, Site Plan Approval, Subdivision Approval, zoning amendment, or withdrawal of property from M.G.L. Chapters 61, 61A, or 61B. In its reviews, BAPAC assesses the potential for water pollution or other adverse impacts to the aquifer from the proposed project and recommends mitigating measures to prevent such impacts.

Municipal representatives in member communities are obligated to submit DRIs to BAPAC for review. This obligation is defined in the Memorandum of Agreement for Barnes Aquifer Protection signed by the chief elected official in each member community. BAPAC sent a letter to planning directors and planning boards in 2012 to reinforce an understanding of BAPAC's role with respect to DRIs. Southampton planning board responded saying they had not been aware of the MOA and would now be referring project applications to BAPAC. During Fiscal Year 2013, BAPAC reviewed and commented on seven DRIs all from Westfield. See Table 3.2 below for a list of these DRIs, a summary of the major issues, and BAPAC's recommendations. Appendix C contains copies of the DRI comment letters from BAPAC submitted for these projects.

Table 2.1: Fiscal Year 2013 DRI Reviews

DRI / Date	Location and Name of Project	Owner/ Developer	Project Representative	Issues / Requested Info / Actions
WESTFIELD				
January 8, 2013	Realignment/ reconstruction of Old State Road and Airport Industrial Way	City of Westfield	Robert M. Levesque, Levesque Associates, and City Advancement Officer Jeff Daley	City of Westfield planning to reconstruct and realign Old Stage Road and Airport Industrial Way to improve safety and provide better access for projected development occurring around the airport. Realignment occurring within the City's Right of Way with reconstruction extending some 1,450 feet from Route 202 toward the intersection with Buck Pond Road. Project proposes to install a system of 10 catchbasins along the roadway to capture and convey stormwater to a detention basin with 3 drywells. Before entering the detention basin, stormwater will move through a Stormceptor unit and a sediment forebay. Three recommendations from BAPAC for this project: 1. Eliminate the use of three drywells in the detention basin to reduce the risk of contaminating the aquifer; 2. Ensure that the stormceptor unit receives regular maintenance; and stipulate that no synthetic chemical fertilizers or pesticides be used for landscaping work associated with the project.
	24 Elise Street	Chalmers & Kubeck	Robert M. Levesque, Levesque Associates	Chalmers & Kubeck proposing to demolish two buildings at the back of property and build a new 1,960 square foot office building. Translates to about 900 square feet of new impervious surface. Drainage from the buildings and parking lot will continue to be directed to the existing catch basin on site. Three recommendations from BAPAC for this project: Ensure that there are good maintenance practices to reduce the amount of pollutants entering stormwater runoff, including regular catch basin cleaning; 2. Adopt best management practices for the parking lot to reduce pollutant runoff to outfall 854, including the installation of a Stormceptor unit or other pollutant removal system to improve the quality of water draining from the parking lot; 3. Consider the use of a cistern to capture rainwater from the roof for reuse in flushing toilets.

DRI / Date	Location and Name of Project	Owner/ Developer	Project Representative	Issues / Requested Info / Actions
March 12, 2013	785 North Road	Kevin and Jeremy Labrie	Amanda Zedonis Kemp, Esq.	<p>Labries seeking special permit to operate tree service business from 785 North Road. Applicant proposes storing trucks and tools. In the future also hoping to sell landscape supplies such as bark mulch and landscape stone. No fuel, fertilizers, or pesticides will be stored on site. Previous owners had installed several stormwater facilities, including a pond. As it is not clear whether these facilities were built as proposed, Labries are working with the City to get certification of these facilities. Four recommendations from BAPAC for this project: 1. Ensure that no vehicle maintenance and fuel storage will occur on site; 2. Ensure that there is a spill response plan so that there is no polluted flow into the stormwater management system; 3. Store landscape materials so that flow from rain or snowmelt does not carry them into and clog the stormwater management system (bark mulch floats); and 4. Ensure that there are good maintenance practices to reduce the amount of pollutants entering stormwater runoff, including regular catch basin cleaning.</p> <p><i>Note: At June 4 meeting, Woody reported that stormwater system previously built for the property, was not built according to plans and cannot be certified by the City. Property owners are preparing a plan as to what must be done to remedy the situation and then determine whether they will move forward.</i></p>
	Cumberland Farms Convenience Store and Gas Station, 1134 Southampton Road	Cumberland Farms	Mark Glocki, VHB	<p><i>Planning Board requested BAPAC review because project is located within 1,000 feet of the Zone II for Westfield's water supply wells #7 and #8. It is also located within 1,500 feet of the Zone II for Southampton's water supply wells #1 and #2. Cumberland Farms proposing 4,500 square foot convenience store, gas station with a total of 10 gas pumps, and parking area. Fuel will be stored in two 20,000 gallon double walled underground tanks. For stormwater management, roof drainage is directed to 8 downspouts directly into an underground detention system. Other drainage from the site is directed to 5 catch basins with 4-foot sumps and oil/debris traps. From the catch basins, stormwater is piped to two Stormceptor System Stormwater Quality Treatment</i></p>

DRI / Date	Location and Name of Project	Owner/ Developer	Project Representative	Issues / Requested Info / Actions
				<p>devices, which then deliver flow to an underground detention system intended to manage peak flow, a series of Stormtech SC-740 chambers. The first row of chambers in this system will be wrapped in filter fabric to ensure that the first inch of a storm receives additional treatment. Stormwater then outlets from the underground system to a riprap plunge pool toward adjacent wetlands. Six recommendations from BAPAC for this project: 1. Stipulate that the release detection system for underground fuel storage and conveyance can meet performance requirements through a neutral third party certification following installation; 2. Request assurances that inspection schedules will meet federal and new state regulations (when they are issued); 3. Require that as the regular fuel tank inspection and monitoring reports are completed, they are forwarded to both the Westfield Health and Water Departments; 4. Ensure that the frequency of inspection and maintenance to the storm water management system, the catch basins, the Stormceptor units, and the Isolator Row occurs as proposed; 5. Stipulate that no synthetic chemical fertilizers or pesticides be used for landscaping work; and 6. For winter de-icing use ecologically friendly alternatives to sodium chloride.</p>
April 2, 2013	Undercutters Tree Landscaping, 988 Southampton Road	Linnae and Carl Delp	Linnae and Carl Delp	<p>Delps planning rental of unit at 988c Southampton Road to store firewood, approximately 50 to 100 cords. Whole logs to be delivered to the back of the lot, beyond the parking area. Wood will then be cut, stacked, and stored on site. It will be stored on dirt or wood chips away from the parking area. Will also store 2 vehicles inside and 2 vehicles outside, but no storage of fuel on site. Site is currently zoned for industrial use and the location provides a base of operations for a machine shop, a mechanic, and electrician. Two recommendations from BAPAC for this project: 1. Ensure that storage of wood does not allow woody material to be carried by flow from rain or snowmelt into the stormwater management system; 2. Secure vehicles inside of locked fence in the evenings if possible.</p>

DRI / Date	Location and Name of Project	Owner/ Developer	Project Representative	Issues / Requested Info / Actions
June 4, 2013	Gulfstream, Elise Street	Gulfstream	Dennis Bolduc, BMS	<p>Gulfstream proposing to create 20,000 gallons in additional fuel storage at the Gulfstream Maintenance Facility to receive fuel from aircraft that are being maintained or garaged. (There is already a 20,000 gallon fuel structure that is used for direct sale to aircraft at Gulfstream's facility.) The new structure entails a double walled steel above-ground tank with two 10,000 gallon compartments. The tank will be housed in a concrete reinforced epoxy lined containment area that is sized to contain 110% capacity or 22,000 gallons. City of Westfield's Wells #7 and #8 are located downgradient of the proposed project. Two recommendations from BAPAC for this project: 1. Install monitoring well for the purpose of safeguarding groundwater quality with a report of all sampling results forwarded to the Westfield Water Resources Department and to BAPAC; 2. Ensure that there is a clearly articulated Emergency Spill Response Plan that addresses how the plan itself will be maintained and updated over time and who will have that responsibility.</p>
	Indian Motor Cycle Sales, 962 Southampton Road	Dennis Bolduc, BMS	Dennis Bolduc, BMS, and Jeff Collingwood	<p>Purchasing property at 962 Southampton Road for a new motorcycle distributorship, but also are exploring the possibility of whether the back of the lot might be used to park contracting business equipment. BAPAC members indicated that if the proposal involves only the motorcycle business their proposal does not appear to pose any increased threat to the Aquifer compared to the current use. As part of the plan, it will be critical to ensure that all motorcycles are stored inside the building and no vehicle maintenance or fueling occurs on site. Parking contracting equipment at the back of the lot would require extending the paved area and installation of a system to manage stormwater and potential fuel spills. BAPAC recommendation: if project moves forward, BAPAC should review the plan.</p> <p><i>Note: Project moved forward only with change in use for the motorcycle distributorship and no modifications to the site itself to accommodate contracting equipment at the back of the lot.</i></p>

Aquifer Land Conservation Program

The protection of important aquifer recharge land has always been a goal of the committee, but BAPAC has recently moved to become more proactive in seeking its protection. During FY2012, BAPAC revised its strategy for identifying land conservation priorities. Rather than meet with land trusts at the outset, PVPC began by meeting with BAPAC representatives and other municipal officials involved in drinking water interests in Easthampton, Westfield, and Southamptton.² In this first round of meetings, participants relied on the criteria developed in FY2011 to begin identifying priority lands for conservation.

During 2013, BAPAC focused on advancing protection of 30 acres near Broad Brook in Southamptton of key interest to the Easthampton Water Department. The work began through conversations with a representative of Winding River Land Trust who provided an introduction to the landowners at an initial meeting. A subsequent meeting with the landowners and several BAPAC representatives entailed walking the land and getting a sense of interests and needs. It was hoped that the Easthampton Water Department would be able to cover appraisal costs in advance of an application to the Executive Office of Energy and Environmental Affairs for the Drinking Water Supply Protection Grant Program. Funding for an appraisal, however, will be sought in FY2014 through other sources so that the conversation with the landowners can advance. Early explorations with both DCR and MassFish and Wildlife, indicated that neither agency is interested in collaborating on this land protection effort.

Joint Letter with Boards of Health to Private Well Owners

PVPC contacted health agents and boards of health to ascertain interest in developing a joint letter to inform private well owners about best practices for protecting drinking water supply. Easthampton, Southamptton, and Westfield all expressed interest. PVPC met with the Southamptton board of health chair and health agent, and talked by phone with health agents in Easthampton and Westfield to coordinate on the content of the letter and how health departments might issue the letter, piggybacking it on other scheduled mailings.

With so much information to convey, PVPC proposed that the communication be done as a series and BAPAC members agreed. The series will be as follows:

1. Summer - The water we drink is beneath our feet

² Holyoke opted out of BAPAC's land conservation work since the aquifer area in their jurisdiction is primarily residential with 2-acre zoning. Rather, their land protection interests for water supply lie outside of the Barnes Aquifer around the Tighe Carmody Reservoir.

- Make connection between what you do on your property impacting the quality of drinking water supply...recharge area on your property.
- Avoid using chemical pesticides or fertilizers on your lawn and garden.
- Do not drain your car's used oil onto the ground or into storm drains in the street. Bring your used oil with your sales receipt to service stations or auto dealerships that have storage and proper disposal facilities.
- Keep your septic system in good working order and avoid toxic or hazardous substances down the drain. .
- Install reduced flow shower heads, faucet aerators, and low flow toilets when possible. Water conservation reduces the demand on groundwater resources. Conservation also allows septic systems to function better and longer.
- If you see activities that could adversely impact our local water supply, please call local authority.

2. Fall - Proper care and testing of well

- Test your water every year for coliform bacteria and nitrite and every 8 to 10 years for arsenic, chloride, copper, fluoride, hardness, iron, lead, manganese, pH, sodium, and VOCs. Use a DEP certified laboratory. See: <http://public.dep.state.ma.us/Labcert/Labcert.aspx> for list of labs. For information on interpreting your test results, call ...
- Keep good records to track well installation, maintenance, inspections, repairs, and water tests. Having this log of activity will assist you in detecting problems early, noticing changes over time, and quickly informing an expert to help in diagnosing problems if something does go wrong. These records can also be helpful to any future owners of your home.
- Think about how might also talk about use of proper filters in TCE affected areas.

3. Winter – best practices

- Check your underground storage tank for leaks. Check the level of oil in the tank with delivery information to detect possible leaks. Tanks that are 20 years old should be removed because of the high potential for leakage and costly clean up.
- Use sand instead of salt for snow removal on driveways or sidewalks.

Work with Boards of Health to Ensure Follow up with Residents in TCE Affected Areas

Due to demands in other parts of the work program, BAPAC did not move this item forward in FY2013.

Public Education and Outreach

Overhaul Design of BAPAC Website

Major work this year went into overhauling the design of BAPAC's website with a complete reorganization of pages, new written material, and images. Based on input from BAPAC members, the website is tailored to what the committee views as the two major audiences: property owners and developers. The BMP Toolkit appears within sections for both audiences. In the coming year, website work will continue, including improving mapping resources, adding existing studies, and enhancing the educational resources for a K through 12 audience.

Green Awards and Drinking Water Week

BAPAC members sought to rekindle the tradition of Green Awards and suggested that PVPC try to coordinate this to occur in tandem with Drinking Water Week. PVPC talked with Massachusetts Water Works Association and coordinated to be able to present the Green Awards at their event in Springfield. PVPC also issued a call for nominations, but received only one nomination in response. Members decided to forgo the awards until there are some good projects to recognize in the Aquifer.

Promote BMP Toolkit

Work to promote the toolkit this year occurred within the context of the website upgrades.

3. Recommendations for Fiscal Year 2014

In addition to the administration and reporting required for the 10 annual advisory committee meetings, BAPAC will continue to work during FY2014 on tasks under three specific categories:

- Reducing Threats to the Aquifer
- Public Education and Outreach, and
- Extend Work and Develop Additional Funding Sources

Because the scope of work is extensive and there is a desire to not lose site of existing tasks (though they may not be completed), tasks are listed here in priority order:

Task	Strategy	Category
1. Continue to conduct reviews of Developments of Regional Impact (DRIs)	Seek timely DRI submittals from local communities for BAPAC review and comment Provide planning boards and water departments with map showing extent of Zone 2 in each municipality	Reducing Threats to the Aquifer
2. Determine how forthcoming Sustainable Water Management Initiative (SWMI) regulations will affect BAPAC communities and water supply	As a first step, invite DEP representative to meet with BAPAC to learn more	Reducing Threats to the Aquifer
3. Advance protection of priority aquifer recharge lands	Focus on protection of 30 acres on Cook Road in Southampton, facilitating efforts to obtain an appraisal, continuing conversations with the landowners, and identifying and applying to funding sources for acquisition.	Reducing Threats to the Aquifer
4. Finish work to overhaul the BAPAC website	Specifically produce the following: <ul style="list-style-type: none"> ▪ Overlay Zone II and well locations over surficial 	Public Education and Outreach

Task	Strategy	Category
	geology maps <ul style="list-style-type: none"> ▪ New graphic on Aquifer formation ▪ Develop section on K-12 resources ▪ Links to important studies about the Aquifer ▪ Additional photos (including photo of BAPAC meeting) 	
5. Offer BAPAC review of any new well regulations in development by local boards of health. <i>Easthampton, Westfield, and Southampton are in the process of revising regulations.</i>	Learn about geothermal from project at Williston Northampton School and identify what other information may be available for guidance on geothermal wells in drinking water supply areas. Restate importance of prohibitions on irrigation wells for agriculture within the Aquifer	Reducing Threats to the Aquifer
6. Continue working with Boards of Health on series of joint letters to all private well owners	Letters inform private well owners, including owners of private irrigations wells, what they should and should not do to help ensure Aquifer protection	Reducing Threats to the Aquifer
7. Capitalize on Drinking Water Week to advance awareness of the Barnes Aquifer	This could include one or two of the following: <ul style="list-style-type: none"> ▪ A tri-fold brochure to promote the website and BMP toolkit – among residents, local developers, and DRI proponents ▪ A brochure or magnet that lists how to help protect drinking water supply through the seasons ▪ A tour of the aquifer with a local cable channel ▪ Guest column to run in local newspapers 	Public Education and Outreach
8. Help BAPAC communities understand best practices for winter road maintenance	Explore possibility of workshop focused on best snow and ice operation practices for water supply areas.	Reducing Threats to the Aquifer
9. Conduct follow up testing to understand whether TCE is still present in the aquifer.	With DEP data on TCE as a baseline (B. Newton has), collect new samples to understand what is happening with	Reducing Threats to the Aquifer

Task	Strategy	Category
	TCE in the Aquifer. One important first step is to understand why results from Smith College lab have been different from Easthampton. M. Czerwiec has suggested that a 3 rd lab be used to help understand where issue may be.	
10. Explore interest with Southwick and West Springfield in joining BAPAC.	Invite representatives from these communities to a BAPAC meeting.	Extend Work and Develop Additional Funding Sources
11. Seek summer intern help from either Smith or Mt. Holyoke College	Apply to internship programs to solicit help on BAPAC projects	Extend Work and Develop Additional Funding Sources
12. Seek funding to advance BAPAC's work	Investigate possible grants, including Massachusetts Environmental Trust, SWMI, and Drinking Water Protection Program grants where BAPAC has projects that match grant-making interests	Extend Work and Develop Additional Funding Sources

BAPAC members are also interested in proceeding with some early steps toward strategic planning. If intern assistance is available, PVPC will begin this process with a review of BAPAC work to date. This will entail reviewing all of BAPAC's annual reports to define what the group has done in the past, an exercise that would help to inform the group in defining a path for the future.

4. Proposed Budget for Fiscal Year 2014

	Hours	Cost*	% Total
Administration/Reporting			
▪ Advisory Committee Facilitation (10 meetings and including meeting agendas and notes)	40	\$2,640	
▪ Annual Report	8	\$528	
▪ Postage, copies, travel, computer fee		\$270	
<i>Subtotal</i>	48	\$3,438	34%
Reduction of Threats to the Aquifer	50	\$3,300	33%
Public Education and Outreach	40	\$2,640	27%
Extend Work and Develop Additional Funding Sources	10	\$660	6%
TOTAL	148	\$10,038	100%

*Cost estimates based on PVPC rate of \$66/hour (includes fringe and overhead at 118.8%)

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Appendices

Appendix A Ongoing Issues Affecting the Barnes Aquifer

Appendix B Meeting Agendas and Minutes

Appendix C Developments of Regional Impact (DRI) Comment Letters

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Appendix A: Ongoing Issues Affecting the Barnes Aquifer

Trichloroethylene (TCE) Contamination

In the early 1990s, the aquifer extending from Easthampton to Westfield was rendered largely unsuitable as a drinking water supply when it was found to be contaminated with trichloroethylene (TCE). At the onset of the investigation, the Hendrick Street Well Field and the adjacent Pines Well supplied drinking water to the City of Easthampton. This public water supply provided more than fifty percent of the City's drinking water needs.

The Massachusetts Department of Environmental Protection (DEP) sampled and inventoried nearly 400 private wells in Easthampton, Southamptton, Holyoke and Westfield. Numerous public and private wells in Easthampton, Holyoke and Southamptton had to be treated or shut down. In addition, DEP installed hundreds of microwells, enabling the sampling and analysis of groundwater, sampled surface water, and performed soil gas surveys and obtained soil samples to define the extent and pathway, as well as determine the source(s) of the TCE contamination that extended 4.5 miles within the aquifer. Hampton Ponds was also sampled and found not to be contaminated. The TCE contamination within groundwater is found at depth.

DEP's investigation identified Southamptton Sanitary Engineering (SSE) and General Electric (GE) as potential responsible parties. GE has denied responsibility for dumping TCE and contaminating the aquifer, but has performed voluntary cleanup activities at the release site on Dupuis Road. SSE claimed they did not have the financial resources to perform further investigation and remediation. Much site assessment and some cleanup activities have been performed at this site by MA DEP.

The City of Holyoke closed two municipal wells in West Holyoke due to the TCE contamination. The City of Easthampton had to construct a water treatment plant for the same reason, costing approximately \$800,000. MA DEP estimates it has expended in excess of \$2 million in private well sampling, assisting in costs for the Easthampton water treatment plant, and risk reduction measures such as supplying bottled water and treatment filters. Approximately 30 homes in Southamptton and West Holyoke had TCE at levels of concern. DEP assisted Southamptton with more than twenty of the thirty affected residences within their community by applying funding intended for filters to purchasing a pipeline for delivery of municipal water at a cost of approximately \$200,000. Because of the unavailability of public water in most areas of West Holyoke (Rock Valley Road, Labrie Lane, Keyes Road and Mueller Road), DEP arranged for bottled water for the short term and installed and maintained (for two years) whole house granular activated carbon filters in the eight remaining affected residences. Residents were provided with written sampling and maintenance recommendations and are sent annual reminders from DEP. DEP and the City of Holyoke estimate that it will cost approximately \$800,000 to \$1 million to install public water lines on Labrie Lane,

Rock Valley Road, Keyes Road and Mueller Road. The City of Holyoke has stated it is unable to finance such a project at this time.

The activated carbon filters cost approximately \$2,000 per year to maintain and it is unclear how many homeowners are in fact maintaining their filters. It remains unclear whether homes built or purchased after filters were offered by DEP have measures in place to reduce their risk of exposure to harmful levels of TCE. Although public water is available in Southamptton and Westfield, some property owners have chosen not to hook up and are still using TCE contaminated wells. At a public meeting in 2006 held by the Clean Water Coalition at the Hampton Ponds Association's building on Apremont Way numerous residents of the Hampton Ponds area of Westfield, Southamptton and Holyoke stated that they were unaware that there was a contamination issue and that they were utilizing private wells. It is unknown how many people are in this situation. It is likely that these people took ownership of their homes after DEP had performed their outreach and were never contacted directly.

At BAPAC's invitation Catherine Skiba, Service Center Manager for Mass DEP attended a January 2012 meeting to answer questions and review information from DEP's latest work on the TCE contamination. Following are the main points that arose during the discussion:

- DEP's work was aimed at identifying the sources of TCE contamination. As such the agency's mapping is illustrative in nature (a "cartoon") depicting conservatively the maximum areal extent in which groundwater contamination had been detected and not a delineation of a plume per se. Contamination generally has been detected in some wells in an extensive area from the Pequot Pond area in Southamptton to the Hendrick Street wells in Easthampton. As part of this investigation, DEP sampled more than 400 private wells and also installed 278 micro-wells to identify the approximate area and the source of the TCE contaminant plume. DEP's work was intended to identify the source(s) of the contamination and to assist in identify impacted private drinking water wells. DEP's work does not show how concentrations of TCE are trending and it also does not show how the contaminant plume is moving. There is so much variability in the aquifer and it is such a complex hydrogeological environment that it is difficult to do this.
- DEP did a comprehensive investigation and identified 2 Potentially Responsible Parties (PRP), including Southamptton Sanitary Engineering for their site at 80/82 Pequot Road, Southamptton, and GE for two sites in West Holyoke (Dupuis Road and Apremont Highway), which may have been a 1950s dumping area for their Jackson Street facility (PCBs were also detected at these sites and cleaned by GE). The Pequot Road site has been split in two with one part of the site still requiring clean up and the other having had an RAO statement submitted. (An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least

ensure that all substantial hazards were eliminated.) The Dupuis Road site in Holyoke remains in the Bureau of Waste Site Cleanup system; an RAO has not yet been filed. The Apremont Highway site has had an RAO filed.

- Although two locations have received RAO's, residual contamination remains in the groundwater. A discussion regarding persistence of the contaminants in the groundwater ensued and Bob Newton noted that modeling done by Smith College indicates the contaminants would decrease and eventually be flushed out of the aquifer in a 50 to 60 year time period (this is somewhat speculative based on the assumptions of the model and is not definitive).
- With the discovery of this contamination, major work went into getting affected homes off of private wells and onto public water. Southampton extended water mains to many of the affected areas. There were 9 affected homes that were provided filters for their private wells. DEP has worked with these homeowners to remind them about the importance of maintaining the filters at their homes. Homes that received the last reminder letter from MassDEP on January 13, 2010 were located on Keyes Road, Mueller Road, Rock Valley Road, and Southampton Road.¹
- Holyoke representatives noted there may be additional homes that have since been built in these areas.
- DEP's last letter to homeowners on private wells about filters went out in 2010. It is important for Boards of Health to pick up on this work with those still on private wells. There are no requirements for homeowners to test their wells for TCE. In fact, it was noted that they may be reluctant for fear of impacts on property values.

As a follow up to the update from DEP, BAPAC members agreed that TCE Contamination Study follow up should be added as a work plan item this. PVPC contacted Boards of Health in each municipality about well regulations, and reviewed DEP's October 2011 revised well recommendations for Boards of Health. Based on this review, PVPC then drafted recommendations to add provisions that:

A. require testing of existing private wells for TCE (or possibly all Volatile Organic Compounds/VOCs) during property transfers; and

¹ Southampton's 2012 annual report for the Water Department notes the following: "It is also important to remind the residents of Southampton that over a decade ago the Water Department extended its public water service into the eastern section of town....This was done at great expense to benefit the health and safety of Southampton residents living in that area....Even after all that time, however, roughly one hundred homes in the area have still not connected to the safe public water supply. This means that about three hundred men, women, and children who live in Southampton are still drinking the raw groundwater from the Barnes Aquifer without water treatment and possibly putting their family's health at risk."

B. ensure that any new private wells are tested prior to issuance of a building permit. All test results should be submitted to the Board of Health which may at its discretion forward results to BAPAC. Holyoke's Health Director requires testing for all VOCs on all new wells.

Possible next steps might include:

- Ask Boards of Health how BAPAC might help with outreach to homeowners in TCE affected areas

- Building on DEP's list of private homes with which they have been in contact regarding TCE and filters, work with Boards of Health to add to this list any homes that have been built in the affected areas and determine whether they are on private or public water supply. (Board of Health should have records on this.)

Development and Abandoned Monitoring Wells

Development pressures within the Barnes Aquifer Zone II are significant. Although each of the four communities enacted aquifer protection district zoning and participate in a regional aquifer oversight committee called the Barnes Aquifer Protection Advisory Committee (BAPAC), commercial, industrial and residential development continues to consume important recharge land, bringing with it new threats and opportunities for aquifer contamination.

One of the greatest threats to the aquifer associated with past contamination and on-going development is the installation of hundreds of monitoring wells within the Zone II. Sites where monitoring wells have been installed include commercial and industrial facilities, and 21E sites. In recent years, BAPAC has become increasingly aware of abandoned monitoring wells that are either not known to the current property owner or long since forgotten by them, yet not decommissioned. Abandoned wells that have not been decommissioned are a direct conduit to the aquifer and serve as a potential avenue for contamination.

In each of the four Barnes Aquifer communities, as well as many statewide, there are no local regulations requiring the decommissioning of monitoring wells once they are no longer of use. Likewise, M.G.L. c. 21E also does not require monitoring wells to be decommissioned once a site is beyond the five year audit period. According to the Office of Water Resources at MA Department of Conservation and Recreation, statewide 10,000 wells (both productive and monitoring) were installed in 2005 and only 750 wells decommissioned.

Examples of this threat to the aquifer are as follows. Beavers dammed Pond Brook near Westfield municipal Well #8. The dammed water came within feet of covering a monitoring well installed during construction of Well #8. It is unknown if monitoring

wells exist on other properties inundated by beaver activity. Also, at Westfield municipal Well #3 in 2008, bacteria counts at the well prompted an investigation of monitoring wells in the area which found one monitoring well where the lock had been broken off by vandals and the cap left off. Well #3 and the monitoring well were both disinfected and the monitoring well re-secured. Last, MEPA Environmental Impact Reports from the early 1990s for Summit Lock Industrial Park in Westfield, the site of C&S Wholesale, identify the installation of 17 monitoring wells on a 139 acre parcel and an additional 12 on an adjacent parcel. Under MEPA, these wells were to be monitored annually and data submitted to DEP and the Westfield Water Department. Records indicate that the last round of sampling occurred in 1999. After several recent attempts to communicate with C&S about the status of their wells, the operations manager acknowledged that their monitoring program had been discontinued and he wasn't even sure where the wells are located.

Road Salt Contamination of Domestic Wells

BAPAC and Smith College conducted an on-going investigation of the impacts of road salt on domestic wells in an area of Southamptton and Westfield along Routes 10 and 202. Route 10 is maintained by MassHighway; Route 202 is maintained by the City of Westfield. The investigations have been as follows:

- In three sampling rounds between December 2004, September 2005, and March 2006, approximately 35 private wells were sampled. More than 25 of these wells were determined to be salt impacted with sodium concentrations above the 20 mg/l limit set by the Massachusetts Office of Research Standards and Guidelines (ORSG) and chloride levels above the 250 mg/l Secondary Maximum Contaminant Level (SMCL).
- In April 2008, 90 wells in Southamptton, Westfield and Holyoke were sampled for sodium, chloride, nitrate nitrogen, calcium, magnesium, potassium, lithium, sulfate, nitrate, dissolved silica, arsenic, lead, barium, and hardness. Of those samples, 38 were salt impacted from road salt and 17 other wells had naturally high sodium levels. Ten (10) wells, all in the Round Hill area had arsenic levels above 5 ppb which is considered high but not above the MCL. Also noteworthy, road salt is causing the groundwater to become hard by exchanging sodium for calcium and moving calcium into solution.
- In 2009, Mass DOT initiated a road salt impact study on two private wells at 407 College Highway (Route 10) in Southamptton. The study was the result of a complaint filed by the property owner stating their well had been contaminated by road salt applied by MassDOT. According to MassDOT, the study was discontinued after one round of sampling found both wells to test positive for bacteria. The property owner was provided instruction on how to sterilize the well. Once completed and free of bacteria, MassDOT would resume the study. According to

MassDOT, the property owner was non-responsive and thus the study discontinued. MassDOT is willing to resume the study and work with the property owner if the well is disinfected.

- A fifth round of private well sampling was performed on June 3, 2009 at 16 residences and 1 business on Jaeger Drive, North Road, Southampton Road, and Old Stage Road in Westfield. The sites were selected to gather further information about long term trending of sodium chloride levels in the aquifer.

There are approximately 12 homes on private wells on Route 10 within the vicinity of Swanson Corners in Southampton to the intersection of Route 202 in Westfield. Several of these well owners participated in the road salt study conducted by BAPAC and several of the participating wells were found to be highly impacted by road salt contamination. Along Route 10, there are 4 homes in Southampton and 4 in Westfield that participated in the salt study and were identified as salt impacted. There may be more wells affected, but they did not participate in the study and have not been identified. For people on medically prescribed sodium restricted diets, the high sodium levels in these wells could pose a significant health risk. Therefore, BAPAC continued to investigate options for providing municipal water to this area.

The City of Westfield is currently extending municipal water service along Route 202 to a proposed Assisted Living facility and up to the Purple Onion Restaurant/bar at the intersection of Route 10. One salt impacted well in this area will be provided municipal service via this extension. Due to elevation and head pressure, however, it is not feasible for the City of Westfield to extend its water line to the Southampton border. As an alternative, the Westfield Board of Water Commission voted to support extension of Southampton's municipal water service into Westfield to service private wells impacted by road salt that the City of Westfield is unable to reach. The Southampton Water Department is willing to service the homes in Southampton and Westfield that are affected, but would need funding assistance to implement such a public works project.

The Southampton Water Department provided a cost estimate totaling \$128,700 to install 3,900' of pipeline (\$33/foot installed) with all hydrants services and valves (utilizing Highway/Water Department labor rates).

Community Development Block Grant (CDBG) has been identified as a possible source of funding. The issues that remain outstanding relative to CDBG are:

- Which CDBG National Objective is addressed?
- What were the demographics of the homes being serviced (are they CDBG eligible)? An income survey would be needed.
- Could you use Westfield CDBG funds in Southampton and servicing Southampton homes? Westfield is an entitlement community and Southampton is not.

- Possibility of Southampton applying for MA CDBG Small City's funds for their portion
- Unlikelihood of meeting Westfield's FY11-12 CDBG Program deadline (proposals are due in January)
- Westfield only receives around \$440,000/yr in CDBG funds, of which about half goes to paying back a bunch of bad Section 108 Loans. The Mayor and City Council would need to decide if this was a priority.
- PVPC is administering a FY2010 CDBG program for Southampton. The Town may be eligible to apply for FY2012 in December but there are a number of milestones relative to progress on their current project that need to be accomplished before determining if they would be eligible to apply.

Other possible next steps include: Contacting MassDOT about resuming the road salt study; contacting affected well owners to determine if they would connect to municipal service if available; and, exploring alternative funding sources to extend water service.

Closure of the Northampton Landfill

The City of Northampton currently operates a regional landfill on Glendale Road in Northampton. The landfill is located within the Zone II of Easthampton's Maloney Well. The City of Northampton was planning to expand the operation to increase the lifetime of the facility and allow for the disposal of more municipal waste. Due to strong local opposition to the landfill expansion, The Board of Public Works voted in January 2010 not to seek a Special Permit for the landfill expansion without further guidance from the Mayor and City Council citing costs to prepare such a permit application without really knowing if the Council will approve it. The Northampton City Council also voted in the Spring of 2010 not to support the expansion. The City is preparing for closure of the landfill in March of 2013 and has issued a Request for Proposals for hauling and/or disposal of waste from its two residential drop-off centers.

Local Water Supply Ordinances

In 2007, PVPC reviewed municipal water supply protection bylaws and ordinances and provided recommendations using DEP's 2005 model ordinance as its reference. Implementation of recommendations could qualify communities for waivers on frequency of testing, and also possibly affect ranking in grant applications. In 2012, BAPAC's workplan included a task to understand what of the recommendations have and have not been adopted and what strategies or next steps might be helpful.

Easthampton — BAPAC learned that recommendations were not adopted and got bogged down in the discussion about the designation for the northern aquifer area in town. Easthampton sought to propose a standard based on thickness of the clay layer, but DEP at that time did not want to have different standards for the northern part of the aquifer than the southern part of the aquifer in Easthampton. PVPC revisited the question with a DEP official about allowing for a standard based on clay thickness. DEP

noted that there are many holes in the clay layer and so many unknowns that it puts a great burden on property owners to prove thickness of the clay layer. DEP does not have a mechanism to allow for such a standard, but the City could formally petition DEP for an allowance, seeking relief from regulation. The DEP official noted that the City ought to not be hopeful about the outcome of such a petition.

BAPAC Advisor Bob Newton observed that the holes in the clay layer are limited to areas where Eskers are present. In addition, the pressure from the underlying aquifer is so high, he noted, that groundwater flows up and out of these holes, which would presumably keep contaminants up and out of the aquifer. Clay ranges in thickness from zero to more than 100 feet in some places and that thickness could be determined based on a method called seismic refraction.

Given DEP's position, PVPC briefly discussed with Easthampton's new Planning Director Jessica Allan how to begin exploring the implications for the City. Extending current aquifer standards to the northern part of the City would result in pre-existing non conforming uses. Any change of use in a particular location would need to conform with the new zoning. Getting answers to several questions may be important: What studies have been done to date of this aquifer area? To what extent does the northern aquifer area have land uses that are prohibited by current aquifer zoning? Has there been a delineation of the clay layer? Are there ways to manage uses outside of zoning?

Next steps in Easthampton could include exploring implications of not being able to use a clay thickness standard for the northern Zone II in Easthampton. Once a proposal can be made to establish an aquifer protection zone in the north, former City Planner Stuart Beckley has suggested that BAPAC hold one meeting with the planning board to inform them about the ordinance changes and then go to the City Council to present on the issue to them. It would be good to get 10 voters interested in the issue to help support the changes.

Holyoke— BAPAC's Holyoke representatives have noted that the area of Holyoke in the Zone II already has protection through 2-acre lot size and 200-foot frontage requirements and that additional restrictions to the ordinance may not be necessary.

Southampton— Southampton representatives were unable to confer with municipal colleagues to determine whether it may be possible to move forward. Through follow up work in 2013, PVPC learned that revising regulations is a priority for the Board of Health.

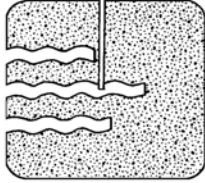
Westfield — There has been no action on BAPAC's 2006 recommendations. Updates to the ordinance may occur as part of the permitting process for a new well. Through follow up work in 2013, BAPAC learned that the Board of Health is in the process of revising regulations.

DEP has new a new model regulation issued in 2011. Possible next steps for the future include reviewing where there have been changes from the 2005 model to update BAPAC's recommendations to municipalities.

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Appendix B: Meeting Agendas and Minutes

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BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

MEETING NOTICE

BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

DATE: Tuesday, September 4, 2012

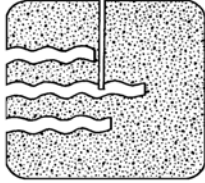
TIME: 3:30 PM

PLACE: Easthampton Municipal Office Building
50 Payson Avenue, Easthampton

Agenda

- 1. Adoption of Meeting Minutes from:**
June 5, 2012
- 2. Developments of Regional Impact**
- 3. Report on FY 2012 Activities**
- 4. FY 2013 Work Plan**
- 5. Other Business**
- 6. Next Meeting**

**City/Town Clerks: Please post this notice per Massachusetts General Laws,
Chapter 39, Section 23, A-C**



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

MEETING NOTICE

BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

DATE: Tuesday, October 2, 2012

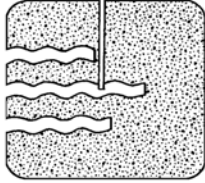
TIME: 3:30 PM

PLACE: Easthampton Municipal Office Building
50 Payson Avenue, Easthampton

Agenda

- 1. Adoption of Meeting Minutes from:**
September 4, 2012
- 2. Developments of Regional Impact**
- 3. Organization of Committee**
 - Vote for officers
 - Review member terms
 - Associate members
- 4. Report on FY 2012 Activities**
- 5. FY 2013 Work Plan**
- 6. Member Dues**
- 7. Other Business**
- 8. Next Meeting**

**City/Town Clerks: Please post this notice per Massachusetts General Laws,
Chapter 39, Section 23, A-C**



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

MEETING NOTICE

BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

DATE: Wednesday, November 7, 2012

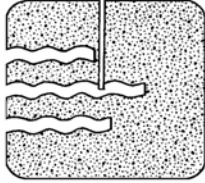
TIME: 3:30 PM

PLACE: Easthampton Municipal Office Building
Conference Room B, Easthampton

Agenda

- 1. Adoption of Meeting Minutes from:**
October 2, 2012
- 2. Developments of Regional Impact**
- 3. Report on FY 2012 Activities**
- 4. FY 2013 Work Plan**
- 5. Other Business**
- 6. Next Meeting**

**City/Town Clerks: Please post this notice per Massachusetts General Laws,
Chapter 39, Section 23, A-C**



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

MEETING NOTICE

BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

DATE: Tuesday, December 4, 2012

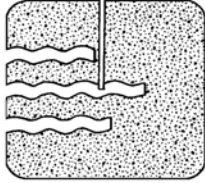
TIME: 3:30 PM

PLACE: Easthampton Municipal Office Building
50 Payson Avenue, Easthampton, MA

Agenda

- 1. Adoption of Meeting Minutes from:**
November 7, 2012
- 2. Developments of Regional Impact**
- 3. Drinking Water Week (May 5-11)**
- 4. Website**
Sources of information
- 5. Additional Funding Sources**
SWMI Grant
Value of aquifer project
Aquifer data and information
- 6. Other Business**
- 7. Next Meeting**

**City/Town Clerks: Please post this notice per Massachusetts General Laws,
Chapter 39, Section 23, A-C**



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

MEETING NOTICE

BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

DATE: Tuesday, January 8, 2013

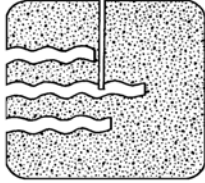
TIME: 3:30 PM

PLACE: Easthampton Municipal Office Building
50 Payson Avenue, Easthampton, MA

Agenda

- 1. Adoption of Meeting Minutes from:**
December 4, 2012
- 2. Developments of Regional Impact**
Robert M. Levesque, Levesque Associates
 - Realignment/Reconstruction of Airport Industrial Park Road, Westfield
 - Chalmers Kubeck - North, Elise Street, Westfield
- 3. Green Awards for Drinking Water Week (May 5-11)**
Draft call for nominations
- 4. Follow up with Boards of Health**
Meeting with Southampton Board of Health
Brainstorm joint letter to homeowners
- 5. Other Business**
- 6. Next Meeting**

**City/Town Clerks: Please post this notice per Massachusetts General Laws,
Chapter 39, Section 23, A-C**



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

MEETING NOTICE

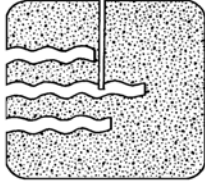
BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

DATE: Tuesday, February 5, 2013
TIME: 3:30 PM
PLACE: Easthampton Municipal Office Building
50 Payson Avenue, Easthampton, MA

Agenda

- 1. Adoption of Meeting Minutes from:**
January 8, 2013
- 2. Developments of Regional Impact**
- 3. Green Awards for Drinking Water Week (May 5-11)**
- 4. Follow up on Land Protection**
- 5. Other Business**
- 6. Next Meeting**

**City/Town Clerks: Please post this notice per Massachusetts General Laws,
Chapter 39, Section 23, A-C**



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

MEETING NOTICE

BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

DATE: Tuesday, March 12, 2013

TIME: 3:30 PM

PLACE: Easthampton Municipal Office Building
50 Payson Avenue, Easthampton, MA

Agenda

1. Adoption of Meeting Minutes from:

February 5, 2013

2. Developments of Regional Impact

- Amanda Zedonis Kemp, Esq., representing Kevin and Jeremy Labrie, 785 North Road, Westfield
- Mark Glocki, VHB, representing Cumberland Farms for a site at the intersection of North Road and Southampton Rd, Westfield

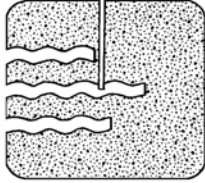
3. Updates on:

- Military-Civilian Community Council Meeting (Woody)
- Easthampton Open Space Planning (Darlene)
- Green Awards for Drinking Water Week (May 5-11)
- Land Protection
- Board of Health joint letter

5. Other Business

6. Next Meeting

**City/Town Clerks: Please post this notice per Massachusetts General Laws,
Chapter 39, Section 23, A-C**



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

MEETING NOTICE

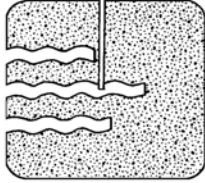
BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

DATE: Tuesday, April 2, 2013
TIME: 3:30 PM
PLACE: Easthampton Municipal Office Building
50 Payson Avenue, Easthampton, MA

Agenda

- 1. Adoption of Meeting Minutes from:**
March 12, 2013
- 2. Developments of Regional Impact**
- 3. Land Protection**
- 4. Joint Letter with Boards of Health**
- 5. Other Business**
- 6. Next Meeting**

**City/Town Clerks: Please post this notice per Massachusetts General Laws,
Chapter 39, Section 23, A-C**



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

MEETING NOTICE

BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

DATE: Tuesday, May 7, 2013

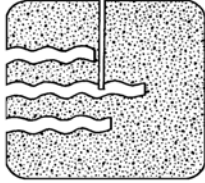
TIME: 3:30 PM

PLACE: Easthampton Municipal Office Building
50 Payson Avenue, Easthampton, MA

Agenda

- 1. Adoption of Meeting Minutes from:**
April 2, 2013
- 2. Developments of Regional Impact**
- 3. Land Protection**
- 4. Joint Letter with Boards of Health**
- 5. Website**
- 6. Other Business**
- 7. Next Meeting**

**City/Town Clerks: Please post this notice per Massachusetts General Laws,
Chapter 39, Section 23, A-C**



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

MEETING NOTICE

BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

DATE: Tuesday, June 4, 2013

TIME: 3:30 PM

PLACE: Easthampton Municipal Office Building
50 Payson Avenue, Easthampton, MA

Agenda

- 1. Adoption of Meeting Minutes from:**
May 7, 2013
- 2. Developments of Regional Impact**
 - Whip City Aviation, Barnes Airport, Westfield
 - Indian Motorcycle Sales, 962 Southampton Road, Westfield
 - Gulfstream, Elise Street, increase fuel storage volume by 20,000 gallons, Westfield
- 3. Jackie Duda, Easthampton Board of Health**
re: permitting new wells for agriculture
- 4. Updates on:**
 - Land Protection
 - Joint Letter with Boards of Health
 - Website
- 5. Objectives for Next Year**
- 6. Other Business**
- 7. Next Meeting**

**City/Town Clerks: Please post this notice per Massachusetts General Laws,
Chapter 39, Section 23, A-C**

**MEETING NOTES OF
BARNES AQUIFER PROTECTION ADVISORY COMMITTEE**

DATE: 9/4/12

LOCATION: Easthampton Municipal Offices, Easthampton, MA

MEMBERS AND DESIGNEES PRESENT:

J. Barrett, Holyoke	J. Burkott, Holyoke	A. Smith, Holyoke
D. Buttrick, Easthampton	<u>X</u> M. Czerwiec, Easthampton	<u>X</u> C. Seklecki, Easthampton
<u>X</u> W. Darling, Westfield	Karen Leigh, Westfield	
James Labrie, Southampton	J. Slattery, Southampton	
R. Newton	<u>X</u> P. Gambarini, PVPC	

Others present: none

TIME OF CALL TO ORDER: 3:40 p.m.

TIME OF ADJOURNMENT: 4:50 p.m.

Action Items from Meeting:

PVPC

- Write up 9-4-12 meeting notes
- Finalize FY2012 Report
- Incorporate changes to FY2013 work plan
- Prepare and distribute agenda for 10-2-12 meeting
- Contact planners and planning boards about BAPAC review of DRIs
- Identify terms of each BAPAC appointee
- Determine whether possible to have at-large appointee

Committee Members

- Review Report on FY2012 Activities
- Review FY2013 work plan (at end of Report on FY2012 Activities)

1. Adoption of June 5, 2012 Meeting Notes

Adoption of the meeting notes was recommended by Mike Czerwiec, seconded by Woody Darling, and unanimously approved.

2. Developments of Regional Impact

Members suggested that with the beginning of a new year for BAPAC, it would be good to reinforce with municipal planners and planning boards an understanding of BAPAC's role with respect to DRIs. Patty will draft letter.

3. Report on FY2012 Activities

Patty walked members through the report on FY2012 activities. Members agreed that Patty ought to devote some time to updating the statistics on the Aquifer for this report that will also serve the work on the website, and other community reports that refer to the Aquifer (such as municipal open space plans). Members will review the annual report and bring any comments to the next meeting. In the meantime, Patty will update the section on Recommendations for Fiscal Year 2013, the discussion for which is shown in the next agenda item below.

4. FY2013 Work Plan

Committee members identified the following as projects for FY2013. These are in addition to the administration and reporting required for running and reporting on 10 meetings, including the annual

report. Among these, the two major priorities are revising the BAPAC website and advancing protection of priority aquifer recharge land.

1. Public outreach and education

- Revise BAPAC website
- Promote BMP toolkit with local developers and DRI proponents

2. Reducing threats to the Aquifer

- Continue to conduct reviews of DRIs
- Advance protection of priority aquifer recharge lands identified in FY2012
- Follow up with Boards of Health on FY2012 letter regarding TCE
- Explore with Board of Health possibility of issuing joint letter to all private well owners about properly maintaining wells, including private irrigation wells

3. Develop additional funding sources

- Identify partner(s) for project to describe the value of the Aquifer in economic terms
- Talk with Bob Newton about identifying possible partner(s) for project to devise a system for organizing, housing, and sharing Aquifer data and information
- Explore possibility of local sponsorships (perhaps based on revised website) for BAPAC initiatives

As for the FY2013 budget of \$10,000, members agreed on the following allocation of time and effort:

Administration and reporting	33% (48 hours of time)
Public education and outreach	34% (50 hours of time)
Reduction of threats	27% (40 hours of time)
Establish additional sources of funding	6% (10 hours of time)

Patty suggested that the long term work plan could include language that promotes a vision for the Aquifer and members agreed. Patty will revise this for members to review at the next meeting.

5. Other Business

For the next meeting, members talked about attending to the organization of the committee, including nominating and voting members to offices and ensuring that those with expired terms are reappointed. Also, based on how the charter reads, discuss the possibility of an at-large member appointment.

6. Next Meeting:

Tuesday, October 2, 2012 @ 3:30 PM
Easthampton Municipal Office Building, 50 Payson Avenue, Easthampton

**MEETING NOTES OF
BARNES AQUIFER PROTECTION ADVISORY COMMITTEE**

DATE: 10/2/12

LOCATION: Easthampton Municipal Offices, Easthampton, MA

MEMBERS AND DESIGNEES PRESENT:

J. Barrett, Holyoke	<input checked="" type="checkbox"/>	J. Burkott, Holyoke	<input checked="" type="checkbox"/>	A. Smith, Holyoke
D. Buttrick, Easthampton	<input checked="" type="checkbox"/>	M. Czerwiec, Easthampton	<input checked="" type="checkbox"/>	C. Seklecki, Easthampton
<input checked="" type="checkbox"/> W. Darling, Westfield		Karen Leigh, Westfield		
James Labrie, Southampton		J. Slattery, Southampton		
R. Newton	<input checked="" type="checkbox"/>	P. Gambarini, PVPC		

Others present: none

TIME OF CALL TO ORDER: 3:35 p.m.

TIME OF ADJOURNMENT: 4:50 p.m.

Action Items from Meeting:

PVPC

- Write up 10-2-12 meeting notes
- Finalize FY2012 Report and incorporate changes to FY2013 work plan
- Prepare and distribute agenda for 11-7-12 meeting
- Revise and send out letter to planners and planning boards about BAPAC review of DRIs
- Continue work on website and land protection
- Send Holyoke invoice to Andrew Smith
- Update membership mailing to remove John Barrett and add Dave Conti from Holyoke
- Confirm reappointments of Mike Czerwiec and Chester Seklecki
- Ask Catherine Skiba about cost of activated carbon filters

Committee Members

- Review Report on FY2012 Activities
- Review FY2013 work plan (at end of Report on FY2012 Activities)

1. Adoption of September 4, 2012 Meeting Notes

Adoption of the meeting notes was recommended by Chester Seklecki, seconded by Woody Darling, and unanimously approved. Jeff Burkott later noted that he would like to see removed mention of Holyoke's urban renewal plan as an example of a community report that refers to the Aquifer. It was suggested that municipal open space plans could be mentioned instead.

2. Developments of Regional Impact

Members reviewed the letter prepared by Patty to municipal planners and planning boards to help reinforce the understanding of BAPAC's role with respect to DRIs. Members agreed that the letter should be sent, with one addition: refer to the guidelines available on the BAPAC website. Patty will make change and send letter.

3. Organization of Committee

For BAPAC Chairman, Jeff Burkott moved, Chester Seklecki seconded, and all voted unanimously to nominate Woody Darling.

For BAPAC Vice Chairman, Andrew Smith moved, Woody Darling seconded, and all voted unanimously to nominate Mike Czerwiec.

Relative to terms and additional members of BAPAC, Patty noted the following:

- For the most part, terms for BAPAC members seem to be ongoing, except for in Easthampton where term ends are associated with appointments. There is not clear direction on terms in the MOA. Though both Mike Czerwec and Chester Seklecki's terms expire as of 12/31/12, they are expected to be renewed. Patty will confirm with Karen Cadieux.
- BAPAC may invite any other person or organization to participate as an associate, non voting member.

Jeff Burkott also noted from the MOA that each municipality and PVPC shall be considered one member of the BAPAC and shall accordingly have one vote. The MOA reads, "Where the representatives of any municipality disagree with one another, they shall determine the vote of their municipality by caucus vote of the three municipal representatives."

4. Report on FY2012 Activities

Members had some additional changes relative to the report:

- For matrix on Barnes Aquifer Service, add number of days a well is active.
- Mention roads of TCE affected homes, but not addresses. Also Jeff sought assurances that the meeting agendas for FY2013 would not have recurring listing of TCE as an item for the agenda.
- Add mention that Holyoke Board of Health Director now requiring testing for all VOCs on all new wells.
- Eliminate Long Term Work Plan from the Report and work to further develop with strategic planning meeting, perhaps next summer.

5. FY2013 Work Plan

There were just a few comments in reviewing the recommendation for the 2013 work plan:

- Woody noted that a letter issued about 10 years ago may be helpful to Task 2D: Explore with Boards of Health possibility of a joint letter to all private well owners.
- Andrew noted that the project to describe the value of the Aquifer in economic terms might just come down to the cost and value of clean drinking water. He mentioned that he had done his masters thesis on valuing of ecological resources.

6. Member Dues

Patty noted that PVPC had not yet received dues from Holyoke and Westfield, but that she understood payment from Westfield is in the works. Andrew suggested that Holyoke's invoice be sent directly to him. Patty will do this.

7. Next Meeting:

Due to the elections on the regular next meeting date, BAPAC will meet instead on:

Wednesday, November 7, 2012 @ 3:30 PM
Conference Room B
Easthampton Municipal Office Building, 50 Payson Avenue, Easthampton

**MEETING NOTES OF
BARNES AQUIFER PROTECTION ADVISORY COMMITTEE**

DATE: 11/7/12

LOCATION: Easthampton Municipal Offices, Easthampton, MA

MEMBERS AND DESIGNEES PRESENT:

J. Barrett, Holyoke	J. Burkott, Holyoke	<u>X</u> A. Smith, Holyoke
D. Buttrick, Easthampton	<u>X</u> M. Czerwiec, Easthampton	C. Seklecki, Easthampton
<u>X</u> W. Darling, Westfield	Karen Leigh, Westfield	
James Labrie, Southampton	J. Slattery, Southampton	
R. Newton	<u>X</u> P. Gambarini, PVPC	

Others present: none

TIME OF CALL TO ORDER: 3:35 p.m.

TIME OF ADJOURNMENT: 4:50 p.m.

Action Items from Meeting:

PVPC

- Write up 11-7-12 meeting notes
- Prepare and distribute agenda for 12-4-12 meeting
- Finalize and distribute Report on FY 2012 Activities
- Talk to DEP about plans for Drinking Water Week
- Look for old BAPAC publications that may be helpful to informing website redevelopment
- Follow up with Easthampton and Southampton health agents on May letter

Committee Members

- Look for old BAPAC publications that may be helpful to informing website redevelopment into files for any former printed BAPAC materials that may be of use for website (Mike and Woody will look in particular for BAPAC Toolkit and Business Booklet)

1. Adoption of October 2, 2012 Meeting Notes

Adoption of the meeting notes was recommended by Mike Czerwiec, seconded by Andrew Smith, and unanimously approved.

2. Developments of Regional Impact

Woody Darling reported that the Gulfstream expansion project at the airport is under construction and that north of this site there are plans in the works for an industrial subdivision.

3. Report on FY 2012 Activities

Adoption of the Report on FY2012 Activities was recommended by Andrew Smith, seconded by Mike Czerwiec, and unanimously approved with changes as discussed for the Introduction: it should be noted that the Aquifer provides water also to many businesses, industries, and institutions; active municipal wells should be changed from 12 to 11, and the table showing Barnes Aquifer service should be included. Patty will make these changes, add appendixes, and then distributed to committee members.

4. FY 2013 Work Plan

Website

Patty indicated she had found a poster called Protecting Drinking Water Supplies developed some time ago for BAPAC that could be invaluable in informing website development. Mike and Woody noted that

there are several other publications that could be helpful: Business Booklet on Source Protection done around 2000.; and the BAPAC Toolkit for residents. Everyone agreed to look for more materials and bring them in for the next meeting.

Follow up with Boards of Health

Woody reported that the Westfield Board of Health Agent is working to rewrite well regulations and indicated he would like to confer with BAPAC. Andrew indicated that the Holyoke Board of Health has changed its policies, but regulations will remain the same. Patty will follow up with Southampton and Easthampton.

5. Other business

It was suggested that BAPAC do an award that ties into Drinking Water Week. Patty will contact DEP to find out what they are doing. Mike suggested that well head protection plans are a great way to activate the community around drinking water protection.

6. Next Meeting:

Wednesday, December 4, 2012 @ 3:30 PM
Easthampton Municipal Office Building, 50 Payson Avenue, Easthampton

**MEETING NOTES OF
BARNES AQUIFER PROTECTION ADVISORY COMMITTEE**

DATE: 12/4/12

LOCATION: Easthampton Municipal Offices, Easthampton, MA

MEMBERS AND DESIGNEES PRESENT:

J. Barrett, Holyoke	<input checked="" type="checkbox"/>	J. Burkott, Holyoke	<input checked="" type="checkbox"/>	A. Smith, Holyoke
D. Buttrick, Easthampton	<input checked="" type="checkbox"/>	M. Czerwec, Easthampton		C. Seklecki, Easthampton
<input checked="" type="checkbox"/> W. Darling, Westfield		Karen Leigh, Westfield		
James Labrie, Southampton		J. Slattery, Southampton		
<input checked="" type="checkbox"/> R. Newton	<input checked="" type="checkbox"/>	P. Gambarini, PVPC		

Others present: none

TIME OF CALL TO ORDER: 3:40 p.m.

TIME OF ADJOURNMENT: 4:55 p.m.

Action Items from Meeting:

PVPC

- Write up 12-4-12 meeting notes
- Prepare and distribute agenda for 1-8-12 meeting
- Meet with Southampton Board of Health Chair and Health Agent
- Follow up with DEP to find out what they will be doing for Drinking Water Week
- Prepare call for nominations for Green Awards
- Contact Rick Taupier to see who good UMass contact might be for valuing the Aquifer

Committee Members

- Bob Newton will check with former student at EPA's Drinking Water Program about plans for Drinking Water Week. By the March meeting Bob also said he would try to provide an MPEG of how water moves in the aquifer for the BAPAC website.

1. Adoption of November 7, 2012 Meeting Notes

Adoption of the meeting notes with amendments as noted was recommended by Jeff Burkott, seconded by Bob Newton, and unanimously approved. Noted changes include: indicate that Jeff Burkott did not attend last meeting and attribution to Jeff in "Follow up with Boards of Health" should be to Andrew Smith. Also, revise notes to indicate that the Holyoke Board of Health is changing its policies to require additional testing for new wells, but will not change regulations.

2. Developments of Regional Impact

No Developments of Regional Impact. Patty noted that she was in touch with John Furman, chairman of the Southampton Planning Board, who said his board was not aware of the BAPAC MOA and would now be referring project applicants involving the Aquifer to BAPAC.

3. Drinking Water Week (May 5 through 11) and Green Awards

For Drinking Water Week, it had been suggested at the last meeting to renew the Green Awards Program as a way to help raise awareness. Patty noted that BAPAC had issued Green Awards previously in 2001, 2002, 2003, and 2009. Bob Newton suggested that BAPAC put out a call for nominations and members agreed with the idea. Patty will prepare a call for nominations for review at the next meeting. Bob noted that the Williston Northampton School has worked to eliminate perchlorate from wetlands on their property, the result of contamination from fireworks. Concentrations have been reduced from 2 to 3 parts per billion to 1/2 a part per billion.

4. FY 2013 Work Plan

Website

Woody Darling provided several old BAPAC publications that will help in preparing material for the revised website. Bob Newton said he will try to get a MPEG of how water moves through the aquifer for the March meeting. Annual reports should be added to the website if they are not on there already.

Follow up with Boards of Health

Patty noted that she was in touch with Easthampton's Health Agent Jackie Duda who said they will be updating their well regulations and they are interested in issuing a joint letter with BAPAC to well owners. Jackie said the letter should also give well owners advice on how to prevent contamination of their own wells, etc.

Patty was also in touch with Southampton's Board of Health Chair Lisa Brodeur McGan who indicated that a new health agent is currently joining the Town. She said they are very interested in working with BAPAC on a joint letter and that updating their regulations is a priority. Patty will meet with Lisa and the new health agent, Adam Kinney, on January 3 to talk further.

Bob Newton noted that Smith College now has equipment to measure Volatile Organic Compounds. He said he would be willing to do monitoring at the handful of domestic wells in Easthampton free of charge. Patty will let health agent Jackie Duda know.

Land protection

Patty reported that she has been talking with Mark Kassis of Winding River Land Trust about exploring land protection opportunities on Cook Road. Mark and Patty will organize a meeting with a landowner in the near future. Mike Czerwiec expressed interest in attending the meeting.

5. Grants/Projects

SWMI Grant

Committee members discussed the RFR for the Sustainable Water Management Initiative Grant. Patty noted that the timeline for expenditure of funds, with contract start date of February 1 and end date of June 30, makes it impossible for PVPC to participate with BAPAC municipalities in any such project. Patty thought it a shame that the grant did not provide a longer time frame because streams in the Aquifer are shown as highly impacted for August median flow alteration as related to groundwater withdrawals and for alteration of biologic condition for fluvial fish. Woody said that water suppliers must have a Water Management Act permit to be eligible, making most BAPAC communities, except for Southampton, ineligible.

Value of Aquifer

Members agreed that this could be a possible project. Bob says he knows of economists who do this kind of resource economic work, but that it would depend on whether they have an interested student. Patty will contact Rick Taupier to see if he knows who would be a good contact for exploring this idea at UMass.

Aquifer Data and Information

Bob Newton noted that devising a system for organizing, housing, and sharing aquifer data and information is a very difficult proposition. The problem is that whatever is developed, needs to be both maintained and updated he observed. Data that he produced from various aquifer projects are GIS based and this information is now not compatible with current software. The file structure is different.

Currently Bob has data that includes a small percentage of well logs entered (though he has an archive much of which has not yet been entered), some water quality information, and ortho photos.

Given how daunting the task would be, Patty asked what the value would be to have all data housed in one place. Andrew Smith said he thought it would be awesome, but underutilized. Bob agreed and said he personally thought it very well worth doing, but urged caution. He suggested finding a well defined small scale approach so that the project does not become a black hole for BAPAC's resources.

Members agreed that it would be best to organize a subcommittee of BAPAC members and perhaps others to define how to move forward. As a first step it would be useful to understand more specifically what information is currently housed with Water Departments, Boards of Health, DEP, and Smith College.

6. Next Meeting:

Tuesday, January 8, 2013 @ 3:30 PM

Easthampton Municipal Office Building, 50 Payson Avenue, Easthampton

**MEETING NOTES OF
BARNES AQUIFER PROTECTION ADVISORY COMMITTEE**

DATE: 1/8/13

LOCATION: Easthampton Municipal Offices, Easthampton, MA

MEMBERS AND DESIGNEES PRESENT:

D. Conti, Holyoke	<input checked="" type="checkbox"/>	J. Burkott, Holyoke	<input checked="" type="checkbox"/>	A. Smith, Holyoke
<input checked="" type="checkbox"/> D. Buttrick, Easthampton	<input checked="" type="checkbox"/>	M. Czerwec, Easthampton	<input checked="" type="checkbox"/>	C. Seklecki, Easthampton
<input checked="" type="checkbox"/> W. Darling, Westfield		Karen Leigh, Westfield		
James Labrie, Southampton		J. Slattery, Southampton		
R. Newton	<input checked="" type="checkbox"/>	P. Gambarini, PVPC		

Others present: Jeff Daley, City of Westfield; Rob Levesque, R. Levesque Associates

TIME OF CALL TO ORDER: 3:35 p.m.

TIME OF ADJOURNMENT: 4:55 p.m.

Action Items from Meeting:

PVPC

- Write up 1-8-13 meeting notes
- Prepare and distribute agenda for 2-5-13 meeting
- Write comment letters for DRIs: Realignment/Reconstruction of Airport Industrial Park Road; and Chalmers Kubeck proposal for Elise Street, Westfield
- Prepare and send press release calling for nominations for Green Awards (and follow up with Gazette, Sun, and Westfield News)
- Follow up with Jennifer Pederson, Executive Director of the Massachusetts Water Works Association on Drinking Water Week
- Follow up on UMass contact for valuing the Aquifer project
- Begin drafting joint letter BAPAC and interested boards of health
- Meet with Mark Kassis of Winding River Land Trust and landowner on Cook Road
- Talk with Jess about contact information for landowner(s) on Reservation Road

Committee Members

- Review meeting notes from 1-8-13
- From 12-4-12 meeting: Bob Newton will check with former student at EPA's Drinking Water Program about plans for Drinking Water Week. By the March meeting Bob also said he would try to provide an MPEG of how water moves in the aquifer for the BAPAC website.

1. Moment of Silence in honor Barbara Sword

Based on a suggestion from Woody Darling, the meeting began with a moment of silence in honor of Barbara L. Swords. Ms. Swords, who passed in December, was a founding member of BAPAC and a tireless advocate for the Aquifer.

2. Adoption of December 4, 2012 Meeting Notes

Adoption of the meeting notes was recommended by Jeff Burkott, seconded by Woody Darling, and unanimously approved.

3. Developments of Regional Impact

Realignment/Reconstruction of Airport Industrial Park Road, Westfield

Engineering Consultant Robert Levesque and City Advancement Officer Jeff Daley described the project that the City of Westfield has proposed to reconstruct and realign Old Stage Road and Airport Industrial

Way. A Request for Determination has been filed with the Conservation Commission for the southern end of the road and a stormwater application will also be submitted.

The project is intended to improve safety and provide better access for projected development occurring around the airport. Since the realignment is occurring within the City's Right of Way, there will be no conveyance of property to abutting landowners and reconstruction will extend some 1,450 feet from Route 202 toward the intersection with Buck Pond Road. The City is working with a MassWorks grant on the road reconstruction

The Westfield Redevelopment Authority will likely do development of the lots in this area. Uses are yet to be determined, but will likely be light industrial. A subdivision filing will be done independently as the City moves forward, but there has been no planning board involvement as of yet.

Currently, stormwater sheet flows off the road, creating some flooding near the intersection of Old Stage Road with Route 202. For the reconstruction area, the project proposes to install a system of 10 catchbasins along the roadway that will capture and convey stormwater to a detention basin with 3 drywells. Before entering the detention basin, stormwater will move through a Stormceptor unit and a sediment forebay. The City of Westfield will be responsible for all maintenance of the stormwater system.

Committee members had three recommendations for the project that Patty will put into a letter to the planning board chairman with copies to the planning department, stormwater coordinator, and conservation office, as well as Mr. Levesque and Mr. Daly. The recommendations are as follows:

- ☞ Eliminate the use of three drywells in the detention basin to reduce the risk of contaminating the aquifer. Such use of drywells in the Aquifer have been problematic in the past. Drywells are appropriate in the aquifer when infiltrating clean roof drainage from non metal roofs, but roadway drainage can be far more contaminated for such direct infiltration.
- ☞ Ensure that the stormceptor unit receives regular maintenance. BAPAC members have witnessed a high failure rate in the aquifer due to lack of maintenance.
- ☞ Stipulate that no synthetic chemical fertilizers or pesticides be used for landscaping work associated with the project.

Chalmers Kubeck - North, Elise Street, Westfield

Engineering Consultant Robert Levesque described the project proposed by the owners of Chalmers & Kubeck to demolish two buildings at the back of their property and build a new 1,960 square foot office building. The addition is slab on grade. This translates to about 900 square feet of new impervious surface. There is no change to the parking lot and drainage from the buildings and parking lot will continue to be directed to the existing catch basin on site. In a response from Woody Darling, Mr. Levesque said that the project does not trigger the redevelopment clause of the City's stormwater regulations. BAPAC members had three recommendations:

- ☞ Ensure that there are good maintenance practices to reduce the amount of pollutants entering stormwater runoff, including regular catch basin cleaning.
- ☞ Adopt best management practices for the parking lot to reduce pollutant runoff to outfall 854. On last inspection by the City, water draining from this outfall appeared milky in color. These practices should include the installation of a Stormceptor unit or other pollutant removal system to improve the quality of water draining from the parking lot.

- ☞ Consider the use of a cistern to capture rainwater from the roof for reuse in flushing toilets. Rainwater capture and reuse not only helps to reduce stormwater impacts, but also saves on water bills. There are several calculators offered on the internet that can help in understanding what these cost savings benefits might be.

3. Drinking Water Week (May 5 through 11) and Green Awards

Members had no changes to the press release Patty had drafted issuing a call for nominations for the Green Awards. Deadline for nominations will be set for mid March. It was suggested that possible candidates for the award could include developers of any LEEDS buildings that have been built recently in the aquifer. Patty will follow up with the Massachusetts Water Works Association to see if there is a way to coordinate with their plans for Drinking Water Week.

4. Follow up with Board of Health

Meeting with Southampton Board of Health

Patty reported on her meeting with new Health Agent Adam Kinney and Board of Health Chairwoman Lisa Brodeur McGan. They will be updating their well regulations and will include the recommendations from BAPAC on TCE/VOC testing for drilling new wells and at time of property sale. They are also interested in issuing a joint letter with BAPAC to ensure Aquifer protection. Lisa suggested describing: what is at risk and how to protect it and providing contact information so that people can report problems (anonymously) when they see them.

Brainstorming on joint letter to homeowners

As described in the Recommendations for Fiscal Year 2013, the joint letter would inform private well owners what they should and should not do to help ensure Aquifer Protection. Woody suggested looking to see what BAPAC has done in the past and perhaps drawing from that. Some possible topics include car oil and greases, lawn chemicals, what to look for in a fertilizer. Information from DEP's website on private wells may be helpful.

5. Other Business

Land protection

Patty reported that she and Mark Kassis of Winding River Land Trust have a meeting on February 1 with a landowner on Cook Road in Southampton. Regarding property near the Mt. Tom reservation in Easthampton, Patty asked Mike if there is still interest in these properties from the Water Department. Patty will talk with the City Planner's office to see if there is contact information for the landowners in this area.

6. Next Meeting

Tuesday, February 5, 2013 @ 3:30 PM

Easthampton Municipal Office Building, 50 Payson Avenue, Easthampton

**MEETING NOTES OF
BARNES AQUIFER PROTECTION ADVISORY COMMITTEE**

DATE: 2/5/13

LOCATION: Easthampton Municipal Offices, Easthampton, MA

MEMBERS AND DESIGNEES PRESENT:

D. Conti, Holyoke	J. Burkott, Holyoke	A. Smith, Holyoke
D. Buttrick, Easthampton	<input checked="" type="checkbox"/> M. Czerwiec, Easthampton	C. Seklecki, Easthampton
<input checked="" type="checkbox"/> W. Darling, Westfield	Karen Leigh, Westfield	
James Labrie, Southampton	J. Slattery, Southampton	
<input checked="" type="checkbox"/> R. Newton	<input checked="" type="checkbox"/> P. Gambarini, PVPC	

Others present: NA

TIME OF CALL TO ORDER: 3:35 p.m.

TIME OF ADJOURNMENT: 4:45 p.m.

Action Items from Meeting:

PVPC

- Write up 2-5-13 meeting notes
- Prepare and distribute agenda for 3-12-13 meeting
- Send Green Awards note and press release to DEP staff and local conservation commissions, planning boards, and water departments
- Follow up with Jennifer Pederson, Executive Director of the Massachusetts Water Works Association on Drinking Water Week
- Begin drafting joint letter BAPAC and interested boards of health
- Take next steps relative to exploring possible partners and funding for Cook Road property: talk with Mass Fish and Wildlife, talk with Stuart Saginor of the CPA Coalition. Also look at current BioMap to confirm whether priority habitat across property or not.

Committee Members

- Bob and Mike to do site visit at Cook Road when ground thaws
- Woody Darling to look for guidance to private well owners
- By March meeting Bob will try to provide an MPEG of how water moves in the aquifer for the BAPAC website

1. Adoption of January 8, 2013 Meeting Notes

Adoption of the meeting notes was recommended by Bob Newton, seconded by Mike Czerwiec, and unanimously approved.

2. Developments of Regional Impact

There were no Developments of Regional Impact.

3. Drinking Water Week (May 5 through 11) and Green Awards

Members expressed interest in presenting the Green Awards at the Mass Water Works event in May. Patty will follow up with Jennifer Pederson who is organizing the event. Patty reported that she had had no nominations as of yet following the press release. Committee members suggested sending a note requesting nominations from MassDEP, and local conservation commissions, planning boards, and water departments.

4. Follow up on Land Protection

- Patty reported that she and Mark Kassis of Winding River Land Trust had met with Barbara LaFlam and Richard Gwinner the property owners at Cook Road who are interested in protecting their land. The 30-acre property has been in the family since 1895 and is deeded now to 8 cousins some of whom want to see full market value and other who might be willing to sell for less if it means the land will be protected. Looking at the property map during the meeting, it was noted that there appears to be a large swath of priority habitat on the property. Patty will look at current BioMap information to confirm. There are potentially 14 building lots and an appraisal done several years ago by the landowners indicates that the land is worth \$1.1 million. Potential funding sources might include CPA in each Easthampton and Southamton, state drinking water grant program, and possibly partnering with Fish and Wildlife which owns Fog Hollow Conservation Area, a property just across the street.

Committee members expressed interest in further exploring this potential land purchase. Bob suggested that he and Mike do a site visit once the ground has thawed to take a more careful look at the property. Patty can contact the landowners and make arrangements once Mike and Bob have a date. Also, Woody noted that there may be a problem with combining CPA funds from two communities. Patty will contact CPA Coalition Director Stuart Saginor to ask about this.

- Woody noted that the CPA Committee in Westfield is considering providing funds to purchase a CR on the country club at 1458 East Mountain Road. This property along Sandy Brook was identified as a land protection priority in BAPAC's work in 2012.

5. Other Business

Joint letter with Boards of Health - Patty noted that she could not find information on PVPC's network or on DEP's website regarding guidance for private well owners that could serve as a basis for the joint letter to homeowners. Woody said he will look in his files.

Well information – Woody reported that Westfield now has recorded private well logs on GIS.

Possible UMass contacts to identify people who could help with project to describe the value of the Aquifer in economic terms – Bob suggested contacting Steve Mabee or possibly David Boutt in Geosciences.

6. Next Meeting

Tuesday, March 12, 2013 @ 3:30 PM
Easthampton Municipal Office Building, 50 Payson Avenue, Easthampton

**MEETING NOTES OF
BARNES AQUIFER PROTECTION ADVISORY COMMITTEE**

DATE: 3/12/13

LOCATION: Easthampton Municipal Offices, Easthampton, MA

MEMBERS AND DESIGNEES PRESENT:

D. Conti, Holyoke	J. Burkott, Holyoke	A. Smith, Holyoke
D. Buttrick, Easthampton	<input checked="" type="checkbox"/> M. Czerwiec, Easthampton	C. Seklecki, Easthampton
<input checked="" type="checkbox"/> W. Darling, Westfield	Karen Leigh, Westfield	
James Labrie, Southampton	J. Slattery, Southampton	
R. Newton	<input checked="" type="checkbox"/> P. Gambarini, PVPC	

Others present: Amanda Zedonis Kemp, Jeremy Labrie, and Kevin Labrie re: 785 North Road, Westfield
Mark Grocki, Vanasse Hangen Brustlin, Inc. re: Cumberland Farm proposal at 1134
Southampton Road
Matthew W. Roman, Westfield resident

TIME OF CALL TO ORDER: 3:35 p.m.

TIME OF ADJOURNMENT: 5:00 p.m.

Action Items from Meeting:

PVPC

- Write up 3-12-13 meeting notes
- Prepare and distribute agenda for 4-2-13 meeting
- Write letters for DRI projects
- Call Jennifer Pederson, Executive Director of the Massachusetts Water Works Association re: withdrawing presentation of Green Awards presentation for Drinking Water Week
- Draft joint letter for BAPAC and interested boards of health
- Determine whether can apply to Land and Water Conservation Fund for protecting Cook Road property
- Send a note to town/city planners asking that they direct developers to send plans to BAPAC as they are available to other town boards so that BAPAC has the review time it needs to be effective
- Contact BANGB Environmental Officer John Richardson and invite to attend a BAPAC meeting to provide an update on base activities.

Committee Members

From previous meetings

- Bob and Mike to do site visit at Cook Road when ground thaws
- By March meeting Bob will try to provide an MPEG of how water moves in the aquifer for the BAPAC website

1. Adoption of February 5, 2013 Meeting Notes

Adoption of the meeting notes was recommended by Mike Czerwiec, seconded by Woody Darling, and unanimously approved.

2. Developments of Regional Impact

Patty noted that plans from developers are not arriving with enough time for distribution to committee members and review and asked how this had been managed in the past. Woody suggested sending a note to town/city planners asking that they direct developers to send plans to BAPAC as they are available to other town boards. BAPAC needs review time to be effective.

785 North Road, Tree Service Business, Westfield

Speaking for Jeremy and Kevin Labrie, Attorney Amanda Zedonis Kemp said that the Labries have applied for a special permit from the City of Westfield to operate their tree service business from 785 North Road. Formerly the site of an auction house, the Labries would store their trucks and tools. In the future, they are hoping to sell landscape supplies such as bark mulch and landscape stone. The previous owners, in developing the property, had installed several stormwater facilities, including a pond. It is not clear whether these have been built as proposed so the Labries will work with the City to get certification of these facilities. Matthew Roman a Westfield resident said that he had invested in the property under the previous ownership and knows that all the stormwater work was done to specifications.

Asked about what specific landscape materials would be stored on the property, the Labries noted that there will be no fertilizers or pesticides. Rather, they will store wood, logs, bark mulch, and stone.

BAPAC members had several recommendations:

- Ensure that no vehicle maintenance and fuel storage will occur on the property
- Ensure that there is a spill response plan so that there is no polluted flow into the stormwater management system
- Store landscape materials so that flow from rain or snowmelt does not carry them into and clog the stormwater management system
- Ensure that there are good maintenance practices to reduce the amount of pollutants entering stormwater runoff, including regular catch basin cleaning

1134 Southampton Road, Cumberland Farm, Westfield

Patty noted that she received the plans for this project electronically just the day before and could not review nor forward materials to other BAPAC members. Please see above discussion at the top of this section.

Mark Grocki of Vanasse Hangen Brustlin, Inc. presented for his client Cumberland Farm, which is proposing a 4,500 square foot convenience store, parking area, and gas station for 1134 Southampton Road. The project is in the middle of permitting and given the location's proximity to the Zone II, the Planning Board has requested BAPAC's review and recommendations. Mark noted that the project is located within 1,000 feet of the Zone II. Woody noted that this Zone II delineation is based on pumping tests for Westfield's water supply wells #7 and #8.

Mark described the following relative to the proposed project:

- There will be a total of 10 gas pumps,
- Fuel will be stored in two 20,000 gallon double walled underground tanks. A brine solution between the first and the second walls is part of the release detection system for leaks that might occur in either the primary or secondary wall.
- The piping, also double walled, has a release detection system as well.
- Cumberland Farms complies with federal regulations on underground fuel storage tanks with operators on site who are trained to respond to emergencies. Higher level operators within the organization conduct monthly inspections of the tanks and ensure that all regulations are met.
- For stormwater management, roof drainage is directed to 8 downspouts directly into an underground detention system.
- Other drainage from the site is directed to 5 catch basins with 4-foot sumps and oil/debris traps. From the catch basins, stormwater is piped to two Stormceptor System Stormwater Quality Treatment devices, which then deliver flow to an underground detention system intended to manage peak flow, a series of Stormtech SC-740 chambers. The first row of chambers in this system will be wrapped in filter fabric to ensure that the first inch of a storm receives additional treatment.

Stormwater then outlets from the underground system to a riprap plunge pool toward adjacent wetlands.

- A post indicator valve will close access to the underground system in the case of a spill. This can be done with the flip of a switch within the convenience store or manually at the location of the valve.
- The maintenance plan includes regular street sweeping twice a year, cleaning of isolator row on as needed basis (as sediment cakes on the fabric)
- All stormwater facilities will be inspected twice each year

BAPAC members asked questions about the reliability of the release detection system and Mark noted that the research within the third party review of this proposed project indicates there have been no releases from double wall tanks with this type of monitoring system. There was also a question about the frequency of inspection of the stormwater system. Mark said that all stormwater facilities will be inspected twice each year. To another question about winter de-icing, Mark noted that Cumberland Farms will use sand or environmentally friendly alternatives. Patty will prepare a letter with BAPAC's recommendations to the Planning Board.

3. Updates

Military Civilian Community Council Meeting

Woody reported on the Barnes Air National Guard Base meeting to update the community on base activities. They talked about sequestration and possible impacts on the Base, including loss of 250 personnel and closing of the air tower. Woody noted that there are many upgrades at the base that BAPAC does not see. The base will be redoing the runway as the F15s are melting the tarmac (the base is one of only four F15 bases on the country). Base personnel have also been cleaning up fuel contamination in groundwater through biosparging whereby they pump air into groundwater to promote microbial degradation of the fuel. The area of contamination is reportedly shrinking. Woody noted that the Environmental Officer for the Base John Richardson has offered to attend a BAPAC meeting provide an update. All present agreed that it would be worthwhile to take him up on this offer.

Easthampton Open Space Planning

Through e-mail Darlene Buttrick had expressed concern that BAPAC's land protection priorities be included in Easthampton's Open Space Plan which is in development. It turns out that PVPC is doing the plan so that Patty will work with Anne Capra to make sure these are included. Darlene is serving on the Open Space Committee to help develop the plan.

Green Awards for Drinking Water Week (May 5 through 11)

Patty noted that despite follow up with many town and state officials, there had been only one nomination for a green award. Members agreed that it makes sense to forgo presenting green awards this year. BAPAC members should be on the lookout for good projects in the Aquifer over the coming year that would merit an award. Patty will contact Jennifer Pederson to say that BAPAC will not be presenting Green Awards at the Mass Water Works event in May.

Land Protection

Patty reported that she followed up on several issues related to the Cook Road property:

- The most recent Natural Heritage information for the Cook Road property does show that most of the site is designated as Priority Habitat.
- Based on a phone conversation with Sam Lovejoy, Mass Fish and Wildlife is not interested in this parcel. The property is too small and the price is too high. If the towns kick in monies through CPA, it also gets too complicated for their agency to jointly hold lands with Towns.
- If both Southampton and Easthampton were to contribute CPA monies to help in protecting this land, they would each need to hold an interest. This could involve co-holding a restriction if there is a third party owner. Or one town could retain the fee interest and the other could hold the restriction.

Members noted it will be very important to explore what interest Southampton may have in this property.

- One possible funding source is the state's Land and Water Conservation Fund for which a Request for Responses has been issued. With an April 24th application deadline, however, getting an agreement with the landowners and defining how funding might be matched would need to be put on a very fast track. Work to put the grant together would have to be covered largely from BAPAC's budget. That could mean that no more website work would occur. Woody and Mike noted that land protection for drinking water supply was more important. Patty will investigate whether it might be possible to pull things together for this grant opportunity.

4. Next Meeting

Tuesday, April 2, 2013 @ 3:30 PM

Easthampton Municipal Office Building, 50 Payson Avenue, Easthampton

**MEETING NOTES OF
BARNES AQUIFER PROTECTION ADVISORY COMMITTEE**

DATE: 4/2/13

LOCATION: Easthampton Municipal Offices, Easthampton, MA

MEMBERS AND DESIGNEES PRESENT:

D. Conti, Holyoke	J. Burkott, Holyoke	A. Smith, Holyoke
D. Buttrick, Easthampton	<input checked="" type="checkbox"/> M. Czerwiec, Easthampton	<input checked="" type="checkbox"/> C. Seklecki, Easthampton
<input checked="" type="checkbox"/> W. Darling, Westfield	Karen Leigh, Westfield	
James Labrie, Southampton	J. Slattery, Southampton	
R. Newton	<input checked="" type="checkbox"/> P. Gambarini, PVPC	

Others present: Linnae Delp and Carl Delp re: 988 Southampton Road

TIME OF CALL TO ORDER: 3:34 p.m.

TIME OF ADJOURNMENT: 4:40 p.m.

Action Items from Meeting:

PVPC

- Write up 4-2-13 meeting notes
- Prepare and distribute agenda for 5-7-13 meeting
- Write letter for DRI project – 988 Southampton Road
- Draft first joint letter for BAPAC and interested boards of health and put together plan for subsequent letters
- Determine whether land protection at Cook Road viable project
- Contact BANGB Environmental Officer John Richardson and invite to attend a BAPAC meeting in September-October to provide an update on base activities
- Touch base with Southampton on attendance

Committee Members

From previous meetings

- Mike will check back in with Tom Newton on the Cook Road property
- Bob and Mike to do site visit at Cook Road
- By March meeting Bob will try to provide an MPEG of how water moves in the aquifer for the BAPAC website

1. Adoption of March 12, 2013 Meeting Notes

Adoption of the meeting notes was recommended by Mike Czerwiec, seconded by Patty Gambarini, and unanimously approved.

2. Developments of Regional Impact

Undercutters Tree Landscaping, 988 Southampton Road, Westfield

Linnae and Carl Delp of Undercutters reported that they are planning to rent a unit at 988c Southampton Road. They stated that the site is currently zoned for industrial use and the location provides a base of operations for a machine shop, a mechanic, and electrician. For their business, Undercutters seeks to store firewood, approximately 50 to 100 cords. Whole logs would be delivered to the back of the lot, beyond the parking area. The wood would then be cut, stacked, and stored on site. It will be stored on dirt or wood chips away from the parking area. They also noted there will be 2 vehicles stored inside and 2 vehicles stored outside, but no storage of fuel on site.

The only concern expressed by BAPAC members was the potential for woody debris to clog the storm system. Patty will write a letter to the City Council to indicate that storage and work with wood should occur so as not to allow debris to be carried by flow from rain or snowmelt into the stormwater management system

3. Land Protection

Cook Road property, Southampton

Patty noted that the Drinking Water Supply Protection grant program has an upcoming grant round through which BAPAC could apply for up to \$350,000 to help with the purchase of this property. A 50% match is required so CPA funding is likely an important part of the equation. Rather than approach CPA committees first, BAPAC members thought it important to do an appraisal. Monies for this would likely have to come from Easthampton. Mike will talk with Tom Newton and Patty will follow up with Mark Kassis of Winding River Land Trust on next steps.

4. Joint letter with Boards of Health to private well owners

Patty provided a list of possible points to make in the letter to homeowners on private wells. Chester noted that the Metropolitan Area Planning Council had a great document on smart water use from which we might draw as well. It was agreed that there is a lot of ground that can be covered in a letter and that perhaps we should tackle this as a series of letters by season: proper care and testing of well now; lawn and garden in summer, and driveway and sidewalk deicing and oil tank check in winter. Patty will draft the first letter and a more detailed plan for upcoming letters. Members noted too that there had been a good series of public service announcements some time ago on VHS and that cable access channels may still have those.

5. Other business

Regarding scheduling a presentation by Environmental Officer for the Barnes Air National Guard Base John Richardson, Woody suggested we do this for one of the fall meetings.

Members suggested that Patty check in with Jim Labrie to understand why Southampton has not been coming to BAPAC meetings.

6. Next Meeting

Tuesday, May 7, 2013 @ 3:30 PM

Easthampton Municipal Office Building, 50 Payson Avenue, Easthampton

**MEETING NOTES OF
BARNES AQUIFER PROTECTION ADVISORY COMMITTEE**

DATE: 5/7/13

LOCATION: Easthampton Municipal Offices, Easthampton, MA

MEMBERS AND DESIGNEES PRESENT:

D. Conti, Holyoke	J. Burkott, Holyoke	A. Smith, Holyoke
<input checked="" type="checkbox"/> D. Buttrick, Easthampton	<input checked="" type="checkbox"/> M. Czerwiec, Easthampton	C. Seklecki, Easthampton
<input checked="" type="checkbox"/> W. Darling, Westfield	Karen Leigh, Westfield	
James Labrie, Southampton	J. Slattery, Southampton	
<input checked="" type="checkbox"/> R. Newton	<input checked="" type="checkbox"/> P. Gambarini, PVPC	

Others present: NA

TIME OF CALL TO ORDER: 3:34 p.m.

TIME OF ADJOURNMENT: 4:40 p.m.

Action Items from Meeting:

PVPC

- Write up 5-7-13 meeting notes
- Prepare and distribute agenda for 6-4-13 meeting
- Follow up with Boards of Health on joint letter
- Follow up with Cook Road landowners
- Contact BANGB Environmental Officer John Richardson and invite to attend a BAPAC meeting in October to provide an update on base activities
- Continue efforts on Southampton participation

1. Adoption of April 2, 2013 Meeting Notes

Adoption of the meeting notes was recommended by Bob Newton, seconded by Mike Czerwiec, and unanimously approved.

2. Developments of Regional Impact

There were no projects for review, but Woody Darling noted that Gulfstream is in the process of developing a proposal to expand fuel storage at their facility. Bob Newton suggested that in reviewing this project, it will be important to understand what is going on with existing fuel storage. If there is a schedule of monitoring well sampling to have been submitted to the Westfield Water Department based on approval of the last project, then it is important to look at these sampling results. Patty will look into what BAPAC's recommendations were on review of last fuel storage project. Woody noted that Gulfstream's consultant is Kevin Krum from Haskell Engineering.

In general, Bob recommended, it would be good to identify all recent projects where BAPAC recommended monitoring wells and submission of regular reports and send the list to water departments so that they know who should be submitting reports. Patty will try to get an intern assigned to do this project.

3. Land Protection

Cook Road property, Southampton

Mike Czerwiec reported that Tom Newton is okay with moving forward on an appraisal if the landowners first indicate some willingness to be flexible on price. Patty reported she had talked with Mark Kassis of

Winding River Land Trust and he suggested that BAPAC follow up directly with the landowner. Patty will contact landowner about flexibility on price and get back to Mike.

4. Joint letter with Boards of Health to Private Well Owners

Members did not have additions to the letter. Patty said that Easthampton, Southampton, and Westfield health agents are taking the letter to their Boards for approval. Mailings would be handled by health agents. Patty will follow up with them to finalize letters.

5. Website

Patty showed BAPAC website pages developed to date and again requested help with photos. Mike noted that Easthampton photos are available on the Water Department website. Additional comments were:

- Revise menu choices to read as follows: Home / Information for Homeowners / Information for Developers / Studies / Meeting Notes & Annual Reports / Links
- Over long term, we should develop and provide good information for K-12 audience and then add tab to menu on Education & Schools
- For the link to “more about the aquifer,” we should have links to good maps here, including Zone II and Zone III, and USGS Surficial Geology maps for the aquifer
- For DRI page to be revised to Information for Developers, think about good case study that we can include here that gives people a sense of review process and timeline
- Information for Homeowners page should include links to Water Departments so they can access Water Quality Reports
- Think more about organization of the website

6. Other business

Water Week – Darleen Buttrick noted that it was a shame that BAPAC did not do anything, at least a press release, to capitalize on Water Week.

7. Next Meeting

June 4, 2013 @ 3:30 PM

Easthampton Municipal Office Building, 50 Payson Avenue, Easthampton

**MEETING NOTES OF
BARNES AQUIFER PROTECTION ADVISORY COMMITTEE**

DATE: 6/4/13

LOCATION: Easthampton Municipal Offices, Easthampton, MA

MEMBERS AND DESIGNEES PRESENT:

D. Conti, Holyoke	J. Burkott, Holyoke	A. Smith, Holyoke
<u>X</u> D. Buttrick, Easthampton	<u>X</u> M. Czerwiec, Easthampton	C. Seklecki, Easthampton
<u>X</u> W. Darling, Westfield	Karen Leigh, Westfield	
<u>X</u> James Labrie, Southampton	J. Slattery, Southampton	
R. Newton	<u>X</u> P. Gambarini, PVPC	

Others present: Dennis Bolduc, BMS, Inc.; Jeff Collingwood, Stantec; Jackie Duda, Easthampton Health Agent

TIME OF CALL TO ORDER: 3:34 p.m.

TIME OF ADJOURNMENT: 5:05 p.m.

Action Items from Meeting:

PVPC

- Write up 5-7-13 meeting notes
- Prepare and distribute agenda for next meeting
- Set up August meeting
- Write DRI letters for Gulfstream and Indian Motorcycle Sales proposals
- Follow up with Boards of Health to get joint letter out to private well owners
- Contact Catherine Skiba re: guidance for agricultural wells
- Meet with Cook Road landowners along with other BAPAC members
- Contact BANGB Environmental Officer John Richardson and invite to attend a BAPAC meeting in October to provide an update on base activities

1. Adoption of May 7, 2013 Meeting Notes

Adoption of the meeting notes was recommended by Darleen Buttrick, seconded by Mike Czerwiec, and unanimously approved.

2. Developments of Regional Impact

Whip City Aviation, LLC, 110 Airport Road, Westfield

Though materials had been sent to Patty Gambarini for this proposed project, proponents did not come to the BAPAC meeting as planned. Woody indicated that this project entails construction of 6 T hangars to house smaller airplanes. Project proponents had planned to go before the Planning Board for a June 8 meeting.

Gulfstream, Elise Street, Westfield

Dennis Bolduc of BMS spoke for the project, saying that the proposal involves creating 20,000 gallons in additional fuel storage as part of the Gulfstream Maintenance Facility expansion. Though there is currently 20,000 gallons in storage for direct sale to aircraft at Gulfstream's facility, the new fuel capacity will be used to receive fuel from aircraft that are being maintained or garaged. This entails a double walled steel above-ground tank with two 10,000 gallon compartments. The tank will be housed in a concrete reinforced epoxy lined containment area that is sized to contain 110% capacity or 22,000 gallons. Woody asked about stormwater drainage and Mr. Bolduc explained that the area of these tanks will drain to the existing oil water separator. The tank and containment area will be monitored using a Veeder Root system. Mr. Bolduc indicated that this system provides 24 hour/7 day a week monitoring.

Patty asked Woody if there were well monitoring reports required for the last Gulfstream project and if yes, whether he had received any reports. Woody said that he had not received word that the wells went in. It is not clear what were the conditions of the special permit issued by the City for the last project.

This proposal will go before the City Council for a special permit. Patty will write a letter indicating the importance of monitoring wells and an emergency spill response plan.

Indian Motor Cycle Sales, 962 Southampton Road, Westfield

BAPAC did not receive plans for this project. Project proponents Dennis Bolduc and Jeff Collingwood explained that they want to understand BAPAC's opinion on what they may propose. Jeff Collingwood is purchasing the property at 962 Southampton Road for a new motorcycle distributorship, but also sought the opinion of BAPAC as to whether he could use the back of the lot to park his contracting business equipment. BAPAC members indicated that if the proposal involves only the motorcycle business and there is no plan for fueling, their proposal does not seem to pose any increased threat to the Zone II of the Barnes Aquifer compared to the current use. Parking contracting equipment at the back of the lot, however, would require extending the paved area and installation of a system to manage stormwater and potential fuel spills. Patty will write a letter to the City sharing BAPAC's response and mentioning that BAPAC would like to review plans should the project go forward.

785 North Road, Westfield

Woody noted that the project that BAPAC reviewed for a tree service business for 785 North Road had run into problems. The stormwater system that had been previously built for the property for a proposed Auction House, was not built according to plans and cannot be certified by the City. Property owners are preparing a plan as to what must be done to remedy the situation and then determining whether they will move forward.

3. Jackie Duda, Easthampton Board of Health

Easthampton's new Health Agent Jackie Duda requested a meeting to get to know BAPAC's work and talk about permitting new wells for agriculture. She is in the process of revising Easthampton's well regulations and is drawing from regulations she developed for Williamsburg. Currently there are no provisions for agricultural or for geothermal wells for that matter. She has had two farmers approach her for permission to install agricultural wells. Neither of these would draw more than 100,000 gallons per day. Woody noted that Tekoa Country Club has a permitted well to irrigate their golf course. Mike said that such wells are allowed in the Zone 2 under the well head protection program, but the concern is cross connections into homes since agricultural wells are not supposed to be used for human drinking water. The conversation with Jackie will continue perhaps at an August meeting. In the meantime, Patty will write to Catherine Skiba at DEP to see if she can recommend any guidance on agricultural wells. Mike asked to be cc'd in this e-mail.

4. Updates

Land Protection - Cook Road property, Southampton

Patty noted that Barbara LaFlam and Richard Gwinner, the landowners of the Cook Road property, are interested in talking more about a possible arrangement with BAPAC and the Easthampton Water Department to purchase their land for water supply protection. The idea is to indicate how we will move forward with an appraisal and define what flexibility there may be in terms of the price they seek. Mike Czerwicz, Tom Newton, and Bob Newton all plan on attending the meeting scheduled for June 14.

Joint letter with Boards of Health to Private Well Owners

Southampton and Westfield boards of health are reviewing the letter. Easthampton is prepared to mail the letter and just needs BAPAC signature. Patty will follow up to get these letters out.

BAPAC Website

Patty indicated that most of the major work for this year is complete and that there are a few tweaks that remain. Work will continue into the coming year to improve graphics and mapping, develop the section on K through 12 resources, and work with Bob Newton on studies to add to the website.

5. Objectives For Next Year

There was no time for conversation on this agenda item. Mike suggested an August meeting when we could begin this conversation about objectives and continue the conversation with Jackie Duda.

6. Next Meeting

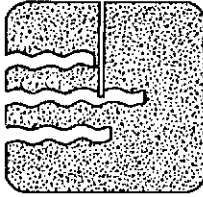
September 10, 2013 @ 3:30 PM
Easthampton Municipal Office Building, 50 Payson Avenue, Easthampton

Members also discussed the possibility of an August meeting. Patty will determine a workable date and try to set that up.

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**Appendix C: Developments of Regional Impact (DRI)
Comment Letters**

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BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

January 17, 2013

Mr. Philip McEwan, Chair
Westfield Planning Board
City Hall - 59 Court Street
Westfield, MA 01085

Reference: Realignment/Reconstruction of Old Stage Road and Airport Industrial Way

Dear Mr. McEwan:

I am writing to you on behalf of the Barnes Aquifer Protection Advisory Committee (BAPAC) to provide our comments regarding plans for the Realignment/Reconstruction of Old Stage Road and Airport Industrial Way as presented at our January 8 meeting. BAPAC is composed of representatives from the four jurisdictions in which the Barnes Aquifer is located. The committee was created in 1989 to address developments of regional impact proposed within the aquifer to ensure drinking water resources remain safe for the more than 60,000 people served by the aquifer.

We understand from the presentation made to us by Engineering Consultant Robert Levesque and City Advancement Officer Jeff Daley that the City of Westfield has proposed to reconstruct and realign Old Stage Road and Airport Industrial Way to improve safety and provide better access for projected development occurring around the airport. Since the realignment is occurring within the City's Right of Way, there will be no conveyance of property to abutting landowners and reconstruction will extend some 1,450 feet from Route 202 toward the intersection with Buck Pond Road.

Currently, stormwater sheet flows off the road, creating some flooding near the intersection of Old Stage Road with Route 202. For the reconstruction area, the project proposes to install a system of 10 catchbasins along the roadway that will capture and convey stormwater to a detention basin with 3 drywells. Before entering the detention basin, stormwater will move through a Stormceptor unit and a sediment forebay.

BAPAC members have three recommendations for this project:

- ✎ Eliminate the use of three drywells in the detention basin to reduce the risk of contaminating the aquifer. Drywells are appropriate in the aquifer when infiltrating clean roof drainage from

non metal roofs, but roadway drainage can be far more contaminated for such direct infiltration.

- ☛ Ensure that the stormceptor unit receives regular maintenance. BAPAC members have witnessed a high failure rate in the aquifer due to lack of maintenance.
- ☛ Stipulate that no synthetic chemical fertilizers or pesticides be used for landscaping work associated with the project.

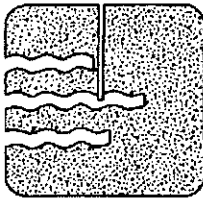
Thank you for your consideration and the opportunity to comment.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Czerwiec", followed by a stylized flourish or initial.

Mike Czerwiec, Vice Chair

cc: Robert Levesque, R. Levesque Associates, Inc.
Jeff Daley, City Advancement Officer
Jay Vinskey, Planning Department
Casey Berube, Stormwater Coordinator
Karen Leigh, Conservation Office



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

January 17, 2013

Mr. Philip McEwan, Chair
Westfield Planning Board
City Hall - 59 Court Street
Westfield, MA 01085

Reference: Chalmers & Kubeck North facility expansion, 24 Elise Street, Westfield

Dear Mr. McEwan:

I am writing to you on behalf of the Barnes Aquifer Protection Advisory Committee (BAPAC) to provide our comments regarding plans for the expansion of the Chalmers & Kubeck North facility at 24 Elise Street as presented at our January 8 meeting. BAPAC is composed of representatives from the four jurisdictions in which the Barnes Aquifer is located. The committee was created in 1989 to address developments of regional impact proposed within the aquifer to ensure drinking water resources remain safe for the more than 60,000 people served by the aquifer.

We understand from the presentation made to us by Engineering Consultant Robert Levesque that Chalmers & Kubeck are proposing to demolish two buildings at the back of their property and build a new 1,960 square foot office building. This translates to about 900 square feet of new impervious surface. There is no change to the parking lot and drainage from the buildings and parking lot will continue to be directed to the existing catch basin on site.

BAPAC members have three recommendations for this project:

- ☞ Ensure that there are good maintenance practices to reduce the amount of pollutants entering stormwater runoff, including regular catch basin cleaning.
- ☞ Adopt best management practices for the parking lot to reduce pollutant runoff to outfall 854. On last inspection by the City, water draining from this outfall appeared milky in color. These practices should include the installation of a Stormceptor unit or other pollutant removal system to improve the quality of water draining from the parking lot.
- ☞ Consider the use of a cistern to capture rainwater from the roof for reuse in flushing toilets. Rainwater capture and reuse not only helps to reduce stormwater impacts, but also saves on

water bills. There are several calculators offered on the internet that can help in understanding what these cost savings benefits might be.

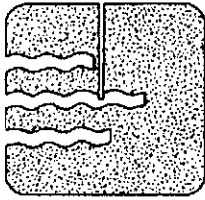
Thank you for your consideration and the opportunity to comment.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Czerwiec", followed by a stylized flourish or initial.

Mike Czerwiec, Vice Chair

cc: Robert Levesque, R. Levesque Associates, Inc.
Jay Vinskey, Planning Department
Jonathan Flagg, Building Inspector
Casey Berube, Stormwater Coordinator
Karen Leigh, Conservation Office



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

April 1, 2013

Mr. Brian Sullivan
Council President
City of Westfield
c/o City Clerk - 59 Court Street
Westfield, MA 01085

Reference: 785 North Road, Westfield

Dear Mr. Sullivan:

I am writing to you on behalf of the Barnes Aquifer Protection Advisory Committee (BAPAC) to provide our comments regarding plans for the use of 785 North Road for a tree service business. BAPAC is composed of representatives from the four jurisdictions in which the Barnes Aquifer is located. The committee was created in 1989 to address developments of regional impact proposed within the aquifer to ensure drinking water resources remain safe for the more than 60,000 people served by the aquifer.

We understand from the presentation made to us at our March 12 meeting by Amanda Zedonis Kemp, attorney for the applicants Jeremy and Kevin Labrie, that the Labries are seeking a special permit to operate their tree service business from 785 North Road. They will need to store trucks and tools at the site and in the future they are also hoping to sell landscape supplies such as bark mulch and landscape stone. We were assured there will be no fuel, fertilizers, or pesticides stored on site. The previous owners, in developing the property for an auction house, had installed several stormwater facilities, including a pond. As it is not clear whether these facilities were built as proposed, we understand the Labries are working with the City to get certification of these facilities.

BAPAC members have several recommendations for your consideration in reviewing this project:

- Ensure that no vehicle maintenance and fuel storage will occur on the property
- Ensure that there is a spill response plan so that there is no polluted flow into the stormwater management system
- Store landscape materials so that flow from rain or snowmelt does not carry them into and clog the stormwater management system (bark mulch floats)

- Ensure that there are good maintenance practices to reduce the amount of pollutants entering stormwater runoff, including regular catch basin cleaning.

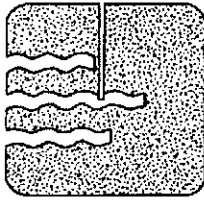
Thank you for your consideration of our recommendations and the opportunity to comment.

Sincerely,

Mike Czerwiec, Vice Chair

A handwritten signature in black ink that reads "Mike Czerwiec". The signature is written in a cursive style with a large, stylized initial "M". To the right of the signature is a small, circular scribble or flourish.

cc: Amanda Zedonis Kemp, Esq.
Jay Vinskey, Planning Department
Casey Berube, Stormwater Coordinator



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

March 19, 2013

Mr. Philip McEwan, Chair
Westfield Planning Board
City Hall - 59 Court Street
Westfield, MA 01085

Reference: 1134 Southampton Road, Cumberland Farms convenience store and gas station proposal

Dear Mr. McEwan:

I am writing to you on behalf of the Barnes Aquifer Protection Advisory Committee (BAPAC) to provide our comments regarding plans for the Cumberland Farms gas station at 1134 Southampton Road presented at our March 12 meeting. BAPAC is composed of representatives from the four jurisdictions in which the Barnes Aquifer is located. The committee was created in 1989 to address developments of regional impact proposed within the Aquifer to ensure drinking water resources remain safe for the more than 60,000 people served by the Aquifer.

It was requested by the Planning Board that BAPAC review this proposal because the project is located within 1,000 feet of the Zone II for Westfield's water supply wells #7 and #8. It is also located within 1,500 feet of the Zone II for Southampton's water supply wells #1 and #2.*

We understand from the presentation made to us by the Engineering Consultant Mark Grocki of Vanasse Hangen Brustlin, Inc. that Cumberland Farms is proposing a 4,500 square foot convenience store, gas station with a total of 10 gas pumps, and parking area. Fuel will be stored in two 20,000 gallon double walled underground tanks. A brine solution between the first and the second walls is part of the release detection system for leaks that might occur in either the primary or secondary wall. The piping, also double walled, has a release detection system as well. We understand that Cumberland Farms complies with federal regulations on underground fuel storage tanks by having operators on site who are trained to respond to emergencies. Higher level operators within the organization conduct monthly inspections of the tanks and ensure that all regulations are met.

* Note: Zone II delineations are based on pump tests at existing wells. Thus, the actual aquifer is bigger than the Zone II. If a new well were to be installed elsewhere in the aquifer, the Zone II for that well would be newly delineated and possibly expand the overall Barnes Aquifer Zone II as it is mapped today.

For stormwater management, roof drainage is directed to 8 downspouts directly into an underground detention system. Other drainage from the site is directed to 5 catch basins with 4-foot sumps and oil/debris traps. From the catch basins, stormwater is piped to two Stormceptor System Stormwater Quality Treatment devices, which then deliver flow to an underground detention system intended to manage peak flow, a series of Stormtech SC-740 chambers. The first row of chambers in this system will be wrapped in filter fabric to ensure that the first inch of a storm receives additional treatment. Stormwater then outlets from the underground system to a riprap plunge pool toward adjacent wetlands.

BAPAC members have four recommendations for this project:

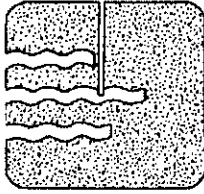
- ✎ Stipulate that the release detection system for underground fuel storage and conveyance can meet performance requirements through a neutral third party certification following installation. Also, request assurances that inspection schedules will meet federal and new state regulations (when they are issued).
- ✎ Require that as the regular fuel tank inspection and monitoring reports are completed, they are forwarded to both the Westfield Health and Water Departments.
- ✎ Ensure that the frequency of inspection and maintenance to the stormwater management system, the catchbasins, the Stormceptor units, and the Isolator Row occurs as proposed. BAPAC members have witnessed a high failure rate of the Stormceptor units in particular due to lack of maintenance.
- ✎ Stipulate that no synthetic chemical fertilizers or pesticides be used for landscaping work associated with the project. Also for winter de-icing use ecologically friendly alternatives to sodium chloride.

Thank you for your consideration and the opportunity to comment.

Sincerely,


Mike Czerwiec, Vice Chair

cc: Mark Grocki, Vanasse Hangen Brustlin, Inc.
Jay Vinskey, Planning Department
Casey Berube, Stormwater Coordinator
Karen Leigh, Conservation Office
Edward Cauley, Southampton Department of Public Works



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

May 7, 2013

Mr. Brian Sullivan, Council President
City of Westfield
c/o City Clerk - 59 Court Street
Westfield, MA 01085

Reference: 988 Southampton Road, Undercutters Tree Landscaping

Dear Mr. Sullivan:

I am writing to you on behalf of the Barnes Aquifer Protection Advisory Committee (BAPAC) to provide our comments regarding plans for the use of 988 Southampton Road by 785 North Road by Undercutters Tree Landscaping. BAPAC is composed of representatives from the four jurisdictions in which the Barnes Aquifer is located. The committee was created in 1989 to address developments of regional impact proposed within the aquifer to ensure drinking water resources remain safe for the more than 60,000 people served by the aquifer.

We understand from the presentation made to us at our April 2 meeting by Linnae and Carl Delp of Undercutters that they are planning to rent a unit at 988c Southampton Road. They stated that the site is currently zoned for industrial use and the location provides a base of operations for a machine shop, a mechanic, and electrician. For their business, Undercutters seeks to store firewood, approximately 50 to 100 cords. Whole logs would be delivered to the back of the lot, beyond the parking area. The wood would then be cut, stacked, and stored on site. It will be stored on dirt or wood chips away from the parking area. They also noted there will be 2 vehicles stored inside and 2 vehicles stored outside, but no storage of fuel on site.

BAPAC members were concerned about potential tampering with the vehicles and the potential for woody debris to clog the storm system. As such, the recommendations from BAPAC are as follows:

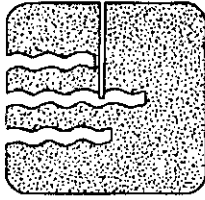
- Ensure that storage of and work with wood does not allow woody material to be carried by flow from rain or snowmelt into the stormwater management system
- Secure vehicles inside of locked fence in the evenings if possible

Thank you for your consideration of our recommendation and the opportunity to comment.

Sincerely,


Mike Czerwicz, Vice Chair

cc: Jay Vinskey, Planning Department
Casey Berube, Stormwater Coordinator



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

July 25, 2013

Mr. Brian Sullivan, Council President
City of Westfield
c/o City Clerk - 59 Court Street
Westfield, MA 01085

Reference: Gulfstream, Elise Street, Increased Fuel Storage

Dear Mr. Sullivan:

I am writing to you on behalf of the Barnes Aquifer Protection Advisory Committee (BAPAC) to provide our comments regarding Gulfstream's proposal for increased fuel storage at their Elise Street facility. BAPAC is composed of representatives from the four jurisdictions in which the Barnes Aquifer is located. The committee was created in 1989 to address developments of regional impact that are proposed within the aquifer to ensure that drinking water resources remain safe for the more-than 60,000 people that it serves.

According to the materials provided to BAPAC and the presentation made by Dennis Bolduc of BMS, Inc., at our June 7 meeting, we understand that Gulfstream's plans will create 20,000 gallons in additional fuel storage at the Gulfstream Maintenance Facility to receive fuel from aircraft that are being maintained or garaged. (We understand that there is already a 20,000 gallon fuel structure that is used for direct sale to aircraft at Gulfstream's facility.) Mr. Bolduc reported that the new structure entails a double walled steel above-ground tank with two 10,000 gallon compartments. The tank will be housed in a concrete reinforced epoxy lined containment area that is sized to contain 110% capacity or 22,000 gallons.

Because the City of Westfield's Wells #7 and #8 are located downgradient of the proposed project and stormwater runoff from the site carries the potential to contaminate ground water, BAPAC has several concerns and makes the following two recommendations:

- ☛ Install monitoring well for the purpose of safeguarding groundwater quality. Monitoring well location and depth should be coordinated with the City's Water Resources Department. Sampling should occur annually, or following any reportable release. A report of all sampling results should be forwarded to the Westfield Water Resources Department and to BAPAC.

Monitoring wells were recommended by BAPAC in the expansion of the Maintenance Facility, but it is not clear whether these have been installed.

- ☞ Ensure that there is a clearly articulated Emergency Spill Response Plan that addresses how the plan itself will be maintained and updated over time and who will have that responsibility. Spill response practices should include regular testing of valve shut off procedures as well as containment of spills so that fuel does not enter the City's stormwater system.

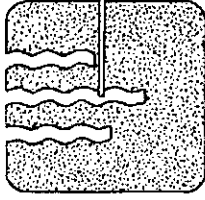
Please let us know if you have any questions. Thank you for the opportunity to comment on this proposed project and your consideration of BAPAC's recommendations.

Sincerely,

A handwritten signature in black ink that reads "Michael Czerwiec" followed by a stylized monogram of the letters "RC".

Michael Czerwiec, Vice-Chairman

cc Jay Vinskey, City of Westfield
Dennis Bolduc, BMS, Inc.,



BARNES AQUIFER PROTECTION ADVISORY COMMITTEE

c/o Pioneer Valley Planning Commission, 60 Congress Street, Springfield, MA 01104-3419

July 26, 2013

Mr. Brian Sullivan, Council President
City of Westfield
c/o City Clerk - 59 Court Street
Westfield, MA 01085

Reference: Indian Motorcycle Sales, 962 Southampton Road

Dear Mr. Sullivan:

I am writing to you on behalf of the Barnes Aquifer Protection Advisory Committee (BAPAC) to provide our comments regarding a proposal from Dennis Bolduc and Jeff Collingwood for a new motorcycle distributorship at 962 Southampton Road. BAPAC is composed of representatives from the four jurisdictions in which the Barnes Aquifer is located. The committee was created in 1989 to address developments of regional impact that are proposed within the aquifer to ensure that drinking water resources remain safe for the more than 60,000 people that it serves.

Dennis Bolduc and Jeff Collingwood attended BAPAC's June 7 meeting to seek BAPAC's opinion. We understand from the conversation that they are purchasing the property at 962 Southampton Road for a new motorcycle distributorship, but also are exploring the possibility of whether the back of the lot might be used to park contracting business equipment. BAPAC members indicated that if the proposal involves only the motorcycle business their proposal does not appear to pose any increased threat to the Aquifer compared to the current use. As part of the plan, it will be critical to ensure that all motorcycles are stored inside the building and no vehicle maintenance or fueling occurs on site. Parking contracting equipment at the back of the lot would require extending the paved area and installation of a system to manage stormwater and potential fuel spills.

Should this project move forward, BAPAC would like to review the plan.

Sincerely,



Michael Czerwicz, Vice-Chairman

cc Jay Vinskey, City of Westfield
Dennis Bolduc, BMS, Inc.