

Haley & Aldrich, Inc.  
465 Medford St.  
Suite 2200  
Boston, MA 02129-1400

Tel: 617.886.7400  
Fax: 617.886.7600  
HaleyAldrich.com



29 August 2011  
File No. 10063-066

Massachusetts Department of Environmental Protection  
205B Lowell Street  
Wilmington, Massachusetts 01887

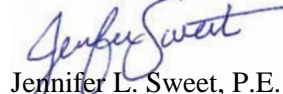
Attention: Jack Miano

Subject: W.R. Grace & Co.-Conn.  
62 Whittemore Avenue, One Alewife Center, and  
134 Alewife Brook Parkway  
Cambridge, Massachusetts  
RTNs 3-0277 and 3-3411

Dear Mr. Miano:

On behalf of W.R. Grace & Co.-Conn., we are submitting the Protective Cover Monitoring Plan (PCMP) Inspection Report No. 29. Haley & Aldrich completed the site inspection on 11 August 2011 in accordance with the PCMP, dated March 2006. Results of the inspection are provided in the attached log report. Please contact the undersigned if you have any questions.

Sincerely yours,  
HALEY & ALDRICH, INC.



Jennifer L. Sweet, P.E.  
Senior Engineer

Enclosures  
PCMP Inspection Report No. 29

c: PIP Repositories:  
W.R. Grace & Co.-Conn  
Cambridge Main Library  
North Cambridge Library  
Cambridge Health Alliance  
City Manager, City of Cambridge; Attn: Mr. Robert Healy  
Cambridge Public Health Department; Attn: Mr. Sam Lipson

<b>Project Location</b>	W.R. Grace & Co.-Conn. 62 Whittemore Avenue, One Alewife Center, 134 Alewife Brook Parkway	<b>Report No.</b>	29
<b>Address</b>	Cambridge, Massachusetts	<b>Date</b>	11 August 2011
<b>Client</b>	W.R. Grace & Co.	<b>Page</b>	1 of 6
<b>Weather</b>	Clear	<b>File No.</b>	10063-066
<b>Field Rep.</b>	Jennifer Sweet, Dave Croce	<b>Temperature</b>	80s°
<b>LSP</b>	John R. Kastrinos, P.G., LSP		

**1. Protective Cover Surface Observations:**

**Area 1 Conditions:**

Yes  No Is Protective Cover in Area 1 observed to be in same conditions compared to “baseline conditions”? If no, describe change(s) in conditions: \_\_\_\_\_

Yes  No Are there bare spots, signs of erosion, or large potholes in pavement? (If yes, attach photographs and figure showing location and extent): Describe eroded area or areas of potholes: A small sinkhole has developed in the middle of the parking lot located on the northern end of the property (see Figure for location and photo). The hole has been covered with plastic sheeting and the area coned off. W.R. Grace is conducting non-soil disturbing investigations to determine the cause of the sinkhole and will fill it in and patch the pavement once the cause has been determined.

Yes  No Is there any Asbestos Containing Material (ACM) observed at the ground surface: \_\_\_\_\_

Other Observations: \_\_\_\_\_

**Area 2 Conditions:**

Yes  No Is Protective Cover in Area 2 observed to be in same conditions compared to “baseline conditions”? If no, describe change(s) in conditions: \_\_\_\_\_

Yes  No Are there bare spots, signs of erosion? (If yes, attach photographs and figure showing location and extent): Describe eroded area or areas of potholes: \_\_\_\_\_

Yes  No Is there any Asbestos Containing Material (ACM) observed at the ground surface: \_\_\_\_\_

Other Observations: \_\_\_\_\_

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**Area 3 Conditions:**

Yes |  No Is Protective Cover in Area 3 observed to be in same conditions compared to “baseline conditions”? If no, describe change(s) in conditions: \_\_\_\_\_

Yes |  No Are there bare spots, signs of erosion? (If yes, attach photographs and figure showing location and extent): Describe eroded area or areas of potholes: \_\_\_\_\_

Yes |  No Is there any Asbestos Containing Material (ACM) observed at the ground surface: \_\_\_\_\_

Other Observations: \_\_\_\_\_

**Area 4 Conditions:**

Yes |  No Is Protective Cover in Area 4 observed to be in same conditions compared to “baseline conditions”? If no, describe change(s) in conditions: \_\_\_\_\_

Yes |  No Are there bare spots, signs of erosion? (If yes, attach photographs and figure showing location and extent): Describe eroded area or areas of potholes: \_\_\_\_\_

Yes |  No Is there any Asbestos Containing Material (ACM) observed at the ground surface: \_\_\_\_\_

Other Observations: \_\_\_\_\_

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**Area 5 Conditions:**

Yes |  No Is Protective Cover in Area 5 observed to be in same conditions compared to “baseline conditions”? If no, describe change(s) in conditions: \_\_\_\_\_

Yes |  No Are there bare spots, signs of erosion? (If yes, attach photographs and figure showing location and extent): Describe eroded area or areas of potholes: \_\_\_\_\_

Yes |  No Is there any Asbestos Containing Material (ACM) observed at the ground surface: \_\_\_\_\_

Other Observations: \_\_\_\_\_

**Area 6 Conditions:**

Yes |  No Is Protective Cover in Area 6 observed to be in same conditions compared to “baseline conditions”? If no, describe change(s) in conditions: \_\_\_\_\_

Yes |  No Are there bare spots, signs of erosion, or large potholes in pavement? (If yes, attach photographs and figure showing location and extent): Describe eroded area or areas of potholes: \_\_\_\_\_

Yes |  No Is there any Asbestos Containing Material (ACM) observed at the ground surface: \_\_\_\_\_

Other Observations: \_\_\_\_\_

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<b>LSP</b>	John R. Kastrinos, P.G., LSP		

**Area 7 Conditions:**

Yes |  No Is Protective Cover in Area 7 observed to be in same conditions compared to “baseline conditions”? If no, describe change(s) in conditions: \_\_\_\_\_

Yes |  No Are there bare spots or signs of erosion? (If yes, attach photographs and figure showing location and extent): Describe eroded area or areas of potholes: \_\_\_\_\_

Yes |  No Is there any Asbestos Containing Material (ACM) observed at the ground surface: \_\_\_\_\_

Other Observations: \_\_\_\_\_

**Area 8 Conditions:**

Yes |  No Is Protective Cover in Area 8 observed to be in same conditions compared to “baseline conditions”? If no, describe change(s) in conditions: \_\_\_\_\_

Yes |  No Are there signs of erosion or large potholes in pavement? (If yes, attach photographs and figure showing location and extent): Describe eroded area or areas of potholes: \_\_\_\_\_

Yes |  No Is there any Asbestos Containing Material (ACM) observed at the ground surface: \_\_\_\_\_

Other Observations: \_\_\_\_\_

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**2. Interview with Owner Representative**

Name of Owner's Representative interviewed: David Croce

Any new buildings or structures on the Site? No

Any changes in use of the existing buildings? No

Any changes in use of un-built areas? No

Any evidence of active recreation? No

Any current activities that would degrade the Protective Cover? No

Any evidence of property use for cultivation of fruits and vegetables for human consumption? No

Has there been any emergency utility work conducted since the last inspection? No

**3. Maintenance/Repair Actions to be Taken**

<input checked="" type="radio"/> Yes	<input type="radio"/> No
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Were there changes in the Protective Cover noted during the inspection that require actions to be taken to maintain and/or repair the Cover? If yes, describe: See description of sinkhole under Area 1 description.

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**4. Other Comments:**

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**PROTECTIVE COVER MONITORING PLAN INSPECTION REPORT**

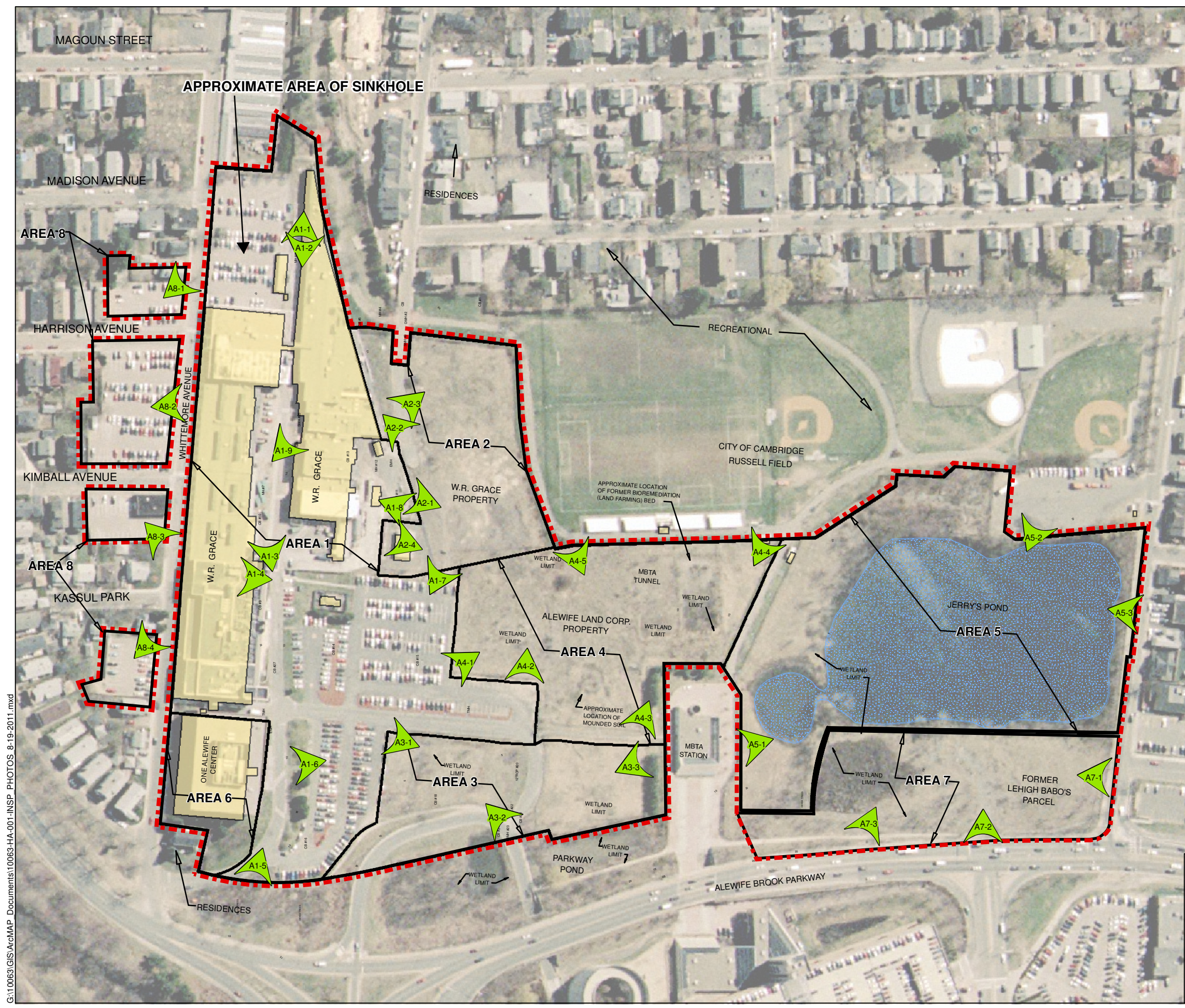
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- ATTACHMENTS:**       Figure 1: PCMP – Site Orthophoto
- (Check off attachments)     Photographs (List and note photo location/orientation on figure)
- \_\_\_\_\_
- \_\_\_\_\_
- 

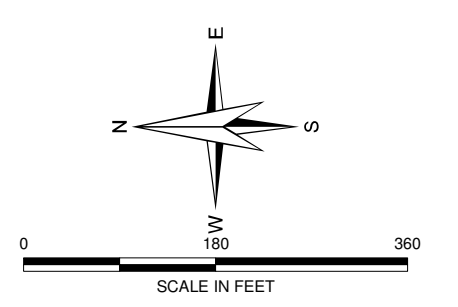
  
\_\_\_\_\_  
**Haley & Aldrich, Inc.**



**LEGEND:**

- INSPECTION PHOTOGRAPHS
- DIRECTION OF PHOTOGRAPH
- PHOTO NUMBER
- EXISTING STRUCTURE
- AREA OF INTEREST
- EXISTING WATER BODY
- APPROXIMATE LIMITS OF AUL

- NOTES:**
1. ALL LOCATIONS, DIMENSIONS AND SITE FEATURES ARE APPROXIMATE.
  2. 1/2 METER RESOLUTION ORTHOPHOTOGRAPHY FLOWN IN 2001 OBTAINED FROM THE OFFICE OF GEOGRAPHIC AND ENVIRONMENTAL INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS.
  3. NO PHOTOGRAPHS WERE TAKEN AT LOCATIONS A2-2 AND A4-2.



**HALEY & ALDRICH** W.R. GRACE & CO. - CONN.  
 62 WHITEMORE AVENUE  
 PROTECTIVE COVER MONITORING PLAN  
 CAMBRIDGE, MASSACHUSETTS

**SITE ORTHOPHOTO**

SCALE: AS SHOWN  
 AUGUST 2011

**FIGURE 1**

G:\10063\GIS\ArcMAP\_Documents\10063-HA-001-INSF\_PHOTOS\_8-19-2011.mxd





**A1-1**



**A1-2**



**A1-3**



**A1-4**



**A1-5**



**A1-6**



A1-7



A1-8



**Area 1 Parking Lot Sinkhole**



**A2-1**



**A2-2**



**A2-3**



**A2-4**



**A3-1**



**A3-2**



**A3-3**





**A4-1**



**A4-2**



**A4-3**



**A4-4**



**A4-5**



**A5-1**



A5-2



A5-3



**A7-1**



**A7-2**



**A7-3**



**A8-1**



**A8-2**



**A8-3**



**A8-4**