

Texas Commission on Environmental Quality
Investigation Report
CITY OF GARLAND
CN600328694

CHARLES M HINTON JR REGIONAL LANDFILL
RN103049490

Investigation # 788725

Incident #

Investigator: JERRELL COOPER

Site Classification

TYPE 1

Conducted: 11/04/2010 -- 11/04/2010

SIC Code: 4953

Program(s): MUNICIPAL SOLID WASTE
DISPOSAL

Investigation Type : Compliance Investigation

Location : 400 ft. NW of intersection of
Princeton Rd. and Yeager Rd. in northeast
Dallas County

Additional ID(s) : 1895A

Address: 3175 ELM GROVE RD;
ROWLETT, TX 75089Activity Type : REGION 04 - DFW METROPLEX
IIICEIMOD - Modified CEI of a landfillPrincipal(s) :

Role	Name
RESPONDENT	CITY OF GARLAND

Contact(s) :

Role	Title	Name	Phone
Participated in Investigation	LANDFIELD SUPERVISOR	JACK NICHOLS	
Participated in Investigation	PROGRAM MANAGER	MS CHI CHI FOLORUNSO	Fax (972) 412-3196 Work (972) 205-3677
Participated in Investigation	ENVIRONMENTAL COMPLIANCE SPECIALIST	DIVYA GARREPALLI	Fax (972) 205-3671 Work (972) 205-3684
Participated in Investigation	ADMINISTRATIVE SUPPORT SUPERVISOR	SUSANA MEDINA	Work (972) 549-3946
Participated in Investigation	MANAGING DIRECTOR OFMR ENVIRONMENTAL WASTE SERVICES	LONNIE R BANKS	Work (972) 205-3424 (972) 205-3434

Other Staff Member(s) :

Role	Name
QA Reviewer	CYNTHIA HACKATHORN
Investigator	ANNETTE GRAVES
Supervisor	ERIN GORMAN
Investigator	JOHN ANDREWS

Associated Check ListChecklist Name

MSW GENERIC OTHER ISSUES OR VIOLATIONS

Unit Name

Charles Hinton Landfill

Investigation Comments :

INTRODUCTION

On 11/04/2009, Mr. Jerrell Cooper (the writer), accompanied by Mr. John Andrews, Texas

INFORMATION COPY

Commission on Environmental Quality (TCEQ) DFW Region Solid Waste Investigators conducted an announced modified compliance evaluation investigation (CEI MOD) at City of Garland Charles Hinton, Jr. Landfill (the facility) located at 3175 Elm Grove Road, Rowlett, Texas (Dallas County), Texas. This investigation was conducted with the City of Garland Environmental Waste Service personnel, Managing Director, Mr. Lonnie Banks, Environmental Compliance Specialist, Ms. Divya R. Garrepalli, and Landfill Supervisor, Mr. Jack Nichols. The facility Program Administrator, Ms. Chichi Obika-Folorunso, and Administrative Support Supervisor, Ms. Susana Medina also participated with this on-site investigation.

During the investigation, an Additional Issue concerning the rules for the management of municipal solid waste was observed and noted.

SURROUNDING LAND USE

Rowlett Community Park is located approximately 200 feet south of Hinton landfill. Residential homes are located 1000 feet North and West of Hinton landfill. There are also residential homes located less than 400 feet east of Hinton landfill.

GENERAL FACILITY PROCESS INFORMATION

City of Garland Charles Hinton landfill (the facility) is a Type I aerial fill municipal solid waste (MSW) landfill with MSW Permit No. 1895A.

The facility is permitted to operate and accept waste 7:00am - 7:00pm Monday through Saturday. The facility is closed on Sundays. The facility is authorized for site operations 5:00am - 9:00pm Monday through Saturday. The facility receives about 1100 tons per day of municipal solid waste.

BACKGROUND

On 09/29/2004, Mr. Michael Delaney, DFW Region Solid Waste Investigator conducted an on-site Type 1 CEI investigation at this facility. At the time of the investigation, Mr. Delaney noted violations of the facility's Site Operating Plan regarding Part IV Section 5.7 Landfill Markers and Benchmark, and Section 2.2.4 Proposed On-site Structures. Mr. Delaney submitted the facility a Notice of Violation letter dated 11/17/2004 (See Investigation #336203 for additional information). Mr. Delaney conducted a Record Review Investigation to review corrective actions correspondence submitted by the facility. A TCEQ General Compliance letter dated 03/02/2005 was submitted to the facility (See Investigation #372410 for additional information).

According to the DFW Region Files, a submitted Alternative Daily Cover status report indicated the facility began using the approved BioCover on 01/29/2009. The status report also has an alternative daily cover effectiveness log status starting from 01/29/2009-04/10/2009 (See Attachment 1).

SUMMARY OF INVESTIGATION

On 11/04/2009, Mr. Cooper and Mr. John Andrews arrived on-site around 6:00am and signed in at the facility's gatehouse for entrance. Mr. Jack Nichols accompanied Mr. Cooper with the initial daily cover inspection. The investigation focused on the facility's management of daily cover, alternative daily cover, run-on/run-off berms, and soil for fire protection at their working face.

The working face was estimated at about 100 feet in width and 100 feet in length. At the time of the investigation, the facility was actively working in Cell 2, KK, LL. It appeared that the application of the ADC was not sufficiently applied over the entire working face. The writer took photographs of the working face (See Attachment 2).

Mr. Lonnie Banks and Ms. Divya Garrepalli arrived and met the investigators near the active working face around 7am. Mr. Cooper addressed with the facility personnel issues regarding the application of the ADC.

The writer observed that the regulated entity had both run-on/run-off soil berms present near the active working face. The writer observed that the regulated entity had a stockpile of approximately 150 cubic yards of available soil that also included the run-on/run-off berms for fire protection. Mr. Banks informed the writer that the facility also have water tanks that holds up to 1500 gallons of

available water.

Review of documents provided, indicated that the regulated entity uses BioCover as ADC. The writer expressed concerns to Mr. Banks regarding the facility's application of the approved ADC at the active working face. According to Appendix IVB-5 of the regulated entity's ADC Site Operating Plan, the BioCover is required to be applied with a minimum ¼ inch thickness (See Attachment 3). The writer informed Mr. Banks that the regulated entity should consider applying the ADC from different angles for an adequate cover.

Review of the facility's daily log indicated that the facility utilized both soil and ADC prior to the on-site investigation. The writer also reviewed a daily inspection sheet from the facility that indicated that the ADC was controlling vectors, fires, odors, and windblown litter (See Attachment 4). At the time of the investigation, the writer observed that migrating birds did not scavenge through the applied BioCover working face (See Attachment 2, Photograph 6).

SUMMARY

At the time of the investigation, the writer observed and noted that the regulated entity had not sufficiently applied ADC throughout the active working face. The writer recommended the regulated entity to apply the ADC from different angles for adequate daily cover coverage of its active working face. A TCEQ General Compliance letter including one additional issue was transmitted to the regulated entity in January 2010.

No Violations Associated to this Investigation

Additional Issues

Description

Other violations noted during the investigation? (If non-compliant then describe violation in the comment section.)

Additional Comments

At the time of the investigation on November 04, 2009, it appeared that the required minimum of a ¼ inch of the alternative daily cover was not sufficiently applied over the entire working face. Mr. Cooper observed a sufficient amount of garbage that was exposed at the active working face. The regulated entity is requested to ensure that a minimum of ¼ inch alternative daily cover is applied throughout the entire working face to meet appropriate compliance with permit requirements.

Signed Jerrell Cooper
Environmental Investigator

Date 1/22/10

Signed Erin Gorman
Supervisor

Date 1/22/10

Attachments: (in order of final report submittal)

- Enforcement Action Request (EAR)
- Letter to Facility (specify type) : Additional Issue
- Investigation Report
- Sample Analysis Results
- Manifests
- NOR
- 3 Maps, Plans, Sketches
- 2 Photographs
- Correspondence from the facility
- Other (specify) :
- 1 - ADC Status Report
- 4 - Daily Inspection Sheet

Bryan W. Shaw, Ph.D., *Chairman*
Buddy Garcia, *Commissioner*
Carlos Rubinstein, *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 25, 2010

Mr. Lonnie Banks, Managing Director
Environmental Waste Services
The City of Garland
Post Office Box 469002
Garland, Texas, 75046

Re: Modified Compliance Evaluation Investigation at:
City of Garland Charles Hinton Landfill, 3175 Elm Road, Garland (Dallas), Texas
MSW Permit # 1895A; Investigation #788725

Dear Mr. Lonnie Banks:

On November 04, 2009, Mr. Jerrell Cooper of the Texas Commission on Environmental Quality (TCEQ) DFW Region Office conducted an investigation of the above-referenced facility to evaluate compliance with applicable requirements for municipal solid waste. No violations are being alleged as a result of the investigation; however, please see the attached Additional Issues.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Mr. Jerrell Cooper in the DFW Region Office at (817) 588-5805.

Sincerely,

A handwritten signature in cursive script that reads "Erin Gorman".

Erin Gorman
Solid Waste Work Leader
DFW Region Office

EG/jc

Enclosures: Summary of Investigation Findings
Obtaining TCEQ Rules

Summary of Investigation Findings

CHARLES M HINTON JR REGIONAL LANDFILL
3175 ELM GROVE RD
ROWLETT, DALLAS COUNTY, TX 75089

Investigation # 788725

Investigation Date: 11/04/2010

Additional ID(s): 1895A

No Violations Associated to this Investigation

ADDITIONAL ISSUES

Description

Other violations noted during the investigation?
(If non-compliant then describe violation in the comment section.)

Additional Comments

At the time of the investigation on November 04, 2009, it appeared that the required minimum of a ¼ inch of the alternative daily cover was not sufficiently applied over the entire working face. Mr. Cooper observed a sufficient amount of garbage that was exposed at the active working face. The regulated entity is requested to ensure that a minimum of ¼ inch alternative daily cover is applied throughout the entire working face to meet appropriate compliance with permit requirements.

TCEQ

Region 4 - DFW Office



Attachment 1

Submitted ADC Status Report

Investigation No. 788725

City of Garland Charles Hinton Landfill

Rowlett, TX (Dallas County)

Date of Investigation: 11/04/2009

City of Garland
P.O. Box 469002
Garland, TX 75046-9002
972-205-2000

GARLAND

RECEIVED

APR 20 2009

WASTE PERMITS DIVISION
TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
LLH

April 17, 2009

Jeff Davis
Texas Commission on Environmental Quality
P. O. Box 13087
Austin, Texas 78711-3087

Re: Status Report on Alternative Daily Cover
City of Garland Hinton – Landfill, MSW Permit No. 1895A
Dallas County, Texas

Dear Mr. Davis:

On January 29, 2009 the Hinton Landfill began using BioCover an approved alternative daily cover material in accordance with Appendix IVB Alternative Daily Cover Plan of the Hinton Landfill Site Operating Plan. The purpose of this letter is to provide a status report on the effectiveness of the approved alternative daily cover material in accordance with Texas Commission on Environmental Quality (TCEQ) Municipal Solid Waste Rules §330.165(d)(2). BioCover when used is inspected upon application for proper coverage thickness. Also it is inspected prior to placement of waste on the following day for effectiveness in controlling vectors, fires, odors, and windblown litter.

This material is meeting and exceeding requirements by providing effective control of vectors, fires, odors, and windblown litter. All field personnel who apply this cover have received training from the manufacturer of this apparatus regarding the proper mixing and application of the product. Attached for your review is an Alternative Daily Cover log that documents the use of BioCover.

Sincerely,

Lonnie R. Banks

Lonnie R Banks
Managing Director
Environmental Waste Services Department
City of Garland

Attachment: Alternative Daily Cover Effectiveness Log

DATE

6-19-09

TS#

12666392

I

L. Banks

AM

Admin.

I

MI



TCEQ

Region 4 - DFW Office



Attachment 2

Photographs

Investigation No. 788725

City of Garland Charles Hinton Landfill

Rowlett, TX (Dallas County)

Date of Investigation: 11/04/2009

Photograph 1: Taken on 11/04/09

Location: Cell 2 KK, LL

Notes: Note visible MSW material exposed. The investigators observed the working face before incoming loads arrived.



Photograph 2: Taken on 11/04/09

Location: Cell 2 KK, LL

Notes: Note visible MSW material exposed. The investigators observed the working face before incoming loads arrived.



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Region 4 – DFW Environmental Investigator – Jerrell Cooper

Signature:

Jerrell Cooper

Investigation Date: November 04, 2009

City of Garland Charles Hinton Landfill
3175 Elm Grove Road
Rowlett, TX
Dallas County

Account No. RN103049490, CN600328694

Photograph 3: Taken on 11/04/09

Location: Cell 2 KK, LL

Notes: Note visible MSW material exposed. The investigators observed the working face before incoming loads arrived. This view is facing down the working face slope.



Photograph 4: Taken on 11/04/09

Location: Cell 2 KK, LL

Notes: Note visible MSW material exposed. The investigators observed the working face before incoming loads arrived. This view is facing down the working face slope.



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Region 4 – DFW Environmental Investigator – Jerrell Cooper

Signature:

Jerrell Cooper

Investigation Date: November 04, 2009

City of Garland Charles Hinton Landfill
3175 Elm Grove Road
Rowlett, TX
Dallas County

Account No. RN103049490, CN600328694

Photograph 5: Taken on 11/04/09

Location: Cell 2 KK, LL

Notes: It appears that the ADC was applied; however MSW material is exposed.



Photograph 6: Taken on 11/04/09

Location: Cell 2 KK, LL

Notes: It appears that the ADC was applied; however MSW material is exposed.

Note that birds was not salvaging through the applied ADC.



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Region 4 – DFW Environmental Investigator – Jerrell Cooper

Signature: *Jerrell Cooper*

Investigation Date: November 04, 2009

City of Garland Charles Hinton Landfill
3175 Elm Grove Road
Rowlett, TX
Dallas County

Account No. RN103049490, CN600328694

TCEQ

Region 4 - DFW Office



Attachment 3

ADC Site Operating Plan

Investigation No. 788725

City of Garland Charles Hinton Landfill

Rowlett, TX (Dallas County)

Date of Investigation: 11/04/2009

CHARLES M. HINTON, JR. LANDFILL
DALLAS COUNTY, TEXAS
TCEQ PERMIT APPLICATION NO. MSW 1895A

PERMIT APPLICATION

PART IV – SITE OPERATING PLAN

APPENDIX IVB

ALTERNATIVE DAILY COVER OPERATING PLAN

Prepared for

City of Garland

June 2005



6/23/05

Prepared by

BIGGS & MATHEWS ENVIRONMENTAL
1700 Robert Road • Mansfield, Texas 76063 • 817-563-1144

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APPENDICES IVB-A Through IVB-N
Alternate Daily Cover Material Information



1 INTRODUCTION (30 TAC §330.133(c))

This Alternative Daily Cover Operating Plan (ADCOP) has been prepared for the Hinton Landfill consistent with §330.133(c). The purpose of this ADCOP is to address the following issues:

- Description and thickness of each ADC material
- Effect of the ADC on vectors, fires, odors, and windblown litter
- Operation methods to be utilized at the site when using the ADC
- Chemical composition of the material and the MSDS(s) for the ADC (if applicable)

In accordance with §330.133(c)(3) and this ADCOP, ADC may be used to cover exposed waste except when the landfill is to be closed for a period of greater than 24 hours.

2 MATERIAL CHARACTERISTICS (30 TAC §330.133(c)(1)(A,B, D and E))

2.1 Description of Materials

The following types of ADC materials may be used at the Hinton Landfill. Other ADC materials by other manufacturers that have similar characteristics may be used at the Hinton Landfill. In accordance with §330.133(c)(1)(A), the proposed ADC materials are as follows:

- Petroleum-Contaminated Soils (PCS). PCS material that has concentrations that comply with TCEQ policy regarding the acceptance of PCS at MSW landfills (included in Appendix IVB-A), or are otherwise authorized by the TCEQ for disposal and use as cover material, may be applied as ADC. Only petroleum-contaminated soils that meet the criteria set forth in Appendix IVB-A will be accepted at the site. The PCS will be applied with a minimum thickness of 6 inches. Clean soil will be combined with the PCS if necessary to achieve the minimum thickness.
- DURASHIELD 12000 – DURASHIELD 12000 is manufactured by THOR Enterprises, Ltd. The tarp is manufactured in approximately 50 feet by 50 feet, 2-layer panels. Additional information is provided in Appendix IVB-B.
- Fabrene. Fabrene industrial synthetic fabric is produced by Fabrene. This material has the strength parameter similar to DURASHEILD 12000. Additional information for Fabrene is provided in Appendix IVB-C.
- Enstar. Enstar 6.5 oz/yd² polyethylene has the strength parameters similar to DURASHIELD 12000. Additional information for Enstar is provided in Appendix IVB-D.
- Quick Cover. Quick Cover is produced by Space Savers, Inc. The material is mixed with water and a guar gum tackifier and applied with a hydromulch machine. Quick Cover has been approved for use at several facilities in Texas. Quick Cover is cellulose fiber mulch manufactured from hand-sorted recycled newsprint that forms a crust-like barrier after application. The hardened product is similar to Posi-Shell or Concover (other TCEQ-approved ADC materials). Additional information on the Quick Cover is provided in Appendix IVB-E.
- Second Nature. Second Nature is produced by Central Fiber Corporation of Wellsville, Kansas, and is similar to the Airtrol plaster (i.e., applied with a hydromulch machine). This material is approved for use as an ADC at several Texas landfills. The material is also approved by the Texas Department of Transportation (TxDOT) for hydroseeding and erosion control. Additional information on the Second Nature product is included in Appendix IVB-F.

- Topcoat. Topcoat is manufactured by Central Fiber Corporation and is sprayed on the working face as a slurry using a hydromulch machine. Technical data on the material, including material characteristics, mixing and application procedures, and recommended application rates are included in Appendix IVB-G.
- Refiber. Refiber is produced by Wood Recycling, Inc., and includes two different ADC materials. The two materials are (1) a wood fiber and paper mulch material and (2) a paper mulch material. Both Refiber materials are mixed with water and a guar gum tackifier and applied with a hydromulch machine. Refiber has been approved for use at several facilities in Texas. Both Refiber mixtures will form a crust-like barrier after application. The hardened product is similar to Posi-Shell or Concover (other TCEQ-approved ADC materials). Additional information is provided in Appendix IVB-H.
- BioCover. BioCover is produced by Profile Products, LLC. BioCover consists of wood fiber, corrugated fiber, and hydro-colloid-based tackifier. BioCover is mixed with water and a guar gum tackifier and applied with a hydromulch machine. BioCover mixtures will form a crust-like barrier after application. The hardened product is similar to Refiber, Posi-Shell or Concover (other TCEQ-approved ADC materials). Additional information is provided in Appendix IVB-I.
- Enviro-Cover, Enviro-Plus, and Enviro-Gro. These products are produced by Southwest Environmental Services. These materials form a crust-like barrier after application. The hardened product is similar to other TCEQ-approved ADC materials. Additional information is provided in Appendix IVB-J.
 - Enviro-Cover consists of recycled paper fibers and wood, polymers, and other proprietary ingredients. Enviro-Cover is mixed with water and applied with a hydromulch machine.
 - Enviro-Plus consists of wood and recycled paper fibers, which is mixed with a guar gum tackifier and applied with a hydromulch machine.
 - Enviro-Gro consists of cellulose wood fiber mulch (recycled newspapers), which is mixed with a guar gum tackifier and applied with a hydromulch machine.
- Fabrisoil – Fabrisoil is an engineered geotextile manufactured by Phillips 66. A specification sheet for the material states that it is deployed in panels. The thickness of the geotextile material is approximately 20 mils. The material characteristics are included in Appendix IVB-K.
- Tarps – Tarps consisting of other materials such as flexible membrane liner panels may be used as ADC. The flexible membrane liner panels will be heat-welded together. The flexible membrane will consist of 60 mil HDPE geomembrane panels that are excess material from liner construction projects. The material characteristics are included in Appendix IVB-L.

- Posi-Shell® Synthetic Cover – Posi-Shell synthetic cover is manufactured by Landfill Service Corporation. Posi-Shell is made entirely of non-flammable, non-toxic recycled materials. Posi-Shell is a combination of: Cementitious Mineral Binder, liquid (water and leachate) and Posi-Pak (a mixture of materials including recycled plastic and cellulose fibers). When applied to a municipal solid waste working face, Posi-Shell forms a barrier to odor and vectors and will control windblown litter and waste. The material safety data sheet, non-flammability report, hydraulic conductivity report, paint filter report and cement kiln dust material safety sheet are included in Appendix IVB-M.
- Tarpomatic. Tarpomatic is an automatic tarping machine. Automatic tarping machines may be employed for placement and removal of ADC tarps. Additional information for Tarpomatic is provided in Appendix IVB-N.

2.2 Chemical Characteristics

In accordance with §330.133(c)(1)(D) the chemical analysis for each proposed ADC material is provided. The liner or tarp materials are manufactured products consisting of polyethylene or polypropylene materials. The ADC materials proposed for use at the new Hinton Landfill are not reactive, ignitable, or corrosive. Material Safety Data Sheets (MSDS) for the various materials are included in Appendices IVB-A through IVB-N.

2.3 Effectiveness

In accordance with §330.133(c)(1)(B), the ADC materials to be used at the Hinton Landfill have proven to be effective on vectors, fires, odors, and windblown litter and waste. The materials identified for use as ADC materials have been used on other facilities operated by the City. Material effectiveness will be included in the status report(s) as required by §330.133(c)(2) and Section 4 of this ADCOP.

3 OPERATIONAL METHODS (30 TAC §330.133(c)(1)(C))

This section discusses the operational procedures that will be used to employ the proposed ADC materials. For each type of ADC, landfill personnel will verify that the waste fill area has been covered with the minimum required thickness at the completion of each working day.

- Petroleum-contaminated soils will be stockpiled near the working face and spread over the working face with a dozer or similar equipment to a minimum 6-inch thickness. Additional clean soil may be added as necessary to meet the required thickness.
- The tarp or ADC liner materials will be deployed as follows:
 - 1) Panels of ADC material will be pulled over the working face. Information is included in Appendix IVB-N for the Tarpomatic tarp deployment equipment.
 - 2) The perimeter of the tarps will be anchored approximately every 20 feet with tires, sandbags, or similar material.
 - 3) The tarps will be removed the following morning and stored in an inactive area.
- The spray synthetic cover will be applied to the working face using a method that complies with the specific recommendations of the spray manufacturer using the following procedure:
 - 1) The operator will familiarize himself with the applicable MSDS.
 - 2) The operator will not operate the machine until qualified personnel have properly trained him.
 - 3) The operator will mix the ingredients into the applicator. The applicator maintains a constant agitation of slurry until ready for application. The material will be applied by spraying from at least two different directions to achieve proper coverage over the exposed waste on the working face. The minimum applied thickness will comply with the manufacturer's recommendations, approximately ¼ inch.
 - 4) The operator will then take the spray applicator to an appropriate place to be washed, cleaned and stored for use the following day.

4 **ADC VERIFICATION AND INSPECTION PROCEDURES** (30 TAC §330.133(c)(2))

At the end of each working day, landfill personnel will inspect the working face to verify that the minimum thickness of an approved ADC has been placed over the exposed wastes in accordance with this ADCOP. Landfill personnel will routinely assess the effectiveness of each ADC in controlling vectors, fires, odors, and windblown waste. A status report will describe the effectiveness of the alternative materials, any problems that may have occurred, and corrective actions required. A report to the executive director will be required at the end of the initial two-month period in accordance with §330.133(c)(2). No additional reporting will be required should the ADC be proven effective with vectors, fires, odors, and windblown litter and waste.

BIOCOVERT™
DAILY LANDFILL COVER

PAGE 2

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS

NONE

HAZARDOUS
POLYMERIZATION

MAY OCCUR?
"WILL NOT OCCUR"

CONDITIONS TO AVOID
"WILL NOT OCCUR"

NONE

HEALTH HAZARDS DATA

ROUTE OF ENTRY:

INHALATION? X

SKIN? X

INGESTION? X

HEALTH HAZARD:

AVOID INHALATION OF ANY DUST, AVOID SKIN CONTACT, PROTECT EYES, AVOID INGESTION AND PROLONGED EXPOSURE.

WARNING: MAY CAUSE DEVELOPMENT OF ALLERGENIC REACTIONS AND CALL A PHYSICIAN

MUTAGENICITY:

NTP?

IARC MONOGRAPHS?

OSHA REGULATED?

"NO"

"NO"

"NO"

SYMPTOMS OF EXPOSURE

IRRITATES SKIN, EYE IRRITATION; BURNING, TEARING, SWELLING.

ADDITIONAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

ALLERGIES, DERMATITIS

EMERGENCY FIRST AID PROCEDURES:

USE WATER TO CLEANSE AREA, EYES FLUSH WITH WATER, CONTACT PHYSICIAN IF ALLERGIC REACTIONS OCCUR WITHIN 0-2 HOURS.

PRECAUTIONS FOR SAFE HANDLING AND USE

AVOID CONTACT WITH EYES, GLOVES FOR HANDS, WEAR CLOTHING TO PREVENT SKIN CONTACT

PRECAUTIONS TO BE TAKEN IN CASE OF SPILL

AVOID SPILLAGE COMPOUND TO MINIMIZE DUST AND SWEEP UP SPILLED DEBRIS, ABSORB SPILLAGE WITH WATER, SWEEP UP / COLLECT; AVOID INHALATION AND / OR INGESTION OF ANY DUST.

DISPOSAL METHOD

NO SPECIAL DISPOSAL METHOD

STANDARD LANDFILL

DISPOSAL ACCORDING TO LOCAL, STATE AND FEDERAL ENVIRONMENTAL REQUIREMENTS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

DISPOSAL REQUIREMENTS EXCEPT FOR CONTAINER DAMAGE

TCEQ

Region 4 - DFW Office



Attachment 4

Cover Application Log & Daily Inspection Sheet

Investigation No. 788725

City of Garland Charles Hinton Landfill

Rowlett, TX (Dallas County)

Date of Investigation: 11/04/2009

City of Garland
Hinton Landfill Permit 1895A
Cover Application Log

Date Cover accomplished: SAT Oct - 31 - 2009

How often to cover	Grid Area	Cover Type (ADC/Soil)	Amount of Soil Used	Cover Thickness (ADC/Soil)	Erosion Areas
Daily	LL - mm 39-40 cell #3	Soil only	56 LOADS	6" soil	Yes
Intermediate cover (Inspected Weekly or 24 hrs. of 0.5 in. rain)					
Final Cover					

Weather: Temperature: 71 °F
Precipitation/Rain: 0 inches

Soil Cover

Scraper Loads (23 Cu. Yds): 0

Dump Truck Loads (20 Cu. Yds): 56 LOADS Soil

Alternative Daily Cover

ADC Loads (Gallons): 0

Was ADC applied from at least two directions? If no explain. Yes No

SAT Cover out with soil only

Benny Combs
On-Site Supervisor Signature

SAT - Oct - 31 - 2009
Date

City of Garland
Hinton Landfill Permit 1895A
Cover Application Log

Date Cover accomplished: Tue Nov-3-2009

How often to cover	Grid Area	Cover Type (ADC/Soil)	Amount of Soil Used	Cover Thickness (ADC/Soil)	Erosion Areas
Daily	KK-LL 39-40 Cell #2	ADC Soil	40 Loads	6" soil	yes
Intermediate cover (Inspected Weekly or 24 hrs. of 0.5 in. rain)					
Final Cover					

Weather: Temperature: 78 °F
Precipitation/Rain: 0 inches

Soil Cover

Scraper Loads (23 Cu. Yds): 0

Dump Truck Loads (20 Cu. Yds): 40 LOADS

Alternative Daily Cover

ADC Loads (Gallons): ONE LOAD 1000 GAL

Was ADC applied from at least two directions? If no explain. Yes No

[Signature]
On-Site Supervisor Signature

Tue Nov-3-2009
Date

Daily Inspection Sheet
Hinton Landfill Permit No. 1895A

Date of Inspection: Tue - Nov - 3 - 2009

Litter Control:

Number of Laborers: 1

Routes Covered: pleasant valley Elm Grove **Time:** 7:00 AM TO 12:00 PM TO 3:00 PM

Windblown Waste On-Site:

Number of Laborers: 4 **Areas Covered:** Slaps with Faces **Time:** 8:00 AM TO 5:00 PM
SPOT TRUCKS

Visual Inspections:

Yes No Parking Area Conditions

Yes No Access Road Condition

Yes No Perimeter Fencing/Gate Conditions

Yes No Insects and Rodents

Comments:

ACCESS ROAD pot holes need
Repair

Remedial Actions: _____

Leachate Level Meter Readings*:

	Sump 1	Sump 2	Sump 3
Panel Reading (inches)	over 36"	70.3	18.9
Meter Reading(Gallons)	784929	734929	409720

Note: * - The actual leachate level in the sump is leachate level meter reading (in) - 24in

Alternative Daily Cover Area Inspection:

Does ADC put in place at the end of previous work day appear to be effective in the following areas? If no explain & report:

Controlling vectors? Yes No

Controlling fires? Yes No

Controlling odors? Yes No

Controlling Wind Blown Litter? Yes No

Comments : _____

Benny Combs
 On-Site Supervisor Signature

Tue - Nov - 3 - 2009
 Date