

CITY OF NEWTON

IN BOARD OF ALDERMEN

PROGRAMS AND SERVICES COMMITTEE AGENDA

WEDNESDAY, JANUARY 19, 2011

7:45pm Room 222

ITEMS SCHEDULED FOR DISCUSSION:

#95-09(2) PROGRAMS & SERVICE COMMITTEE requesting establishment of an Advisory Committee to review processes of the Board of Aldermen and report recommended efficiency improvements to the Board of Aldermen. Members of the Advisory Committee shall be appointed by the Chairman and Vice Chairman of the Programs & Services Committee and the President of the Board. [11/16/09 @ 3:59 PM]

REFERRED TO PROGRAMS AND SERVICES AND FINANCE COMMITTEES

#307-10 PROGRAMS AND SERVICES COMMITTEE proposing a RESOLUTION to the Interim Director of Health and Human Services to increase the tobacco seller's license fee. [10/25/210 @ 4:34pm]

#357-10(2) ALD. YATES proposing a change in the proposed rule to eliminate the Committee on Community Preservation: community preservation items relating to housing and recreation shall be referred to the Programs and Services Committee; items relating to historic preservation and open space shall be referred to the Zoning and Planning Committee; all items shall then be referred to the Finance Committee. [12/6/2010 @ 10:57PM]

REFERRED TO PUBLIC FACILITIES COMMITTEES AND PROG AND SERV

#8-09 ALD. HESS-MAHAN, LINSKY, ALBRIGHT, FREEDMAN, MANSFIELD, JOHNSON, HARNEY & VANCE proposing an ordinance requiring that the installation of synthetic in-filled turf athletic fields on city-owned property shall use sustainable, recyclable, lead-free, non-toxic products to the maximum extent feasible. [12/30/08 @ 9:55 AM]

The location of this meeting is handicap accessible, and reasonable accommodations will be provided to persons requiring assistance. If you have a special accommodation need, please contact the Newton ADA Coordinator Kathleen Cahill, 617-796-1125, via email at KCahill@newtonma.gov or via TDD/TTY at (617) 796-1089 at least two days in advance of the meeting date.

ITEMS NOT YET SCHEDULED FOR DISCUSSION:

REFERRED TO PROGRAMS & SERVICES AND FINANCE COMMITTEES

#422-06(2) ALD. HESS-MAHAN requesting that a task force be established to meet and prepare a report and recommendations regarding the regulation of noise, air pollution and best practices with respect to the operation of power equipment used in landscaping, property and yard maintenance, including, without limitation, leaf blowers. [01/27/09 @ 3:47 PM]

#207-08 ALD. BRANDEL AND SANGIOLO proposing that the following question be put before the Newton voters:
“Shall the City of Newton be allowed to exempt from the provisions of Proposition 2 ½ the amounts required to pay for the bond issuance in order to fund Newton North High School?” [05/21/08 @ 12:58 PM]
FINANCE VOTED NO ACTION NECESSARY ON 3/8/10

#355-10 PRESIDENT LENNON and ALD. LAPPIN requesting a change to the rules of the Board of Aldermen to eliminate the Real Property & Reuse Committee. Issues regarding reuse of public buildings to be referred to the Public Facilities Committee and issues regarding reuse of City owned land would be referred to the Land Use Committee. Effective date of this change will be January 1, 2012. [11/26/2010 @ 11:59 AM]

#356-10 PRESIDENT LENNON and ALD. LAPPIN requesting a change to the rules of the Board of Aldermen to eliminate the Post-Audit Committee. All post audit/follow-up items will be discussed in the substantive committee that originally heard the item. Effective date of this change will be January 1, 2012.[11/26/2010 @ 11:59 AM]

#357-10 PRESIDENT LENNON and ALD. LAPPIN requesting a change to the rules of the Board of Aldermen to eliminate the Committee on Community Preservation. All Community Preservation items will be referred to the Finance Committee. Effective date of this change will be January 1, 2012. [11/26/2010 @ 11:59 AM]

#83-07(2) ALD. YATES proposing a RESOLUTION to the City’s representatives and senator in the General Court asking them to co-sponsor the legislation of the Massachusetts Municipal Association that would give cities and towns the same power to determine their health care costs that agencies of the State have.[9/13/2010 @ 9:38am]

#98-10 ALD. YATES requesting that the Board of Aldermen and His Honor the Mayor take all possible steps to change state law to save local costs by giving cities and towns the right to negotiate health plans on the same

basis as the Commonwealth. Such steps would include, but not be limited to, joining the Coalition to Save our Communities and notifying our city legislators of our urgent concern about this matter. [03/23/10 @ 4:29 PM]

REFERRED TO PROGRAMS & SERVICES AND FINANCE COMMITTEES

- #360-09(2) PROGRAM & SERVICES COMMITTEE requesting a discussion to explore possible sources of revenue to fund an off leash dog park system in the City. [11/06/09 @ 10:44 AM]

FINANCE VOTED NO ACTION NECESSARY ON 3/8/10

REFERRED TO PROGRAMS & SERVICES AND FINANCE COMMITTEES

- #360-09(3) PROGRAMS AND SERVICES COMMITTEE requesting the creation of a revolving account for the purpose of managing the fees collected from the granting of off-leash dog licenses. [10/07/2010 @ 2:30pm]

- #306-08 ALD. BAKER, DANBERG, MANSFIELD & PARKER requesting discussion of how swimming at Crystal Lake might be lawfully and safely extended beyond mid-August. [08/26/08 @ 5:03 PM]

REFERRED TO FINANCE AND APPROPRIATE COMMITTEES

- #311-10 HIS HONOR THE MAYOR submitting the FY'12-FY'16 Capital Improvement Program, totaling \$174,246,135 pursuant to section 5-3 of the Newton City Charter and the FY'11 Supplemental Capital budget which require Board of Aldermen approval to finance new capital projects over the next several years. [10/18/10 @5:24PM]

REFERRED TO PUBLIC FACILITIES, PROG&SERV AND FINANCE COMMITTEES

- #312-10 ALD. LENNON, LAPPIN, SCHNIPPER, SANGIOLO requesting a discussion with the School Committee on its plans to address space needs in the Newton public schools. [10-27-10 @11:07 AM]

REFERRED TO PROGRAMS & SERVICES AND FINANCE COMMITTEES

- 206-10 VETERANS' AGENT requesting a discussion and support for the replacement of the WWII Honor Roll on the grounds of City Hall at the intersection of Walnut Street and Commonwealth Avenue. [07/06/10 @ 4:41 PM]

REFERRED TO LAND USE AND PROGRAMS & SERVICES COMMITTEES

- #474-08(2) ALD. HESS-MAHAN & VANCE proposing that Article X of the Rules & Orders of the Board of Aldermen be amended to conform with a proposed amendment to Chapter 30 re transfer of the special permit granting authority to the Zoning Board of Appeals and/or the Planning &

Development Board for projects that are not classified as Major Projects pursuant to Article X. (*referred to rules subcommittee*)

REFERRED TO PROGRAMS & SERVICES AND FINANCE COMMITTEES

#258-08 ALD. SANGIOLO requesting discussion with the Executive Department regarding reorganization of senior transportation services and establishment of intra-village transportation systems.
[07/08/08 @ 1:29 PM]

FINANCE VOTED NO ACTION NECESSARY ON 3/8/10

#129-08 ALD. JOHNSON, SANGIOLO AND BRANDEL requesting establishment of a new Rule of Board of Aldermen stating that any new item submitted but not yet approved or accepted by the Full Board of Aldermen is prohibited from any formal or informal discussion by any formal, informal or special committee of the Board.
[03-24-08 @ 9:11 AM]

#287-07(2) ALD. PARKER requesting a discussion with Parks and Recreation Department in regards to an appropriate marker or plaque to honor and recognize Olympic figure skater and Newton resident Tenley Albright and her skating exhibition at the Crystal Lake upon her return from the 1956 Olympic Games where she won a gold medal. [09/20/07 @ 1:22 PM]

#82-07 ALD. YATES requesting that the City of Newton take all possible steps to persuade the General Court to allow the cities and towns to tax all telecommunications facilities in the City (which would yield at least \$1.6 million per year for Newton). [02/27/07 @ 10:21 PM]

#52-07 ALD. PARKER, SANGIOLO, MANSFIELD, HARNEY, DANBERG, VANCE, LINSKY, HESS-MAHAN, BURG, ALBRIGHT & JOHNSON requesting an ordinance amendment to create a health care advisory committee whose function would be to recommend measures to control the rate of increase of health insurance costs, as recommended by the Newton Finance & Management Working Group in 2005 and the Blue Ribbon Commission on the Municipal Budget in 2007.
[02/09/07 @ 12:36 PM]

#370-06 ALD. SANGIOLO, PARKER, MANSFIELD requesting home rule legislation to allow advisory questions to be asked in a Newton special election.

REFERRED TO FINANCE AND PROGRAMS AND SERVICES COMMITTEES

#245-06 ALD. JOHNSON AND HESS-MAHAN requesting an amendment to the City Charter to require the Mayor annually to prepare and submit to the Board of Aldermen a long-term financial forecast of anticipated revenue,

expenditures and the general financial condition of the City, including, but not limited to identification of any factors which will affect the financial condition of the City; projected revenue and expenditure trends; potential sources of new or expanded revenues; anticipated municipal needs likely to require major expenditures; and a strategic plan for meeting anticipated municipal needs, to include, but not be limited to, any long or short-term actions that may be taken to enhance the financial condition of the City.

FINANCE VOTED NO ACTION NECESSARY ON 3/8/10

#298-09 ALD. MANSFIELD proposing Home Rule Legislation to amend **Article 2, Section 2-1(c) Composition; Eligibility; Election and Term** of the Newton Charter to establish four-year terms for Aldermen-at-Large with the provision for one Aldermen-at-Large to be elected from each ward at each biennial municipal election. [09-29-09 @ 6:45 PM]

REFERRED TO PROGRAMS & SERVICES AND FINANCE COMMITTEES

#273-08 ALD. JOHNSON proposing a RESOLUTION to His Honor the Mayor requesting that the Executive and Human Resources Departments develop a comprehensive human capital strategy for the city to include: performance management, talent development, succession planning, and compensation. [07/17/08 @ 9:53 AM]

FINANCE VOTED NO ACTION NECESSARY ON 3/8/10

REFERRED TO PROGRAMS & SERVICES AND FINANCE COMMITTEES

#270-08 ALD. JOHNSON proposing a RESOLUTION to His Honor the Mayor requesting that he work with the Board of Aldermen, School Department, and School Committee in order to determine the most effective and efficient way to organize the Information Technology Departments. [07/17/08 @ 9:53 AM]

FINANCE VOTED NO ACTION NECESSARY ON 3/8/10

REFERRED TO PROG. & SERV., PUB.FAC. AND FINANCE COMMITTEES

#89-08 ALD. PARKER requesting the following:

- A) review of the maintenance practices for buildings, parks and other properties owned by the City (including School Department facilities and grounds)
- B) development of a comprehensive maintenance plan that includes regular schedules for preventive maintenance for each specific site or facility
- C) a RESOLUTION requesting that implementation of said maintenance plan be funded using operating budget funds.

[02/13/08 @ 12:07 PM]

FINANCE VOTED NO ACTION NECESSARY ON 3/8/10

PUBLIC FACILITIES NO ACTION NECESSARY ON 11/3/10

- #373-10 ALD. GENTILE, HARNEY, SANGIOLO requesting amendment to §20-13, *Noise Control*, of the City of Newton Revised Ordinances to prohibit outdoor athletic events from starting before 7 AM and increase the maximum fine to \$300. [12-10-10 @ 12:53 PM]
- #329-05(3) ALD. YATES requesting a discussion relative to amending the noise control ordinance to (A) prohibit the cumulative noise level from multiple pieces of equipment operating simultaneously on the same site to exceed the maximum noise levels allowed when measured at the nearest lot line and (B) to eliminate various exemptions in residential districts.

Respectfully Submitted,

Amy Sangiolo, Chairman

95-09(2)
95.09(2)

CITY OF NEWTON

IN BOARD OF ALDERMEN

LONG RANGE PLANNING COMMITTEE REPORT

THURSDAY, OCTOBER 1, 2009

Present: Ald. Hess-Mahan (Chairman), Albright, Baker, Danberg, and Johnson

#95-09 TOM SHEFF requesting the Board of Aldermen appoint an advisory committee made of up persons who are not elected officials to review the daily processes of the Board of Aldermen and report recommended efficiency improvements to the Board of Aldermen. [03/26/09 @8:34 pm]

NOTE: The item is a request from a citizen to form an advisory committee to look at the processes of the Board of Aldermen and recommend improvements to the Board. Mr. Sheff, the docketor, was unable to join the Committee for discussion of this item but provided an e-mail, which was attached to the agenda. The e-mail outlined Mr. Sheff's suggestions regarding the advisory committee's membership and mission.

Ald. Albright thought that it would be helpful if the Clerk's Office could research docket items and determine how long an item sits on an agenda before it is discussed. Ald. Johnson pointed out that some items such as appointments are dealt with quickly, while items such as the tree ordinance or the noise ordinance take a significant amount of discussion time. Ald. Johnson added that there are also docket items that sit on agendas because it is up to the Chairman whether the items are discussed. Ald. Danberg stated that some type of protocol needed to be established for items that languish on agendas. Ald. Hess-Mahan stated that the federal courts began requiring the clerk for each judge to collect information on how many cases were filed and how many were disposed of within a six-month timeframe. Ald. Baker reminded the Committee that there is a rule within the Rules of the Board requiring docket items to be discussed within a set amount of time.

Ald. Hess-Mahan was thinking about the citizen component of the proposed advisory committee. In talking with Mr. Sheff, he realized that citizens might have entirely different ideas regarding what is inefficient or what is working well. It is his sense that citizens get a very different view. Ald. Hess-Mahan also spoke with Mr. Sheff about procedures that the Aldermen use that may not be transparent to the public, such as proceedings at public hearings. Ald. Mansfield, the Chair of the Land Use Committee, provides written explanation of the procedures at each Land Use public hearing. In addition, President Baker from time to time begins Board meetings with an explanation of first and second call, which is helpful to people unaware of the process. Ald. Hess-Mahan felt that it would be useful to have both aldermanic and citizen input on the advisory committee, as he feels that to most people unfamiliar with City government, the Board of Aldermen meetings are a cipher.

Ald. Hess-Mahan reviewed the information contained in an efficiency report generated by Aldermen in 1972. At the time, the Board of Aldermen did not have any type of process, such as first call and second call. Every single item before the Board was discussed on the floor of the Board and meetings went on until two or three in the morning. There was also some shift

in the Board makeup at that time. Although it was still non-partisan, the Board was dominated by one political party and was in the process of changing over to the other party creating a balance on the Board. During that time, one of the concerns was how often Aldermen voted with each other in blocks. At that time, the Board did not even have Robert's Rules of Order, let alone a set of written rules. The efficiency report was a phenomenal piece of work.

Ald. Johnson suggested looking at the Committee structure, especially when things are docketed to multiple committees. She questioned whether there was a real need for the Post Audit Committee and the Committee on Community Preservation. She believes that the Post Audit Committee could be an important committee, if it was utilized. The advisory committee and Board could do some research on how to better utilize that committee. It is possible that the Board could eliminate the Committee on Community Preservation because applications for Community Preservation Funds have decreased significantly leaving the Committee with a very light workload. The work could go to either the Public Facilities Committee or the Programs and Services Committee depending on the content. Ald. Baker stated that a number of years ago a number of Aldermen looked at the issue of trying to consolidate committees. At that time, the committee structure had two topical issues that were not self-evident. One unexpected benefit was that when some items were discussed in more than one Committee, it seemed to weed out some of the controversy. Those items often went through the Board on first call, where they would not have otherwise. The second issue that generated discussion was the appropriate size for committees. Many Aldermen wanted to discuss certain items while other items did not warrant the same amount of interest. Ald. Baker felt that the Board could benefit by looking at Committee structure again.

Ald. Hess-Mahan noted that there are three basic things that the Committee seems to be discussing as appropriate for discussion by the advisory committee. They relate to workflow, transparency, and committee organization and structure. Ald. Hess-Mahan inquired if there were any other things that should be recommended to Programs and Services Committee.

Ald. Hess-Mahan spoke to David Olson, City Clerk/Clerk of the Board, again about Granicus, which is a web-based software program that would provide additional information to the public on Board meetings. Unfortunately, there has been an ongoing dispute between NewTV and the city over who is going to pay for the program, how much they are going to pay, and who is going to own the equipment associated with Granicus.

Ald. Johnson thought that it would be helpful to have a more user-friendly city website. Ald. Albright pointed out that it is very difficult to search the ordinances and the webpage. Ald. Danberg informed the Committee that she had submitted a stimulus fund request of \$50,000 to redo the city website. She has yet to hear anything regarding the request. She believes that improving the website would go a long way to resolving the transparency issue.

The Committee discussed what type of people should be included on the advisory committee. Ald. Johnson requested a process person with an organizational background. Ald. Albright suggested an information technology professional with database management experience. She would also like to see some type of content management system for docket items, as it would make finding information on webpage much easier. Ald. Johnson stated that

the aldermen appointed to the Committee should represent fairly new members as well as long serving Aldermen. A newer Alderman may have a different view of the Board functions.

The Committee also discussed the size of the proposed advisory committee and felt that between five and eight members was the appropriate size. In addition, Ald. Baker reminded the committee that the Board and Executive office would be in a transition period after the election. He suggested that it might be advisable to institute the advisory committee at the start of the new Board. Ald. Johnson agreed and added that it would be nice to have everything in place by January.

SUMMARY OF RECOMMENDATIONS:

- Establish Advisory Committee in early 2010 to review processes of the Board of Aldermen and report recommended efficiency improvements to the Board of Aldermen
- Advisory Committee should be comprised of 5-8 members including past and present aldermen with range of years of service, citizens with expertise including a process person with organizational background, and an information technology professional with database management experience
- Review of processes of the Board of Aldermen should include workflow, public communication, and committee organization and structure as well as other areas of interest to be determined by the Advisory Committee
- Review of workflow should include analysis of the amount of time docket items remain on committee agendas before discussions and/or actions take place, and development of searchable database indicating status of each docket item with links to agendas, reports and other documents
- Review of public communications should include online availability and retrieval of agendas, reports and other documents from the aldermanic website, explanation of process at public hearings and meetings, and methods for providing effective notice of meetings, hearings and other important events
- Review of committee organization and structure should include possible creation, consolidation and/or elimination of committees or functions of committees, and referral of certain types of items to more than one committee

Note from the Chairman: The Long Range Planning Committee did not discuss whether the Advisory Committee should be an ad hoc or a standing committee, which is an issue that the Programs & Services Committee may wish to address.

All other items were held without discussion and the meeting adjourned at 8:30 PM.

Respectfully submitted,

Alderman Ted Hess-Mahan, Chair

#95-09(2)
#95.09(2)

#95-09(2) PROGRAMS & SERVICE COMMITTEE requesting establishment of an Advisory Committee to review processes of the Board of Aldermen and report recommended efficiency improvements to the Board of Aldermen. Members of the Advisory Committee shall be appointed by the Chairman and Vice Chairman of the Programs & Services Committee and the President of the Board. [11/16/09 @ 3:59 PM]

ACTION: HELD 7-0 (Linsky not voting)

NOTE: Ald. Hess-Mahan explained that this item came from a previous item docketed by Tom Sheff. Originally it was an outside group to be an advisory committee on the efficiency of the Board. Working with Tom Sheff, it became a joint effort with current and former aldermen as well as citizens. The Long Range Planning Committee took this up and made some recommendations, which was not an exclusive list. The report was not attached to the agenda, so Ald. Hess-Mahan felt it would be best to hold the item so it could be reviewed by the Committee. Ald. Sangiolo asked if the Long Range Committee had determined how many people should serve on the committee. Ald Hess-Mahan said 7-9 was suggested. He said they had also looked at finding people with certain expertise such as IT, Process Management, etc. That report is attached here.

The Committee voted to hold this item by a vote of 7-0

February 3, 2010 Programs & Services Report

TO: Programs and Services Committee Members

FROM: Amy Mah Sangiolo

DATE: October 13, 2010

RE: Tobacco Seller Permit Fees

Back in September of 2009, I docketed an item before the Programs and Services Committee to discuss the possibility of increasing the tobacco seller license fee. This was related to docket item: #232-09 ALD. HESS-MAHAN, DANBERG AND FREEDMAN requesting an amendment to the City of Newton Ordinances to ban the sale of tobacco products at pharmacies in Newton.

Up for discussion: Whether Newton should consider raising the current fee it charges for tobacco sellers from \$100 per year to a higher amount. Below is a list of some fees charged by other communities in Massachusetts.

Fees Charged by other communities

Wellesley: \$250

Brookline: \$250

Waltham: \$110 – 2 year permit

South Hadley \$75

Braintree: \$100

Kingston: \$100

Lowell: \$50

**AN ASSESSMENT OF CHEMICAL LEACHING,
RELEASES TO AIR AND TEMPERATURE AT
CRUMB-RUBBER INFILLED SYNTHETIC TURF FIELDS**

New York State Department of Environmental Conservation

New York State Department of Health

May 2009

Prepared by:

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Preface

From the Spring of 2008 to the Fall of 2008, the New York State Department of Environmental Conservation conducted a series of studies to assess some potential impacts from the use of crumb rubber as infill material in synthetic turf fields. Crumb rubber samples were obtained from New York State manufacturers and evaluated to determine the potential for release of pollutants into the air and by leaching. Field sampling was conducted at two New York City fields to evaluate the release of airborne chemicals, release of particulate matter and measurements of heat. Ground and surface water was evaluated at other fields to assess potential impacts. The New York State Department of Health assessed the air quality monitoring survey data. This report addresses some aspects of the use of crumb rubber infill in synthetic turf fields and is not intended to broadly address all synthetic turf issues, including the potential public health implications associated with the presence of lead-based pigments in synthetic turf fibers. Information about lead in synthetic turf fibers is available in a Centers for Disease Control and Prevention Health Advisory available at <http://www2a.cdc.gov/han/archivesys/ViewMsgV.asp?AlertNum=00275>.

Executive Summary

This report presents the findings from a New York State Department of Environmental Conservation (NYSDEC) study, designed to assess potential environmental and public health impacts from the use of crumb rubber as infill material in synthetic turf fields. The New York State Department of Health (NYSDOH) evaluated the potential public health risks associated with the air sampling results. The study focused on three areas of concern: the release and potential environmental impacts of chemicals into surface water and groundwater; the release and potential public health impacts of chemicals from the surface of the fields to the air; and elevated surface temperatures and indicators of the potential for heat-related illness ("heat stress") at synthetic turf fields.

The study included a laboratory evaluation, applied to four types of tire-derived crumb rubber (car, truck, a mixture of car and truck, and a mixture cryogenically produced), to assess the release of chemicals using the simulated precipitation leaching procedure (SPLP). The results of this evaluation indicate a potential for release of zinc, aniline, phenol, and benzothiazole. Zinc (solely from truck tires), aniline, and phenol have the potential to be released above groundwater standards or guidance values. No standard or guidance value exists for benzothiazole. However, as leachate moves through soil to the groundwater table, contaminant concentrations are attenuated by adsorption and degradation, and further reduced by dilution when contaminants are mixed with groundwater. An analysis of attenuation and dilution mechanisms and the associated reduction factors indicates that crumb rubber may be used as an infill without significant impact on groundwater quality, assuming the limitations of mechanisms, such as separation distance to groundwater table, are addressed.

Analysis of crumb rubber samples digested in acid revealed that the lead concentration in the crumb rubber samples were well below the federal hazard standard for lead in soil and indicate that the crumb rubber from which the samples were obtained would not be a significant source of lead exposure if used as infill material in synthetic

turf fields. The evaluation of volatile and semi-volatile organic compounds by off-gassing proved difficult to conduct quantitatively due to the strong absorptive nature of the crumb rubber samples but the results did provide useful information for additional analytes in the ambient air field investigation.

A risk assessment for aquatic life protection performed using the laboratory SPLP results, found that crumb rubber derived entirely from truck tires may have an impact on aquatic life due to the release of zinc. For the three other types of crumb rubber, aquatic toxicity was found to be unlikely. When the results of the column tests are used in this risk assessment model, no adverse impacts are predicted for any of the crumb rubber types evaluated. Although the SPLP results predict a greater release of chemicals, the column test is considered more representative of the field conditions.

The study also included a field sampling component for potential surface and groundwater impacts. This work has not been fully completed at the time of this report. The groundwater sampling that was conducted shows no impact on groundwater quality due to crumb rubber related compounds, but this finding should not be considered as conclusive due to the limited amount of data available. Additional sampling of surface and groundwater at crumb-rubber infill synthetic turf fields will be conducted by NYSDEC. The results will be summarized in a separate report.

A field evaluation of chemical releases from synthetic turf surfaces was conducted at two locations using an air sampling method that allowed for identification of low concentration analytes and involved the evaluation of the potential releases of analytes not previously reported. Few detected analytes were found. Many of the analytes detected (e.g., benzene, 1,2,4-trimethylbenzene, ethyl benzene, carbon tetrachloride) are commonly found in an urban environment. A number of analytes found in previous studies evaluating crumb rubber were detected at low concentrations (e.g., 4-methyl-2-pentanone, benzothiazole, alkane chains (C4-C11)).

A public health evaluation was conducted on the results from the ambient air sampling and concluded that the measured levels of chemicals in air at the Thomas Jefferson and John Mullaly Fields do not raise a concern for non-cancer or cancer health effects for people who use or visit the fields.

The ambient air particulate matter sampling did not reveal meaningful differences in concentrations measured on the field and those measured upwind of the field. This may be explained by the lack of rubber dust found in the smaller size fraction (respirable range) through the application of aggressive sampling methods on the surface of the fields. Overall, the findings do not indicate that these fields are a significant source of exposure to respirable particulate matter.

The results of the temperature survey show significantly higher surface temperatures for synthetic turf fields as compared to the measurements obtained on nearby grass and sand surfaces. While the temperature survey found little difference for the indicators of heat stress between the synthetic turf, grass, and sand surfaces, on any given day a small difference in the heat stress indicators could result in a different guidance for the different surface types. Although little difference between indicators of heat stress measurements was found, the synthetic turf surface temperatures were much higher and prolonged contact with the hotter surfaces may have the potential to create discomfort, cause thermal injury and contribute to heat-related illnesses. Awareness of the potential for heat illness and how to recognize and prevent heat illness needs to be raised among users and managers of athletic fields, athletic staff, coaches and parents.

This assessment of certain aspects of crumb-rubber infilled synthetic turf fields was designed to collect data under conditions representative of "worst case" conditions (e.g., summer-time temperatures that should maximize off-gassing of chemicals). However, samples collected under different conditions, using different methods or at different fields could yield different results. For example, the results of measurements may be different for fields of other ages or designs (e.g., different volumes of crumb rubber infill, non-crumb rubber infill) or for indoor fields. This report is not intended to

broadly address all synthetic turf issues, including the potential public health implications associated with the presence of lead-based pigments in synthetic turf fibers. Information about lead in synthetic turf fibers is available in a Centers for Disease Control and Prevention Health Advisory available at

<http://www2a.cdc.gov/han/archivesys/ViewMsgV.asp?AlertNum=00275>

Requirement that installation of synthetic in-filled turf athletic fields on city-owned properties use sustainable, recyclable, lead-free, non-toxic products to the maximum extent feasible.

The installation of synthetic in-filled turf athletic fields on city-owned property shall use sustainable, recyclable, lead-free, non-toxic products to the maximum extent feasible.

“Feasible” means capable of being accomplished in a successful manner within a reasonable period of time, taking into account estimated cost, effectiveness, environmental, safety, public health, legal and technological factors.

“Maximum extent feasible” means no prudent, practical, and feasible alternative exists, taking into account the best available technology, cost effectiveness and other competing issues such as safety, public health, and environmental risks and benefits. In determining what is the maximum extent feasible, the City shall consider, at a minimum, effectiveness, engineering feasibility, commercial availability, safety, environmental impact and cost. Cost shall not be the overriding factor in determining “maximum extent feasible,” and must include consideration of projected life cycle costs, including, but not limited to, maintenance, repair, replacement, recycling and/or disposal costs over the estimated useful life of the installation. “Maximum extent feasible” is intended to be a flexible standard that may vary depending on consideration of the factors listed above and site conditions for each specific installation.