



Submittal Review Response

Project Name: Hilo WWTP Rehabilitation and Replacement Project Phase 1
Submittal No.: 01150-003.0
Date: 5/30/2025

Client: County of Hawai'i Carollo Project No.: 203975
Contractor: Nan, Inc.
Submittal Name: DustControlManagementPlan
Reviewed By: Gavin Goo

SUBMITTAL REVIEW

Review is for general compliance with contract documents. No responsibility is assumed by Carollo for correctness of quantities, dimensions, and details. No deviation or variation is approved unless specifically addressed in these review comments. Refer to Section 01330 for additional requirements. The Contractor shall assume full responsibility for coordination with all other trades and deviations from contract requirements.

Approved	<input type="checkbox"/>	No Exceptions
	<input type="checkbox"/>	Make Corrections Noted - See Comments
	<input checked="" type="checkbox"/>	Make Corrections Noted - Confirm
Not Approved	<input type="checkbox"/>	Correct and Resubmit
	<input type="checkbox"/>	Rejected - See Remarks
Receipt Acknowledged	<input type="checkbox"/>	Filed for Record
	<input type="checkbox"/>	With Comments - Resubmit


Review Comments:

1. Dust control during demolition not addressed.
2. Plan does not include an example of the stated daily monitoring and inspection report.

CONTRACTOR SUBMITTAL TRANSMITTAL FORM

Owner:	County of Hawaii	Date:	5/28/2025
Contractor:	Nan, Inc.	Project No.:	WW-4705R
Project Name:	Hilo WWTP Phase 1	Submittal Number:	01150-003.0
Submittal Title:	Dust Control Management Plan		
To:	Engineer		
From:	Nan Inc.		

Specification No. and Subject of Submittal / Equipment Supplier			
Spec #:	01150	Subject:	Dust Control Management Plan
Authored By:	Makoa Ng	Date Submitted:	5/28/2025

Submittal Certification	
Check Either (A) or (B):	
<input checked="" type="checkbox"/> (A)	We have verified that the equipment or material contained in this submittal meets all the requirements specified in the project manual or shown on the contract drawings with no exceptions.
<input type="checkbox"/> (B)	We have verified that the equipment or material contained in this submittal meets all the requirements specified in the project manual or shown on the contract drawings except for the deviations listed.
Certification Statement: By this submittal, I hereby represent that I have determined and verified all field measurements, field construction criteria, materials, dimensions, catalog numbers and similar data, and I have checked and coordinated each item with other applicable approved shop drawings and all Contract requirements.	
General Contractor's Reviewer's Signature: 	
Printed Name and Title: Makoa Ng, QC Engineer	
In the event, Contractor believes the Submittal response does or will cause a change to the requirements of the Contract, Contractor shall immediately give written notice stating that Contractor considers the response to be a Change Order.	
Firm:	Signature: Date Returned:

PM/CM Office Use
Date Received GC to PM/CM:
Date Received PM/CM to Reviewer:
Date Received Reviewer to PM/CM:
Date Sent PM/CM to GC:

Nan, Inc

PROJECT: HILO WWTP REHABILITATION
AND REPLACEMENT PROJECT - PHASE 1

JOB NO. WW-4705R

THIS SUBMITTAL HAS BEEN CHECKED BY
THIS CONTRACTOR. IT IS CERTIFIED
CORRECT, COMPLETE, AND IN
COMPLIANCE WITH CONTRACT
DRAWINGS AND SPECIFICATIONS. ALL
AFFECTED CONTRACTORS AND
SUPPLIERS ARE AWARE OF, AND WILL
INTEGRATE THIS SUBMITTAL (UPON
APPROVAL) INTO THEIR OWN WORK.

DATE RECEIVED	05/28/2025
SPECIFICATION SECTION #	01150
SPECIFICATION	2.01
PARAGRAPH	A,B,C,D
DRAWING	N/A
SUBCONTRACTOR	N/A
SUPPLIER	N/A
MANUFACTURER	N/A

CERTIFIED BY: _____ Makoa Ng

SECTION 01150

MITIGATION AND MONITORING REQUIREMENTS

PART 1 GENERAL

1.01 SUMMARY

- A. Section includes: Mitigation and monitoring requirements relating to environmental impacts.

1.02 SUBMITTALS

- A. General: Submit data as specified in Section 01330 - Submittal Procedures.
- ✓ B. Dust control management plan.
- C. Qualifications of wildlife biologist performing Hawaiian geese surveys.

PART 2 MITIGATION AND MONITORING REQUIREMENTS FOR ENVIRONMENTAL IMPACTS

2.01 AIR QUALITY

- ✓ A. Contractor's dust control activities shall comply with the provisions of Hawaii Administrative Rules, § 11-60.1-33 on Fugitive Dust.
- ✓ B. Contractor shall develop and implement a dust control management plan that identifies and mitigates all activities that may generate airborne, visible fugitive dust. The plan shall include, but is not limited, to the following requirements.
 - ✓ 1. All exposed surfaces such as parking area, staging areas, soil piles, graded areas, and unpaved access roads, shall be watered 2 times per day.
 - ✓ 2. All haul trucks transporting soil or other loose material off site shall be covered.
 - ✓ 3. All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day.
 - a. The use of dry power sweeping is prohibited.
 - ✓ 4. All vehicle speeds on unpaved roads shall be limited to 15 miles per hour.
 - ✓ 5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible after grading unless seeding or soil binders are used.
 - ✓ 6. Idling times shall be minimized either by shutting equipment off when not in use or by limiting the maximum idling time to 5 minutes. Clear signage shall be provided for construction workers at all access points.
 - ✓ 7. Construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications.
 - a. Equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
 - ✓ 8. A publicly visible sign shall be posted with the telephone number and person to contact at the County regarding dust complaints.

- ✓ C. Contractor shall adhere to all air quality standards. Contractor shall obtain any required air pollution control permits from the DOH Clean Air Branch and comply with all applicable conditions and requirements.
- ✓ D. Prevent dust nuisance caused by operations, unpaved roads, excavation, backfilling, demolition, or other activities. Whenever visual observation of dust is detected by the Contractor or Engineer outside the property boundary, a dust problem is considered to exist. The Contractor shall take immediate action to alleviate this problem.

2.02 BIOLOGICAL RESOURCES

- A. Contractor shall understand that there is a possibility that animals may be present within the construction area. Intentional disturbance of animals present in the construction area is prohibited.
- B. Contractor shall follow the current Biosecurity Protocol for Hawaii Island established in the PEP-Environmental Compliance Memorandum No. 20-5 issued by the Office of Environmental Policy and Compliance and Office of Native Hawaiian Relations.
- C. Contractor shall not disturb, remove, or trim any woody plants greater than 15 feet tall during the period from June 1 through September 15.
- D. Contractor shall not use any barbed wire.
- E. Contractor shall not perform any nighttime construction activities during the period from September 15 through December 15.
- F. All night-time lighting shall be pointed, adjusted, and shielded to ensure no light escapes in an upward direction or off site.
- G. If Hawaiian geese are found to be located on or near to the project site, the Contractor shall comply with the following:
 - 1. Project personnel shall not approach, feed, or disturb the Hawaiian geese.
 - 2. If Hawaiian geese are observed loafing or foraging within the project area during the breeding season (September through April):
 - a. Contractor shall cease all work immediately.
 - b. Contractor shall provide a biologist familiar with Hawaiian geese nesting behavior to survey for nests in and around the project area prior to the resumption of any work. The biologist shall repeat surveys after any subsequent delay of work of 3 or more days.
 - 3. If a nest is discovered within a radius of 150 feet of the construction site or a previously undiscovered nest is found within the 150-foot radius after work begins, all work shall cease immediately. The Contractor shall contact the Owner for further guidance.
 - 4. In areas where Hawaiian geese are known to be present, reduced speed limits will be posted by the Owner and enforced. Contractor will be informed of the presence of federally listed species on-site.

2.03 CULTURAL RESOURCES

- A. Contractor shall cease all construction related activities immediately and notify the Engineer upon any cultural resource discoveries, such as walls, platforms, pavements and mounds, or remains such as artifacts, burials, and concentrations of shell or charcoal or artifacts. The Owner would then contact the State Historic Preservation Division who will assess the significance of the find and provide appropriate mitigation measures necessary to implement prior to approval for Contractor to proceed with any construction related activities.

2.04 HAZARDS AND HAZARDOUS MATERIALS

- A. As specified in Section 01354 - Hazardous Material Procedures.

2.05 NOISE

- A. Comply with noise and work hours regulations by local jurisdiction.
- B. In or near inhabited areas, particularly residential, perform operations in manner to minimize noise.
- C. In residential areas, take special measures to suppress noise during night hours.
- D. Contractor shall comply with noise control and mitigation requirements of the Hawaii State Department of Health Administrative Rules, Title 11, Chapter 46 "Community Noise Control" regulations.

PART 3 EXECUTION (NOT USED)

END OF SECTION

Dust Control Management Plan

JOB NUMBER WW-4705R

**HILO WASTEWATER TREATMENT PLANT (WWTP)
REHABILITATION AND REPLACEMENT PROJECT PHASE**

1

DATE
PREPARED:
May 21, 2025

SUBMITTED
BY: NAN, INC.
161 Silva St.
Hilo, HI
96720

PHONE: (808) 842-4929

1. Purpose

This Dust Control Management Plan describes the procedures and best management practices (BMPs) to be implemented to control and minimize fugitive dust emissions during construction activities at the project site, in accordance with project specifications and Hawaii Administrative Rules §11-60.1-33.

A. References

1. Fugitive Dust Fact Sheet DOH CAB (2019)
2. HAR §11-60.1-33

2. Project Scope

The project involves the construction and rehabilitation of the Hilo wastewater treatment facilities. Dust-generating activities are anticipated during excavation, grading, vehicle travel on unpaved surfaces, backfilling, saw cutting, demolition, and the handling of stockpiled materials.

3. Dust-Generating Activities & Areas

Any source generating fugitive dust emissions from, but not limited to, the following activities shall be subject to dust control requirements:

- ❖ Mass excavation and grading operations
- ❖ Construction vehicle traffic on unpaved haul roads
- ❖ Uncovered stockpiles of soil, sand, or other fine materials
- ❖ Saw cutting or grinding of pavement and concrete
- ❖ Material handling (loading/unloading)
- ❖ Demolition

4. Dust Control Measures

All dust control measures listed below shall be implemented to prevent the release of fugitive dust beyond the property boundaries:

- ❖ Watering at least twice daily on exposed surfaces.
- ❖ Stockpile Control: Watering, covering, or binding.
- ❖ Truck Tarping: All haul trucks must be tarped.
- ❖ Stabilized Entrance/Exit: Gravel pad or similar method.
- ❖ Vehicle Speed Limits: Max 15 mph on unpaved surfaces.
- ❖ Street Sweeping: Vacuum-type, no dry sweeping.
- ❖ Saw Cutting: Use water-assisted equipment.
- ❖ Equipment Idling: Limit to 5 minutes max.
- ❖ Material Drop Heights: Minimize as feasible.

- dust control during demolition not addressed

5. Dust Monitoring & Inspection

A designated worker will monitor daily for Dust Control for each feature of work that has a dust generating activity. The designated worker will submit reports to the Contractor's Quality Control Department at the end of each work day.

- Sample dust monitoring and inspection report to QC not included

6. Contingency Measures

If the monitor determines that current dust control measures are insufficient, they will immediately notify the Project Manager and take the following actions:

- ❖ Increase watering during high winds or visible dust.
- ❖ Pause activities if BMPs are insufficient.
- ❖ Erect wind fencing or misters

7. Training & Public Notification

Weekly toolbox talks and new-hire orientations will include dust control topics to ensure general awareness and understanding among all project personnel. In addition, weather resistant public complaint signage will be clearly posted near the property line, displaying at a minimum the Project Manager's contact information.

8. Documentation & Recordkeeping

The Quality Control Department will maintain logs and reports as part of the daily CQC Report package. These records will be reviewed and archived electronically, with printed copies available to the County upon request.