



January 17, 2025

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Ms. Barbara L. Queen
Planning, Design & Construction
CALIFORNIA STATE UNIVERSITY, LOS ANGELES (CSULA)
5151 State University Dr.
Los Angeles, CA 90032

Re: Bacteriological Water Sampling
California State University, Los Angeles (CSULA)
5151 State University Dr.
Los Angeles, CA 90032

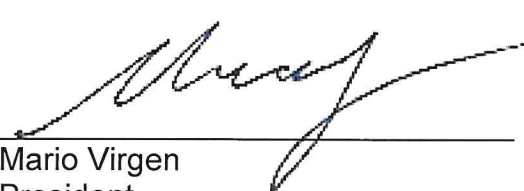
GETC Project No. E225-011

Dear Ms. Queen:

Global Environmental Training & Consulting, Inc. (GETC) was retained by California State University, Los Angeles (CSULA) to perform Bacteriological Water Sampling to determine the presence of Coliforms/E. Coli throughout the drinking water system at the above referenced property. Following is the Summary of the Inspection findings and recommendations for this project.

Thank you for choosing GETC as the consultant for this project. If you have any questions, or if we can be of service again in the future, please do not hesitate to contact our office at (626) 962-4436.

Respectfully submitted,
Global Environmental Training & Consulting, Inc.



Mario Virgen
President

Enclosures

TABLE OF CONTENTS

SECTION	PAGE
1.0 EXECUTIVE SUMMARY	
1.1 General Information	1
1.2 Tasks & Testing Tables	1
2.0 INTRODUCTION	
2.1 Authorization	3
2.2 Purpose	3
2.3 Scope of Services	3
3.0 METHODOLOGY	
3.1 Microbiological Sampling	4
3.2 Sampling Procedures and Analysis	4-5
3.3 Report Format	5
4.0 FINDINGS AND RECOMMENDATIONS	
4.1 General Summary of Inspection Findings	6
4.2 Recommendations	6
5.0 WARRANTY	6

APPENDICES

- A. Sampling Logs
- B. Laboratory – Analytical Reports

1.0 EXECUTIVE SUMMARY

1.1 GENERAL INFORMATION

Global Environmental Training & Consulting, Inc. (GETC) was retained by California State University, Los Angeles (CSULA) to conduct Bacteriological Water Sampling to determine the Presence of Coliforms/E. Coli throughout the drinking water system.

1.2 TASKS & SAMPLING TABLES

GETC performed Bacteriological Water Sampling that included the following tasks:

- 1) Bacteriological Water Sampling – Coliforms/E. Coli

BACTERIOLOGICAL WATER SAMPLING TABLE

Sample No	Location	Coliforms	E. Coli
01	South Campus Main Feed Water	ABSENT	ABSENT
01-30	South Campus Main Feed 30 Second Draw	ABSENT	ABSENT
02	North Campus Main Feed Water	ABSENT	ABSENT
02-30	North Campus Main Feed 30 Second Draw	ABSENT	ABSENT
03	Exterior Fine Arts Building Area	ABSENT	ABSENT
03-30	Exterior Fine Arts Building Area 30 Second Draw	ABSENT	ABSENT

2.0 INTRODUCTION

This report presents the findings of the Bacteriological Water Sampling for the Presence of Coliforms/E. Coli performed at California State University, Los Angeles (CSULA) located at 5151 State University Dr., in Los Angeles, California.

2.1 Authorization

Authorization to perform the Bacteriological Water Sampling was given by California State University, Los Angeles (CSULA).

2.2 Purpose

The purpose of the Bacteriological Water Sampling was to identify any Presence of Coliforms/E. Coli that could cause any adverse health effects to personnel, students, and visitors.

2.3 Scope of Services

GETC's services for this Bacteriological Water Sampling was comprised of the following task:

1. Bacteriological Water Sampling – Coliforms/E. Coli

Details on the methods used for the tasks listed in the scope of work are given in Section 3.0 Methodology.

3.0 METHODOLOGY

This section includes the description of the methodologies used to perform Water Sampling. These methodologies include Biological Water Sampling for the Presence of Coliforms/E. Coli Sampling and Analysis.

3.1 Coliforms/E. Coli Water Sampling

- Collect water samples from the drinking water supply line and submit for analysis for Presence of Coliforms/E. Coli.

3.2 Sampling Procedures and Analysis

Sampling Procedure

Following the walkthrough, the inspector collected a total of Six (6) Water Samples from Three (3) Sources identified by CSULA Personnel throughout and analyzed for Presence of Coliforms/E. Coli. The water samples were incubated for 24 hours.

EPA guidelines were used to determine the sampling protocol. Sampling locations were chosen to be representative of the unit.

The samples were numbered and shipped to a laboratory accredited under the American Industrial Hygiene Association (AIHA) and Environmental Microbiology Proficiency Analytical Testing Program (EMPAT).

Chain-of-Custody Procedures

Chain-of-Custody documents possession of the samples from the time they are collected until they have been analyzed. Custody documentation must be followed whenever materials are received, collected, transferred, stored, analyzed, or destroyed.

The original Chain-of-Custody is to accompany the materials at all times. Custody documentation will begin at the time a sample is collected. Each transferor should retain a copy of the Chain-of-Custody record.

Laboratory Quality Control Program

Pasteur Laboratory maintains an in-house quality control program. This program involves reanalysis of a minimum of ten percent of all samples, precision and accuracy controls, use of standard bulk reference materials, maintenance of national and state accreditation, participation in external and internal proficiency testing programs, and confirmation of analyst experience and qualifications in compliance with specific internal training and competency requirements. Additionally all quality assurance/quality control and operational procedures are documented in manual form and retained on site as reference materials for all analytical staff.

3.3 Report Format

This report has been organized in a manner that represents the data in several forms to best suit the needs of the building owner. The "Executive Summary" provides a description of the facility and analytical results for each water sample. The "Findings" describe the analytical results and provides recommendations. The "Materials Spreadsheets", Appendix A, contains detailed information on the locations of the areas sampled. The "Analytical Report", Appendix B, is a listing of samples taken and their Coliform/E. Coli content.

4.0 FINDINGS AND RECOMMENDATIONS

4.1 General Summary

Results for the Bacteriological Water Sampling performed on January 14, 2024, are as follows: Laboratory results concluded that Coliforms and E. Coli were not present for all Six (6) Water Samples.

The locations of these samples are given in Appendix A to this report. Complete sampling and analysis of Coliform/E. Coli are given in Appendix B.

4.2 Recommendations

Global Environmental Training & Consulting, Inc. (GETC) has no recommendations at this time since all samples were absent from Coliform/E. Coli.

5.0 WARRANTY

The field and laboratory results reported herein are considered sufficient in detail and scope to determine the presence of Coliforms/E. Coli in California State University, Los Angeles (CSULA). Global Environmental Training & Consulting, Inc. warrants that the findings contained herein have been prepared in general accordance with accepted professional practices at the time of its preparation as applied by similar professionals in the community. Changes in the state of the art or in applicable regulations cannot be anticipated and have not been addressed in this report.

The survey and analytical methods have been used to provide the client with information regarding the presence of Coliforms and E. Coli at the time of inspection. Test results are valid only for the areas tested. There is a distinct possibility that conditions may exist which could not be identified within the scope of the study or which were not apparent during the site visit.

No other warranties are implied or expressed.

APPENDIX

A

SAMPLING LOGS

158 N. Glendora Ave., Suite S (2nd floor)
Glendora, CA 91741
Tel: (626) 963-8686
E-mail: microbiology99@aol.com

100

CONTACT INFORMATION

PROJECT INFORMATION

Sample ID	Sample Location	Sample Type	TAT (Above)	Flow Rate	Time	Total Volume
01	South Campus Main feed	Water				
01-30	South Campus Main feed 30 seats					
02	North Campus Main feed					
02-30	North Campus Main feed 30 seats draw					
03	Exterior fine arts building main					
03-30	Exterior fine arts building main 30 seats draw					

[illegible]

SAMPLE TYPE CODES		RELINQUISHED BY	DATE	REC'D
AP - Andersen Plate	CP - Contact Plate	<i>[Signature]</i>	4/25	
Z - Zefon Air-O-Cell	All - AllergencoD			
T - Tape	S - Swab			
M2 - Allegro M2	BL - Bulk			
M2 - Multimold Cassette				

[illegible]

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APPENDIX

B

ANALYTICAL REPORTS

Coliform with *E. coli* Test*



Pasteur Laboratory

158 N. Glendora Ave., Suite S

Glendora, CA 91741

Tel: (626) 963-8686

E-mail: microbiology99@aol.com

1/15/2025

Mario Virgen/Miguel Virgen Global Environmental Training & Consulting 1520 W. Cameron Ave., Suite 103, West Covina, CA 91790 Tel: 626-962-4436 Fax: 626-962-4437 E-mail: staff@globalenvirotraining.com Client's Project: Cal State University - Water Testing E225-011			Lab Reference No.: 00028-25-0053 Date Collected: January 14, 2025 Date Received: January 14, 2025 Date Analyzed: January 15, 2025 Samples Analyzed: 6	
Lab Sample ID Client Sample ID	Sample Location	Sample Description	Coliforms	Bacterial Growth <i>E. coli</i>
12463 01	South campus main feed water	Water	Absent	Absent
12464 01-30	South campus main feed 30 sec draw	Water	Absent	Absent
12465 02	North campus main feed	Water	Absent	Absent
12466 02-30	North campus main feed 30 sec draw	Water	Absent	Absent
12467 3	Exterior fine arts building area	Water	Absent	Absent
12468 03-30	Exterior fine arts building area 30 sec draw	Water	Absent	Absent

* Results are reported as presence or absence of coliforms and *Escherichia coli* (*E.coli*) based on Coliscan test. Coliforms are Gram negative rod shaped bacteria belong to Enterobacteriaceae family. *E. coli* is a fecal coliform commonly found in the human intestinal tract and is a specific indicator bacteria for sewage spills. Non-fecal coliforms are widely distributed in nature and are free living in soil, water, and plants. The laboratory and its personnel shall not be held liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. This report relates only to samples submitted and analyzed.

Sample(s) were analyzed by: P. Chakravarty, Ph.D., Environmental Microbiologist,
 American Soc. Microbiologist Member ID 56341613

P. Chakravarty