



July 14, 2006

Project No. 01-114

Mr. Thomas Cota, Chief
Southern California Cleanup Operations Branch – Cypress Office
Attention: Ms. Christine Chiu, Project Manager
Southern California Cleanup Operations Branch, Cypress
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630-4732

Ascon Landfill Site
Emergency Action Completion Report Addendum

Dear Ms. Chiu:

Enclosed please find three copies of the Emergency Action Completion Report Addendum (clarifications to DTSC's questions on the Emergency Action Completion Report that was submitted to DTSC on March 3, 2006) for the Ascon Landfill Site located in Huntington Beach, California. A CD is enclosed with electronic files of the Emergency Action Completion Report dated March 3, 2006, and the Emergency Action Completion Report Addendum dated July 7, 2006.

The enclosed Emergency Action Completion Report Addendum includes the following:

1. Drilling Mud Pockets within the North Berm: Memorandum documenting the location of a pocket of drilling mud left in place in the North Berm upon completion of the Emergency Action at Ascon and documenting that several pockets of drilling mud and construction debris encountered during the grading of the North Berm during the Emergency Action were removed and replaced by soil.
2. Table 5.2-1 (rev. 1--7/7/06) Project Metrics, Ascon Landfill Site Emergency Action: Project metrics from the Emergency Action activities, including a description and documentation on the decontamination water and other soil borrow sources.
3. Table J-1 -- Addendum to Appendix J, Emergency Action Completion Report, submitted to DTSC on March 3, 2006: Tally of the offsite disposal daily truck trips.

Please feel free to call me if you have any questions or comments at (714) 388-1804.

Sincerely,

A handwritten signature in blue ink that reads "Tamara Zeier".

Tamara Zeier, P.E.
Ascon Landfill Site Project Coordinator

Mr. Thomas Cota
July 14, 2006
Page 2 of 2

TZ:tz
Enclosure

cc: Mike Schum, DTSC
Fire Chief Duane Olson, City of Huntington Beach
Fire Marshall Eric Engberg, City of Huntington Beach
Terri Elliot, City of Huntington Beach Public Works Department
Mary Beth Broeren, City of Huntington Beach Planning Department
Bob Beardsley, Director of Huntington Beach Public Works Department
Paul Emery, Assistant City Administrator, City of Huntington Beach
Ascon Responsible Parties
Mary Urashima, Urashima and Associates
Neven Matasovic, GeoSyntec Consultants
Mike Mallett, Waste Management
Matt Jackson, Remedial Construction Services

M E M O R A N D U M

TO: Tamara Zeier, P.E., Project Navigator, LTD
Steve Howe, P.E., Project Navigator, LTD

FROM: Neven Matasovic, Ph.D., P.E., G.E., GeoSyntec Consultants
Jerko Kocijan, GeoSyntec Consultants

DATE: 6 July 2006

SUBJECT: **Drilling Mud Pockets within the North Berm
Ascon Landfill Site
Huntington Beach, California**

INTRODUCTION

This memorandum documents the location and the thickness of a pocket of drilling mud left in place in the North Berm upon completion of the Emergency Action activities at the Ascon Landfill in Huntington Beach, California (the Site). This memorandum also documents that several pockets of drilling mud and construction debris, encountered during construction, were removed and replaced by soil. This memorandum was prepared by Dr. Jerko Kocijan of GeoSyntec Consultants (GeoSyntec) and, in accordance with the peer review policy of the firm, was reviewed by Dr. Neven Matasovic, P.E., G.E., also of GeoSyntec.

BACKGROUND

The Emergency Action work officially began on 26 July 2005 and ended on 10 January 2006. One of the key components of the project was re-grading of the North Berm (the berm along Hamilton Avenue). The re-grading consisted of local flattening of the berm face along the Hamilton Avenue and lowering of a section of the berm.

Drilling Mud Pockets within the North Berm

6 July 2006

Page 2

DRILLING MUD AND DEBRIS POCKETS WITHIN NORTH BERM

During re-grading of the North Berm, pockets of drilling mud and construction debris were found within the berm. In accordance with the site Construction Quality Assurance (CQA) Plan for the Emergency Action Activities, location and extent of each pocket were carefully documented in photographic logs and daily field reports prepared by GeoSyntec CQA personnel. These photographic logs and daily field reports are on file in Project Navigator and GeoSyntec offices, and are an integral part of the Emergency Action Completion Report.

Pockets of the drilling mud and construction debris that were found in the North Berm were removed and replaced with soil. However, at one location (see attached Drawing 1), a pocket of drilling mud was too large (approximately 15 ft by 10 ft) and too deep (approximately 5 ft, as estimated by geotechnical probe) to be entirely removed and replaced. The base of the pocket was at an approximate elevation of 7 ft m.s.l.

The GeoSyntec design engineer, based upon relative location, size, and depth of the drilling mud pocket, assessed its possible impact on the stability of the North Berm and possibility of release of contaminants. Based upon this assessment, partial removal and replacement of the drilling mud above the approximate elevation of 12 ft m.s.l. was recommended and executed. The remaining pocket of drilling mud therefore has a thickness of approximately 5 feet (from 12 ft m.s.l. to approximately 7 ft m.s.l.).

To facilitate soil compaction over drilling mud left in place, four approximately 200 ft long and 13 ft wide mats of bi-axial TensarTM BX1200 geogrid mats (geogrid mats) were installed as follows: two mats overlapping by 1 ft were installed at approximate elevations of 13 ft m.s.l. and another two mats overlapping by 1 ft were installed at approximate elevation of 14 ft m.s.l. The approximate location and extent of these geogrid mats are shown in attached Drawing 1. The geogrid-reinforced soil cover overlying the 5-ft thick drilling mud pocket that was left in place

Drilling Mud Pockets within the North Berm

6 July 2006

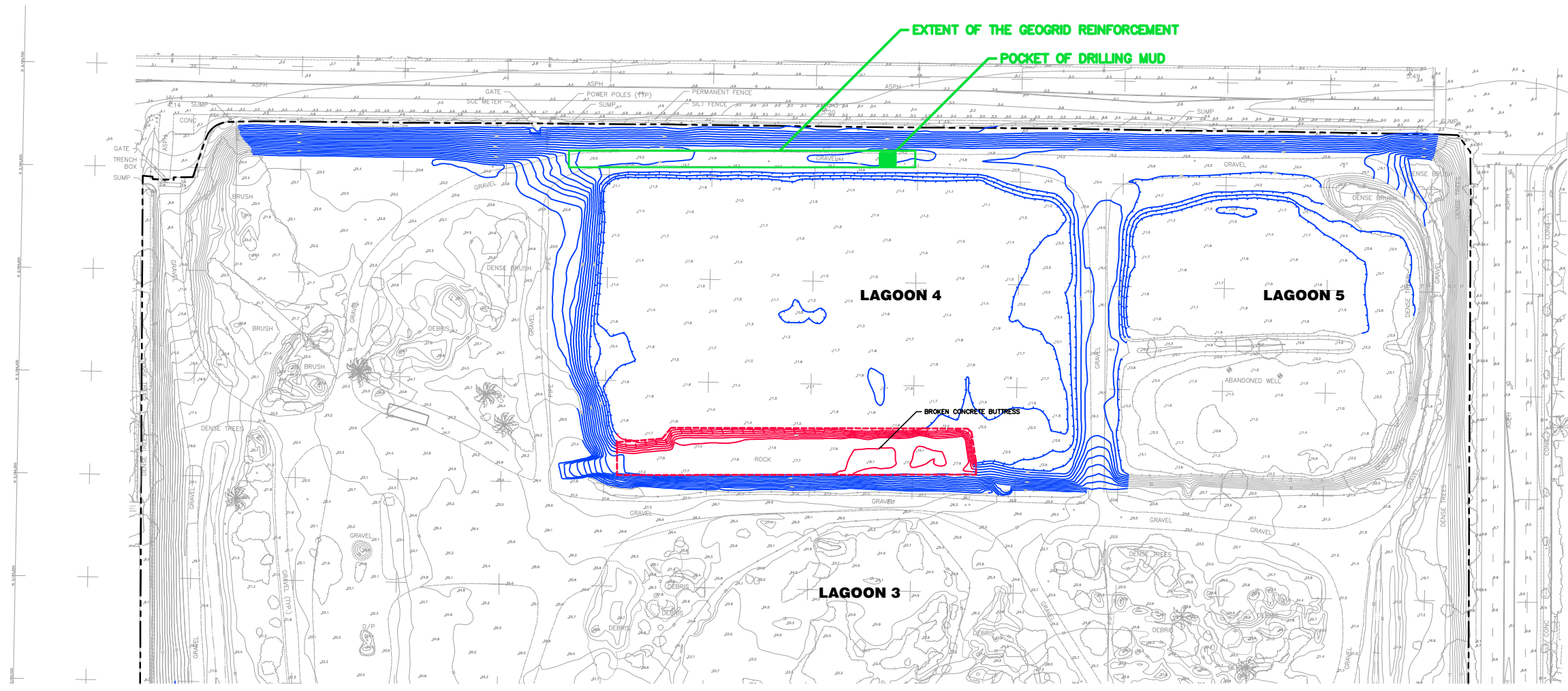
Page 3

and over the approximate 200-ft long central section of crest of the North Berm is approximately 3 ft thick.

CONCLUSIONS

This memorandum documents location and thickness of pockets of drilling mud left in place in the North Berm upon completion of the Emergency Action activities at the Ascon Landfill in Huntington Beach, California. This memorandum also documents that several pockets of drilling mud and construction debris, encountered during grading of the North Berm, were removed and replaced by soil.

* * * * *



LEGEND

	EXISTING TOPOGRAPHY (FEET ABOVE M.S.L.)
	SITE LIMIT ESTABLISHED BY DTSC
	EXTENT OF 16oz NONWOVEN GEOTEXTILE
	AS-BUILT GRADE
	EXTENT OF BROKEN CONCRETE BUTTRESS
	EXTENT OF GEOGRID REINFORCEMENT

NOTE:
1. DIGITAL TOPOGRAPHY BASED UPON AERIAL PHOTOGRAPH OF 26 JANUARY 2006.

GEOSYNTEC CONSULTANTS
 5100 MAIN STREET, SUITE 150
 HUNTINGTON BEACH, CALIFORNIA 92648
 TELEPHONE: (714) 962-0900

PROJECT: ASCON LANDFILL SITE
 8750 HAMILTON AVENUE
 HUNTINGTON BEACH, CALIFORNIA

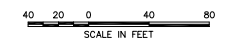
PW# 05-073

TITLE: EMERGENCY ACTION ACTIVITIES GRADING - AS-BUILT
 NORTH BERM AND BERM BETWEEN LAGOONS 3 AND 4

MARK	DATE	REVISION	SLB	THH
Δ	08-09-05	REVISED GRADING, CONSTRUCTION POINTS AND DETAILS	SLB	THH

DATE: FEBRUARY 2006 SCALE: AS SHOWN

DESIGN BY: JK JOB NO.: SB0320-10
 DRAWN BY: SLB FILE NO.: 0320A008
 CHECKED BY: JK DOCUMENT NO.:
 REVIEWED BY: NM DRAWING NO.:
 APPROVED BY: THH 1 of 1



M:\Common\050320\ASCON\05-073\050320.dwg 7/27/06 11:14 AM

Table 5.2-1 (rev. 1--7/7/06)
 Project Metrics
 Ascon Landfill Site Emergency Action

Health and Safety		
1	Work Hours, total	40,000
2	OSHA Recordables	0
3	Lost Time/Lost Work Day Incidents	0
4	First Aid Incidents	6
5	Near Miss Reports	15
6	Spills	0
7	Loss Prevention Observations (LPO)	122
Public		
1	Total Inquiries (including through hotline)	67
2	Odor/Dust Complaints Received (61%)	41
3	Odor/Dust Complaints Received from one household (49% of odor complaints)	20
4	Truck Complaints (6%)	4
5	Other Inquiries (33%)	22
Transportation and Disposal (T&D)		
1	Truck Loads Leaving Site to KHF ⁽¹⁾	2,587
2	Total Truck Miles Driven to/from Site and KHF	1,038,800
3	Approximate Tons Shipped from Site	62,294
4	Average Tons per Day	989
5	Volume of Decontamination Water ⁽²⁾	unknown
Excavation		
1	Approximate Cubic Yards Excavated ⁽³⁾	
	a. Lagoons 4 and 5	32,300
	b. North (Hamilton) Berm	4,600
	c. Drainage Swales	5,000
	d. West Slope	2,200
	e. Other Borrow Sources ⁽⁴⁾	2,500
	<i>Total</i>	46,600
2	Material Density Conversion Factor (ton/cy)	1.34
3	Daily Excavation Rate, Lagoons 4 & 5 (cy)	700
4	Time to Excavate Drilling Mud from Lagoons 4 and 5 (days)	58
Odors and Emissions Control		
1	Rusmar® Foam Applied, gallons (at twice recommended concentration)	4,600
2	EcoCare 250® odor control concentrate (mister), gallons used	110
3	Soil Seal® applied to stockpiles and lagoons, gallons used	3,000
Air Monitoring		
1	Number of SUMMA canister samples (TO-15 VOCs)	774
2	Number of Puff and PM10 samples	19
3	Number of exceedances	5
4	Percentage of samples exceeded	0.65%
5	Stopped work (> 5 ppm with PID at perimeter monitoring station)	3
6	Stopped work (> 1,000 ppm with PID in work area)	3

Notes

KHF - Kettleman Hills Facility

⁽¹⁾ End dump truck loads - Does not include several roll-off bin loads of material from toe drain excavation that were shipped out after the lagoon excavation activities concluded. See Table J-1, Appendix J, for accounting.

⁽²⁾ Decontamination water was ponded in Lagoon 4 and, to a lesser extent, at the asphalt stockpile staging pad to evaporate during decontamination operations (19 October 2005 to 10 January 2006). The heavy equipment used to excavate Lagoon materials was decontaminated, first dry and then wet (steam), within the Lagoon 4 containment prior to removal. The equipment treads were then decontaminated (steam) at the asphalt pad. Surface water ponds to the east on this pad, away from the storm water drainage system. Volume of decontamination water is unknown.

⁽³⁾ Materials from Lagoons 4 and 5 were predominantly drilling muds. Materials from the North Berm, Drainage Swales, West Slope, and from Other Borrow Sources were predominantly soils.

⁽⁴⁾ Other Borrow Sources for mixing soils included surficial soils from south of the drum storage area and soils that had been stockpiled as a result of grading for the asphalt stockpile staging pad.

Table J-1 -- Addendum to Appendix J
 Emergency Action Completion Report, submitted to DTSC on March 3, 2006
 Ascon Landfill Site

Date	Truck Trips Leaving Site (from Appendix J daily activities reporting)	Truck Trips (revised and amended to Emergency Action Completion Report, July 2006)
07/29/05	20	19
08/01/05	20	20
08/02/05	33	33
08/03/05	36	36
08/04/05	44	44
08/05/05	43	43
08/08/05	40	40
08/09/05	43	43
08/10/05	40	40
08/11/05	37	37
08/12/05	42	42
08/15/05	34	34
08/16/05	40	40
08/17/05	42	42
08/18/05	53	53
08/19/05	46	46
08/22/05	51	51
08/23/05	50	50
08/24/05	48	48
08/25/05	47	47
08/26/05	47	47
08/29/05	50	50
08/30/05	58	58
08/31/05	61	61
09/01/05	50	50
09/02/05	40	40
09/06/05	65	65
09/07/05	51	51
09/08/05	51	52
09/09/05	46	46
09/12/05	67	67
09/13/05	71	71
09/14/05	50	50
09/15/05	47	47
09/16/05	52	52
09/19/05	62	62
09/20/05	51	51
09/21/05	55	55
09/22/05	55	55
09/23/05	57	57
09/26/05	63	63
09/27/05	25	25
09/28/05	20	20
09/29/05	20	20

Table J-1 -- Addendum to Appendix J
 Emergency Action Completion Report, submitted to DTSC on March 3, 2006
 Ascon Landfill Site

Date	Truck Trips Leaving Site (from Appendix J daily activities reporting)	Truck Trips (revised and amended to Emergency Action Completion Report, July 2006)
09/30/05	23	23
10/03/05	34	34
10/04/05	29	29
10/05/05	24	24
10/06/05	32	32
10/07/05	34	34
10/10/05	36	36
10/11/05	27	27
10/12/05	26	26
10/13/05	31	31
10/14/05	38	38
10/17/05	37	37
10/18/05	0	0
10/19/05	35	35
10/20/05	52	51
10/21/05	56	56
10/24/05	11	11
10/26/05	1	1
11/03/05	0	1
11/07/05	0	1
11/15/05	20	20
11/16/05	16	17
11/17/05	0	0
Total:	2,585	2,587

Note: This table reflects corrections to the truck trips noted in Appendix J of the Ascon Landfill Site Emergency Action Completion Report, submitted to DTSC on March 3, 2006. The highlighted numbers are the actual truck trips that left the Ascon Landfill Site on the noted day.