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300 Pearl Street
Suite 100
Buffalo, NY 14202

14NY160
December 15, 2014

NYS Department of Environmental Conservation
270 Michigan Avenue
Buffalo, NY 14203-2999

Attn: David Szymanski, Project Manager

Re: Corrective Measures Summary Report
Former Alumax Extrusions Site
320 South Roberts Road
Dunkirk, NY 14048
VCP Site No. V00589

Dear Mr. Szymanski:

KHEOPS Architecture, Engineering & Survey, DPC (KHEOPS) is submitting this letter report on behalf of the Chautauqua County Department of Public Facilities to document the corrective measures that have occurred at the Former Alumax Extrusions Site (VCP Site No. V00589). The site is now in compliance with the June 2004 Combined Institutional Control Plan and Operations and Maintenance Plan (CICP/OMP) and the November 2004 Deed Restrictions. Please note that the report contains our observations regarding the current use of the site and the operation and maintenance of the remedial components in place at the site.

Based on our review, the site is in compliance with the CICP/OMP. It should be noted that construction activities have concluded and all areas of disturbance are covered by asphalt or concrete on-site. The concrete from the former building foundation was rubbleized and left in place at the site, while the remainder is covered by the asphalt-paved roadway. KHEOPS personnel re-visited the site on September 10, 2014 and completed the IC/EC certification form which is included as an attachment to this letter report.

Should you have any questions or comments concerning our submittal, please do not hesitate to contact me at your earliest convenience.

Very truly yours,

KHEOPS ARCHITECTURE, ENGINEERING AND SURVEY

A handwritten signature in cursive script that reads "Michelle L. Bodewes".

Michelle L. Bodewes, PE, ENV SP
Project Manager
MLB/jld

cc: George Spanos, P.E., Director of Department of Public Facilities

ATTACHMENT 1

NYSDEC PRR RESPONSE LETTER



September 17, 2014

Chautauqua County
Attn: Mr. Dan Polowy
Gerace Office Building
3 N. Erie Street
Mayville, New York 14757-1007

Dear Mr. Polowy (as the Certifying Party):

Site Management (SM) Periodic Review
Report (PRR) Response Letter
Closed Alumax Extrusions, Inc. Facility
Dunkirk (C), Chautauqua County
Site No.: V00589

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: August 02, 2013 to August 02, 2014.

The Department hereby rejects the PRR and associated Certification for the following reason:

- The Volunteer's Consultant, KHEOPS, has cited that due to current development on the Site, it is currently not in compliance with Site's Combined Institutional Control Plan and Operations and Maintenance Plan (CICP/OMP).

The Corrective Measures Work Plan (CMWP) and the schedule that were submitted (Roadway Completion by October 2014) are acceptable with one caveat: restoration of cover systems mentioned in the CMWP were not given specific completion dates. Based on the review of the current PRR submission, Corrective Measures are estimated to be complete as of October 2014. As such, the Department has set a due date for the Corrective Measures Summary report and IC/EC Certification for **December 15, 2014**. Please advise the Department of any schedule modifications so that we may adjust our dates accordingly. Also, prior to establishing the cited "one-foot, vegetated soil cover system", please provide the Department with a written response regarding sources of materials that will be used as well as any data required to ensure that it meets NYSDEC DER-10 guidance for imported material.

Mr. Dan Polowy
September 17, 2014
Page 2

After review of the current PRR, please note the following items:

- It is noted that George Spanos, P.E., is in receipt of the PRR for the County. Please inform the Department of who is the correct person to address as the Certifying Party as well as provide a street address, telephone, and e-mail for whoever is assigned this responsibility.
- Site contaminant levels were noted to have increased in certain monitoring wells. Within the next reporting period, please ensure that an Engineer's evaluation is performed which will assess remedy performance and make recommendations based on the evaluation.

If you have any questions or comments, please contact me at (716) 851-7220 or e-mail: david.szymanski@dec.ny.gov.

Sincerely,



David Szymanski
Project Manager

DS:sz

ec: Mr. Martin Doster - NYSDEC
Mr. Vincent Horrigan - County Executive, Chautauqua County
Mr. George Spanos - Chautauqua County Department of Public Facilities
Ms. Jessica Gostomski - KHEOPS

ATTACHMENT 2

PHOTOGRAPH



View of the completed roadway depicting that construction activities are complete

ATTACHMENT 3

IC/EC CERTIFICATION FORM

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
79.16-2-4	Cliffstar Corp.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan O&M Plan

Combined Institutional Control Plan/ Operations and Maintenance Plan (6/23/2004)and Deed Restriction (filed 11/3/2004):

- 1) Landuse Restriction: Restricted Industrial or Restricted Commercial.
- 2) Ground water use restriction.
- 3) Soils Management Plan.
- 4) Surface Cover System.
- 5) Ground water monitoring.
- 6) Sub-Slab venting system.

79.16-2-5	Chautauqua County	Ground Water Use Restriction Landuse Restriction Soil Management Plan Monitoring Plan O&M Plan
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Combined Institutional Control Plan/ Operations and Maintenance Plan (6/23/2004)and Deed Restriction (filed 11/3/2004):

- 1) Landuse Restriction: Restricted Industrial or Restricted Commercial.
- 2) Ground water use restriction.
- 3) Soils Management Plan.
- 4) Surface Cover System.
- 5) Ground water monitoring.
- 6) Sub-Slab venting system.

Description of Engineering Controls

<u>Parcel</u>	<u>Engineering Control</u>
79.16-2-4	Vapor Mitigation Cover System
79.16-2-5	Vapor Mitigation Cover System

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

- a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;
- b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

- (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
- (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
- (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
- (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
- (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. V00589

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Michelle Bodewes at 300 Pearl St., Suite 100, Buffalo, NY 14202
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Michelle F. Bodewes
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

12/15/14
Date

IC/EC CERTIFICATIONS

Box 7

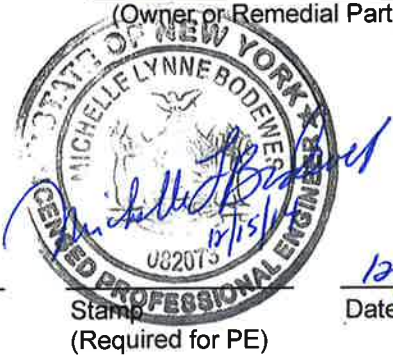
Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Michelle Bodewes at 300 Pearl St., Suite 100, Buffalo, NY 14202
print name print business address

am certifying as a Qualified Environmental Professional for the Owner
(Owner or Remedial Party)

Michelle Bodewes
Signature of Qualified Environmental Professional, for
the Owner or Remedial Party, Rendering Certification



12/15/14
Date

Stamp
(Required for PE)

Enclosure 3
Periodic Review Report (PRR) General Guidance

- I. Executive Summary: (1/2-page or less)
 - A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
 - B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
 1. progress made during the reporting period toward meeting the remedial objectives for the site
 2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
 - C. Compliance
 1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
 2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
 - D. Recommendations
 1. recommend whether any changes to the SMP are needed
 2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
 3. recommend whether the requirements for discontinuing site management have been met.

- II. Site Overview (one page or less)
 - A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
 - B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

- III. Evaluate Remedy Performance, Effectiveness, and Protectiveness

Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

- IV. IC/EC Plan Compliance Report (if applicable)
 - A. IC/EC Requirements and Compliance
 1. Describe each control, its objective, and how performance of the control is evaluated.
 2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
 3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
 4. Conclusions and recommendations for changes.
 - B. IC/EC Certification
 1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

- V. Monitoring Plan Compliance Report (if applicable)
 - A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
 - B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
 - C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
 - D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
 - E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

- VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
 - A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
 - B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
 - C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated the ability of each component of the remedy subject to O&M requirements to perform as

designed/expected.

- D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.
- E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

- A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
 - 1. whether all requirements of each plan were met during the reporting period
 - 2. any requirements not met
 - 3. proposed plans and a schedule for coming into full compliance.
- B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.
- C. Future PRR Submittals
 - 1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
 - 2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.