

FEBRUARY 14, 2024



Top Deck Intermediate Cover

January 23, 2024

MUNICIPALITY OF TOA ALTA JANUARY 2024
MONTHLY REPORT
Civ. No. 3:21-01087-DRD



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

Contents

I.	DISTRIBUTION LIST	1
II.	REPORT ORGANIZATION	1
III.	Section 1: SUMMARY	2
IV.	SECTION 2: DETAIL INFORMATION OR SUPPORTING DOCUMENTATION OF EACH REQUIREMENT IN NEED OF COMPREHENSIVE DESCRIPTION OR STATUS DETAILS	3
	A. COMPLETED REQUIREMENTS	3
	B. Supporting documentation of each requirement in need of comprehensive description or status details.....	6
	1. ID 6: Intermediate Cover	6
	1a. ID 6: Intermediate Cover.....	8
V.	SECTION 3: WEEKLY INSPECTIONS PERFORMED DURING THE REPORTING PERIOD	8
VI.	SECTION 4: PROJECTION OF NEXT MONTH'S ACTIVITIES	8
VII.	Section 4: Attachments.....	9



I. DISTRIBUTION LIST

DOJ: david.l.gordon@usdoj.gov

EPA: spielmann.lee@epa.gov

plossl.carl@epa.gov

gonzalez.eduardo@epa.gov

DNER: nildasanchez@drna.pr.gov

mariavrodriguez@drna.pr.gov

MTA: carmelovazquez@drna.pr.gov

carlos@cwlllegal.com

dbattle@cstlawpr.com

jramirez@amrclaw.com

cagosto674@gmail.com

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 the noncompliance.

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 not related to the Order assigned paragraphs.*

Section 2 will include detailed information or supporting documentation regarding the compliance status of each requirement needing 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

Municipality of Toa Alta Civ. No. 3:21-01087-DRD		
Reporting Period:	January 01 to January 31, 2024	
Reporting Number:	16	
Reporting Official:	Nivia Ayala, PE/TerraTek	
Reporting Date:	02/14/2024	
Description of Compliance with Each Requirement of the Order		
ID	Requirement	Compliance Status
2	Access	In-Compliance
3	Daily Cover	In Compliance
4	Cessation of Waste Disposal	In-Compliance
5	Posting of Signs	In Compliance
6	Intermediate Cover	In-Compliance Intermediate Cover activities for the initial 5.4 cuerdas started on August 29, 2023, with the areas identified by the surveyor. As of January 31, 2024, 5730 cubic meters had been applied as intermediate cover at the facility. Vegetation removal was performed by phases in order to avoid exposure of the bare ground to the stormwater. The project is 90% completed and shall be completed during the following two weeks.
7	Maintenance of Cover	In-Compliance
8	Slope Stability	In compliance with agreed short-term controls, safety barrier fencing, and H&S program.
9	Leachate Management	
9a	Leachate Management Plan	A formal Leachate Management Plan was submitted with the Preliminary Closure Plan on October 31, 2023.

9b	Management of Leachate Collected from Landfill	Still waiting for the permit renewal approval.
10	Stormwater Management	
10a	Short Term Controls	In- Compliance
10 b	Survey of Leachate Seeps	In-Compliance
10c	Stormwater Management Plan	In-Compliance
10d	Discharges of Stormwater Not from Pond	N/A
10e	Discharge/Disposal of Pond Liquid	N/A
Additional Requirements		
The volume, acreage, and location of the Intermediate Cover that was applied.		During the month of January 2024, approximately 1910 cubic meters of intermediate cover were applied to 1.5 acres. A total of 4.75 acres (90%) have been covered.
The volume and disposition of leachate-contaminated stormwater collected.		None
Results Of Any Sampling Analysis Performed		None
Notification Of Noncompliance		None

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.



Safety Barrier Fencing

Completed on April 28, 2023. Picture taken on November 03, 2023



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

1. ID 6: Intermediate Cover

The following is a chronological order of the Municipality performed steps to negotiate and acquire the funds to perform this task:

Rural Development:

1. On May 18, 2020, the Municipality submitted a Notice of Intent to Rural Development requesting the award of funds under the Disaster Mitigation Assistance Grant for the Landfill.
2. On September 4, 2020, the Municipality amended its request to include the landfill closure, post-closure activities, and expansion.
3. On August 16, 2021, the Municipality received a Rural Development email confirming all the documents for the appropriate Disaster Mitigation Assistance Grant for the Landfill were completed.
4. On August 22, 2022, the Municipality held a Public Hearing about the requested grant funds.

5. USDA Rural Grant Program, MTA submitted a final Environmental Assessment to Quiles, Danna - RD, San Juan, PR <danna.quiles@usda.gov>; Cabrera, Jose - RD, San Juan, PR <Jose.Cabrera@usda.gov>; Davila, Sandimary - RD, San Juan, PR <Sandimary.Davila@usda.gov>; Gonzalez, Melvin - RD, SAN JUAN, PR <Melvin.Gonzalez@usda.gov>. The document was submitted on September 30, 2022.
6. As of today, the Rural Development process is still ongoing but has not yet been completed.
7. 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 be receiving funds from this program to implement the landfill closure activities. Based on this designation, the Municipality of Toa Alta has commenced the meetings with the Department of Housing in order 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 in order to receive the grant funds for this important project.

Department of Natural and Environmental Resources (DNER)

1. A letter dated January 26, 2023, was directed to the MTA Mayor approving \$1.3M for planning and design of the closure activities. No disbursement has been received at this moment.
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 in January 2023 an RFQ process for a Landfill Contractor to implement the Intermediate. Unfortunately, no contractor submitted a proposal for the RFQ.
5. Thus, a new formal drawing was developed to identify the specific project specifications to issue an RFP purpose 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.

1a. ID 6: Intermediate Cover

The tasks of applying intermediate cover started on August 29, 2023.

- i. As of January 31, 2024, approximately 1910 cubic meters of intermediate cover were applied to 1.5 acres. A total of 4.75 acres have been covered, the project is 90% completed and shall be completed during the following two weeks.

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

Inspections were performed by TerraTek Engineering Group personnel on the following days:

January 03, 2024

January 19, 2024, and

January 12, 2024

January 26, 2024

VI. SECTION 4: PROJECTION OF NEXT MONTH'S ACTIVITIES

February 2, 2024

Weekly Inspection

February 9, 2024

Weekly Inspection

February 16, 2024

Weekly Inspection

February, 2024

Weekly Inspection

Finish Phase I of the Intermediate Cover Activities.

Follow-up PRASA regarding Discharge Permit Application.

Follow up DNER for Closure Plan Evaluation and Approval

Submit the project status report to the OGP (Puerto Rico's Office of Management and Budget).

Next Monthly Report is due by March 15, 2024.

These dates are subject to change.

VII. Section 4: Attachments

Attachment 1: Weekly Inspections

ATTACHMENT 1

Christian Villalta Calderón

cristhianvillalta@gmail.com

Submission Date Jan 3, 2024 3:04 PM

Nombre de la persona que hace la inspeccion Christian Villalta Calderón

Email cristhianvillalta@gmail.com

Fecha Jan 3, 2024

Hora 02:57 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 camiones han llegado en el dia? **6**

Fecha de la ultima verificacion del sistema de manejo de lixiviados Celda Sur? **Jan 3, 2024**

Horas de operacion de la planta electrica **8**

Datos de eventos de lluvia **No hay datos de lluvia registrados. No hay pluviometro instalado en el landfill.**

Estan las areas verdes limpias y se ha realizado mantenimiento? **SI**

Incluir Foto



Estan los diques limpios y sus valvulas cerradas con candado? **SI**

Condicion de Cubierta Talud Norte **Excelentes condiciones**

Incluir foto



Take Photo



Take Photo



Condicion Operacion Recibo de Escombros

Necesita Limpieza

Tomar foto



Equipos Operando

Una retroexcavadora y un bulldozer.

Condicion de medidas de control de erosion y sedimentacion

Buena

Se pueden notar brotes de lixiviado?

NO

Condicion de los caminos internos

Excelentes condiciones

Condicion de areas de desvio de materiales

Area completamente limpia.

Signature



Fotos Adicionales



Christian Villalta Calderón

cristhianvillalta@gmail.com

Submission Date Jan 12, 2024 3:44 PM

Nombre de la persona que hace la inspeccion Christian Villalta Calderón

Email cristhianvillalta@gmail.com

Fecha Jan 12, 2024

Hora 03:37 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 camiones han llegado en el dia? **8**

Fecha de la ultima verificacion del sistema de manejo de lixiviados Celda Sur? **Jan 12, 2024**

Horas de operacion de la planta electrica **8**

Datos de eventos de lluvia **No hay datos de lluvia registrados. No hay instrumento instalado.**

Estan las areas verdes limpias y se ha realizado mantenimiento? **SI**

Incluir Foto



Estan los diques limpios y sus valvulas cerradas con candado? **SI**

Condicion de Cubierta Talud Norte **Excelentes condiciones**

Incluir foto



Take Photo



Take Photo



Condicion Operacion Recibo de Escombros

Buena

Tomar foto



Equipos Operando

En el talud Norte, 3 vagonetas!

Condicion de medidas de control de erosion y sedimentacion

Buena

Se pueden notar brotes de lixiviado?

SI

Añadir fotos deal area de brotes visibles



Condicion de los caminos internos

Excelentes condiciones

Condicion de areas de desvio de materiales

Area completamente limpia.

Signature

Fotos Adicionales



Christian Villalta Calderón

cristhianvillalta@gmail.com

Submission Date Jan 19, 2024 2:24 PM

Nombre de la persona que hace la inspeccion Christian Villalta Calderón

Email cristhianvillalta@gmail.com

Fecha Jan 19, 2024

Hora 02:15 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 camiones han llegado en el dia? **8**

Fecha de la ultima verificacion del sistema de manejo de lixiviados Celda Sur? **Jan 19, 2024**

Horas de operacion de la planta electrica **8**

Datos de eventos de lluvia **No hay datos de lluvia reportados. No se cuenta con instrumento de medición.**

Estan las areas verdes limpias y se ha realizado mantenimiento? **SI**

Incluir Foto



Estan los diques limpios y sus valvulas cerradas con candado? **SI**

Condicion de Cubierta Talud Norte **Excelentes condiciones**

Incluir foto



Condicion Operacion Recibo de Escombros

Necesita Limpieza

Tomar foto



Equipos Operando

Ninguno al momento de la inspeccion.

Condicion de medidas de control de erosion y sedimentacion

Buena

Se pueden notar brotes de lixiviado?

NO

Condicion de los caminos internos

Excelentes condiciones

Condicion de areas de desvio de materiales

Area completamente limpia.

Signature



Christian Villalta Calderón

cristhianvillalta@gmail.com

Submission Date Jan 26, 2024 3:36 PM

Nombre de la persona que hace la inspeccion Christian Villalta Calderón

Email cristhianvillalta@gmail.com

Fecha Jan 26, 2024

Hora 03:30 PM

Condicion del Clima **Nublado**

Esta la entrada limpia y libre de basura? Si

Foto Entrada



Hay Personal en la caseta de seguridad? **SI**

Cuantos camiones han llegado en el dia? **8**

Fecha de la ultima verificacion del sistema de manejo de lixiviados Celda Sur? **Jan 26, 2024**

Horas de operacion de la planta electrica **8**

Datos de eventos de lluvia **No hay datos registrados.**

Estan las areas verdes limpias y se ha realizado mantenimiento? **SI**

Incluir Foto



Estan los diques limpios y sus valvulas cerradas con candado? **SI**

Condicion de Cubierta Talud Norte **Excelentes condiciones**

Incluir foto



Take Photo



Take Photo



Condicion Operacion Recibo de Escombros

Necesita Limpieza

Tomar foto



Equipos Operando

Ninguno al momento de la inspeccion.

Condicion de medidas de control de erosion y sedimentacion

Buena

Se pueden notar brotes de lixiviado?

SI

Añadir fotos deal area de brotes visibles



Condicion de los caminos internos

Excelentes condiciones

Condicion de areas de desvio de materiales

Area completamente limpia.

Signature

A handwritten signature in blue ink, written in a cursive style. The signature is somewhat stylized and difficult to read, but it appears to be a name. It is written on a white background.