

Asbestos Survey Report

I-49 Connector (Lafayette)

SPN: 455-01-0034H.003453, Parcel ADV-57, Boat Shed
Louisiana Department of Transportation and Development
Lafayette, Lafayette Parish, Louisiana

November 23, 2016

Terracon Project No. EH167282



Prepared for:

Louisiana Department of Transportation and Development
Baton Rouge, Louisiana

Prepared by:

Terracon Consultants, Inc.
Baton Rouge, Louisiana

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials



November 23, 2016

Louisiana Department of Transportation and Development
1201 Capitol Access Road, Room 506 C
Baton Rouge, Louisiana 70802

Attn: Ms. Kimberly Foreman

Re: SPN: 455-01-0034/H.003453
I-49 Connector (Lafayette)
Asbestos Survey
Parcel ADV-57, Boat Shed
Lafayette, Lafayette Parish, Louisiana
Terracon Project No. EH167282

Dear Ms. Foreman:

The purpose of this report is to present the results of an asbestos survey performed on November 11, 2016, at the above referenced structure in Lafayette, Lafayette Parish, Louisiana. This survey was conducted in accordance with the Task Order, October 21, 2016, between Terracon and Louisiana Department of Transportation and Development (LDOTD). We understand this survey was requested due to the planned demolition of the structure as part of the I-49 Connector construction project in Lafayette Parish.

No suspect asbestos-containing materials (ACM) were identified; therefore no samples were collected during the survey. Please refer to the attached report for details.

Terracon appreciates the opportunity to provide this service to LDOTD. If you have any questions regarding this report, please contact the undersigned at 225-344-6052.

Sincerely,

Terracon


Phillip M. Bellan
Senior Staff Industrial Hygienist

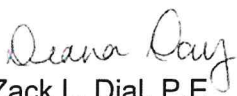
 For
Zack L. Dial, P.E.
Senior Engineer

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EXECUTIVE SUMMARY – SPN: H.0034533, PARCEL ADV-57, Boat Shed

Terracon Consultants, Inc. (Terracon) conducted an asbestos survey of the boat shed structure located on Parcel ADV-57 in Lafayette, Lafayette Parish, Louisiana. The property address is 205 2nd Street in Lafayette, Louisiana and Terracon understands the Louisiana Department of Transportation and Development (LDOTD) is the property owner. It is our understanding that LDOTD is planning to demolish the structure as part of the I-49 Connector construction project in Lafayette Parish. The purpose of this survey was to identify and sample suspect asbestos-containing materials (ACM) and provide information regarding the identity, location, condition and approximate quantities of ACM in building components.

The survey was conducted on November 11, 2016, by Mr. Phillip M. Bellan, a Louisiana Department of Environmental Quality (LDEQ) certified asbestos inspector, in general accordance with the sampling protocols established in Environmental Protection Agency (EPA) 40 Code of Federal Regulations (CFR) 763. No suspect ACM were identified during the survey; therefore, no samples were collected.

Please refer to the attached report for details.

ASBESTOS SURVEY REPORT

**I-49 Connector (Lafayette)
SPN: H.3453, Parcel ADV-57, Boat Shed
Lafayette, Lafayette Parish, Louisiana**

Terracon Project No. EH167282

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted an asbestos survey of the boat shed structure located on Parcel ADV-57 in Lafayette, Lafayette Parish, Louisiana. The survey was conducted on November 11, 2016 by Mr. Phillip M. Bellan; a LDEQ certified asbestos inspector, in accordance with the Task Order dated October 21, 2016, between Terracon and LDOTD. Interior and exterior building components were surveyed and homogeneous areas of suspect asbestos-containing materials (ACM) were visually identified and documented. Suspect ACM samples were collected in general accordance with the sampling protocols outlined in EPA regulation 40 CFR 763 (Asbestos Hazard Emergency Response Act, AHERA). Samples were delivered to an accredited laboratory for analysis by polarized light microscopy.

1.1 Project Objective

We understand this asbestos survey was requested due to the planned demolition of the structure. EPA regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP) and Louisiana Environmental Regulatory Code (ERC) Title 33, Part III, Section 5151, prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities. The EPA NESHAP and LDEQ regulations requires that potentially regulated asbestos-containing building materials be identified, classified and quantified prior to planned disturbances or demolition activities.

2.0 BUILDING DESCRIPTION

The structure is a stand-alone one-story, wood-frame boat shed on wooden posts with an earthen floor and unknown construction date. The exterior consists of approximately two feet of metal paneling and is housed under a metal roof. No electrical, plumbing, or mechanical systems were observed.

3.0 FIELD ACTIVITIES

The survey was conducted by Mr. Phillip M. Bellan, a LDEQ certified asbestos inspector. A copy of Mr. Bellan's asbestos inspector certificate is attached in Appendix C. The survey was conducted in general accordance with the sample collection protocols established in EPA

regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA). A summary of survey activities is provided below.

3.1 Visual Assessment

Our survey activities began with visual observation of the interior and exterior of the building to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color and texture with consideration given to the date of application. Interior and exterior assessment was conducted throughout visually accessible areas of the building. Building materials identified as concrete, glass, wood, masonry, metal or rubber were not considered suspect ACM.

3.2 Physical Assessment

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the EPA as a material which can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

3.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with AHERA sampling protocols. Random samples of suspect materials were collected in each homogeneous area. Sample team members collected bulk samples using wet methods as applicable to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

No suspect ACM were identified during the survey; therefore, no samples were collected.

3.4 Sample Analysis

Because no suspect ACM were identified during the survey, laboratory analyses were not required.

4.0 REGULATORY OVERVIEW

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. The asbestos NESHAP regulation also requires the identification and classification of existing ACM according to friability prior to demolition or renovation activity. Under NESHAP, ACM is identified as either friable, Category I non-friable or Category II non-friable ACM. Friable ACM is a material containing more than 1% asbestos that,

when dry, can be crumbled, pulverized or reduced to powder by hand pressure. All friable ACM is considered regulated asbestos containing material (RACM).

RACM includes all friable ACM, along with Category I and Category II non-friable ACM that has become friable, will be or has been subjected to sanding, grinding, cutting or abrading, or ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder in the course of renovation or demolition activity.

Category I non-friable ACM are exclusively asbestos-containing packings, gaskets, resilient floor coverings, resilient floor covering mastics and asphalt roofing products that contain more than 1% asbestos. Category II non-friable ACM are all other non-friable materials other than Category I non-friable ACM that contain more than 1% asbestos. Category II non-friable ACM generally includes but is not limited to cementitious material such as: cement pipes, cement siding, cement panels, glazing, mortar and grouts.

The State of Louisiana has established Chapter 27 of the ERC (LAC 33:III.Chapter 27) to regulate the identification, management, and abatement of ACM in schools and state buildings. Chapter 27 requires any asbestos-related activity in a school or state building to be performed by an individual or company accredited by the State of Louisiana, through the LDEQ. An asbestos-related activity consists of the disturbance (whether intentional or unintentional) or abatement of ACM, the performance of asbestos surveys, the development of management plans and response actions, asbestos project design, the collection or analysis of asbestos samples, monitoring for airborne asbestos or any other activity required to be accredited under Louisiana Department of Environmental Quality Chapter 27 Appendix A.

In non-state, non-school buildings, the State of Louisiana sets forth emission standards for asbestos under Chapter 51 of the ERC (LAC 33:III.Chapter 51). Per Chapter 51 Section P, the following activities, when conducted, must be performed by accredited individuals: asbestos surveys, asbestos abatement, and monitoring for airborne asbestos.

Under Chapter 51, Section F, RACM must be removed prior to renovation or demolition activities that will disturb the materials. LDEQ requires a 10-working day notification (Form AAC-2) of any demolition activity, regardless of whether the building contains asbestos, and any renovation activity which disturbs RACM. In addition, LDEQ requires a 3-working day notification prior to the start of the removal of resilient floor covering by using dry ice, heat, wet methods, and chemicals where the tiles or sheeting are removed intact or asbestos-containing mastic removed by chemical or other means that results in the waste material being bound within a macro substrate and cannot reasonably become airborne. Any individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Louisiana Licensing Board for Contractors to perform asbestos abatement.

The United States Occupational Safety and Health Administration (USOSHA) asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The USOSHA standard requires that employee exposure to airborne asbestos must not exceed 0.1 fibers per cubic centimeter of air (0.1 f/cc) as an eight hour time weighted average (TWA) and not exceed 1.0 fibers per cubic centimeter of air (1.0 f/cc) over a 30 minute time period known as an excursion limit (EL). The TWA and EL are known as USOSHA's asbestos permissible exposure limits (PELs). The USOSHA standard classifies construction and maintenance activities which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work.

5.0 FINDINGS AND RECOMMENDATIONS

No suspect ACM were identified during this survey.

It should be noted that suspect materials, other than those identified during this survey may exist within the structure. Should suspect materials other than those which were identified during this survey be uncovered during the demolition process, those materials should be assumed asbestos-containing until sampling and analysis can confirm or deny their asbestos content.

The Louisiana Air Quality Regulations (LAC 33:III.Chapter 51, Subchapter M) requires that an inspection be conducted by a person currently accredited as an LDEQ asbestos inspector prior to any demolition activities. LDEQ requires written notification (Form AAC-2) a minimum of 10-working days prior to any demolition activity, regardless of whether the building contains asbestos. As results of this survey indicated the structure does not contain ACM, the sections of the AAC-2 must be completed for a Negative Declaration as noted by asterisks* on the form and submitted to the State.

6.0 GENERAL COMMENTS

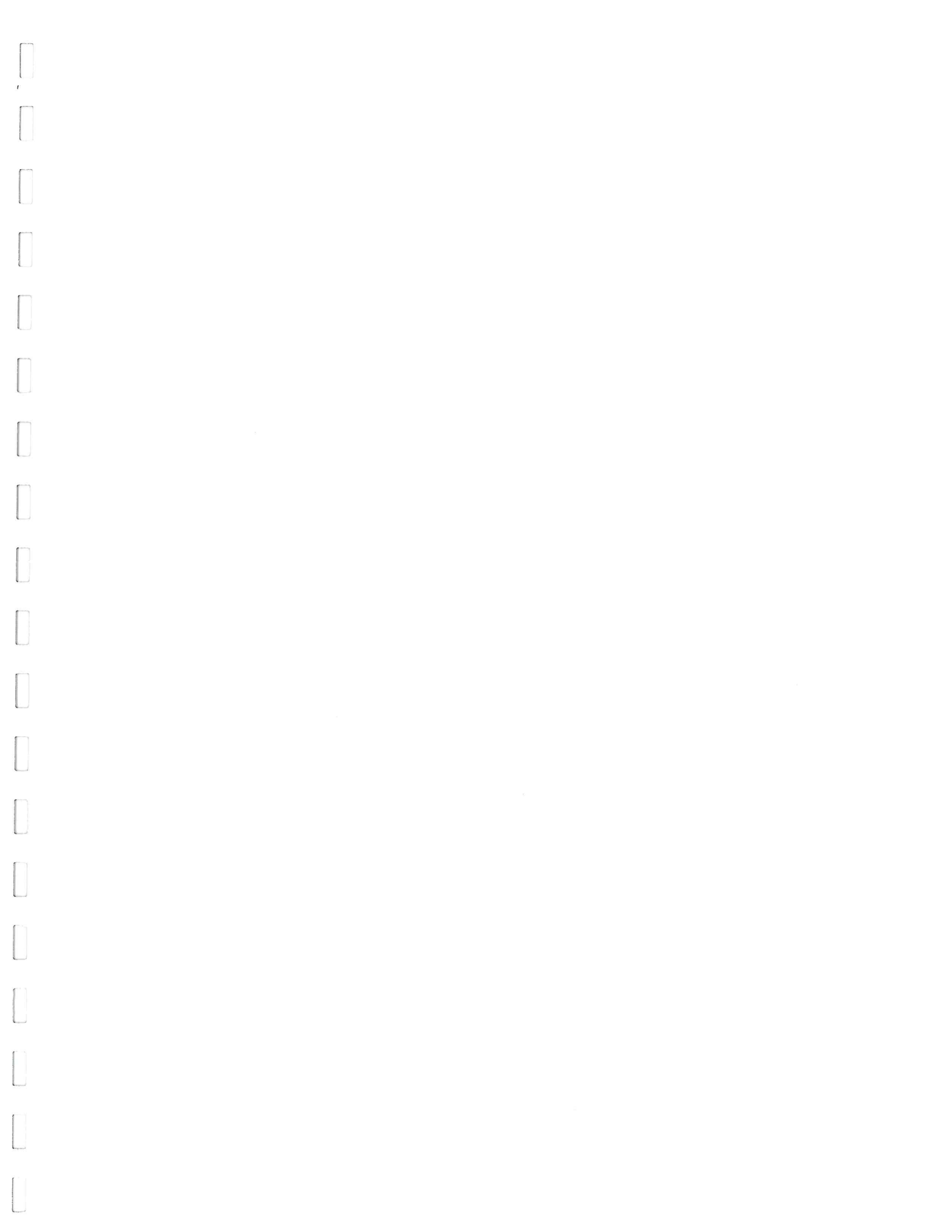
This asbestos survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this survey was performed, and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by the Louisiana Department of Transportation and Development for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, expressed or implied is made.



APPENDIX A

ASBESTOS SURVEY SAMPLE SUMMARY
Route I-49
SPN: H.003453, Parcel ADV-57, Boat Shed
Lafayette, Lafayette Parish, Louisiana
Terracon Project No. EH167282

HA	Sample No.	Description	Sample Location
No suspect ACM were identified during the survey.			



APPENDIX B
CERTIFICATIONS

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Phillip Bellan

Has complied with all requirements of the Louisiana Department of Environmental Quality
and is authorized to perform the duties of

ASBESTOS INSPECTOR

Accreditation No. 71187169

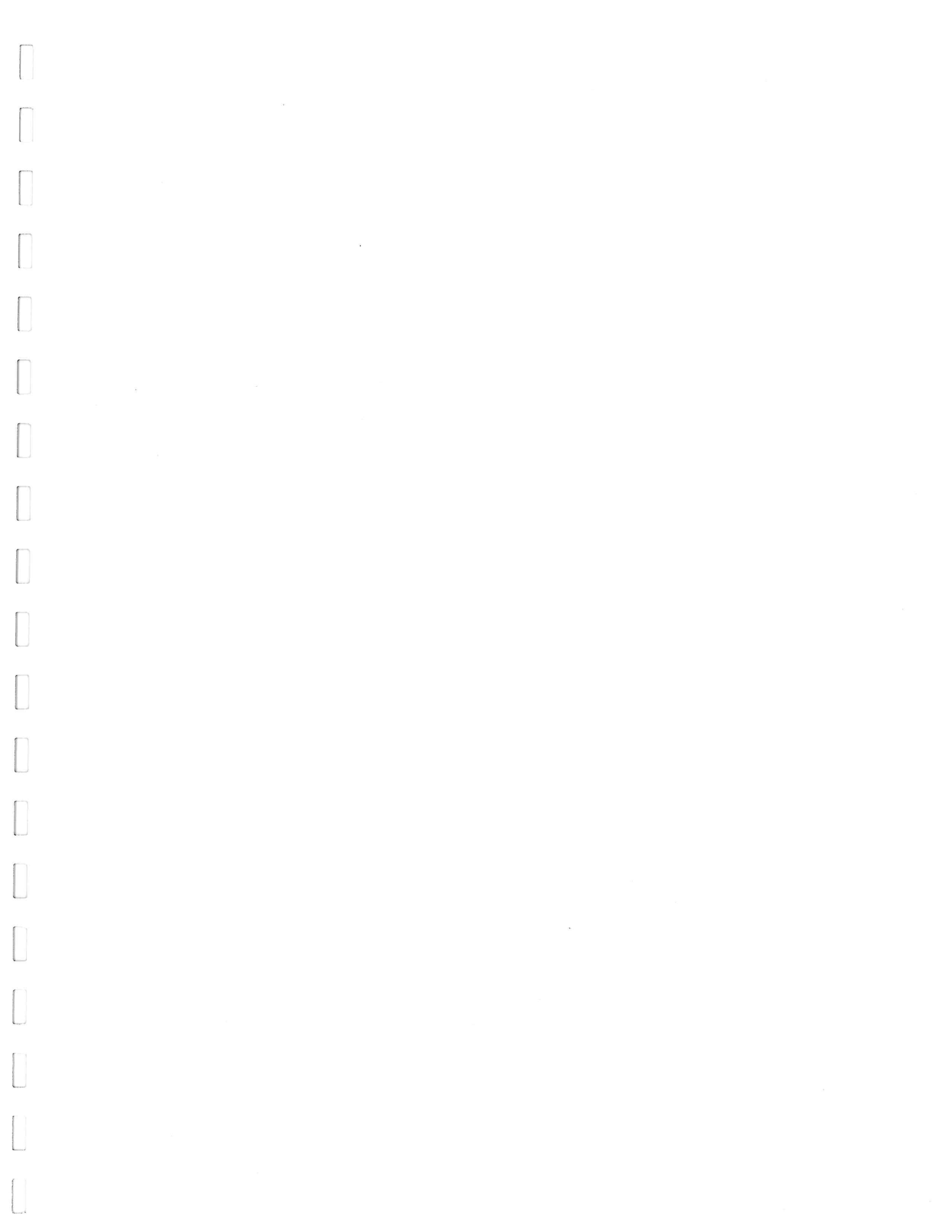
AI No. 187169

Date of Issuance 6/23/2016

Expiration 8/5/2017

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)
may result in civil and/or criminal enforcement actions by the State.

Christopher Mangum
Permit Support Services Division
Office of Environmental Services



APPENDIX C
PHOTOGRAPHIC LOG



Photo 1 View of structure.