

May 16, 2005

001-09359-00

Ms. Barbara Cook, P.E.
Chief, Northern California – Coastal Cleanup
Department of Toxic Substance Control/Berkeley
700 Heinz Avenue, Suite 200
Berkeley, California 94710

Subject: Temporary Cap Inspection Summary, Campus Bay, Richmond, California
Department of Toxic Substances Control Site Investigation Order,
Docket No. 04/05-006

Dear Ms. Cook:

This letter documents the condition and recommendations for required maintenance of the Temporary Cap located at the Campus Bay Site, Richmond, California. This summary was prepared to meet requirements stated in section 4.1 of LFR's "Revised Temporary Cap Maintenance Plan, Former Zeneca Property Now Known as the Campus Bay Site, Richmond, California," dated April 18, 2005.

On April 19, 2005, LFR inspected the temporary cap to check if the cap integrity has been maintained. During the inspection the cap surface was visually observed for the following:

- differential settlement and surface water ponding
- erosion, cracking and damage of the cap and surface disturbances
- obstruction or blocking of drainage facilities

The southeast quadrant of the cap area occupies the sediment containment area, which is part of the Habitat Enhancement Area remediation and restoration activities. Exposed cinder covered much of this area during the time of the inspection since the remedial activities were ongoing. In the other areas of the cap there was no evidence of settlement and surface erosion observed during the inspection. Any visual evidence of exposed cinder caused by cracks were marked with spray paint and documented on the Temporary Site Cap Inspection Form and Plan for repair. Surface disturbances caused by vegetation growth through the cap or damage by vehicles were also marked and documented. The Temporary Site Cap Inspection Form and Temporary Site Inspection Plan for April 19, 2005 are attached with this letter.

After performing the Temporary Cap site inspection, LFR recommends the following maintenance and repair measures:

- apply cap material to the exposed cinder in and around the sediment containment area.
- repair any cracks and damage that visually expose cinder

- cut and remove any vegetation growth protruding the cap

During the cap application activities, an LFR representative will walk the cap area with the contractor to locate the required repairs.

Please do not hesitate to call me at (510) 596-9671 if you have any questions or need additional information.

Sincerely,

A handwritten signature in black ink that reads "William L. Carson".

William L. Carson, P.E.
Senior Civil Engineer

Enclosure

cc: Mr. Cecilio Felix, RWQCB
Mr. Doug Mosteller, Cherokee Investment Partners
Mr. Dwight Stenseth, Cherokee Investment Partners
Ms. Susan Cronk, Simeon Commercial Properties
Mr. Brian Spiller, Zeneca Inc.

bcc: Mr. Lee Erickson, Zeneca Inc.
Mr. John Edgcomb, Esq.

TEMPORARY SITE CAP INSPECTION FORM
 Campus Bay, Richmond, California

Inspector: C. NARDI / S. NOREEN

Date: 4/19/05

Weather: CLEAR & SUNNY

Work

Activities: FINISHING OFF-HAULING OF SEDIMENT, CAP INSPECTION

Northwest		Northeast	
Description: CRACKING <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CRACKS EXPOSED VISIBLE CINDER WHERE POSSIBLE EROSION & WORSENING EXPOSURE COULD OCCUR THROUGHOUT NW. MARK ID # 1, 2, 3, 5, 8, 9, 10, 11	Description: CRACKING <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No EXPOSED CINDER BY CRACKS MARK ID # 3, 4, 5, 6		
Description: SETTLEMENT <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Description: SETTLEMENT <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Description: SURFACE EROSION <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Description: SURFACE EROSION <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Description: SURFACE DISTURBANCE <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No VEGETATION PROTRUSION ALONG WESTERN EDGE, RUTS CAUSED BY MARK ID # 1, 4, 6, 7 VEHICLES	Description: SURFACE DISTURBANCE <input type="checkbox"/> Yes <input type="checkbox"/> No RUTS CAUSED BY VEHICLES 2, 4 VEGETATION, DAMAGE MARK ID # 1, 2, 3, 10, 9		
Southwest		Southeast	
Description: CRACKING <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CRACK EXPOSING CINDER MARK ID # 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13	Description: CRACKING <input type="checkbox"/> Yes <input type="checkbox"/> No SE EDGE - (ALL), MARK ID # 1		
Description: SETTLEMENT <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Description: SETTLEMENT <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Description: SURFACE EROSION <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Description: SURFACE EROSION <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Description: SURFACE DISTURBANCE <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No VEGETATION & RUTS/DAMAGE MARK ID # 11, 14, 15, 16, 17	Description: SURFACE DISTURBANCE <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - SEDIMENT CONTAINMENT AREA -		

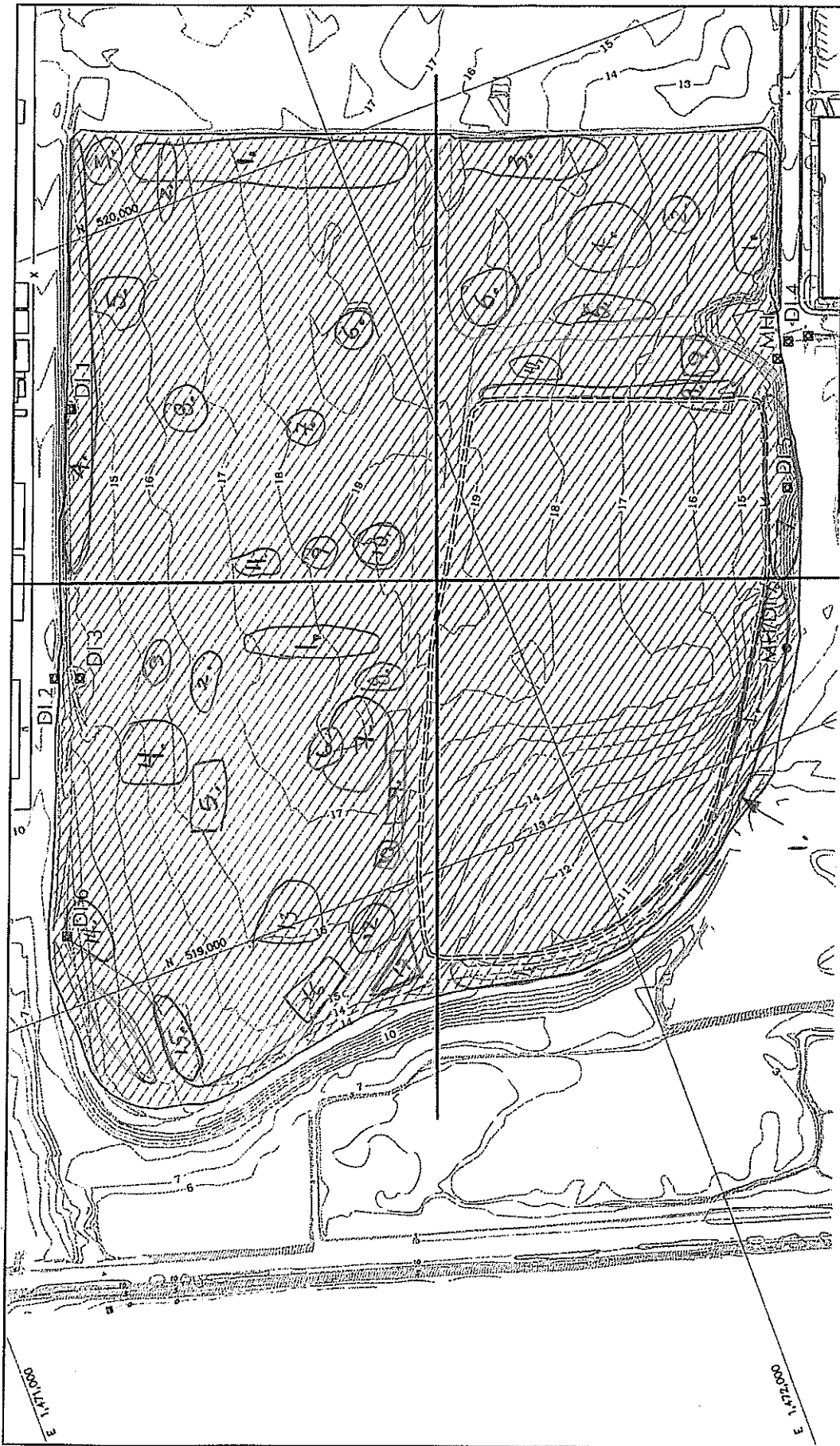
Definitions:

Cracking: Break in cap when mixed cinders are visible and, in the judgment of the inspector, potential exists for erosion via runoff or wind.

Settlement: Area where settlement has caused breaking in the capping material and/or created potential significant ponding.

Surface Erosion: Area where the cap is broken and evidence of mixed cinder erosion via wind or rain is observed.

Surface Disturbance: Area where cap has been compromised due to monitoring, investigation, remediation, or facility management.



Temporary Cap Inspection Plan

Inspector: C. MALDI / S. NOFFEN
 Date: 4/19/05



0 200'
 Scale: 1" = 200 Feet



Note: Please indicate on drawing temporary site cap observations