

JUNE 5, 2025



MUNICIPALITY OF TOA ALTA APRIL 2025
MONTHLY REPORT
Civ. No. 3:21-01087-DRD



NIVIA I. AYALA, PE
TERRATEK ENGINEERING GROUP, PSC
P.O. Box 367445 San Juan, PR 00936

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I. DISTRIBUTION LIST

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II. REPORT ORGANIZATION

As part of the USA-MTA Civ. No. 3:21-01087-DRD Stipulation and Preliminary Injunction Order, MTA shall prepare and submit monthly reports regarding the performance of its obligations under this Order until completion of the requirements of Paragraphs 3 through 10 of this Order. Each report shall cover the period ending on the last day of each month. Each report must be sent to DOJ, EPA, and DNER on or before the 15th day of the month following the reporting period. Each monthly report shall include:

- i. Description of compliance with each requirement of this Order;
- ii. the volume, acreage, and location of the Intermediate Cover that was applied;
- iii. the volume and disposition of leachate and leachate-contaminated stormwater collected;
- iv. results of any sampling analysis performed; and
- v. Notification of any noncompliance with this Order, including a statement describing the noncompliance and its underlying causes, proposed measures, and an implementation schedule to correct it.

The monthly report is divided into four sections.

Section 1 summarizes the order requirements and the compliance status for each requirement. *Please note that Task IDs are unrelated to the paragraphs assigned to the Order.*

Section 2 will include detailed information or supporting documentation regarding the compliance status of each requirement, which needs a comprehensive description or status details.

Section 3 is a list of weekly inspections performed, and

Section 4 is the projection of next month's activities.

Section 5 includes all the attachments to the report.

III. Section 1: SUMMARY: This section provides a concise report overview, highlighting the key compliance status and project updates related to landfill management.

Municipality of Toa Alta Civ. No. 3:21-01087-DRD		
Reporting Period:	April 1 to April 30, 2025	
Reporting Number:	28	
Reporting Official:	Nivia Ayala, PE/TerraTek	
Reporting Date:	06/05/2025	
	Description of Compliance with Each Requirement of the Order	
ID	Requirement	Compliance Status
1	Access	In-Compliance
2	Daily Cover	In Compliance
3	Cessation of Waste Disposal	In-Compliance
4	Posting of Signs	In Compliance
5	Intermediate Cover	The intermediate Cover project started in February 2025 due to weather conditions. After several trials of the mixing protocol plus clear-up of the weather, the intermediate cover activities started, and a total of 4.1 acres are completed.
6	Maintenance of Cover	In-Compliance
7	Slope Stability	In compliance with agreed short-term controls, safety barrier fencing, and H&S program.
8	Leachate Management	
8a	Leachate Management Plan	A new version of the Leachate Management Plan was submitted in the past report to address the modification of the Leachate Interception System Pilot Project Results and the existing PRASA Permit requirements.
8b	Management of Leachate Collected from Landfill	PRASA cleared up the Toa Alta Leachate Disposal at Ponce. 4000 gal remain in the storage tanks.

9	Stormwater Management	
9a	Short Term Controls	In- Compliance
9b	Survey of Leachate Seeps	In-Compliance
9c	Stormwater Management Plan	Revision Submitted
9d	Discharges of Stormwater Not from Pond	N/A
9e	Discharge/Disposal of Pond Liquid	N/A
Additional Requirements		
The volume, acreage, and location of the Intermediate Cover that was applied.		None
The volume and disposition of leachate-contaminated stormwater collected.		None
Results Of Any Sampling Analysis Performed		None
Notification Of Noncompliance		Intermediate cover activities started in February 2025. Up until April 2025, a total of 4.1 acres are covered.

IV. SECTION 2: DETAIL INFORMATION OR SUPPORTING DOCUMENTATION OF EACH REQUIREMENT IN NEED OF COMPREHENSIVE DESCRIPTION OR STATUS DETAILS

A. COMPLETED REQUIREMENTS

Access:

Access is granted to the United States and the Commonwealth of Puerto Rico and their employees, representatives, and contractors to conduct the necessary inspections and studies, including reviewing the applicable record to evaluate existing conditions, following the agreed terms in the Stipulation.



Daily Cover:

Daily Cover at the facility was completed on April 30, 2022. Daily Cover covered all areas of exposed waste.



Cessation of Waste Disposal:

The cessation of waste disposal at the facility was completed by March 30, 2022. However, as agreed in the Stipulation, the temporary storage of construction and demolition (C&D) waste, bulk household waste (durable goods such as mattresses, furniture, and appliances), or yard waste (vegetation waste generated by land maintenance) for final disposal at a different landfill is active and been performed daily.

**Posting of Signs:**

A sign size of four feet by five feet was installed at the landfill entrance. See the attached pictures.



B. Supporting documentation of each requirement in need of comprehensive description or status details

The following is a chronological order of the Municipality's steps to negotiate and acquire the funds to perform the tasks related to implementing the Closure Plan.

CDBG-MIT (HUD):

1. The Municipality of Toa Alta, in its continued effort to receive assistance for obtaining the funds required for the landfill closure, received a letter from the Department of Housing informing the designation of the Community Development Block Grant - Mitigation Program (CDBG-MIT) funds for strategic, transformative, and high-impact projects that will strengthen the island's resilience to future natural disasters by improving critical infrastructure. As part of this analysis, the Toa Alta Solid Waste Management Project was selected as a strategic project that will receive funds from this program to implement landfill closure activities. Based on this designation, the Municipality of Toa Alta has commenced meetings with the Department of Housing to complete all the required documentation required for the final issuance of the award. The Municipality will continue working with the Department of Housing to complete the required processes to receive the grant funds for this vital project.
2. The MTA and PRDOH have held additional meetings and requested information to complete the award issuance of CDBG-MIT funds.

3. The next meeting was scheduled for May 22, 2024.
4. On May 29, 2024, we submitted the final LOERD document for the Toa Alta Landfill Project. We are awaiting HUD approval.
5. The Toa Alta Municipality has started the Environmental Review Process while waiting for the LOERD Approval.
6. The CDBG-MIT program managers met with the Toa Alta Municipality personnel on July 12 and July 26. They support the Municipality with the environmental review process.
7. The Subrecipient Agreement (SRA) between the Puerto Rico Department of Housing and the Municipality of Toa Alta was signed on October 4, 2024.
8. The Municipality of Toa Alta continues preparing the Environmental Review as CDBG-MIT requires.
9. Bi-weekly meetings are held to inform and plan all the activities required by the SRA.
10. A version of the required Site Implementation Plan was prepared, and MTA is evaluating the plan to submit the final copy by December 2, 2024.
11. The Implementation Plan was submitted to CDBG-MIT on December 2, 2024.
12. SHPO and FWS consultations were prepared. FWS consultation required additional corrections, and SHPO is awaiting the archeologist's visit to the site.
13. The Environmental Assessment (NEPA) should be completed by the end of April 2025.
14. The Environmental Assessment (NEPA) was completed on April 30, 2025. However, in order to become a complete document, it shall include Section 106 (SHPO) report.

Department of Natural and Environmental Resources (DNER)

1. A letter dated January 26, 2023, was directed to the MTA Mayor, approving \$1.3M for the planning and design of the closure activities. No disbursement has been received yet.
2. The Municipality designated \$3 Million of their ARPA funds to commence the execution of the required Intermediate Cover tasks.
3. The \$1.3M was reimbursed for planning and design in February 2023.
4. The MTA commenced an RFQ process for a Landfill Contractor to implement the Intermediate in January 2023. Unfortunately, no contractor submitted a proposal for the RFQ.

5. Thus, a new formal drawing was developed to identify the specific project specifications for issuing an RFP that would allow more flexibility for contractors to participate. The MTA prepared a new RFP that was published in May 2023.
6. The MTA had two contractors participate in the RFP process, and it is evaluating the proposals to issue the final determination that would allow the commencement of the work during August 2023.
7. The RFP was awarded to LC Group on August 16, 2023.
8. The Intermediate Cover activities started on August 29, 2023.
9. A meeting with DNER Technical Personnel was held on February 29, 2024, regarding formal comments regarding the Preliminary Closure Report submitted on October 31, 2023. After the DNER evaluation, the following are the discussed comments:
 1. Verify that the Closure Turf Stability Safety Factor is calculated for the North Slope (2.4:1?).
 2. Verify the results of the static and seismic Safety Factors.
 3. Revise and include HELP Assumptions and used factors.
 4. Revise Help Calculation results *227 ft³ or 2.267x10³ ft³
 5. Clarify if the Stormwater Pond capacity calculation was performed using the existing water level or on an empty pond.
 6. Verify profile A' used on Drawing 8.

After several conversations with DNER, we agreed to submit the Final Construction Drawings to DNER by July 31, 2025. The north slope stability continues to be a design concern, and we have evaluated possible solutions with GeoSHED. We are still waiting for their proposal.

ID 5: Intermediate Cover

During the first phase of the intermediate cover project, which took place from August 29, 2023, to February 23, 2024, we successfully covered 5.24 acres of land with 8,264 cubic meters of intermediate cover. Our next phase will cover approximately 4.5 acres, and we have opted to utilize ET Cover material for this purpose. We initiated the soil selection process by utilizing the available Soil Survey Resources and soil samples from Vega Baja. A kick-off meeting was held with the contractor, and an intermediate cover mixture procedure for the second phase of the intermediate cover was prepared and submitted to the contractor. After discussing and trials of the protocol plus clear-up of the weather, the intermediate cover activities started, and a total of 4.1 acres were completed.



C. EPA REVISIONS, REQUESTS, AND VIRTUAL MEETINGS

- On February 22, 2024, a 2-hour discussion of the EPA HELP Model as it pertains to the Toa Alta Landfill was organized by Mr. Carl Plossl. The first hour was a general presentation of the suitability and use of the HELP Model in estimating leachate generation, stormwater flows, and other water flows in and out of Puerto Rico's landfills. The second hour was focused on aspects of the Toa Alta Landfill.
- On February 23, 2024, Mr. Carl Plossl requested a discussion of the Stormwater Management Plan submitted in July 2023. An extensive list of comments was discussed. MTA submitted a revised Plan on February 26, 2024.
- On February 27, 2024, a kmz file containing the second phase intermediate cover information was submitted to Mr. Carl Plossl.
- We thank Mr. Plossl for preparing and Updating the ET Cover Design Elements for the Toa Alta Landfill Intermediate Cover received on January 23, 2024.
- On March 4, 2024, we had a telephone conference call with Mr. Carl Plossl to discuss the Stormwater Management Plan Update. Mr. Plossl, kindly share the documents: Toa Alta Landfill SWPPP prepared in 2021.
 - A drawing showing what USEPA understands as the stormwater offsite release points/areas at the Toa Alta Landfill.

- On April 16, 2024, Mr. Carl Plossl informed us of the following:

Intermediate cover is required under the 1st Stip to be installed at 1 acre/month for the 1st year and then at the rate of 2 acres/month after that. By the end of March 2024, some 24 acres were to be installed. As only 5.24 acres are currently covered, the Municipality of Toa Alta is not compliant. Your reports must reflect this lapse in compliance.

- We presented the following diagram with information on the stormwater flow and sampling point locations.
- We are still waiting for the gravel and small receiving tank to be delivered so that we can construct the leachate interception pilot project.
- EPA requested to be invited to the Project Installation of the Leachate Interception Pilot System and was present during the construction activities, represented by Mr. Eduardo Gonzalez and Ms. Arshley Rey Torres.
- EPA Project Manager Carl Plossl has called several times requesting the monthly reports, which have finally been submitted.
-

V. SECTION 3: WEEKLY INSPECTIONS PERFORMED DURING THE REPORTING PERIOD

TerraTek Engineering Group personnel diligently conducted inspections April 11 and April 25, 2025. Each inspection report is available as Attachment 1 to this report.

SECTION 4: PROJECTION OF NEXT MONTH'S ACTIVITIES

May 2, 2025	Weekly Inspection
Weekly Inspection	May 30, 2025
May 9, 2025	Weekly Inspection
Weekly Inspection	Complete Phase II of the intermediate cover process.
May 16, 2025	Continuing with the HUD CDBG-MIT Environmental Review Process.
Weekly Inspection	
May 23, 2025	

These dates are subject to change.

VI. Section 4: Attachments

Attachment 1: Weekly Inspections

ATTACHMENT 1

Si necesita incluir fotos adicionales

Approval Status

Approved

Nombre de la persona que hace la inspeccion

Christian Villalta Calderón

Email

cristhianvillalta@gmail.com

Fecha

Friday, April 11, 2025

Hora

04:40 PM

Condicion del Clima

other

Esta la entrada limpia y libre de basura?

Si

Foto Entrada



Hay Personal en la caseta de seguridad?

SI



Cuantos vagonetas han salido en la semana que cubre este día de inspección?

10

Datos de eventos de lluvia

Los datos de precipitación son medidos y registrados diariamente y enviados a la administracion del municipio de Toa Alta.

Incluir Foto de los datos del pluviometro



Fecha de la ultima verificacion del sistema de manejo de lixiviados Celda Sur?

Friday, April 11, 2025

Horas de operacion de la planta electrica

8

Estan las areas verdes limpias y se ha realizado mantenimiento?

SI

Estan los diques limpios y sus valvulas cerradas con candado?

SI



Se está aplicando cubierta intermedia en areas cerradas?

Si

Incluir foto



Existen areas de que tengan ya
Cubierta Intermedia que necesiten
mantenimiento

No



Condicion de Cubierta Talud Norte

Excelentes condiciones

Incluir foto

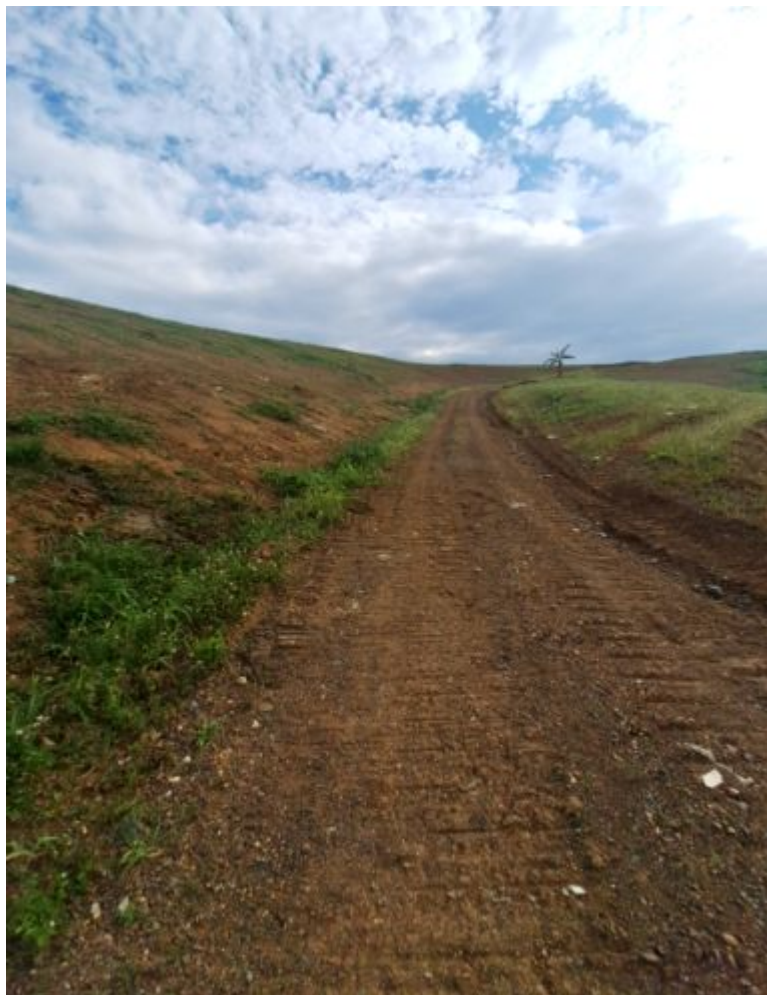


Foto de verja divisora



**Tomar foto de las pendientes y la
vegetacion**



Condicion Operacion Recibo de Escombros

Tomar foto de la estacion de trasbordo

Necesita Limpieza



**Tomar foto de las medidas de control
(bermas, piso, etc.)**



Equipos Operando

Al momento de la inspección no hay equipos operando.

Condicion de medidas de control de erosion y sedimentacion

Buena

Tomar foto de bermas y canales



Se pueden notar brotes de lixiviado?

SI

**Añadir fotos deal area de brotes
visibles**



**Añadir fotos deal area de brotes
visibles**



**Añadir fotos deal area de brotes
visibles**



Condicion de los caminos internos

Excelentes condiciones

Añadir fotos sobre las condiciones del camino perimetral.



Condicion de areas de desvio de materiales, si existe

Area completamente limpia.

Fotos Adicionales



Fotos Adicionales



Favor verificar que ha inspeccionado todas estas areas y/o condiciones.

Entrada

Pluviometro

Registro de Entrada y Salida

Area de Traslado

Aplicacion de Cubierta Intermedia

Mantenimiento de Cubierta Intermedia

Canales de Escorrentia

Brotos de Lixiviados

Caminos Internos

Equipos de Control de Erosion y Sedimentacion

Area de Almacenamiento de Vegetativo

Proxima Inspeccion Programada

04/18/2025

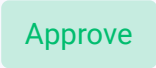
Necesitas compartir alguna informacion con nosotros?

[https://www.jotform.com/widget-
uploads/voiceRecorder/222905932455863/67f9838e2d1a9_](https://www.jotform.com/widget/uploads/voiceRecorder/222905932455863/67f9838e2d1a9_)

Signature



Approval Activity History

Actor	Actions	Date
 Notification	Email sent. (jorodriguez@ciudadtoaalta.com) cristhianvillalta@gmail.com,jorodriguez@ciudadtoaalta.com,nayala@terratekpr.com,riviere@terratekpr.com	Friday, April 11, 2025
 Nivia Ayala nayala@terratekpr.com		Thursday, April 17, 2025
 Notification	Email sent. (Your request has been approved.) cristhianvillalta@gmail.com	Thursday, April 17, 2025

Si necesita incluir fotos adicionales

Approval Status

Approved

Nombre de la persona que hace la inspeccion

Christian Villalta Calderón

Email

cristhianvillalta@gmail.com

Fecha

Friday, April 25, 2025

Hora

01:42 PM

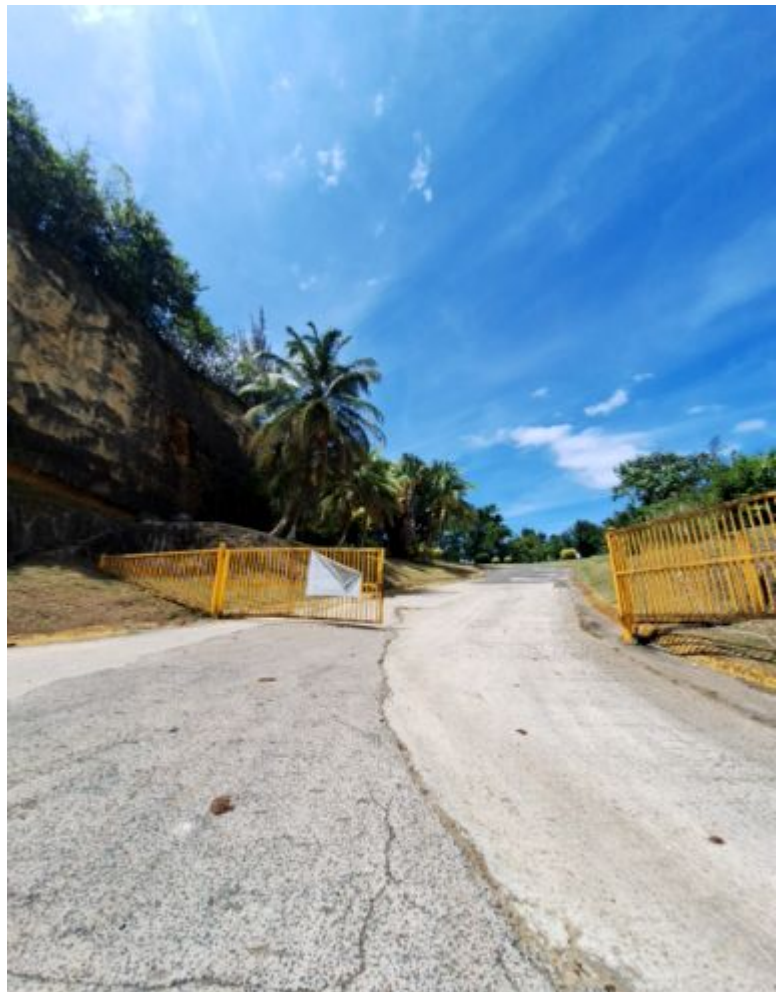
Condicion del Clima

Soleado

Esta la entrada limpia y libre de basura?

Si

Foto Entrada



Hay Personal en la caseta de seguridad?

SI



Cuantos vagonetas han salido en la semana que cubre este día de inspección?

10

Datos de eventos de lluvia

Los datos de precipitación son registrados diariamente y enviados a la administracion del municipio de Toa Alta.

Incluir Foto de los datos del pluviometro



Fecha de la ultima verificacion del sistema de manejo de lixiviados Celda Sur?

Friday, April 25, 2025

Horas de operacion de la planta electrica

8

Estan las areas verdes limpias y se ha realizado mantenimiento?

SI

Estan los diques limpios y sus valvulas cerradas con candado?

SI





Foto de verja divisora



**Tomar foto de las pendientes y la
vegetacion**



Condicion Operacion Recibo de Escombros

Necesita Limpieza

Tomar foto de la estacion de trasbordo



**Tomar foto de las medidas de control
(bermas, piso, etc.)**



Equipos Operando

Al momento de la inspección una retroexcavadora.

Condicion de medidas de control de erosion y sedimentacion

Necesita Mantenimiento (Incluir Foto)

Tomar foto de bermas y canales



Se pueden notar brotes de lixiviado?

SI

**Añadir fotos deal area de brotes
visibles**



Condicion de los caminos internos

Excelentes condiciones

Añadir fotos sobre las condiciones del camino perimetral.



Condicion de areas de desvio de materiales, si existe

Area completamente limpia.

Fotos Adicionales



Favor verificar que ha inspeccionado todas estas areas y/o condiciones.

Entrada	Pluviometro
Registro de Entrada y Salida	
Area de Trasbordo	
Aplicacion de Cubierta Intermedia	
Mantenimiento de Cubierta Intermedia	
Canales de Escorrentia	Brotes de Lixiviados
Caminos Internos	
Equipos de Control de Erosion y Sedimentacion	
Area de Almacenamiento de Vegetativo	

Proxima Inspeccion Programada

05/02/2025

Signature



Approval Activity History

Actor	Actions	Date
 Notification	Email sent. (jorodriguez@ciudadtoaalta.com) cristhianvillalta@gmail.com,jorodriguez@ciudadtoaalta.com,nayala@terratekpr.com,riviere@terratekpr.com	Friday, April 25, 2025
 Nivia Ayala nayala@terratekpr.com	Approve	Tuesday, May 27, 2025
 Notification	Email sent. (Your request has been approved.) cristhianvillalta@gmail.com	Tuesday, May 27, 2025