

Project Manual For:

**Demolition of 825 West Northern Lights
Boulevard formerly known as The Chefs
Inn or Blues Central
Project No. 23027**



**State of Alaska
Alaska Industrial Development and Export Authority
813 W Northern Lights Blvd, Anchorage, Alaska 99503**

Advertising Date: October 5, 2022

**Site Visit Date: October 11, 2022, 2:00PM AST
813 West Northern Lights Blvd.
Anchorage, AK 99503**

This page is blank intentionally.

DIVISION 00 – BIDDING AND CONTRACT REQUIREMENTS

<u>Section No.</u>		<u>Form</u>	<u>Date</u>
<u>Invitation</u>			
00 02 00	INVITATION TO BID	25D-7	(8/01)
<u>Bid Notices</u>			
00 10 00	INFORMATION TO BIDDERS	25D-3	(7/88)
00 10 10	SUPPLEMENTARY INFORMATION TO BIDDERS		(11/92)
00 11 50A	SPECIAL NOTICE TO BIDDERS		
00 12 00	REQUIRED DOCUMENTS	25D-4	(4/12)
<u>Forms</u>			
00 12 90	FEDERAL EEO BID CONDITIONS	25A-301	(8/01)
00 14 40	EEO-1 CERTIFICATION	25A-304	(8/01)
00 31 00	PROPOSAL	25D-9A	(07/03)
00 32 00	BID SCHEDULE		
00 41 00	BID BOND	25D-14	(8/01)
00 42 00	BID MODIFICATION	25D-16	(8/01)
00 43 00	SUBCONTRACTOR LIST	25D-5	(10/12)
00 51 00	CONSTRUCTION CONTRACT	25D-10A	(8/01)
00 61 00	PERFORMANCE BOND	25D-13	(8/01)
00 62 00	PAYMENT BOND	25D-12	(8/01)
00 67 00	CONTRACTOR'S QUESTIONNAIRE	25D-8	(8/01)
<u>Contract Provisions and Specifications</u>			
00 70 00	GENERAL CONDITIONS		
00 80 00	SUPPLEMENTARY CONDITIONS		
Section 01 11 13 - Summary of Work			
Section 01 12 19 – Contractor’s Certification of Subcontracts			
NESHAP Pre-Demolition Hazardous Materials Assessment			
Blues Central As-Built Drawing			

END TABLE OF CONTENTS

ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT
AUTHORITY

INVITATION TO BID

for Construction Contract

Date October 5, 2022

**Demolition of 825 W. Northern Lights Blvd.
formerly known as The Chefs Inn or Blues Central
Project No. 23027**

Location of Project: 825 W. Northern Lights Blvd, Anchorage, Alaska

Procurement Specialist: Cris Chavez

Issuing Office: ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY (AUTHORITY)

State Funded [x] Federal Aid []

Description of Work: The Alaska Industrial Development and Export Authority (AIDEA) is seeking professional services to demolish, dispose of a building at 825 W. Northern Lights Blvd, formerly known as Chef's Inn or Blues Central, in accordance with EPA and NEPA standards.

The Engineer's Estimate is between **\$50,000.00 and \$100,000.00**

All portions of the work shall be substantially completed by dates indicated in Section 01 11 13 - Summary of Work.

Bidders are invited to submit single bid, for furnishing all labor, equipment, and materials and for performing all work for the project described above. Bids will be opened publicly on **October 19, 2022** at **2:30 pm** local time,

SUBMISSION OF BIDS

ALL BIDS INCLUDING ANY AMENDMENTS OR WITHDRAWALS MUST BE RECEIVED PRIOR TO BID OPENING. BIDS SHALL BE SUBMITTED ON THE FORMS FURNISHED AND MUST BE MARKED AS FOLLOWS:

Bid for Project:
Demolition of 825 W. Northern Lights Blvd. formerly known as The Chefs Inn or Blues Central
Project Number: 23027

ATTN: Cris Chavez, Procurement Specialist
Alaska Industrial Development and Export Authority
813 West Northern Lights Blvd.
Anchorage, AK 99503

Mailed Bids, amendments or withdrawals transmitted must be received in the above specified post office box no later than 4 hours prior to the scheduled time of bid opening. **Hand-delivered bids**, amendments or withdrawals must be received in the **Bid Drop Box in front of the Alaska Industrial Development and Export Authority**, prior to the scheduled time of bid opening. **Emailed bid** amendments or withdrawals must be received in the email inbox prior to the scheduled time of bid opening, addressed to **Cris Chavez**, Email: cchavez@aidea.org

A bid guaranty is required with each bid in the amount of 5% of the amount bid. (Alternate bid items as well as supplemental bid items appearing on the bid schedule shall be included as part of the total amount bid when determining the amount of bid guaranty required for the project.)

The Authority hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this Invitation, Disadvantaged Business Enterprises (DBEs) will be afforded full opportunity to submit bids and will not be discriminated against on the grounds of race, color, national origin, or sex in consideration for an award.

NOTICE TO BIDDERS

Bidders are hereby notified that data to assist in preparing bids is available as follows:

See attached Special Notice to Bidders for this project.

All questions relating to bidding procedures should be directed to:

Please submit all questions in writing no later than October 12, 2022 at 2:00PM.

**Cris Chavez
Procurement Specialist
813 West Northern Lights Blvd.
Anchorage, AK 99503**

Phone: (907) 771-3992 Email: cchavez@aidea.org

The Bid Calendar, Planholder lists, and Bid Results information are available on the Internet at:
[AIDEA/AIDEA Procurement Home Page \(aideaAIDEAprocurement.org\)](http://aideaAIDEAprocurement.org) under Procurement Opportunities.

Reminder: 3 AAC 109.220 requires all Bidders to have a valid Alaska Business License and an Alaska Contractor's Certificate of Registration prior to award.

ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY
INFORMATION TO BIDDERS

The Authority is concerned over the manner in which bids are submitted. Bidders are requested to study and follow the bid assembly instructions as to the method and form for submitting bids so there will be no reason to reject a bid.

EXAMINATION OF CONTRACT REQUIREMENTS

Bidders are expected to examine carefully the plans, specifications and all other documents incorporated in the contract to determine the requirements thereof before preparing bids.

Any explanation desired by bidders regarding the meaning or interpretation of drawings and specifications must be requested in writing and with sufficient time allowed for a reply to reach them before the submission of their bids. Oral explanations or instructions given before the award of the contract will not be binding. Any interpretation made will be in the form of an addendum to the specifications or drawings and will be furnished to all bidders and its receipt by the bidder shall be acknowledged.

CONDITIONS AT SITE OF WORK

Bidders are expected to visit the site to ascertain pertinent local conditions such as the location, accessibility and character of the site, labor conditions, the character and extent of the existing work within or adjacent thereto, and any other work being performed thereon.

PREPARATION OF BIDS

- (a) Bids shall be submitted on the forms furnished, and must be signed. The person signing the proposal must initial any erasures or changes made to the bid.
- (b) The bid schedule will provide for quotation of a price or prices for one or more pay items which may include unit price or lump sum items and alternative, optional or supplemental price schedules or a combination thereof which will result in a total bid amount for the proposed construction.

Where required on the bid form, bidders must quote on all items and **THEY ARE WARNED** that failure to do so will disqualify them. When quotations on all items are not required, bidders should insert the words "no bid" in the space provided for any item not requiring a quotation and for which no quotation is made.

- (c) The bidder shall specify the price or prices bid in figures. On unit price contracts the bidder shall also show the products of the respective unit prices and quantities written in figures in the column provided for the purpose and the total amount of the proposal obtained by adding the amounts of the several items. All the figures shall be in ink or typed.
- (d) Neither conditional nor alternative bids will be considered unless called for.
- (e) Unless specifically called for, telegraphic or telefacsimile bids will not be considered.
- (f) Bid Schedule form should be enclosed in a separate sealed envelope and enclosed with all other bidding forms required at the opening.

BID SECURITY

All bids shall be accompanied by a bid security in the form of an acceptable Bid Bond (Form 25D-14), or a certified check, cashier's check or money order made payable to the Alaska Industrial Development and Export Authority. The amount of the bid security is specified on the Invitation to Bid.

Bid Bonds must be accompanied by a legible Power of Attorney.

If the bidder fails to furnish an acceptable bid security with the bid, the bid shall be rejected as non-responsive. Telegraphic notification of execution of Bid Bond does not meet the requirements of bid security accompanying the bid. An individual surety will not be accepted as a bid security.

The Authority will hold the bid securities of the two lowest bidders until the Contract has been executed, after which they will be returned. All other bid securities will be returned as soon as practicable.

BIDDERS QUALIFICATIONS

Before a bid is considered for award, the bidder may be requested by the Authority to submit a statement of facts, in detail, as to his previous experience in performing comparable work, his business and technical organization, financial resources, and plant available to be used in performing the contemplated work.

SUBMISSION OF BIDS

Bids must be submitted as directed on the Invitation to Bid. Do not include in the envelope any bids for other work.

ADDENDA REQUIREMENTS

The bid documents provide for acknowledgement individually of all addenda to the drawings and/or specifications on the signature page of the Proposal. All addenda shall be acknowledged on the Proposal or by telegram prior to the scheduled time of bid opening. If the bidder received no addenda, the word "None" should be shown as specified.

Every effort will be made by the Authority to insure that Contractors receive all addenda when issued. Addenda will be issued to the individual or company to whom bidding documents were issued. Addenda may be issued by any reasonable method such as hand delivery, mail, telefacsimile, telegraph, courier, and in special circumstances by phone. Addenda will be issued to the address, telefacsimile number or phone number as stated on the planholder's list unless picked up in person or included with the bid documents. It is the bidder's responsibility to insure that he has received all addenda affecting the Invitation to Bid. No claim or protest will be allowed based on the bidder's allegation that he did not receive all of the addenda for an Invitation to Bid.

All Questions regarding an addendum need to be submitted in writing no later than 12:00PM the day after the addendum. Questions submitted after the deadline may be rejected by the Authority.

WITHDRAWAL OR REVISION OF BIDS

A bidder may withdraw or revise a bid after it has been deposited with the Authority, provided that the request for such withdrawal or revision is received by the designated office, in writing, by telegram, or by telefacsimile, before the time set for opening of bids.

Emailed or telefacsimile modifications shall include both the modification of the unit bid price and the total modification of each item modified, but shall not reveal the amount of the total original or revised bids. Form 25D-16 shall be used to submit such modifications.

RECEIPT AND OPENING OF BIDS

- (a) The Authority must receive all bids, including any amendment or withdrawal prior to the scheduled time of bid opening. Any bid, amendment, or withdrawal that has not actually been received by the Authority prior to the time of the scheduled bid opening will not be considered.
- (b) No responsibility will be attached to any officer or employee of the Authority for the premature opening of, or failure to open, a bid improperly addressed or identified.
- (c) The Authority reserves the right to waive any technicality in bids received when such waiver is in the interest of the State.

BIDDERS PRESENT

At the time fixed for bid opening, bids will be publicly opened and read for the information of bidders and others properly interested, who may be present either in person or by representative. The amount of the bid and the name of the bidder shall be compiled and distributed as soon as possible after bid opening. Bids are not open for public inspection until after the Notice of Intent to Award is issued.

BIDDERS INTERESTED IN MORE THAN ONE BID

If more than one bid is offered by any one party, by or in the name of his or their clerk or partner, all such bids will be rejected. A party who has quoted prices to a bidder is not thereby disqualified from quoting prices to other bidders or from submitting a bid directly for the work.

REJECTION OF BIDS

The Authority reserves the right to reject any and all bids when such rejection is in the best interest of the State; to reject the bid of a bidder who has previously failed to perform properly, or complete on time, contracts of a similar nature; to reject the bid of a bidder who is not, in the opinion of the Contracting Officer, in a position to perform the contract; and to reject a bid as non-responsive where the bidder fails to furnish the required documents, fails to complete required documents in the manner directed, or makes unauthorized alterations to the bid documents.

AWARD OF CONTRACT

- (a) The letter of award, if the contract is to be awarded, will be issued to the lowest responsible and responsive bidder as soon as practical and usually within 40 calendar days after opening of proposals.
- (b) The successful bidder will be notified of the Authority's intent to award the contract and requested to execute certain documents, including the contract form and bonds.
- (c) The contract will be awarded to the successful bidder following receipt by the Authority of all required documents, properly executed, within the time specified in the intent to award. Failure to enter into a contract within the specified time shall be grounds for forfeiture of the bid security and consideration of the second low bidder for award.

LABORER'S & MECHANICS' MINIMUM RATES OF PAY

Title 36. Public Contracts AS 36.05 & AS 36.10 Wage and Hour Administration Pamphlet No. 600 (Pamphlet 600) is hereby incorporated in its entirety. Pamphlet 600 is available for free download at: [Laborers' & Mechanics' Minimum Rates of Pay \(alaska.gov\)](http://Laborers' & Mechanics' Minimum Rates of Pay (alaska.gov)) .

ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY

SUPPLEMENTARY INFORMATION TO BIDDERS

This document modifies or adds to the provisions of Alaska Industrial Development and Export Authority's form 25D-3, INFORMATION TO BIDDERS.

Following subject area "REJECTION OF BIDS", add the following subject area:

"CONSIDERATION OF PROPOSALS

After the Proposals are opened and read, they will be compared on the basis identified on the bid schedule and the apparent low Bidder announced. The apparent low Bidder shall, within 5 working days following identification as the apparent low Bidder, submit a list of all firms with which the prime CONTRACTOR intends to execute subcontracts for the performance of the Contract. The list shall include the name, business address, Alaska business license number, and contractor's registration number of each proposed Subcontractor.

Upon confirmation of the contents of the proposal the low Bidder will be identified by the AUTHORITY in writing. If the low Bidder differs from the apparent low Bidder then the requirements for Subcontractor listing, as noted above, shall become effective upon the low Bidder at the time of identification.

If a Bidder fails to list a Subcontractor or lists more than one Subcontractor for the same portion of Work and the value of that Work is in excess of one-half of one percent of the total bid, the Bidder agrees that it shall be considered to have agreed to perform that portion of Work without the use of a Subcontractor and to have represented that the Bidder is qualified to perform the Work.

A Bidder who attempts to circumvent the requirements of this section by listing as a Subcontractor another contractor who, in turn, sublets the majority of the Work required under the Contract, violates this section.

If a Contract is awarded to a Bidder who violates this section, the Bidder agrees that the Contracting Officer may:

- (1) cancel the Contract without any damages accruing to the State; or
- (2) after notice and a hearing, assess a penalty on the Bidder in an amount that does not exceed 10 percent of the value of the Subcontract at issue.

A Bidder may replace a listed Subcontractor who:

- (1) fails to comply with AS 08.18;
- (2) files for bankruptcy or becomes insolvent;
- (3) fails to execute a contract with the Bidder involving performance of the Work for which the Subcontractor was listed and the Bidder acted in good faith;
- (4) fails to obtain bonding;
- (5) fails to obtain insurance acceptable to the State;
- (6) fails to perform the Contract with the Bidder involving Work for which the Subcontractor was listed;
- (7) must be substituted in order for the prime CONTRACTOR to satisfy required State and Federal affirmative action requirements;
- (8) refuses to agree or abide with the bidder's labor agreement; or
- (9) is determined by the Contracting Officer to be nonresponsive."

Modify subject area "AWARD OF CONTRACT" as follows:

Subparagraph (a) substitute the word "generally" for the phrase "as soon as practical and" Subparagraph (b) delete and substitute the following:

"All Bidders will be notified of the AUTHORITY's intent to Award the Contract and the successful Bidder will be requested to execute certain documents, including the Contract form and bonds."

Special Notice to Bidders

1. A non-mandatory Bid Opening will be on ***October 19, 2022 at 2:30PM***, AST in the Redoubt Room. To participate telephonically please dial 1-907-313-5678 and use the conference ID# 808 080 844#. All bidders will be notified within 24-48 hours of the Intent to Award via email.

REQUIRED DOCUMENTS

REQUIRED FOR BID. Bids will not be considered if the following documents are not completely filled out and submitted at the time of bidding:

1. **Bid Form (Form 25D-9)**
 2. **Bid Schedule**
 3. **Bid Security**
 4. Any bid revisions must be submitted by the bidder prior to bid opening on the following form:
Bid Modification (Form 25D-16)
-

REQUIRED AFTER NOTICE OF APPARENT LOW BIDDER. The apparent low bidder is required to complete and submit the following document within 5 working days after receipt of written notification:

1. **Subcontractor List (Form 25D-5)**
-

REQUIRED FOR AWARD. In order to be awarded the contract, the successful bidder must completely fill out and submit the following documents within the time specified in the intent to award letter:

1. **Construction Contract (Form 25D-10A)**
2. **Payment Bond (Form 25D-12)**
3. **Performance Bond (Form 25D-13)**
4. **Contractor's Questionnaire (Form 25D-8)**
5. **EEO-1 Certification (25A-304)**
6. **Certificate of Insurance** (from carrier)

STATE OF ALASKA
ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY

EEO-1 CERTIFICATION

Federal Contracts

Demolition of 825 N. Lights Blvd, formerly known as Chefs Inn or Blues Central

Project No. 23027

This certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor [41 CFR 60-1.7 (b) (1)] and must be completed by the successful Bidder and each proposed Subcontractor participating in this contract.

PLEASE CHECK APPROPRIATE BOXES

The Bidder Proposed Subcontractor hereby CERTIFIES:

PART A. Bidders and proposed Subcontractors with 50 or more year-round employees and a federal contract amounting to \$50,000 or more are required to submit one federal Standard Report Form 100 during each year that the two conditions exist (50 employees and a \$50,000 federal contract).

The company named below (Part C) is exempt from the requirements of submitting the Standard Report Form 100 this year.

NO (go to PART B) YES (go to PART C)

Instructions and blank Standard Report Form 100's may be obtained from a local U.S. Department of Labor office, or by writing to:

The Joint Reporting Committee
P.O. Box 779
Norfolk, Virginia 23501

Telephone number: (757) 461-1213

PART B. The company named below has submitted the Standard Report Form 100 this year.

NO YES

Note: Bidders and proposed Subcontractors who have not filed the required Standard Report Form 100 and are not exempt from filing requirements will not be awarded this contract or subcontract until Form 100 has been filed for the current year ending June 30. _

PART C.

Signature of Authorized Company Representative

Title

Company Name

Company Address (Street or PO Box, City, State, Zip)

()

Date

Phone Number

INVITATION TO BID

of

NAME _____

ADDRESS _____

To the **CONTRACTING OFFICER, ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY:**

In compliance with your Invitation to Bid dated **October 5, 2022**, the Undersigned proposes to furnish and deliver all the materials and do all the work and labor required in the construction of Project:

Project Name

**Demolition of 825 W. Northern Lights Blvd. formerly known as The Chefs Inn or Blues Central
Project No. 23027**

Located at **Anchorage, Alaska**, according to the plans and specifications and for the amount and prices named herein as indicated on the Bid Schedule consisting of 2 sheet(s), which is made a part of this Bid.

The Undersigned declares that he has carefully examined the contract requirements and that he has made a personal examination of the site of the work; that he understands that the quantities, where such are specified in the Bid Schedule or on the plans for this project, are approximate only and subject to increase or decrease, and that he is willing to perform increased or decreased quantities of work at unit prices bid under the conditions set forth in the Contract Documents.

The Undersigned hereby agrees to execute the said contract and bonds within fifteen calendar days, or such further time as may be allowed in writing by the Contracting Officer, after receiving notification of the acceptance of this proposal, and it is hereby mutually understood and agreed that in case the Undersigned does not, the accompanying bid guarantee shall be forfeited to the Alaska Industrial Development and Export Authority, as liquidated damages, and the said Contracting Officer may proceed to award the contract to others.

The Undersigned agrees to commence the work within 10 calendar days of the effective date of Notice to Proceed and to Substantially Complete the work by the **dates indicated in Section 01 11 13 - Summary of Work** unless extended in writing by the Contracting Officer.

The Undersigned proposes to furnish Payment Bond in the amount of 100% (of the contract) and Performance Bond in the amount of 100% (of the contract), as surety conditioned for the full, complete and faithful performance of this contract.

The Undersigned acknowledges receipt of the following addenda to the drawings and/or specifications (give number and date of each).

Addendum Number	Date Issued	Addendum Number	Date Issued	Addendum Number	Date Issued

NON-COLLUSION AFFIDAVIT

The Undersigned declares, under penalty of perjury under the laws of the United States, that neither he nor the firm, association, or corporation of which he is a member, has, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this bid.

The Undersigned has read the foregoing proposal and hereby agrees to the conditions stated therein by affixing his signature below:

Signature Name

and Title of Person Signing

Telephone Number

Fax Number

BID SCHEDULE

**Demolition of 825 W. Northern Lights Blvd. formerly known as The Chefs Inn or Blues Central
Project No. 23027**

Bidders Please Note: Before preparing this bid schedule, read carefully, "Information to Bidders", and the following:

The Bidder shall insert a fixed price in figures opposite each pay item that appears on the bid schedule to furnish all labor, material, equipment, supervision and provide all work for each item listed. No price is to be entered or tendered for any item not appearing in the bid schedule. In case of error in the extension of prices in the bid, the unit prices will govern.

Contract award shall be made based on the Lump Sum Price. AIDEA reserves the right to award none or any number of alternates in any order in the best interest of the State.

Bidders are required to bid on all bid items. Conditioned or qualified bids will be considered non-responsive.

Bid Item	Description	Lump Sum Price
1	Demolition of 825 West Northern Lights Blvd, As Per Specifications Attached	\$
Total Lump Sum		\$

See Specification Section 01 11 13 Summary of Work and drawings for detailed descriptions of each bid item.

2. Acknowledge all addenda

Addendum No	Date Issued	Addendum No	Date Issued	Addendum No	Date Issued

3. BIDDER'S NOTICE: By signature on this form, the Bidder certifies that:

- a. The price(s) submitted are independent and without collusion.
- b. The Bidder will comply with the laws of the State of Alaska;
- c. The Bidder will comply with applicable portions of the Federal Civil Rights Act of 1964;
- d. The Bidder will comply with the Equal Employment Opportunity Act and the regulations issued there under by the State and Federal Government; and
- e. The Bidder has reviewed all terms and conditions in this Invitation to Bid.

If any Bidder fails to comply with any of these requirements, the Authority may reject its bid, terminate the contract, or consider the Vendor in default.

Company Submitting Bid	Telephone Number
Address	Fax Number
Authorized Signature	E-mail Address
Print Name	Alaska Business License number: _____ EXPRES DATE: _____
	Alaska Contractor's Registration # _____ EXPRES DATE: _____

End of Bid Schedule.

BID BOND

For

**Demolition of 825 W. Northern Lights Blvd. formerly known as The Chefs Inn or Blues Central
Project No. 23027**

DATE BOND EXECUTED: _____

PRINCIPAL (Legal name and business address):

TYPE OF ORGANIZATION:

_____ _____ _____	<input type="checkbox"/> Individual <input type="checkbox"/> Partnership <input type="checkbox"/> Joint Venture <input type="checkbox"/> Corporation
STATE OF INCORPORATION: _____	

SURETY(IES) (Name and business address):

A.	B.	C.
PENAL SUM OF BOND: _____		DATE OF BID: _____

We, the PRINCIPAL and SURETY above named, are held and firmly bound to the State (State of Alaska), in the penal sum of the amount stated above, for the payment of which sum will be made, we bind ourselves and our legal representatives and successors, jointly and severally, by this instrument.

THE CONDITION OF THE FOREGOING OBLIGATION is that the Principal has submitted the accompanying bid in writing, date as shown above, on the above-referenced Project in accordance with contract documents filed in the office of the Contracting Officer, and under the Invitation To Bid therefore, and is required to furnish a bond in the amount stated above.

If the Principal's bid is accepted and he is offered the proposed contract for award, and if the Principal fails to enter into the contract, then the obligation to the State created by this bond shall be in full force and effect.

If the Principal enters into the contract, then the foregoing obligation is null and void.

PRINCIPAL

Signature(s)	1.	2.	3.
Name(s) & Title(s) (Typed)	1.	2.	3.

Corporate Seal

**See Instructions on
Reverse**

CORPORATE SURETY(IES)

Surety A	Name of Corporation	State of Incorporation	Liability Limit \$
Signature(s)	1.	2.	Corporate Seal
Name(s)) & Titles (Typed)	1.	2.	

Surety B	Name of Corporation	State of Incorporation	Liability Limit \$
Signature(s)	1.	2.	Corporate Seal
Name(s)) & Titles (Typed)	1.	2.	

Surety C	Name of Corporation	State of Incorporation	Liability Limit \$
Signature(s)	1.	2.	Corporate Seal
Name(s)) & Titles (Typed)	1.	2.	

INSTRUCTIONS

1. This form shall be used whenever a bid bond is submitted.
2. Insert the full legal name and business address of the Principal in the space designated. If the Principal is a partnership or joint venture, the names of all principal parties must be included (e.g., "Smith Construction, Inc. and Jones Contracting, Inc. DBA Smith/Jones Builders, a joint venture"). If the Principal is a corporation, the name of the state in which incorporated shall be inserted in the space provided.
3. Insert the full legal name and business address of the Surety in the space designated. The Surety on the bond may be any corporation or partnership authorized to do business in Alaska as an insurer under AS 21.09. Individual sureties will not be accepted.
4. The penal amount of the bond may be shown either as an amount (in words and figures) or as a percent of the contract bid price (a not-to-exceed amount may be included).
5. The scheduled bid opening date shall be entered in the space marked Date of Bid.
6. The bond shall be executed by authorized representatives of the Principal and Surety. Corporations executing the bond shall also affix their corporate seal.
7. Any person signing in a representative capacity (e.g., an attorney-in-fact) must furnish evidence of authority if that representative is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved.
8. The states of incorporation and the limits of liability of each surety shall be indicated in the spaces provided.
9. The date that bond is executed must not be later than the bid opening date.

CONSTRUCTION CONTRACT

**Demolition of 825 W. Northern Lights Blvd. formerly known as The Chefs Inn or Blues Central
Project No. 23027**

This CONTRACT, between the ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY, herein called the Authority, acting by and through its Contracting Officer, and

Company Name

Company Address (Street or PO Box, City, State, Zip)

a/an Individual Partnership Joint Venture Sole Proprietorship Corporation incorporated under the laws of the State of _____, its successors and assigns, herein called the Contractor, is effective the date of the signature of the Contracting Officer on this document.

WITNESSETH: That the Contractor, for and in consideration of the payment or payments herein specified and agreed to by the Department, hereby covenants and agrees to furnish and deliver all the materials and to do and perform all the work and labor required in the construction of the above-referenced project at the prices bid by the Contractor for the respective estimated quantities aggregating approximately the sum of Dollars (\$ _____), and such other items as are mentioned in the original Bid, which Bid and prices named, together with the Contract Documents are made a part of this Contract and accepted as such.

It is distinctly understood and agreed that no claim for additional work or materials, done or furnished by the Contractor and not specifically herein provided for, will be allowed by the Authority, nor shall the Contractor do any work or furnish any material not covered by this Contract, unless such work is ordered in writing by the Authority. In no event shall the Authority be liable for any materials furnished or used, or for any work or labor done, unless the materials, work, or labor are required by the Contract or on written order furnished by the Authority. Any such work or materials which may be done or furnished by the Contractor without written order first being given shall be at the Contractor's own risk, cost, and expense and the Contractor hereby covenants and agrees to make no claim for compensation for work or materials done or furnished without such written order.

The Contractor further covenants and agrees that all materials shall be furnished and delivered and all labor shall be done and performed, in every respect, to the satisfaction of the Authority, on or before,

Substantially Completed by: **Dates indicated in Section 01 11 13 - Summary of Work**
Final Completion: **Dates indicated in Section 01 11 13 - Summary of Work**

It is expressly understood and agreed that in case of the failure on the part of the Contractor, for any reason, except with the written consent of the Authority, to complete the furnishing and delivery of materials and the doing and performance of the work before the aforesaid date, the Authority shall have the right to deduct from any money due or which may become due the Contractor, or if no money shall be due, the Authority shall have the right to recover **Five Hundred Dollars (\$500.00)** per day for each calendar day elapsing between the time stipulated for the completion and the actual date of completion up to a maximum of **\$10,000 (20 days)** in accordance with the terms hereof; such deduction to be made, or sum to be recovered, not as a penalty but as liquidated damages.

The bonds given by the Contractor in the sum of \$_____ Payment Bond, and \$_____ Performance Bond, to secure the proper compliance with the terms and provisions of this Contract, are submitted herewith and made a part hereof.

IN WITNESS WHEREOF, the parties hereto have executed this Contract and hereby agree to its terms and conditions.

CONTRACTOR

Company Name

Signature of Authorized Company Representative

Typed Name and Title

Date

(Corporate Seal)

ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY

Signature of Contracting Officer

Typed Name

Date

PERFORMANCE BOND

Bond No. _____

For

**Demolition of 825 W. Northern Lights Blvd. formerly known as The Chefs Inn or Blues Central
Project No. 23027**

KNOW ALL WHO SHALL SEE THESE PRESENTS:

That _____
of _____ as Principal,
and _____
of _____ as Surety,
firmly bound and held unto the State of Alaska in the penal sum of _____ Dollars

(\$ _____) good and lawful money of the United States of America for the payment whereof, well and truly to be paid to the State of Alaska, we bind ourselves, our heirs, successors, executors, administrators, and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal has entered into a written contract with said State of Alaska, on the __ of _____ A.D., 20____, for construction of the above-named project, said work to be done according to the terms of said contract.

Now, THEREFORE, the conditions of the foregoing obligation are such that if the said Principal shall well and truly perform and complete all obligations and work under said contract and if the Principal shall reimburse upon demand of the Alaska Industrial Development and Export Authority any sums paid him which exceed the final payment determined to be due upon completion of the project, then these presents shall become null and void; otherwise they shall remain in full force and effect.

IN WITNESS WHEREOF, we have hereunto set our hands and seals at _____, _____ this _____ day of _____ A.D., 20____.

Principal: _____

Address: _____

By: _____

Contact Name: _____

Phone: () _____

Surety: _____

Address: _____

By: _____

Contact Name: _____

Phone: () _____

The offered bond has been checked for adequacy under the applicable statutes and regulations:

Alaska Industrial Development and Export Authority Authorized Representative

Date

See Instructions on Reverse

INSTRUCTIONS

1. This form shall be used whenever a performance bond is required. There shall be no deviation from this form without approval from the Contracting Officer.
2. The full legal name, business address, phone number, and point of contact of the Principal and Surety shall be typed on the face of the form. Where more than a single surety is involved, a separate form shall be executed for each surety.
3. The penal amount of the bond, or in the case of more than one surety the amount of obligation, shall be typed in words and in figures.
4. Where individual sureties are involved, a completed Affidavit of Individual Surety shall accompany the bond. Such forms are available upon request from the Contracting Officer.
5. The bond shall be signed by authorized persons. Where such person is signing in a representative capacity (e.g., an attorney-in-fact), but is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved, evidence of authority must be furnished.

PAYMENT BOND

Bond No. _____

For

**Demolition of 825 W. Northern Lights Blvd. formerly known as The Chefs Inn or Blues Central
Project No. 23027**

NOW ALL WHO SHALL SEE THESE PRESENTS:

That _____
of _____ as Principal,
and _____
of _____ as Surety,
firmly bound and held unto the State of Alaska in the penal sum of _____ Dollars

(\$ _____) good and lawful money of the United States of America for the payment whereof, well and truly to be paid to the State of Alaska, we bind ourselves, our heirs, successors, executors, administrators, and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal has entered into a written contract with said State of Alaska, on the __ of _____ A.D., 20____, for construction of the above-referenced project, said work to be done according to the terms of said contract.

Now, THEREFORE, the conditions of the foregoing obligation are such that if the said Principal shall comply with all requirements of law and pay, as they become due, all just claims for labor performed and materials and supplies furnished upon or for the work under said contract, whether said labor be performed and said materials and supplies be furnished under the original contract, any subcontract, or any and all duly authorized modifications thereto, then these presents shall become null and void; otherwise they shall remain in full force and effect.

IN WITNESS WHEREOF, we have hereunto set our hands and seals at _____, _____ this _____ day of _____ A.D., 20____.

Principal: _____

Address: _____

By: _____

Contact Name: _____

Phone: () _____

Surety: _____

Address: _____

By: _____

Contact Name: _____

Phone: () _____

The offered bond has been checked for adequacy under the applicable statutes and regulations:

Alaska Industrial Development and Export Authority Authorized Representative

Date

See Instructions on Reverse

INSTRUCTIONS

1. This form, for the protection of persons supplying labor and material, shall be used whenever a payment bond is required. There shall be no deviation from this form without approval from the Contracting Officer.
2. The full legal name, business address, phone number, and point of contact of the Principal and Surety shall be typed on the face of the form. Where more than a single surety is involved, a separate form shall be executed for each surety.
3. The penal amount of the bond, or in the case of more than one surety the amount of obligation, shall be typed in words and in figures.
4. Where individual sureties are involved, a completed Affidavit of Individual Surety shall accompany the bond. Such forms are available upon request from the Contracting Officer.
5. The bond shall be signed by authorized persons. Where such persons are signing in a representative capacity (e.g., an attorney-in-fact), but is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved, evidence of authority must be furnished.

2. What percent of the total value of this contract do you intend to subcontract? __ %

3. Do you propose to purchase any equipment for use on this project?
[] No [] Yes If YES, describe type, quantity, and approximate cost:

4. Do you propose to rent any equipment for this work?
[] No [] Yes If YES, describe type and quantity:

5. Is your bid based on firm offers for all materials necessary for this project? [] Yes [] No If NO, please explain:

C. EXPERIENCE

1. Have you had previous construction contracts or subcontracts with the Authority? [] Yes [] No

Describe the most recent or current contract, its completion date, and scope of work:

2. List, as an attachment to this questionnaire, other construction projects you have completed, the dates of completion, scope of work, and total contract amount for each project completed in the past 12 months.

I hereby certify that the above statements are true and complete.

Name of Contractor

Name and Title of Person Signing

Signature

Date

**ALASKA INDUSTRIAL
DEVELOPMENT AND EXPORT
AUTHORITY SECTION 00 70 00
GENERAL CONDITIONS**

- ARTICLE 1 DEFINITIONS
- ARTICLE 2 AUTHORIZATION AND LIMITATIONS
- 2.1 Authorities and Limitations
 - 2.2 Evaluations by Contracting Officer
 - 2.3 Means and Methods
 - 2.4 Visits to Site
- ARTICLE 3 CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE
- 3.1 Incomplete Contract Documents
 - 3.2 Copies of Contract Documents
 - 3.3 Scope of Work
 - 3.4 Intent of Contract Documents
 - 3.5 Discrepancy in Contract Documents
 - 3.6 Clarifications and Interpretations
 - 3.7 Reuse of Documents
- ARTICLE 4 LANDS AND PHYSICAL CONDITIONS
- 4.1 Availability of Lands
 - 4.2 Visit to Site
 - 4.3 Explorations and Reports
 - 4.4 Utilities
 - 4.5 Damaged Utilities
 - 4.6 Utilities Not Shown or Indicated
 - 4.7 Survey Control
- ARTICLE 5 BONDS AND INSURANCE, AND INDEMNIFICATION
- 5.1 Delivery of Bonds
 - 5.2 Bonds
 - 5.3 Replacement of Bond and Surety
 - 5.4 Insurance Requirements
 - 5.5 Indemnification
- ARTICLE 6 CONTRACTOR'S RESPONSIBILITIES
- 6.1 Supervision of Work
 - 6.2 Superintendence by CONTRACTOR
 - 6.3 Character of Workers
 - 6.4 CONTRACTOR to Furnish
 - 6.5 Materials and Equipment
 - 6.6 Anticipated Schedules
 - 6.7 Finalizing Schedules
 - 6.8 Adjusting Schedules
 - 6.9 Substitutes or "Or-Equal" Items
 - 6.10 Substitute Means and Methods
 - 6.11 Evaluation of Substitution
 - 6.12 Dividing the Work
 - 6.13 Subcontractors

6.14	Use of Premises
6.15	Structural Loading
6.16	Record Documents
6.17	Safety and Protection
6.18	Safety Representative
6.19	Emergencies
6.20	Shop Drawings and Samples
6.21	Shop Drawing and Sample Review
6.22	Maintenance during Construction
6.23	Continuing the Work
6.24	Consent to Assignment
6.25	Use of Explosives
6.26	CONTRACTOR's Records
6.27	Load Restrictions
ARTICLE 7	LAWS AND REGULATIONS
7.1	Laws to be observed
7.2	Permits, Licenses, and Taxes
7.3	Patented Devices, Materials and Processes
7.4	Compliance of Specifications and Drawings
7.5	Accident Prevention
7.6	Sanitary Provisions
7.7	Business Registration
7.8	Professional Registration and Certification
7.9	Local Building Codes
7.10	Air Quality Control
7.11	Archaeological or Paleontological Discoveries
7.12	Applicable Alaska Preferences
7.13	Preferential Employment
7.14	Wages and Hours of Labor
7.15	Overtime Work Hours and Compensation
7.16	Covenants against Contingent Fees
7.17	Officials Not to Benefit
7.18	Personal Liability of Public Officials
ARTICLE 8	OTHER WORK
8.1	Related Work at Site
8.2	Access, Cutting, and Patching
8.3	Defective Work by Others
8.4	Coordination
ARTICLE 9	CHANGES
9.1	AUTHORITY's Right to Change
9.2	Authorization of Changes within the General Scope
9.3	Directive
9.4	Change Order
9.5	Shop Drawing Variations
9.6	Changes outside the General Scope; Supplemental Agreement
9.7	Unauthorized Work
9.8	Notification of Surety
9.9	Differing Site Conditions

9.10 Interim Work Authorization

ARTICLE 10 CONTRACT PRICE; COMPUTATION AND CHANGE

- 10.1 Contract Price
- 10.2 Claims for Price Change
- 10.3 Change Order Price Determination
- 10.4 Cost of the Work
- 10.5 Excluded Costs
- 10.6 CONTRACTOR's Fee
- 10.7 Cost Breakdown
- 10.8 Cash Allowances
- 10.9 Unit Price Work
- 10.10 Determinations for Unit Prices

ARTICLE 11 CONTRACT TIME, COMPUTATION AND CHANGE

- 11.1 Commencement of Contract Time; Notice to Proceed
- 11.2 Starting the Work
- 11.3 Computation of Contract Time
- 11.4 Time Change
- 11.5 Extension Due to Delays
- 11.6 Essence of Contract
- 11.7 Reasonable Completion Time
- 11.8 Delay Damages

ARTICLE 12 QUALITY ASSURANCE

- 12.1 Warranty and Guaranty
- 12.2 Access to Work
- 12.3 Tests and Inspections
- 12.4 Uncovering Work
- 12.5 AUTHORITY May Stop the Work
- 12.6 Correction or Removal of Defective Work
- 12.7 One Year Correction Period
- 12.8 Acceptance of Defective Work
- 12.9 AUTHORITY may Correct Defective Work

ARTICLE 13 PAYMENTS TO CONTRACTOR AND COMPLETION

- 13.1 Schedule of Values
- 13.2 Preliminary Payments
- 13.3 Application for Progress Payment
- 13.4 Review of Applications for Progress Payments
- 13.5 Stored Materials and Equipment
- 13.6 CONTRACTOR's Warranty of Title
- 13.7 Withholding of Payments
- 13.8 Retainage
- 13.9 Request for Release of funds
- 13.10 Substantial Completion
- 13.11 Access Following Substantial Completion
- 13.12 Final Inspection
- 13.13 Final Completion and Application for Payment
- 13.14 Final Payment

- 13.15 Final Acceptance
- 13.16 CONTRACTOR's Continuing Obligation
- 13.17 Waiver of Claims by CONTRACTOR
- 13.18 No Waiver of Legal Rights

ARTICLE 14 SUSPENSION OF WORK AND TERMINATION

- 14.1 AUTHORITY May Suspend Work
- 14.2 Default of Contract
- 14.3 Rights or Remedies
- 14.4 Convenience Termination

ARTICLE 15 CLAIMS AND DISPUTES

- 15.1 Notification
- 15.2 Presenting Claim
- 15.3 Claim Validity, Additional Information & Authority's Action
- 15.4 Contracting Officer's Decision
- 15.5 Appeals on a Contract Claim
- 15.6 Construction Contract Claim Appeal
- 15.7 Fraud and Misrepresentation in Making a Claim

ARTICLE 1 - DEFINITIONS

Wherever used in the Contract Documents the following terms, or pronouns in place of them, are used, the intent and meaning, unless a different intent or meaning is clearly indicated, shall be interpreted as set forth below.

The titles and headings of the articles, sections, and subsections herein are intended for convenience of reference.

Terms not defined below shall have their ordinary accepted meanings within the context which they are used. Words which have a well-known technical or trade meaning when used to describe work, materials or equipment shall be interpreted in accordance with such meaning. Words defined in Article 1 are to be interpreted as defined.

Addenda - All clarifications, corrections, or changes issued graphically or in writing by the AUTHORITY after the Advertisement but prior to the opening of Proposals.

Advertisement - The public announcement, as required by law, inviting bids for Work to be performed or materials to be furnished.

Application for Payment - The form provided by the AUTHORITY which is to be used by the CONTRACTOR in requesting progress or final payments and which is to include such supporting documentation as is required by the Contract Documents.

Approved or Approval - Means written approval by the Contracting Officer or his authorized representative as defined in Article 2.1. 'Approved' or 'Approval' as used in this contract document shall mean that the Authority has received a document, form or submittal from the Contractor and that the Authority has taken "No exceptions" to the item submitted. Unless the context clearly indicates otherwise, approved or approval shall not mean that the Authority approves of the methods or means, or that the item or form submitted meets the requirements of the contract or constitutes acceptance of the Contractor's work. Where approved or approval means acceptance, then such approval must be set forth in writing and signed by the Contracting Officer or his designee.

A.S - Initials which stand for Alaska Statute.

Authority - The Alaska Industrial Development and Export Authority (AIDEA). References to "Contracting Agency" means the AUTHORITY. The AUTHORITY is acting as an agent for Owner.

Award - The acceptance, by the AUTHORITY, of the successful bid.

Bid Bond - A type of Proposal Guaranty.

Bidder - Any individual, firm, corporation or any acceptable combination thereof, or joint venture submitting a bid for the advertised Work.

Calendar Day - Every day shown on the calendar, beginning and ending at midnight.

Change Order - A written order by the AUTHORITY directing changes to the Contract Documents, within their general scope.

Consultant - The person, firm, or corporation retained directly by the AUTHORITY to prepare Contract Documents, perform construction administration services, or other Project related services. References to Authority's Consultants shall include Engineer.

Contingent Sum Work Item - When the bid schedule contains a Contingent Sum Work Item, the Work covered shall be performed only upon the written Directive of the Project Manager. Payment shall be made as provided in the Directive.

Contract - The written agreement between the AUTHORITY and the CONTRACTOR setting forth the obligations of the parties and covering the Work to be performed, all as required by the Contract Documents.

Contract Documents - The Contract form, Addenda, the bidding requirements and CONTRACTOR's bid (including all appropriate bid tender forms), the bonds, the Conditions of the Contract and all other Contract requirements, the Specifications, and the Drawings furnished by the AUTHORITY to the CONTRACTOR, together with all Change Orders and documents approved by the Contracting Officer, for inclusion, modifications and supplements issued on or after the Effective Date of the Contract.

Contracting Officer - The person authorized by the Executive Director to enter into and administer the Contract on behalf of the AUTHORITY; who has authority to make findings, determinations and decisions with respect to the Contract and, when necessary, to modify or terminate the Contract. The Contracting Officer is identified on the construction Contract.

Contractor - The individual, firm, corporation or any acceptable combination thereof, contracts with the AUTHORITY for performance of the Work.

Contract Price - The total moneys payable by the AUTHORITY to the CONTRACTOR under the terms of the Contract Documents.

CONTRACTOR's Release – CONTRACTOR's written notification to the AUTHORITY specifying final payment due and releasing the AUTHORITY of any and all claims.

Contract Time - The number of Calendar Days following issuance of Notice-to-Proceed in which the project shall be rendered Substantially Complete, or if specified as a calendar date, the Substantial Completion date specified in the Contract Documents.

Controlling Item - Any feature of the Work on the critical path of a network schedule.

Defective - Work that is unsatisfactory, faulty or deficient, or does not conform to the Contract Documents.

Directive - A written communication to the CONTRACTOR from the Contracting Officer interpreting or enforcing a Contract requirement or ordering commencement of an item of Work.

Drawings - The Drawings which show the character and scope of the Work to be performed and which have been furnished by the AUTHORITY and are by reference made a part of the Contract Documents.

Engineer - The person, firm, or corporation retained directly by the AUTHORITY to prepare Contract Documents, perform construction administration services, or other Project related services.

Equipment - All machinery together with the necessary supplies for upkeep and maintenance, and also tools and apparatus necessary for the proper construction and acceptable completion of the work.

Final Completion - The Project has progressed to the point that all required Work is complete..

Furnish - To procure, transport, and deliver to the project site materials, labor, or equipment, for installation or use on the project.

General Requirements - Sections of Division I of the Specifications which contain administrative and procedural requirements as well as requirements for temporary facilities which apply to Specification Divisions 2 through I6.

Holidays - In the State of Alaska, Legal Holidays occur on:

1. New Years Day - January 1
2. Martin Luther King's Birthday - Third Monday in January
3. President's Day - Third Monday in February
4. Seward's Day - Last Monday in March
5. Memorial Day - Last Monday in May
6. Independence Day - July 4
7. Labor Day - First Monday in September
8. Alaska Day - October 18
9. Veteran's Day - November 11
10. Thanksgiving Day - Fourth Thursday in November
11. Christmas Day - December 25
12. Every Sunday
13. Every day designated by public proclamation by the President of the United States or the Governor of the State as a legal Holiday.

If any Holiday listed above falls on a Saturday, Saturday and the preceding Friday are both legal Holidays. If the Holiday should fall on a Sunday, except (12) above, Sunday and the following Monday are both legal Holidays. See Title 44, Alaska Statutes.

Install - Means to build into the Work, ready to be used in complete and operable condition and in compliance with Contract Documents.

Interim Work Authorization - A written order by the Project Manager initiating changes to the Contract within its general scope, until a subsequent Change Order is executed.

Invitation for Bids - A portion of the bidding documents soliciting bids for the Work to be performed.

Materials - Any substances specified for use in the construction of the project.

Notice of Intent to Award - The written notice by the AUTHORITY to all Bidders identifying the apparent successful Bidder and establishing the AUTHORITY's intent to execute the Contract when all conditions required for execution of the Contract are met.

Notice to Proceed - A written notice to the CONTRACTOR to begin the Work and establishing the date on which the Contract Time begins.

Onsite Project Representative - The Engineer's authorized representative assigned to make detailed observations relating to contract performance.

Owner – Means Grantee for whom the ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY is acting as an agent of.

Payment Bond - The security furnished by the CONTRACTOR and his Surety to guarantee payment of the debts covered by the bond.

Performance Bond - The security furnished by the CONTRACTOR and his Surety to guarantee performance and completion of the Work in accordance with the Contract.

Pre-construction Conference - A meeting between the CONTRACTOR, Project Manager and the Engineer, and other parties affected by the construction, to discuss the project before the CONTRACTOR begins work.

Project Manager - The authorized representative of the Contracting Officer who is responsible for administration of the Contract.

Procurement Manager/Officer - The person authorized by the Contracting Officer to administer the Contract on behalf of the AUTHORITY; who has authority to make findings, determinations and decisions with respect to the Contract and, when necessary present such to the Contracting Officer, to modify or terminate the Contract.

Project - The total construction, of which the Work performed under the Contract Documents, is the whole or a part, where such total construction may be performed by more than one CONTRACTOR.

Proposal - The offer of a Bidder, on the prescribed forms, to perform the Work at the prices quoted.

Proposal Guaranty - The security furnished with a Proposal to guarantee that the bidder will enter into a Contract if his Proposal is accepted by the AUTHORITY.

Quality Assurance (QA) - Where referred to in the technical specifications (Divisions 2 through 16), Quality Assurance refers to measures to be provided by the CONTRACTOR as specified.

Quality Control (QC) - Tests and inspections by the CONTRACTOR to insure the acceptability of materials incorporated into the work. QC test reports are used as a basis upon which to determine whether the Work conforms to the requirements of the Contract Documents and to determine its acceptability for payment.

Regulatory Requirements - Laws, rules, regulations, ordinances, codes and/or orders.

Schedule of Values - Document submitted by the CONTRACTOR and reviewed by the Contracting Officer, which shall serve as the basis for computing payment and for establishing the value of separate items of Work which comprise the Contract Price.

Shop Drawings - All drawings, diagrams, illustrations, schedules and other data which are specifically prepared by or for the CONTRACTOR to illustrate some portion of the Work and all illustrations, brochures, standard schedules, performance charts, instructions, diagrams and other information prepared by a Supplier and submitted by the CONTRACTOR to illustrate material, equipment, fabrication, or erection for some portion of the Work. Where used in the Contract Documents, "Shop Drawings" shall also mean "Submittals".

Specifications - Those portions of the Contract Documents consisting of written technical descriptions of materials, equipment, construction systems, standards and workmanship as applied to the Work and certain administrative and procedural details applicable thereto.

Subcontractor - An individual, firm, or corporation to whom the CONTRACTOR or any other Subcontractor sublets part of the Contract.

Substantial Completion - Although not fully completed, the Work (or a specified part thereof) has progressed to the point where it is sufficiently complete, in accordance with the Contract Documents, so that the Work (or specified part) can be utilized for the purposes for which it is intended. The terms "Substantially Complete" and "Substantially Completed" as applied to any Work refer to Substantial Completion thereof.

Supplemental Agreement - A written agreement between the CONTRACTOR and the AUTHORITY covering work that is not within the general scope of the Contract.

Supplementary Conditions - The part of the Contract Documents which amends or supplements these General Conditions.

Supplier - A manufacturer, fabricator, distributor, material man, or vendor of materials or equipment.

Surety - The corporation, partnership, or individual, other than the CONTRACTOR, executing a bond furnished by the CONTRACTOR.

Unit Price Work - Work to be paid for on the basis of unit prices.

Utility - The privately, publicly or cooperatively owned lines, facilities and systems for producing, transmitting or distributing communications, power, electricity, light, heat, gas, oil, crude products, water, steam, waste, storm water not connected with highway or street drainage, and other similar commodities, including publicly owned fire and police signal systems, street lighting systems, and railroads which directly or indirectly serve the public or any part thereof. The term "utility" shall also mean the utility company, inclusive of any wholly owned or controlled subsidiary."

Work - Work is the act of, and the result of, performing services, furnishing labor, furnishing and incorporating materials and equipment into the Project and performing other duties and obligations, all as required by the Contract Documents. Such Work, however incremental, will culminate in the entire completed Project, or the various separately identifiable parts thereof.

ARTICLE 2 – AUTHORIZATION AND LIMITATIONS

2.1 Authorities and Limitations

- 2.1.1 The Contracting Officer alone shall have the power to bind the AUTHORITY and to exercise the rights, responsibilities, authorities and functions vested in the Contracting Officer by the Contract Documents. The Contracting Officer shall have the right to designate in writing authorized representatives to act for him. Wherever any provision of the Contract Documents specifies an individual or organization, whether governmental or private, to perform any act on behalf of or in the interest of the AUTHORITY that individual or organization shall be deemed to be the Contracting Officer's authorized representative under this Contract but only to the extent so specified.
- 2.1.2 The CONTRACTOR shall perform the Work in accordance with any written order (including but not limited to instruction, direction, interpretation or determination) issued by an authorized representative in accordance with the authorized representative's authority to act for the Contracting Officer. The CONTRACTOR assumes all the risk and consequences of performing the Work in accordance with any order (including but not limited to instruction, direction, interpretation or determination) of anyone not authorized to issue such order, and of any order not in writing.
- 2.1.3 The performance or nonperformance of the Contracting Officer or his authorized representative, shall not give rise to any contractual obligation or duty to the CONTRACTOR, any Subcontractor, any Supplier, or any other organization performing any of the Work or any Surety representing them.

2.2 Evaluations by Contracting Officer:

- 2.2.1 The Contracting Officer or his authorized representative will decide all questions which may arise as to:
- a. Quality and acceptability of materials furnished;
 - b. Quality and acceptability of Work performed;
 - c. Compliance with the schedule of progress;
 - d. Interpretation of Contract Documents;
 - e. Acceptable fulfillment of the Contract on the part of the CONTRACTOR.
- 2.2.2 In order to avoid cumbersome terms and confusing repetition of expressions in the Contract Documents the terms "as ordered", "as directed", "as required", "as approved" or terms of like effect or import are used, or the adjectives "reasonable", "suitable", "acceptable", "proper" or "satisfactory" or adjectives of like effect or import are used it shall be understood as if the expression were followed by the words "the Contracting Officer".

When such terms are used to describe a requirement, direction, review or judgment of the Contracting Officer as to the Work, it is intended that such requirement, direction, review or judgment will be solely to evaluate the Work for compliance with the Contract Documents (unless there is a specific statement indicating otherwise).

- 2.2.3 The use of any such term or adjective shall not be effective to assign to the AUTHORITY any duty of authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of paragraphs 2.3 or 2.4.

2.3 Means & Methods:

The means, methods, techniques, sequences or procedures of construction, or safety precautions and the program incident thereto, and the failure to perform or furnish the Work in accordance with the Contract Documents are the sole responsibility of the CONTRACTOR.

2.4 Visits to Site/Place of Business:

The Contracting Officer will make visits to the site and approved remote storage sites at intervals appropriate to the various stages of construction to observe the progress and quality of the executed Work and to determine, in general, if the Work is proceeding in accordance with the Contract Documents. The Contracting Officer may, at reasonable times, inspect that part of the plant or place of business of the CONTRACTOR or Subcontractor that is related to the performance of the Contract. Such observations or the lack of such observations shall in no way relieve the CONTRACTOR from his duty to perform the Work in accordance with the Contract Documents.

ARTICLE 3 - CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE

3.1 Incomplete Contract Documents:

The submission of a bid by the Bidder is considered a representation that the Bidder examined the Contract Documents to make certain that all sheets and pages were provided and that the Bidder is satisfied as to the conditions to be encountered in performing the Work. The AUTHORITY expressly denies any responsibility or liability for a bid submitted on the basis of an incomplete set of Contract Documents.

3.2 Copies of Contract Documents:

The AUTHORITY shall furnish to the CONTRACTOR up to six copies of the Contract Documents. Additional copies will be furnished, upon request, at the cost of reproduction.

3.3 Scope of Work:

The Contract Documents comprise the entire Contract between the AUTHORITY and the CONTRACTOR concerning the Work. The Contract Documents are complementary; what is called for by one is as binding as if called for by all. The Contract Documents will be construed in accordance with the Regulatory Requirements of the place of the Project.

It is specifically agreed between the parties executing this Contract that it is not intended by any of the provisions of the Contract to create in the public or any member thereof a third party benefit, or to authorize anyone not a party to this Contract to maintain a suit pursuant to the terms or provisions of the Contract.

3.4 Intent of Contract Documents:

- 3.4.1 It is the intent of the Contract Documents to describe a functionally complete Project to be constructed in accordance with the Contract Documents. Any Work, materials or equipment that may reasonably be inferred from the Contract Documents as being required to produce the

intended result will be supplied, without any adjustment in Contract Price or Contract Time, whether or not specifically called for.

- 3.4.2 Reference to standard specifications, manuals or codes of any technical society, organization or association, or to the Regulatory Requirements of any governmental authority, whether such reference be specific or by implication, shall mean the edition stated in the Contract Documents or if not stated the latest standard specification, manual, code or Regulatory Requirements in effect at the time of Advertisement for the Project (or, on the Effective Date of the Contract if there was no Advertisement). However, no provision of any referenced standard specification, manual or code (whether or not specifically incorporated by reference in the Contract Documents) shall be effective to change the duties and responsibilities of the AUTHORITY and the CONTRACTOR, or any of their consultants, agents or employees from those set forth in the Contract Documents, nor shall it be effective to assign to the AUTHORITY or any of the AUTHORITY's Consultants, agents or employees, any duty or authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of paragraphs 2.3.

3.5 Discrepancy in Contract Documents:

- 3.5.1 Before undertaking the Work, the CONTRACTOR shall carefully study and compare the Contract Documents and check and verify pertinent figures, and dimensions shown thereon and all applicable field measurements. Work in the area by the CONTRACTOR shall imply verification of figures, dimensions and field measurements. If, during the above study or during the performance of the Work, the CONTRACTOR finds a conflict, error, discrepancy or omission in the Contract Documents, or a discrepancy between the Contract Documents and any standard specification, manual, code, or Regulatory Requirement which affects the Work, the CONTRACTOR shall promptly report such discrepancy in writing to the Contracting Officer. The CONTRACTOR shall obtain a written interpretation or clarification from the Contracting Officer before proceeding with any Work affected thereby. Any adjustment made by the CONTRACTOR without this determination shall be at his own risk and expense. However, the CONTRACTOR shall not be liable to the AUTHORITY for failure to report any conflict, error or discrepancy in the Contract Documents unless the CONTRACTOR had actual knowledge thereof or should reasonably have known thereof.

3.5.2 Discrepancy - Order of Precedence:

When conflicts errors or discrepancies within the Contract Documents exist, the order of precedence from most governing to least governing will be as follows:

- Contents of Addenda
- Supplementary Conditions
- General Conditions General Requirements
- Technical Specifications Drawings
- Recorded dimensions will govern over scaled dimensions
- Large scale details over small scale details
- Schedules over plans
- Architectural drawings over structural drawings
- Structural drawings over mechanical and electrical drawings

3.6 Clarifications and Interpretations:

The Contracting Officer will issue with reasonable promptness such written clarifications or interpretations of the requirements of the Contract Documents as the Contracting Officer may determine necessary, which shall be consistent with or reasonably inferable from the overall intent of the Contract Documents.

3.7 Reuse of Documents:

Neither the CONTRACTOR nor any Subcontractor, or Supplier or other person or organization performing or furnishing any of the Work under a direct or indirect contract with the AUTHORITY shall have or acquire any title to or ownership rights in any of the Contract Documents (or copies thereof) prepared by or for the AUTHORITY and they shall not reuse any of the Contract Documents on extensions of the Project or any other project without written consent of the Contracting Officer.

Contract Documents prepared by the CONTRACTOR in connection with the Work shall become the property of the AUTHORITY.

ARTICLE 4 - LANDS AND PHYSICAL CONDITIONS

4.1 Availability of Lands:

The AUTHORITY shall furnish as indicated in the Contract Documents, the lands upon which the Work is to be performed, rights-of-way and easements for access thereto, and such other lands which are designated for use of the CONTRACTOR in connection with the Work. Easements for permanent structures or permanent changes in existing facilities will be obtained and paid for by the AUTHORITY, unless otherwise provided in the Contract Documents. The CONTRACTOR shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment. The CONTRACTOR shall provide all waste and disposal areas, including disposal areas for hazardous or contaminated materials, at no additional cost to the AUTHORITY.

4.2 Visit to Site:

The submission of a bid by the CONTRACTOR is considered a representation that the CONTRACTOR has visited and carefully examined the site and is satisfied as to the conditions to be encountered in performing the Work and as to the requirements of the Contract Documents.

4.3 Explorations and Reports:

Reference is made to the Supplementary Conditions for identification of those reports of explorations and tests of subsurface conditions at the site that have been utilized by the AUTHORITY in preparation of the Contract Documents. The CONTRACTOR may for his purposes rely upon the accuracy of the factual data contained in such reports, but not upon interpretations or opinions drawn from such factual data contained therein or for the completeness or sufficiency thereof. Except as indicated in the immediately preceding sentence and in paragraphs:

4.4 And 9.9, CONTRACTOR shall have full responsibility with respect to surface and subsurface conditions at the site.

4.4 Utilities:

- 4.4.1 The horizontal and vertical locations of known underground utilities as shown or indicated by the Contract Documents are approximate and are based on information and data furnished to the AUTHORITY by the owners of such underground utilities.
- 4.4.2 The CONTRACTOR shall have full responsibility for:
- a. Reviewing and checking all information and data concerning utilities.
 - b. Locating all underground utilities shown or indicated in the Contract Documents which are affected by the Work.
 - c. Coordination of the Work with the owners of all utilities during construction.
 - d. Safety and protection of all utilities as provided in paragraph 6.17.
 - e. Repair of any damage to utilities resulting from the Work in accordance with 4.4.4 and 4.5.
- 4.4.3 If Work is to be performed by any utility owner, the CONTRACTOR shall cooperate with such owners to facilitate the Work.
- 4.4.4 In the event of interruption to any utility service as a result of accidental breakage or as result of being exposed or unsupported, the CONTRACTOR shall promptly notify the utility owner and the Project Manager. If service is interrupted, repair work shall be continuous until the service is restored. No Work shall be undertaken around fire hydrants until provisions for continued service has been approved by the local fire authority.

4.5 Damaged Utilities:

When utilities are damaged by the CONTRACTOR, the utility owner shall have the choice of repairing the utility or having the CONTRACTOR repair the utility. In the following circumstances, the CONTRACTOR shall reimburse the utility owner for repair costs or provide at no cost to the utility owner or the AUTHORITY, all materials, equipment and labor necessary to complete repair of the damage:

- a. When the utility is shown or indicated in the Contract Documents.
- b. When the utility has been located by the utility owner.
- c. When no locate was requested by the CONTRACTOR for utilities shown or indicated in the Contract Documents.
- d. All visible utilities.
- e. When the CONTRACTOR could have, otherwise, reasonably been expected to be aware of such utility.

4.6 Utilities Not Shown or Indicated:

If, while directly performing the Work, an underground utility is uncovered or revealed at the site which was not shown or indicated in the Contract Documents and which the CONTRACTOR could not reasonably have been expected to be aware of, the CONTRACTOR shall, promptly after

becoming aware thereof and before performing any Work affected thereby (except in an emergency as permitted by paragraph 6.19) identify the owner of such underground utility and give written notice thereof to that owner and to the Project Manager. The Project Manager will promptly review the underground utility to determine the extent to which the Contract Documents and the Work should be modified to reflect the impacts of the discovered utility. The Contract Documents will be amended or supplemented in accordance with paragraph 9.2 and to the extent necessary through the issuance of a change document by the Contracting Officer. During such time, the CONTRACTOR shall be responsible for the safety and protection of such underground utility as provided in paragraph 6.17. The CONTRACTOR may be allowed an increase in the Contract Price or an extension of the Contract Time, or both, to the extent that they are directly attributable to the existence of any underground utility that was not shown or indicated in the Contract Documents and which the CONTRACTOR could not reasonably have been expected to be aware of.

4.7 Survey Control:

The AUTHORITY will identify sufficient horizontal and vertical control data to enable the CONTRACTOR to survey and layout the Work. All survey work shall be performed under the direct supervision of a registered land surveyor when required by paragraph 7.8. Copies of all survey notes shall be provided to the AUTHORITY at an interval determined by the Project Manager. The Project Manager may request submission on a weekly or longer period at his discretion. Any variations between the Contract Documents and actual field conditions shall be identified in the survey notes. Survey notes are to be in a format acceptable to the AUTHORITY.

ARTICLE 5 - BONDS, INSURANCE, AND INDEMNIFICATION

5.1 Delivery of Bonds:

When the CONTRACTOR delivers the executed Contract to the Contracting Officer the CONTRACTOR shall also deliver to the Contracting Officer such bonds as the CONTRACTOR may be required to furnish in accordance with paragraph 5.2.

5.2 Bonds:

5.2.1 The CONTRACTOR shall furnish Performance and Payment Bonds, each in an amount as shown on the Contract as security for the faithful performance and payment of all CONTRACTOR's obligations under the Contract Documents. These bonds shall remain in effect for one year after the date of Final Acceptance and until all obligations under this Contract, except special guarantees as per 12.7, have been met. All bonds shall be furnished on forms provided by the AUTHORITY (or copies thereof) and shall be executed by such Sureties as are authorized to do business in the State of Alaska. The Contracting Officer may at his option copy the Surety with notice of any potential default or liability.

5.3 Replacement of Bond and Surety:

If the Surety on any bond furnished in connection with this Contract is declared bankrupt or becomes insolvent or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirements of paragraph 5.2, or otherwise becomes unacceptable to the AUTHORITY, or if any such Surety fails to furnish reports as to his financial condition as requested by the AUTHORITY, the CONTRACTOR shall within five days thereafter substitute another bond and Surety, both of which must be acceptable to AUTHORITY.

An individual Surety may be replaced by a corporate Surety during the course of the Contract period. If the Surety desires to dispose of the collateral posted, the AUTHORITY may, at its option, accept substitute collateral.

5.4 Insurance Requirements:

- 5.4.1 The CONTRACTOR shall provide evidence of insurance with a carrier or carriers satisfactory to the AUTHORITY covering injury to persons and/or property suffered by the Alaska Industrial Development and Export Authority or a third party, as a result of operations which arise both out of and during the course of this Contract by the CONTRACTOR or by any Subcontractor. This coverage will also provide protection against injuries to all employees of the CONTRACTOR and the employees of any Subcontractor engaged in Work under this Contract.
- 5.4.2 The CONTRACTOR shall maintain in force at all times during the performance of Work under this agreement the following policies and minimum limits of liability. Where specific limits and coverages are shown, it is understood that they shall be the minimum acceptable. The requirements of this paragraph shall not limit the CONTRACTOR's responsibility to indemnify under paragraph 5.5. Additional insurance requirements specific to this Contract are contained in the Supplementary Conditions, when applicable.
- a. Workers' Compensation Insurance: The Contractor shall provide and maintain, for all employees of the Contractor engaged in work under this contract, Workers' Compensation Insurance as required by AS 23.30.045. The Contractor shall be responsible for Workers' Compensation Insurance for any subcontractor who provides services under this contract, to include:
1. Waiver of subrogation against the Authority and Employer's Liability Protection in the amount of \$500,000 each accident/\$500,000 each disease.
 2. If the Contractor directly utilizes labor outside of the State of Alaska in the prosecution of the work, "Other States" endorsement shall be required as a condition of the contract.
 3. Whenever the work involves activity on or about navigable waters, the Workers' Compensation policy shall contain a United States Longshoreman's and Harbor Worker's Act endorsement, and when appropriate, a Maritime Employer's Liability (Jones Act) endorsement with a minimum limit of \$1,000,000.
- b. Commercial General Liability Insurance: on an occurrence policy form covering all operations by or on behalf of the CONTRACTOR with combined single limits not less than:
1. If the CONTRACTOR carries a *Comprehensive General Liability* policy, the limits of liability shall not be less than a Combined Single Limit for bodily injury, property damage and Personal Injury Liability of:
\$1,000,000 each occurrence
\$2,000,000 aggregate
 2. If the CONTRACTOR carries a *Commercial General Liability* policy, the limits of liability shall not be less than:
\$1,000,000 each occurrence (Combined Single Limit for bodily injury and property damage)

\$1,000,000 for Personal Injury Liability

\$2,000,000 aggregate for Products-Completed Operations

\$2,000,000 general aggregate

The Authority and the Owner shall be named as "Additional Insured" under all liability coverages listed above.

- c. Automobile Liability Insurance: covering all vehicles used by the Contractor in the performance of services under this agreement with combined single limits not less than:

\$1,000,000 each occurrence

- d. Builder's Risk Insurance: Coverage shall be on an "All Risk" completed value basis including "quake and flood" and protect the interests of the AUTHORITY, the CONTRACTOR and Subcontractors at all tiers. Coverage shall include all materials, supplies and equipment that are intended for specific installation in the Project while such materials, supplies and equipment are located at the Project site, in transit from port of arrival to job site, or while temporarily located away from the Project site.

In addition to providing the above coverages the CONTRACTOR shall require that all indemnities obtained from any SUBCONTRACTORS be extended to include the Authority and Owner as an additional named indemnitees. CONTRACTOR shall further require that the Authority and the Owner be named as additional insured on all liability insurance policies maintained by all SUBCONTRACTORS under their contracts with CONTRACTOR, and that an appropriate waiver of subrogation in favor of the Authority be obtained with respect to all other insurance policies.

- e. Other Coverages: As specified in the Supplementary Conditions, if required.

- 5.4.3 a. In addition to providing the above coverages the Contractor shall, in any contract or agreement with subcontractors performing work, require that all indemnities and waivers of subrogation it obtains, and that any stipulation to be named as an additional insured it obtains, also be extended to waive rights of subrogation against the AUTHORITY and the Owner and to add the ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY and the Owner as additional named indemnitees and as additional insured.

- b. Evidence of insurance shall be furnished to the AUTHORITY prior to the award of the contract. Such evidence, executed by the carrier's representative and issued to the AUTHORITY, shall consist of a certificate of insurance or the policy declaration page with required endorsements attached thereto which denote the type, amount, class of operations covered, effective (and retroactive) dates, and dates of expiration. Acceptance by the AUTHORITY of deficient evidence does not constitute a waiver of contract requirements.

- c. When a certificate of insurance is furnished, it shall contain the following statement: "This is to certify that the policies described herein comply with all aspects of the insurance requirements of (Project Name and Number)."

5.5 Indemnification:

The CONTRACTOR shall indemnify, save harmless, and defend the AUTHORITY, the

OWNER its agents and its employees from any and all claims, actions, or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from the CONTRACTOR or SUBCONTRACTOR's performance of WORK under this Contract; however, this provision has no effect if, but only if, the sole proximate cause of the injury or damage is the AUTHORITY's negligence.

ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

6.1 Supervision of Work:

The CONTRACTOR shall supervise and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. All Work under this Contract shall be performed in a skillful and workmanlike manner. The CONTRACTOR shall be solely responsible for the means, methods, techniques, sequences and procedures of construction.

6.2 Superintendence by CONTRACTOR:

The CONTRACTOR shall keep on the Work at all times during its progress a competent resident superintendent. The Project Manager shall be advised in writing of the superintendent's name, local address, and telephone number. This written advice is to be kept current until Final Acceptance by the AUTHORITY. The superintendent will be the CONTRACTOR's representative at the site and shall have full authority to act and sign documents on behalf of the CONTRACTOR.

All communications given to the superintendent shall be as binding as if given to the CONTRACTOR. The CONTRACTOR shall cooperate with the Project Manager in every way possible.

6.3 Character of Workers:

The CONTRACTOR shall provide a sufficient number of competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. The CONTRACTOR shall at all times maintain good discipline and order at the site. The Project Manager may, in writing, require the CONTRACTOR to remove from the Work any employee the Project Manager deems incompetent, careless, or otherwise detrimental to the progress of the Work, but the Project Manager shall have no duty to exercise this right.

6.4 CONTRACTOR to Furnish:

Unless otherwise specified in the General Requirements, the CONTRACTOR shall furnish and assume full responsibility for all materials, equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities and all other facilities and incidentals necessary for the furnishing, performance testing, start-up and completion of the Work.

6.5 Materials and Equipment:

All materials and equipment shall be of specified quality and new, except as otherwise provided in the Contract Documents. If required by the Project Manager, the CONTRACTOR shall furnish satisfactory evidence (including reports of required tests) as to the kind and quality of materials and equipment. All materials and equipment shall be applied, installed, connected, erected, used, cleaned, and conditioned in accordance with the instructions of the applicable Supplier except as otherwise provided in the Contract Documents; but no provision of any such instructions will be

effective to assign to the AUTHORITY or any of the AUTHORITY's consultants, agents or employees, any duty or authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of paragraph 2.3.

6.6 Anticipated Schedules:

- 6.6.1 Prior to submitting the CONTRACTOR's first Application for Payment the CONTRACTOR shall submit to the Project Manager for review an anticipated progress schedule indicating the starting and completion dates of the various stages of the Work.
- 6.6.2 Prior to submitting the CONTRACTOR's first Application for Payment, the CONTRACTOR shall submit to the Project Manager for review:

Anticipated schedule of Shop Drawing submissions; and

Anticipated Schedule of Values for all of the Work which will include quantities and prices of items aggregating the Contract Price and will subdivide the Work into component parts in sufficient detail to serve as the basis for progress payments during construction. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work which will be confirmed in writing by the CONTRACTOR at the time of submission.

6.7 Finalizing Schedules:

Prior to processing the first Application for Payment the Project Manager and the CONTRACTOR will finalize schedules required by paragraph 6.6. The finalized progress schedule will be acceptable to the AUTHORITY as providing information related to the orderly progression of the Work to completion within the Contract Time; but such acceptance will neither impose on the AUTHORITY nor relieve the CONTRACTOR from full responsibility for the progress or scheduling of the Work. If accepted, the finalized schedule of Shop Drawing and other required submissions will be acknowledgment by the AUTHORITY as providing a workable arrangement for processing the submissions. If accepted, the finalized Schedule of Values will be acknowledgment by the AUTHORITY as an approximation of anticipated value of Work accomplished over the anticipated Contract Time. Receipt and acceptance of a schedule submitted by the CONTRACTOR shall not be construed to assign responsibility for performance or contingencies to the AUTHORITY or relieve the CONTRACTOR of his responsibility to adjust his forces, equipment, and work schedules as may be necessary to insure completion of the Work within prescribed Contract Time. Should the prosecution of the Work be discontinued for any reason, the CONTRACTOR shall notify the Project Manager at least 24 hours in advance of resuming operations.

6.8 Adjusting Schedules:

Upon substantial changes to the schedule or upon request the CONTRACTOR shall submit to the Project Manager for acceptance (to the extent indicated in paragraph 6.7 and the General Requirements) adjustments in the schedules to reflect the actual present and anticipated progress of the Work.

6.9 Substitutes or "Or-Equal" Items:

- 6.9.1 Whenever materials or equipment are specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier the naming of the item is intended to establish the type, function and quality required. Unless the name is followed by

words indicating that substitution is limited or not permitted, materials or equipment of other Suppliers may be accepted by the Project Manager only if sufficient information is submitted by the CONTRACTOR which clearly demonstrates to the Project Manager that the material or equipment proposed is equivalent or equal in all aspects to that named. The procedure for review by the Project Manager will include the following as supplemented in the General Requirements.

- 6.9.2 Requests for review of substitute items of material and equipment will not be accepted by the Project Manager from anyone other than the CONTRACTOR.
- 6.9.3 If the CONTRACTOR wishes to furnish or use a substitute item of material or equipment, the CONTRACTOR shall make written application to the Project Manager for Approval thereof, certifying that the proposed substitute will perform adequately the functions and achieve the results called for by the general design, be similar and of equal substance to that specified and be suited to the same use as the specified. The application will state that the evaluation and Approval of the proposed substitute will not delay the CONTRACTOR's timely achievement of Substantial or Final Completion, whether or not acceptance of the substitute for use in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with the AUTHORITY for Work on the Project) to adapt the design to the proposed substitute and whether or not incorporation or use of the substitute in connection with the Work is subject to payment of any license fee or royalty.
- 6.9.4 All variations of the proposed substitute from that specified will be identified in the application and available maintenance, repair and replacement service will be indicated. The application will also contain an itemized estimate of all costs that will result directly or indirectly from acceptance of such substitute, including costs of redesign and claims of other contractors affected by the resulting change, all of which shall be considered by the AUTHORITY in evaluating the proposed substitute. The AUTHORITY may require the CONTRACTOR to furnish at the CONTRACTOR's expense additional data about the proposed substitute. The Project Manager may reject any substitution request which the Project Manager determines is not in the best interest of the OWNER.
- 6.9.5 Substitutions shall be permitted during or after the bid period as allowed and in accordance with Document 00 02 00 - Invitation for Bids, Document 00 70 00 – General Conditions, and Document 01 60 00 – Materials and Equipment.

6.10 Substitute Means and Methods:

If a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract Documents, the CONTRACTOR may furnish or utilize a substitute means, method, sequence, technique or procedure of construction acceptable to the Project Manager, if the CONTRACTOR submits sufficient information to allow the Project Manager to determine that the substitute proposed is equivalent to that indicated or required by the Contract Documents. The procedure for review by the Project Manager will be similar to that provided in paragraph 6.9 as applied by the Project Manager and as may be supplemented in the General Requirements.

6.11 Evaluation of Substitution:

The Project Manager will be allowed a reasonable time within which to evaluate each proposed substitute. The Project Manager will be the sole judge of acceptability, and no substitute will be ordered, installed or utilized without the Contracting Officer's prior written Approval which will be evidenced by either a Change Order or a Shop Drawing Approved in accordance with Sections:

6.20 and 6.21. The Contracting Officer may require the CONTRACTOR to furnish at the

CONTRACTOR's expense a special performance guarantee or other Surety with respect to any substitute.

6.12 Dividing the Work:

The divisions and sections of the Specifications and the identifications of any Drawings shall not control the CONTRACTOR in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.

6.13 Subcontractors:

The CONTRACTOR may utilize the services of appropriately licensed Subcontractors on those parts of the Work which, under normal contracting practices, are performed by Subcontractors, in accordance with the following conditions:

- 6.13.1 The CONTRACTOR shall not award any Work to any Subcontractor without prior written Approval of the Contracting Officer. This Approval will not be given until the CONTRACTOR submits to the Contracting Officer a written statement concerning the proposed award to the Subcontractor which shall contain required Equal Employment Opportunity documents, evidence of insurance whose limits are acceptable to the CONTRACTOR, and an executed copy of the subcontract. All subcontracts shall contain provisions for prompt payment, release of retainage, and interest on late payment amounts and retainage as specified in AS 36.90.210. Contracts between subcontractors, regardless of tier, must also contain these provisions.
- 6.13.2 The CONTRACTOR shall be fully responsible to the AUTHORITY for all acts and omissions of the Subcontractors, Suppliers and other persons and organizations performing or furnishing any of the Work under a direct or indirect contract with CONTRACTOR just as CONTRACTOR is responsible for CONTRACTOR's own acts and omissions.
- 6.13.3 All Work performed for CONTRACTOR by a Subcontractor will be pursuant to an appropriate written agreement between CONTRACTOR and the Subcontractor which specifically binds the Subcontractor to the applicable terms and conditions of the Contract Documents for the benefit of the AUTHORITY and contains waiver provisions as required by paragraph 13.17 and termination provisions as required by Article 14.
- 6.13.4 Nothing in the Contract Documents shall create any contractual relationship between the AUTHORITY and any such Subcontractor, Supplier or other person or organization, nor shall it create any obligation on the part of the AUTHORITY to pay or to see to the payment of any moneys due any such Subcontractor, Supplier or other person or organization except as may otherwise be required by Regulatory Requirements. The AUTHORITY will not undertake to settle any differences between or among the CONTRACTOR, Subcontractors, or Suppliers.
- 6.13.5 The CONTRACTOR and Subcontractors shall coordinate their work and cooperate with other trades so to facilitate general progress of Work. Each trade shall afford other trades every reasonable opportunity for installation of their work and storage of materials. If cooperative work of one trade must be altered due to lack of proper supervision or failure to make proper provisions in time by another trade, such conditions shall be remedied by the CONTRACTOR with no change in Contract Price or Contract Time.

6.13.6 The CONTRACTOR shall include on his own payrolls any person or persons working on this Contract who are not covered by written subcontract, and shall ensure that all Subcontractors include on their payrolls all persons performing Work under the direction of the Subcontractor.

6.14 Use of Premises:

The CONTRACTOR shall confine construction equipment, the storage of materials and equipment and the operations of workers to the Project limits and approved remote storage sites and lands and areas identified in and permitted by Regulatory Requirements, rights-of-way, permits and easements, and shall not unreasonably encumber the premises with construction equipment or other materials or equipment. The CONTRACTOR shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof or of any land or areas contiguous thereto, resulting from the performance of the Work. Should any claim be made against the AUTHORITY by any such owner or occupant because of the performance of the Work, the CONTRACTOR shall hold the AUTHORITY harmless.

6.15 Structural Loading:

The CONTRACTOR shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall the CONTRACTOR subject any part of the Work or adjacent property to stresses or pressures that will endanger it.

6.16 Record Documents:

The CONTRACTOR shall maintain in a safe place at the site one record copy of all Drawings, Specifications, Addenda, Directives, Change Orders, Supplemental Agreements, and written interpretations and clarifications (issued pursuant to paragraph 3.6) in good order and annotated to show all changes made during construction. These record documents together with all Approved samples and a counterpart of all Approved Shop Drawings will be available to the Project Manager for reference and copying. Upon completion of the Work, the annotated record documents, samples and Shop Drawings will be delivered to the Project Manager. Record documents shall accurately record variations in the Work which vary from requirements shown or indicated in the Contract Documents.

6.17 Safety and Protection:

The CONTRACTOR alone shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. The CONTRACTOR shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:

6.17.1 All employees on the Work and other persons and organizations who may be affected thereby;

6.17.2 All the Work and materials and equipment to be incorporated therein, whether in storage on or off the site; and

6.17.3 Other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation or replacement in the course of construction.

The CONTRACTOR shall comply with all applicable Regulatory Requirements of any public body having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss; and shall erect and maintain all necessary safeguards for such safety and protection. The

CONTRACTOR shall notify owners of adjacent property and utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation and replacement of their property. All damage, injury or loss to any property caused, directly or indirectly, in whole or in part, by the CONTRACTOR, any Subcontractor, Supplier or any other person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, shall be remedied by the CONTRACTOR with no change in Contract Price or Contract Time except as stated in 4.6, except damage or loss attributable to unforeseeable causes beyond the control of and without the fault or negligence of the CONTRACTOR, including but not restricted to acts of God, of the public enemy or governmental authorities. The CONTRACTOR's duties and responsibilities for the safety and protection of the Work shall continue until Final Acceptance (except as otherwise expressly provided in connection with Substantial Completion).

6.18 Safety Representative:

The CONTRACTOR shall designate a responsible safety representative at the site. This person shall be the CONTRACTOR's superintendent unless otherwise designated in writing by the CONTRACTOR to the Project Manager.

6.19 Emergencies:

In emergencies affecting the safety or protection of persons or the Work or property at the site or adjacent thereto, the CONTRACTOR, without special instruction or authorization from the AUTHORITY, is obligated to act to prevent threatened damage, injury or loss. The CONTRACTOR shall give the Project Manager prompt written notice if the CONTRACTOR believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby. If the AUTHORITY determines that a change in the Contract Documents is required because of the action taken in response to an emergency, a change will be authorized by one of the methods indicated in Paragraph 9.2, as determined appropriate by the Project Manager.

6.20 Shop Drawings and Samples:

6.20.1 After checking and verifying all field measurements and after complying with applicable procedures specified in the General Requirements, the CONTRACTOR shall submit to the Project Manager for review and Approval in accordance with the accepted schedule of Shop Drawing submissions the required number of all Shop Drawings, which will bear a stamp or specific written indication that the CONTRACTOR has satisfied CONTRACTOR's responsibilities under the Contract Documents with respect to the review of the submission. All submissions will be identified as the Project Manager may require. The data shown on the Shop Drawings will be complete with respect to quantities, dimensions, specified performance and design criteria, materials and similar data to enable the Project Manager to review the information as required.

6.20.2 The CONTRACTOR shall also submit to the Project Manager for review and Approval with such promptness as to cause no delay in Work, all samples required by the Contract Documents. All samples will have been checked by and accompanied by a specific written indication that the CONTRACTOR has satisfied CONTRACTOR's responsibilities under the Contract Documents with respect to the review of the submission and will be identified clearly as to material, Supplier, pertinent data such as catalog numbers and the use for which intended.

6.20.3 Before submission of each Shop Drawing or sample the CONTRACTOR shall have determined and verified all quantities, dimensions, specified performance criteria, installation

requirements, materials, catalog numbers and similar data with respect thereto and reviewed or coordinated each Shop Drawing or sample with other Shop Drawings and samples and with the requirements of the Work and the Contract Documents.

6.20.4 At the time of each submission the CONTRACTOR shall give the Project Manager specific written notice of each variation that the Shop Drawings or samples may have from the requirements of the Contract Documents, and, in addition, shall cause a specific notation to be made on each Shop Drawing submitted to the Project Manager for review and Approval of each such variation. All variations of the proposed Shop Drawing from that specified will be identified in the submission and available maintenance, repair and replacement service will be indicated. The submittal will also contain an itemized estimate of all costs that will result directly or indirectly from acceptance of such variation, including costs of redesign and claims of other Contractors affected by the resulting change, all of which shall be considered by the AUTHORITY in evaluating the proposed variation. If the variation may result in a change of Contract Time or Price, or Contract responsibility, and is not minor in nature; the CONTRACTOR must submit a written request for Change Order with the variation to notify the AUTHORITY of his intent. The AUTHORITY may require the CONTRACTOR to furnish at the CONTRACTOR's expense additional data about the proposed variation. The Project Manager may reject any variation request which the Project Manager determines is not in the best interest of the AUTHORITY.

6.21 Shop Drawing and Sample Review:

6.21.1 The Project Manager will review with reasonable promptness Shop Drawings and samples, but the Project Manager's review will be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents and shall not extend to means, methods, techniques, sequences or procedures of construction (except where a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract Documents) or to safety precautions or programs incident thereto. The review of a separate item as such will not indicate acceptance of the assembly in which the item functions. The CONTRACTOR shall make corrections required by the Project Manager and shall return the required number of corrected copies of Shop Drawings and submit as required new samples for review. The CONTRACTOR shall direct specific attention in writing to revisions other than the corrections called for by the Project Manager on previous submittals.

6.21.2 The Project Manager's review of Shop Drawings or samples shall not relieve CONTRACTOR from responsibility for any variation from the requirements of the Contract Documents unless the CONTRACTOR has in writing advised the Project Manager of each such variation at the time of submission as required by paragraph 6.20.4. The Contracting Officer if he so determines, may give written Approval of each such variation by Change Order, except that, if the variation is minor and no Change Order has been requested a specific written notation thereof incorporated in or accompanying the Shop Drawing or sample review comments shall suffice as a modification. Approval by the Contracting Officer will not relieve the CONTRACTOR from responsibility for errors or omissions in the Shop Drawings or from responsibility for having complied with the provisions of paragraph 6.20.3.

6.21.3 The AUTHORITY shall be responsible for all AUTHORITY review costs resulting from the initial submission and the resubmittal. The CONTRACTOR shall, at the discretion of the AUTHORITY, pay all review costs incurred by the AUTHORITY as a result of any additional re-submittals.

6.21.4 Where a Shop Drawing or sample is required by the Specifications, any related Work performed prior to the Project Manager's review and Approval of the pertinent submission will be the sole expense and responsibility of the CONTRACTOR.

6.22 Maintenance During Construction:

The CONTRACTOR shall maintain the Work during construction and until Substantial Completion, at which time the responsibility for maintenance shall be established in accordance with paragraph 13.10.

6.23 Continuing the Work:

The CONTRACTOR shall carry on the Work and adhere to the progress schedule during all disputes or disagreements with the AUTHORITY. No Work shall be delayed or postponed pending resolution of any disputes, disagreements, or claims except as the CONTRACTOR and the Contracting Officer may otherwise agree in writing.

6.24 Consent to Assignment:

The CONTRACTOR shall obtain the prior written consent of the Contracting Officer to any proposed assignment of any interest in, or part of this Contract. The consent to any assignment or transfer shall not operate to relieve the CONTRACTOR or his Sureties of any of his or its obligations under this Contract or the Performance Bonds. Nothing herein contained shall be construed to hinder, prevent, or affect an assignment of monies due, or to become due hereunder, made for the benefit of the CONTRACTOR's creditors pursuant to law.

6.25 Use of Explosives:

6.25.1 When the use of explosives is necessary for the prosecution of the Work, the CONTRACTOR shall exercise the utmost care not to endanger life or property, including new Work and shall follow all Regulatory Requirements applicable to the use of explosives. The CONTRACTOR shall be responsible for all damage resulting from the use of explosives.

6.25.2 All explosives shall be stored in a secure manner in compliance with all Regulatory Requirements, and all such storage places shall be clearly marked. Where no Regulatory Requirements apply, safe storage shall be provided not closer than 1,000 feet from any building, camping area, or place of human occupancy.

6.25.3 The CONTRACTOR shall notify each public utility owner having structures in proximity to the site of his intention to use explosives. Such notice shall be given sufficiently in advance to enable utility owners to take such steps as they may deem necessary to protect their property from injury. However, the CONTRACTOR shall be responsible for all damage resulting from the use of the explosives, whether or not, utility owners act to protect their property.

6.26 CONTRACTOR's Records:

6.26.1 Records of the CONTRACTOR and Subcontractors relating to personnel, payrolls, invoices of materials, and any and all other data relevant to the performance of this Contract, must be kept on a generally recognized accounting system. Such records must be available during normal work hours to the Contracting Officer for purposes of investigation to ascertain compliance with Regulatory Requirements and provisions of the Contract Documents.

- 6.26.2 Payroll records must contain the name and address of each employee, his correct classification, rate of pay, daily and weekly number of hours of work, deductions made, and actual wages paid. The CONTRACTOR and Subcontractors shall make employment records available for inspection by the Contracting Officer and representatives of the U.S. and/or State Department of Labor and will permit such representatives to interview employees during working hours on the Project.
- 6.26.3 Records of all communications between the AUTHORITY and the CONTRACTOR and other parties, where such communications affected performance of this Contract, must be kept by the CONTRACTOR and maintained for a period of three years from Final Acceptance. The AUTHORITY or its assigned representative may perform an audit of these records during normal work hours after written notice to the CONTRACTOR.

6.27 Load Restrictions

The CONTRACTOR shall comply with all load restrictions as set forth in the "Administrative Permit Manual", and Title 17, Chapter 25, of the Alaska Administrative Code in the hauling of materials on public roads, beyond the limits of the project, and on all public roads within the project limits that are scheduled to remain in use upon completion of the project.

Overload permits may, at the discretion of the State, be issued for travel beyond the project limits for purposes of mobilization and/or demobilization. Issuance of such a permit will not relieve the CONTRACTOR of liability for damage which may result from the moving of equipment.

The operation of equipment of such weight or so loaded as to cause damage to any type of construction will not be permitted. No overloads will be permitted on the base course or surface course under construction. No loads will be permitted on a concrete pavement, base or structure before the expiration of the curing period. The CONTRACTOR shall be responsible for all damage done by his equipment.

ARTICLE 7 - LAWS AND REGULATIONS

7.1 Laws to be Observed

The CONTRACTOR shall keep fully informed of all federal and state Regulatory Requirements and all orders and decrees of bodies or tribunals having any jurisdiction or authority, which in any manner affect those engaged or employed on the Work, or which in any way affect the conduct of the Work. The CONTRACTOR shall at all times observe and comply with all such Regulatory Requirements, orders and decrees; and shall protect and indemnify the AUTHORITY and its representatives against claim or liability arising from or based on the violation of any such Regulatory Requirement, order, or decree whether by the CONTRACTOR, Subcontractor, or any employee of either. Except where otherwise expressly required by applicable Regulatory Requirements, the AUTHORITY shall not be responsible for monitoring CONTRACTOR's compliance with any Regulatory Requirements.

7.2 Permits, Licenses, and Taxes

- 7.2.1 The CONTRACTOR shall procure all permits and licenses, pay all charges, fees and taxes, and give all notices necessary and incidental to the due and lawful prosecution of the Work. As a condition of performance of this Contract, the CONTRACTOR shall pay all federal, state and local taxes incurred by the CONTRACTOR, in the performance of this Contract. Proof of

payment of these taxes is a condition precedent to final payment by the AUTHORITY under this Contract.

- 7.2.2 The CONTRACTOR's certification that taxes have been paid (as contained in the *Release of Contract*) will be verified with the Department of Revenue and Department of Labor, prior to final payment.
- 7.2.3 If any federal, state or local tax is imposed, charged, or repealed after the date of bid opening and is made applicable to and paid by the CONTRACTOR on the articles or supplies herein contracted for, then the Contract shall be increased or decreased accordingly by a Change Order.

7.3 Patented Devices, Materials and Processes

If the CONTRACTOR employs any design, device, material, or process covered by letters of patent, trademark or copyright, the CONTRACTOR shall provide for such use by suitable legal agreement with the patentee or owner. The CONTRACTOR and the Surety shall indemnify and save harmless the AUTHORITY, any affected third party, or political subdivision from any and all claims for infringement by reason of the use of any such patented design, device, material or process, or any trademark or copyright, and shall indemnify the AUTHORITY for any costs, expenses, and damages which it may be obliged to pay by reason of any infringement, at any time during the prosecution or after the completion of the Work.

7.4 Compliance of Specifications and Drawings:

If the CONTRACTOR observes that the Specifications and Drawings supplied by the AUTHORITY are at variance with any Regulatory Requirements, CONTRACTOR shall give the Project Manager prompt written notice thereof, and any necessary changes will be authorized by one of the methods indicated in paragraph 9.2. as determined appropriate by the Project Manager. If the CONTRACTOR performs any Work knowing or having reason to know that it is contrary to such Regulatory Requirements, and without such notice to the Project Manager, the CONTRACTOR shall bear all costs arising there from; however, it shall not be the CONTRACTOR's primary responsibility to make certain that the Specifications and Drawings supplied by the AUTHORITY are in accordance with such Regulatory Requirements.

7.5 Accident Prevention:

The CONTRACTOR shall comply with AS 18.60.075 and all pertinent provisions of the Construction Code Occupational Safety and Health Standards issued by the Alaska Department of Labor.

7.6 Sanitary Provisions:

The CONTRACTOR shall provide and maintain in a neat and sanitary condition such accommodations for the use of his employees and AUTHORITY representatives as may be necessary to comply with the requirements of the State and local Boards of Health, or of other bodies or tribunals having jurisdiction.

7.7 Business Registration:

Comply with AS 08.18.011, as follows: "it is unlawful for a person to submit a bid or work as a contractor until he has been issued a certificate of registration by the Department of Commerce. A

partnership or joint venture shall be considered registered if one of the general partners or ventures whose name appears in the name under which the partnership or venture does business is registered."

7.8 Professional Registration and Certification:

All craft trades, architects, engineers and land surveyors, electrical administrators, and explosive handlers employed under the Contract shall specifically comply with applicable provisions of AS 08.18, 08.48, 08.40, and 08.52. Provide copies of individual licenses within seven days following a request from the Contracting Officer.

7.9 Local Building Codes:

The CONTRACTOR shall comply with AS 35.10.025 which requires construction in accordance with applicable local building codes to include the obtaining of required permits.

7.10 Air Quality Control:

The CONTRACTOR shall comply with all applicable provisions of AS 46.03.04 as pertains to Air Pollution Control.

7.11 Archaeological or Paleontological Discoveries:

When the CONTRACTOR's operation encounters prehistoric artifacts, burials, remains of dwelling sites, or paleontological remains, such as shell heaps, land or sea mammal bones or tusks, the CONTRACTOR shall cease operations immediately and notify the Project Manager. No artifacts or specimens shall be further disturbed or removed from the ground and no further operations shall be performed at the site until so directed. Should the Contracting Officer order suspension of the CONTRACTOR's operations in order to protect an archaeological or historical finding, or order the CONTRACTOR to perform extra Work, such shall be covered by an appropriate Contract change document.

7.12 Applicable Alaska Preferences: Not Applicable.

7.13 Preferential Employment: Not Applicable.

7.14 Wages and Hours of Labor:

7.14.1 One certified copy of all payrolls shall be submitted weekly to the State Department of Labor and, upon request, to the Contracting Officer to assure to assure compliance with AS 36.05.040, *Filing Schedule of Employees Wages Paid and Other Information*. The CONTRACTOR shall be responsible for the submission of certified copies of payrolls of all Subcontractors. The certification shall affirm that the payrolls are current and complete, that the wage rates contained therein are not less than the applicable rates referenced in these Contract Documents, and that the classification set forth for each laborer or mechanic conforms to the Work performed. The CONTRACTOR and his Subcontractors shall attend all hearings and conferences and produce such books, papers, and documents all as requested by the Department of Labor. Should federal funds be involved, the appropriate federal agency shall also receive a copy of the CONTRACTOR's certified payrolls. Regardless of project funding source, copies of all certified payrolls supplied to the State Department of Labor by the CONTRACTOR shall be supplied also to the Project Manager upon request, including submittals made by, or on behalf of, subcontractors.

7.14.2 The following labor provisions shall also apply to this Contract:

- a. The CONTRACTOR and his Subcontractors shall pay all employees unconditionally and not less than once a week;
- b. wages may not be less than those stated under AS 36.05.010, regardless of the contractual relationship between the CONTRACTOR or Subcontractors and laborers, mechanics, or field surveyors;
- c. the scale of wages to be paid shall be posted by the CONTRACTOR in a prominent and easily accessible place at the site of the Work;
- d. the AUTHORITY shall withhold so much of the accrued payments as is necessary to pay to laborers, mechanics, or field surveyors employed by the CONTRACTOR or Subcontractors the difference between
 1. the rates of wages required by the Contract to be paid laborers, mechanics, or field surveyors on the Work, and
 2. the rates of wages in fact received by laborers, mechanics or field surveyors.

7.14.3 Within three calendar days of award of a construction contract, the CONTRACTOR shall file a "Notice of Work" with the Department of Labor and shall pay all related fees. The Contracting Officer will not issue Notice to Proceed to the CONTRACTOR until such notice and fees have been paid to the Department of Labor. Failure of the CONTRACTOR to file the Notice of Work and pay fees within this timeframe shall not constitute grounds for an extension of contract time or adjustment of contract price.

7. 15 Overtime Work Hours and Compensation:

Pursuant to 40 U.S.C. 327-330 and AS 23.10.060 -.110, the CONTRACTOR shall not require nor permit any laborer or mechanic in any workweek in which he is employed on any Work under this Contract to work in excess of eight hours in any Calendar Day or in excess of forty hours in such workweek on Work subject to the provisions of the *Contract Work Hours and Safety Standards Act* unless such laborer or mechanic receives compensation at a rate not less than one and one half times his basic rate of pay for all such hours worked in excess of eight hours in any Calendar Day or in excess of forty hours in such workweek whichever is the greater number of overtime hours. In the event of any violation of this provision, the CONTRACTOR shall be liable to any affected employee for any amounts due and penalties and to the AUTHORITY for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic employed in violation of this provision in the sum of \$10.00 for each Calendar Day on which such employee was required or permitted to be employed on such Work in excess of eight hours or in excess of the standard workweek of forty hours without payment of the overtime wages required by this paragraph.

7.16 Covenant Against Contingent Fees:

The CONTRACTOR warrants that no person or selling agent has been employed or retained to solicit or secure this Contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by the CONTRACTOR for the purpose of securing business. For breach or violation of this warrant, the AUTHORITY shall have the right to annul this Contract without liability or, in its discretion, to deduct price of consideration from the Contract or otherwise

recover the full amount of such commission, percentage, brokerage, or contingent fee.

7.17 Officials Not to Benefit:

No member of or delegate to the U.S. Congress, the Alaska State Legislature or other state official shall be admitted to any share or part of this Contract, nor to any benefit that may arise there from. However, this provision shall not be construed to extend to this Contract if made with a corporation for its general benefit.

7.18 Personal Liability of Public Officials:

In carrying out any of the provisions thereof, or in exercising any power or authority granted to the Contracting Officer by the Contract, there will be no liability upon the Contracting Officer nor upon AUTHORITY employees authorized as his representatives, either personally or as officials of the AUTHORITY, it being always understood that in such matters they act as agents and representatives of the AUTHORITY.

ARTICLE 8 - OTHER WORK

8.1 Related Work at Site:

- 8.1.1 The AUTHORITY reserves the right at any time to contract for and perform other or additional work on or near the Work covered by the Contract.
- 8.1.2 When separate contracts are let within the limits of the Project, the CONTRACTOR shall conduct his Work so as not to interfere with or hinder the work being performed by other contractors. The CONTRACTOR when working on the same Project with other contractors shall cooperate with such other contractors. The CONTRACTOR shall join his Work with that of the others in an acceptable manner and shall perform it in proper sequence to that of others.
- 8.1.3 If the fact that other such work is to be performed is identified or shown in the Contract Documents the CONTRACTOR shall assume all liability, financial or otherwise, in connection with this Contract and indemnify and save harmless the AUTHORITY from any and all damages or claims that may arise because of inconvenience, delay, or loss experienced by the CONTRACTOR because of the presence and operations of other contractors.
- 8.1.4 If the fact that such other work is to be performed was not identified or shown in the Contract Documents, written notice thereof will be given to the CONTRACTOR prior to starting any such other work. If the CONTRACTOR believes that such performance will require an increase in Contract Price or Contract Time, the CONTRACTOR shall notify the Project Manager of such required increase within fifteen (15) calendar days following receipt of the Contracting Officer's notice. Should the Project Manager find such increase(s) to be justified, a Change Order will be executed.

8.2 Access, Cutting, and Patching:

The CONTRACTOR shall afford each utility owner and any other contractor who is a party to such a direct contract with the AUTHORITY (or the AUTHORITY, if the AUTHORITY is performing the additional work with the AUTHORITY's employees) proper and safe access to the site and a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such work, and shall properly connect and coordinate the Work with the work of others. The CONTRACTOR shall do all cutting, fitting and patching of the Work that may be required to make its several parts come together properly and integrate with such other work, the CONTRACTOR shall not endanger any work of others by cutting, excavating or otherwise altering

their work and will only cut or alter such other work with the written consent of the Project Manager. The duties and responsibilities of the CONTRACTOR under this paragraph are for the benefit of other contractors to the extent that there are comparable provisions for the benefit of the CONTRACTOR in said direct contracts between the AUTHORITY and other contractors.

8.3 Defective Work by Others:

If any part of the CONTRACTOR's Work depends for proper execution or results upon the work of any such other contractor, utility owner, or the AUTHORITY, the CONTRACTOR shall inspect and promptly report to the Project Manager in writing any delays, defects or deficiencies in such work that render it unavailable or unsuitable for such proper execution and results. The CONTRACTOR's failure to so report will constitute an acceptance of the other work as fit and proper for integration with CONTRACTOR's Work except for latent or non-apparent defects and deficiencies in the other work.

8.4 Coordination:

If the AUTHORITY contracts with others for the performance of other work at the site, Project Manager will have authority and responsibility for coordination of the activities among the various prime contractors.

ARTICLE 9 - CHANGES

9.1 AUTHORITY's Right to Change

Without invalidating the Contract and without notice to any Surety, the AUTHORITY may, at any time or from time to time, order additions, deletions or revisions in the Work within the general scope of the Contract, including but not limited to changes:

- 9.1.1 In the Contract Documents;
- 9.1.2 In the method or manner of performance of the Work;
- 9.1.3 In Authority-furnished facilities, equipment, materials, services, or site;
- 9.1.4 Directing acceleration in the performance of the Work.

9.2 Authorization of Changes within the General Scope.

Additions, deletions, or revisions in the Work within the general scope of the Contract as specified in 9.1 shall be authorized by one or more of following ways:

- 9.2.1 Directive (pursuant to paragraph 9.3)
- 9.2.2 A Change Order (pursuant to paragraph 9.4)
- 9.2.3 AUTHORITY's acceptance of Shop Drawing variations from the Contract Documents as specifically identified by the CONTRACTOR as required by paragraph 6.20.4.

9.3 Directive

- 9.3.1 The Contracting Officer shall provide written clarification or interpretation of the Contract Documents (pursuant to paragraph 3.6).
- 9.3.2 The Project Manager may authorize minor variations in the Work from the requirements of the Contract Documents which do not involve an adjustment in the Contract Price or the Contract Time and are consistent with the overall intent of the Contract Documents.
- 9.3.3 The Project Manager may order the Contractor to correct Defective Work or methods which are not in conformance with the Contract Documents.
- 9.3.4 The Project Manager may direct the commencement or suspension of Work or emergency related Work (as provided in paragraph 6.19).
- 9.3.5 Upon the issuance of a Directive to the CONTRACTOR by the Project Manager, the CONTRACTOR shall proceed with the performance of the Work as prescribed by such Directive.
- 9.3.6 If the CONTRACTOR believes that the changes noted in a Directive may cause an increase in the Contract Price or an extension of Contract Time, the CONTRACTOR shall immediately provide written notice to the Project Manager depicting such increases before proceeding with the Directive, except in the case of an emergency. If the Project Manager finds the increase in Contract Price or the extension of Contract Time justified, a Change Order will be issued. If however, the Project Manager does not find that a Change Order is justified, the Project Manager may direct the CONTRACTOR to proceed with the Work. The CONTRACTOR shall cooperate with the Project Manager in keeping complete daily records of the cost of such Work. If a Change Order is ultimately determined to be justified, in the absence of agreed prices and unit prices, payment for such Work will be made on a "cost of the work basis" as provided in 10.4

9.4 Change Order

A change in Contract Time, Contract Price, or responsibility may be made for changes within the scope of the Work by Change Order. Upon receipt of an executed Change Order, the CONTRACTOR shall promptly proceed with the Work involved which will be performed under the applicable conditions of the Contract Documents except as otherwise specifically provided. Changes in Contract Price and Contract Time shall be made in accordance with Articles 10 and 11. A Change Order shall be considered executed when it is signed by the AUTHORITY.

9.5 Shop Drawing Variations

Variations by shop drawings shall only be eligible for consideration under 9.4 when the conditions affecting the price, time, or responsibility are identified by the CONTRACTOR in writing and a request for a Change Order is submitted as per 6.20.4.

9.6 Changes Outside the General Scope; Supplemental Agreement

Any change which is outside the general scope of the Contract, as determined by the Project Manager, must be authorized by a Supplemental Agreement signed by the appropriate representatives of the AUTHORITY and the CONTRACTOR.

9.7 Unauthorized Work:

The CONTRACTOR shall not be entitled to an increase in the Contract Price or an extension of the Contract Time with respect to any work performed that is not required by the Contract Documents as amended, modified and supplemented as provided in this Article 9, except in the case of an emergency as provided in paragraph 6.19 and except in the case of uncovering Work as provided in paragraph 12.4.2.

9.8 Notification of Surety:

If notice of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Time) is required by the provisions of any bond to be given to a Surety, the giving of any such notice will be the CONTRACTOR's responsibility, and the amount of each applicable bond will be adjusted accordingly.

9.9 Differing Site Conditions:

9.9.1 The CONTRACTOR shall promptly, and before such conditions are disturbed (except in an emergency as permitted by paragraph 6.19), notify the Project Manager in writing of: (1) subsurface or latent physical conditions at the site differing materially from those indicated in the Contract, and which could not have been discovered by a careful examination of the site, or (2) unknown physical conditions at the site, of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in this Contract. The Project Manager shall promptly investigate the conditions, and if the Project Manager finds that such conditions do materially so differ and cause an increase or decrease in the CONTRACTOR's cost of, or time required for, performance of this Contract, an equitable adjustment shall be made and the Contract modified in writing accordingly.

9.9.2 Any claim for additional compensation by the CONTRACTOR under this clause shall be made in accordance with Article 15. In the event that the Contracting Officer and the CONTRACTOR are unable to reach an agreement concerning an alleged differing site condition, the CONTRACTOR will be required to keep an accurate and detailed record which will indicate the actual "cost of the work" done under the alleged differing site condition. Failure to keep such a record shall be a bar to any recovery by reason of such alleged differing site conditions. The Project Manager shall be given the opportunity to supervise and check the keeping of such records.

9.10 Interim Work Authorization

An Interim Work Authorization may be used to establish a change within the scope of the Work; however, only a Change Order shall establish associated changes in Contract Time and Price. Work authorized by Interim Work Authorization shall be converted to a Change Order. The basis of payment shall be as stated in the Interim Work Authorization, unless it states that the basis of payment has not been established and is to be negotiated, in which case the Cost of the Work shall be documented pursuant to Article 10.4, to establish a basis for negotiating a lump sum price for the Change Order.

ARTICLE 10 - CONTRACT PRICE; COMPUTATION AND CHANGE

10.1 Contract Price:

The Contract Price constitutes the total compensation (subject to authorized adjustments) payable to the CONTRACTOR for performing the Work. All duties, responsibilities and obligations assigned to or undertaken by the CONTRACTOR shall be at his expense without change in the Contract Price. The Contract Price may only be changed by a Change Order or Supplemental Agreement.

10.2 Claim for Price Change:

Any claim for an increase or decrease in the Contract Price shall be submitted in accordance with the terms of Article 15, and shall not be allowed unless notice requirements of this Contract have been met.

10.3 Change Order Price Determination:

The value of any Work covered by a Change Order for an increase or decrease in the Contract Price shall be determined in one of the following ways:

10.3.1 Where the Work involved is covered by unit prices contained in the Contract Documents, by application of unit prices to the quantities of the items involved (subject to the provisions of subparagraphs 10.9.1 through 10.9.3, inclusive).

10.3.2 By mutual acceptance of a lump sum price that includes overhead and profit. The following maximum rates of cost markup (to cover both overhead and profit of the CONTRACTOR) shall be used in the negotiation of a Lump Sum Change Order:

- a. 17% - where a cost is borne directly by prime contractor (first tier contractor).
- b. 10% - where a cost is borne by a subcontractor (lower tier contractor).

Where the cost is borne by a subcontractor acting as a first tier contractor, the allowable overhead and profit markup for lump sum change orders shall not exceed 17%. Any lower tier subcontractors, including the CONTRACTOR in this case, for whom the first tier subcontractor performs the work, shall be allowed an overhead and profit markup that does not exceed 10%.

10.3.3 When 10.3.1 and 10.3.2 are inapplicable, on the basis of the "cost of the work" (determined as provided in paragraphs 10.4 and 10.5) plus a CONTRACTOR's fee for overhead and profit (determined as provided in paragraph 10.6).

10.3.4 Before a Change Order or Supplemental Agreement is approved, the CONTRACTOR shall submit cost or pricing data regarding the changed or extra Work. The CONTRACTOR shall certify that the data submitted is, to his best knowledge and belief, accurate, complete and current as of a mutually determined specified date and that such data will continue to be accurate and complete during the performance of the changed or extra Work.

10.4 Cost of the Work:

The term "cost of the work" means the sum of all costs necessarily incurred and paid by the CONTRACTOR in the proper performance of the Work. Except as otherwise may be agreed to in writing by the AUTHORITY, such costs shall be in amount no higher than those prevailing in the locality of the Project, shall include only the following items and shall not include any of the costs itemized in subparagraph 10.5:

- 10.4.1 Payroll costs for employees in the direct employ of the CONTRACTOR in the performance of the Work under schedules of job classifications agreed upon by the AUTHORITY and the CONTRACTOR. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall include, but not be limited to, salaries and wages plus the cost of fringe benefits which shall include social security contributions, unemployment, excise and payroll taxes, workers' or workmen's compensation, health and retirement benefits, bonuses, sick leave, vacation and holiday pay applicable thereto. Such employees shall include manual workers up through the level of foreman but shall not include general foremen, superintendents, and non-manual employees. The expenses of performing Work after regular working hours, on Saturday, Sunday or legal holidays shall be included in the above to the extent authorized by the AUTHORITY.
- 10.4.2 Cost of all materials and equipment furnished and incorporated or consumed in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts shall accrue to the CONTRACTOR unless the AUTHORITY deposits funds with the CONTRACTOR with which to make payments, in which case the cash discounts shall accrue to the AUTHORITY. All trade discounts, rebates and refunds and all returns from sale of surplus materials and equipment shall accrue to the AUTHORITY, and the CONTRACTOR shall make provisions so that they may be obtained.
- 10.4.3 Payments made by the CONTRACTOR to Subcontractors for Work performed by Subcontractors. If required by the AUTHORITY, CONTRACTOR shall obtain competitive quotes from Subcontractors or Suppliers acceptable to the CONTRACTOR and shall deliver such quotes to the AUTHORITY who will then determine which quotes will be accepted. If a subcontract provides that the Subcontractor is to be paid on the basis of "cost of the work" plus a fee, the Subcontractor' "cost of the work" shall be determined in the same manner as the CONTRACTOR's "cost of work" as described in paragraphs 10.4 through 10.5; and the Subcontractor's fee shall be established as provided for under subparagraph 10.6.2 clause b. All subcontracts shall be subject to the other provisions of the Contract Documents insofar as applicable.
- 10.4.4 Costs of special consultants (including but not limited to engineers, architects, testing laboratories, and surveyors) employed for services necessary for the completion of the Work.
- 10.4.5 Supplemental costs including the following:
- a. The proportion of necessary transportation, travel and subsistence expenses of the CONTRACTOR's employees incurred in discharge of duties connected with the Work.
 - b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office and temporary facilities at the site and hand tools not owned by the workers, which are consumed in the performance of the Work, and cost less market value of such items used but not consumed which remain the property of the CONTRACTOR.
 - c. Rentals of all construction equipment and machinery and the parts thereof whether rented from the CONTRACTOR or others in accordance with rental agreements Approved by the AUTHORITY and the costs of transportation, loading, unloading, installation, dismantling and removal thereof - all in accordance with terms of said rental agreements. The rental of any such equipment, machinery or parts shall cease when the use thereof is no longer necessary for the Work.

For any machinery or special equipment (other than small tools) which has been authorized by

the Project Manager, the CONTRACTOR shall receive the rental rates in the current edition and appropriate volume of the "Rental Rate Blue Book for Construction Equipment", published by Dataquest, Inc., 1290 Ridder Park Drive, San Jose, CA 95131. Hourly rental rates shall be determined as follows:

The established hourly rental rate shall be equal to the adjusted monthly rate for the basic equipment plus the adjusted monthly rate for applicable attachments, both divided by 176, and multiplied by the area adjustment factor, plus the estimated hourly operating cost.

The adjusted monthly rate is that resulting from application of the rate adjustment formula in order to eliminate replacement cost allowances in machine depreciation and contingency cost allowances.

Attachments shall not be included unless required for the time and materials work.

For equipment not listed in The Blue Book, the CONTRACTOR shall receive a rental rate as agreed upon before such work is begun. If agreement cannot be reached, the AUTHORITY reserves the right to establish a rate based on similar equipment in the Blue Book or prevailing commercial rates in the area.

These rates shall apply for equipment used during the CONTRACTOR's regular shift of 10 hours per day. Where the equipment is used more than 10 hours per day, either on the CONTRACTOR's normal work or on time and materials, and either on single or multiple shifts, an overtime rate, computed as follows, shall apply:

The hourly overtime rate shall be equal to the adjusted monthly rate for the basic equipment plus the adjusted monthly rate for applicable attachments, both divided by 352, and multiplied by the area adjustment factor, plus the estimated hourly operating cost.

Equipment which must be rented or leased specifically for work required under this section shall be authorized in writing by the Project Manager. The CONTRACTOR shall be paid invoice price plus 15%.

When it is necessary to obtain equipment from sources beyond the project limits exclusively for time and materials, work, the actual cost of transferring the equipment to the site of the work and return will be allowed as an additional item of expense. Where the move is made by common carrier, the move-in allowance will be limited to the amount of the freight bill or invoice. If the CONTRACTOR hauls the equipment with his own forces, the allowance will be limited to the rental rate for the hauling unit plus operator wages. In the event that the equipment is transferred under its own power, the moving allowance will be limited to one-half of the normal hourly rental rate plus operator's wages. In the event that the move-out is to a different location, payment will in no instance exceed the amount of the move-in. Move-in allowance shall not be made for equipment brought to the project for time and materials work which is subsequently retained on the project and utilized for completion of contract items, camp maintenance, or related work.

Equipment ordered to be on a stand-by basis shall be paid for at the stand-by rental rate for the number of hours in the CONTRACTOR'S normal work shift, but not to exceed 8 hours per day. The stand-by rental rate shall be computed as follows:

The hourly stand-by rate shall be equal to the adjusted monthly rate for the basic equipment plus the adjusted monthly rate for applicable attachments, both divided by 352, all multiplied by the area adjustment factor.

Time will be recorded to the nearest one-quarter hour for purposes of computing compensation to the CONTRACTOR for equipment utilized under these rates.

The equipment rates as determined above shall be full compensation, including overhead and profit, for providing the required equipment and no additional compensation will be made for other costs such as, but not limited to, fuels, lubricants, replacement parts or maintenance costs. Cost of repairs, both major and minor, as well as charges for mechanic's time utilized in servicing equipment to ready it for use prior to moving to the project and similar charges will not be allowed.

- d. Sales, consumer, use or similar taxes related to the Work, and for which the CONTRACTOR is liable, imposed by Regulatory Requirements.
- e. Deposits lost for causes other than negligence of the CONTRACTOR, any Subcontractor or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.
- f. Losses and damages (and related expenses), not compensated by insurance or otherwise, to the Work or otherwise sustained by the CONTRACTOR in connection with the performance and furnishing of the Work provided they have resulted from causes other than the negligence of the CONTRACTOR, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses shall include settlements made with the written consent and Approval of the AUTHORITY. No such losses, damages and expenses shall be included in the "cost of the work" for the purpose of determining the CONTRACTOR's fee. If, however, any such loss or damage requires reconstruction and the CONTRACTOR is placed in charge thereof, the CONTRACTOR shall be paid for services a fee proportionate to that stated in paragraphs 10.6.2.a and 10.6.2.b.
- g. The cost of utilities, fuel and sanitary facilities at the site.
- h. Minor expenses such as telegrams, long distance telephone calls, telephone service at the site, expressage and similar petty cash items in connection with the Work.
- I. Cost of premiums for additional bonds and insurance required because of changes in the Work and premiums for property insurance coverage within the limits of the deductible amounts established by the AUTHORITY in accordance with Article 5.

10.5 Excluded Costs:

The term "cost of the work" shall not include any of the following:

- 10.5.1 Payroll costs and other compensation of CONTRACTOR's officers, executives, principals (of partnership and sole proprietorships), general managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing agency, expeditors, timekeepers, clerks and other personnel employed by CONTRACTOR whether at the site or in CONTRACTOR's principal or a branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in paragraph 10.4.1 or specifically covered by paragraph 10.4.4 all of which are to be considered administrative costs covered by the CONTRACTOR's fee.
- 10.5.2 Expenses of CONTRACTOR's principal and branch offices other than CONTRACTOR's office at the site.

- 10.5.3 Any part of CONTRACTOR's capital expenses including interest on CONTRACTOR's capital employed for the Work and charges against CONTRACTOR for delinquent payments.
- 10.5.4 Cost of premiums for all bonds and for all insurance whether or not CONTRACTOR is required by the Contract Documents to purchase and maintain the same (except for the cost of premiums covered by subparagraph 10.4.5.i above).
- 10.5.5 Costs due to the negligence of CONTRACTOR, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of Defective Work, disposal of materials or equipment wrongly supplied and making good any damage to property.
- 10.5.6 Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in paragraph 10.4.

10.6 CONTRACTOR's Fee:

The CONTRACTOR's fee allowed to CONTRACTOR for overhead and profit shall be determined as follows.

- 10.6.1 A mutually acceptable fixed fee; or if none can be agreed upon.
- 10.6.2 A fee based on the following percentages of the various portions of the "cost of the work":
 - a. For costs incurred under paragraphs 10.4.1 and 10.4.2, the CONTRACTOR's fee shall be twenty percent;
 - b. For costs incurred under paragraph 10.4.3, the CONTRACTOR's fee shall be ten percent; and if a subcontract is on the basis of "cost of the work" plus a fee, the maximum allowable to CONTRACTOR on account of overhead and profit of all Subcontractors and multiple tiers thereof shall be fifteen percent;
 - c. No fee shall be payable on the basis of costs itemized under paragraphs 10.4.4, 10.4.5 and 10.5;
 - d. The amount of credit to be allowed by the CONTRACTOR to the AUTHORITY for any such change which results in a net decrease in cost will be the amount of the actual net decrease plus a deduction in CONTRACTOR's fee by an amount equal to ten percent of the net decrease; and
 - e. When both additions and credits are involved in any one change, the adjustment in CONTRACTOR's fee shall be computed on the basis of the net change in accordance with paragraphs 10.6.2.a through 10.6.2.d, inclusive.

10.7 Cost Breakdown:

Whenever the cost of any Work is to be determined pursuant to paragraphs 10.4 and 10.5, the CONTRACTOR will submit in a form acceptable to the AUTHORITY an itemized cost breakdown together with supporting data.

10.8 Cash Allowances:

It is understood that CONTRACTOR has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be done by such Subcontractors

or Suppliers and for such sums within the limit of the allowances as may be acceptable to the Contracting Officer. CONTRACTOR agrees that:

- 10.8.1 The allowances include the cost to CONTRACTOR (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the site, and all applicable taxes; and
- 10.8.2 CONTRACTOR's cost for unloading and handling on the site, labor, installation costs, overhead, profit and other expenses contemplated for the allowances have been included in the Contract Price and not in the allowances. No demand for additional payment on account of any thereof will be valid.

Prior to final payment, an appropriate Change Order will be issued to reflect actual amounts due the CONTRACTOR on account of Work covered by allowances, and the Contract Price shall be correspondingly adjusted.

10.9 Unit Price Work:

- 10.9.1 Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the established unit prices for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Contract. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of bids and determining an initial Contract Price. Determinations of the actual quantities and classifications of Unit Price Work performed by the CONTRACTOR will be made by the AUTHORITY in accordance with paragraph 10.10.
- 10.9.2 Each unit price will be deemed to include an amount considered by the CONTRACTOR to be adequate to cover the CONTRACTOR's overhead and profit for each separately identified item. If the "Basis of Payment" clause in the Contract Documents relating to any unit price in the bid schedule requires that the said unit price cover and be considered compensation for certain work or material essential to the item, this same work or material will not also be measured or paid for under any other pay item which may appear elsewhere in the Contract Documents.
- 10.9.3 Payment to the CONTRACTOR shall be made only for the actual quantities of Work performed and accepted or materials furnished, in conformance with the Contract Documents. When the accepted quantities of Work or materials vary from the quantities stated in the bid schedule, or change documents, the CONTRACTOR shall accept as payment in full, payment at the stated unit prices for the accepted quantities of Work and materials furnished, completed and accepted; except as provided below:
 - a. When the quantity of Work to be done or material to be furnished under any item, for which the total cost of the item exceeds 10% of the total Contract Price, is increased by more than 25 percent of the quantity stated in the bid schedule, or change documents, either party to the Contract, upon demand, shall be entitled to an equitable unit price adjustment on that portion of the Work above 125 percent of the quantity stated in the bid schedule.
 - b. When the quantity of Work to be done or material to be furnished under any major item, for which the total cost of the item exceeds 10% of the total Contract Price, is decreased by more than 25 percent of the quantity stated in the bid schedule, or change documents either party to the Contract, upon demand, shall be entitled to an equitable price adjustment for the quantity

of Work performed or material furnished, limited to a total payment of not more than 75 percent of the amount originally bid for the item.

10.10 Determinations for Unit Prices:

The Project Manager will determine the actual quantities and classifications of Unit Price Work performed by the CONTRACTOR. The Project Manager will review with the CONTRACTOR preliminary determinations on such matters before finalizing the costs and quantities on the Schedule of Values. The Project Manager's acknowledgment thereof will be final and binding on the CONTRACTOR, unless, within 10 days after the date of any such decisions, the CONTRACTOR delivers to the Project Manager written notice of intention to appeal from such a decision.

ARTICLE 11 - CONTRACT TIME; COMPUTATION AND CHANGE

11.1 Commencement of Contract Time; Notice to Proceed:

The Contract Time will commence to run on the day indicated in the Notice to Proceed.

11.2 Starting the Work:

No Work on Contract items shall be performed before the effective date of the Notice to Proceed. The CONTRACTOR shall notify the Project Manager at least 24 hours in advance of the time actual construction operations will begin. The CONTRACTOR may request a limited Notice to Proceed after Award has been made, to permit him to order long lead materials which could cause delays in Project completion. However, granting is within the sole discretion of the Contracting Officer, and refusal or failure to grant a limited Notice to Proceed shall not be a basis for claiming for delay, extension of time, or alteration of price.

11.3 Computation of Contract Time:

11.3.1 When the Contract Time is specified on a Calendar Day basis, all Work under the Contract shall be completed within the number of Calendar Days specified. The count of Contract Time begins on the day following receipt of the Notice to Proceed by the CONTRACTOR, if no starting day is stipulated therein.

Calendar Days shall continue to be counted against Contract Time until and including the date of Substantial Completion of the Work.

11.3.2 When the Contract completion time is specified as a fixed calendar date, it shall be the date of Final Completion.

11.3.3 The Contract Time shall be as stated is 00800, Supplementary Conditions.

11.4 Time Change:

The Contract Time may only be changed by a Change Order or Supplemental Agreement.

11.5 Extension Due to Delays:

The right of the CONTRACTOR to proceed shall not be terminated nor the CONTRACTOR charged with liquidated or actual damages because of delays to the completion of the Work due to unforeseeable causes beyond the control and without the fault or negligence of the

CONTRACTOR, including, but not restricted to the following: acts of God or of the public enemy, acts of the AUTHORITY in its contractual capacity, acts of another contractor in the performance of a contract with the AUTHORITY, floods, fires, epidemics, quarantine restrictions, strikes, freight embargoes, unusually severe weather and delays of Subcontractors or Suppliers due to such causes. Any delay in receipt of materials on the site, caused by other than one of the specifically mentioned occurrences above, does not of itself justify a time extension, provided that the CONTRACTOR shall within twenty four (24) hours from the beginning of any such delay (unless the Contracting Officer shall grant a further period of the time prior to the date of final settlement of the Contract), notify the Project Manager in writing of the cause of delay. The Contracting Officer shall ascertain the facts and the extent of the delay and extend the time for completing the Work when the findings of fact justify such an extension.

11.6 Essence of Contract:

All time limits stated in the Contract Documents are of the essence of the Contract.

11.7 Reasonable Completion Time:

It is expressly understood and agreed by and between the CONTRACTOR and the AUTHORITY that the date of beginning and the time for Substantial Completion of the Work described herein are reasonable times for the completion of the Work.

11.8 Delay Damages:

Whether or not the CONTRACTOR's right to proceed with the Work is terminated, he and his Sureties shall be liable for damages resulting from his refusal or failure to complete the Work within the specified time.

Liquidated and actual damages for delay shall be paid by the CONTRACTOR or his Surety to the AUTHORITY in the amount as specified in the Supplementary Conditions for each Calendar Day the completion of the Work or any part thereof is delayed beyond the time required by the Contract, or any extension thereof. If a listing of incidents resulting from a delay and expected to give rise to actual or liquidated damages is not established by the Contract Documents, then the CONTRACTOR and his Surety shall be liable to the AUTHORITY for any actual damages occasioned by such delay. The CONTRACTOR acknowledges that the liquidated damages established herein are not a penalty but rather constitute an estimate of damages that the AUTHORITY will sustain by reason of delayed completion. These liquidated and actual damages are intended as compensation for losses anticipated arising, and including those items enumerated in the Supplementary Conditions.

These damages will continue to run both before and after termination in the event of default termination. These liquidated damages do not cover excess costs of completion or AUTHORITY costs, fees, and charges related to reprocurement. If a default termination occurs, the CONTRACTOR or his Surety shall pay in addition to these damages, all excess costs and expenses related to completion as provided by Article 14.2.5.

For each calendar day that the work remains incomplete after the expiration of the Contract Time, liquidated damages in the amount as stated in 00800, Supplemental Conditions shall be assessed to the CONTRACTOR. If no money is due the CONTRACTOR, the AUTHORITY shall have the right to recover said sum from the CONTRACTOR, the surety or both. The amount of these deductions is to reimburse the AUTHORITY for estimated liquidated damages incurred as a result of the CONTRACTOR's failure to complete the work within the time specified. As liquidated

damages, such deductions are not to be considered as penalties.

Permitting the CONTRACTOR to continue and finish the work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, will in no way operate as a waiver on the part of the AUTHORITY of any of its rights under the Contract.

ARTICLE 12 - QUALITY ASSURANCE

12.1 Warranty and Guaranty:

The CONTRACTOR warrants and guarantees to the AUTHORITY that all Work will be in accordance with the Contract Documents and will not be Defective. Prompt notice of all defects shall be given to the CONTRACTOR. All Defective Work, whether or not in place, may be rejected, corrected or accepted as provided for in this article.

12.2 Access to Work:

The AUTHORITY and the AUTHORITY's consultants, testing agencies and governmental agencies with jurisdiction interests will have access to the Work at reasonable times for their observation, inspecting and testing. The CONTRACTOR shall provide proper and safe conditions for such access.

12.3 Tests and Inspections:

12.3.1 The CONTRACTOR shall give the Project Manager timely notice of readiness of the Work for all required inspections, tests or Approvals.

12.3.2 If Regulatory Requirements of any public body having jurisdiction require any Work (or part thereof) to specifically be inspected, tested or approved, the CONTRACTOR shall assume full responsibility therefore, pay all costs in connection therewith and furnish the Project Manager the required certificates of inspection, testing or approval. The CONTRACTOR shall also be responsible for and shall pay all costs in connection with any inspection or testing required in connection with AUTHORITY's acceptance of a Supplier of materials or equipment proposed to be incorporated in the Work, or of materials or equipment submitted for Approval prior to the CONTRACTOR's purchase thereof for incorporation in the Work. The cost of all inspections, tests and approvals in addition to the above which are required by the Contract Documents shall be paid by the CONTRACTOR. The AUTHORITY may perform additional tests and inspections which it deems necessary to insure quality control. All such failed tests or inspections shall be at the CONTRACTOR's expense.

12.3.4 If any Work (including the work of others) that is to be inspected, tested or Approved is covered without written concurrence of the Project Manager, it must, if requested by the Project Manager, be uncovered for observation. Such uncovering shall be at the CONTRACTOR's expense unless the CONTRACTOR has given the Project Manager timely notice of CONTRACTOR's intention to cover the same and the Project Manager has not acted with reasonable promptness in response to such notice.

12.3.5 Neither observations nor inspections, tests or Approvals by the AUTHORITY or others shall relieve the CONTRACTOR from the CONTRACTOR's obligations to perform the Work in accordance with the Contract Documents.

12.4 Uncovering Work:

12.4.1 If any Work is covered contrary to the written request of the Project Manager, it must, if requested by the Project Manager, be uncovered for the Project Manager's observation and replaced at the CONTRACTOR's expense.

12.4.2 If the Project Manager considers it necessary or advisable that covered Work be observed inspected or tested, the CONTRACTOR, at the Project Manager's request, shall uncover, expose or otherwise make available for observation, inspection or testing as the Project Manager may require, that portion of the Work in question, furnishing all necessary labor, material and equipment. If it is found that such Work is Defective, the CONTRACTOR shall bear all direct, indirect and consequential costs of such uncovering, exposure, observation, inspection and testing and of satisfactory reconstruction, (including but not limited to fees and charges of engineers, architects, attorneys and other professionals) and the AUTHORITY shall be entitled to an appropriate decrease in the Contract Price. If, however, such Work is not found to be Defective, the CONTRACTOR shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to such uncovering, exposure, observation, inspection, testing and reconstruction.

12.5 AUTHORITY May Stop the Work:

If the Work is Defective, or the CONTRACTOR fails to supply suitable materials or equipment, or fails to furnish or perform the Work in such a way that the completed Work will conform to the Contract Documents, the Contracting Officer may order the CONTRACTOR to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of the Contracting Officer to stop the Work shall not give rise to any duty on the part of the Contracting Officer to exercise this right for the benefit of the CONTRACTOR or any other party.

12.6 Correction or Removal of Defective Work:

If required by the Project Manager, the CONTRACTOR shall promptly, as directed, either correct all Defective Work, whether or not fabricated, installed or completed, or, if the Work has been rejected by the Project Manager, remove it from the site and replace it with Work which conforms to the requirements of the Contract Documents. The CONTRACTOR shall bear all direct, indirect and consequential costs of such correction or removal (including but not limited to fees and charges of engineers, architects, attorneys and other professionals) made necessary thereby.

12.7 One Year Correction Period:

If within one year after the date of Substantial Completion of the relevant portion of the Work or such longer period of time as may be prescribed by Regulatory Requirements or by the terms of any applicable special guarantee required by the Contract Documents or by any specific provision of the Contract Documents, any Work is found to be Defective, the CONTRACTOR shall promptly, without cost to the AUTHORITY and in accordance with the Project Manager's written instructions, either correct such Defective Work, or, if it has been rejected by the Project Manager, remove it from the site and replace it with conforming Work. If the CONTRACTOR does not promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk of loss or damage, the AUTHORITY may have the Defective Work corrected or the rejected Work removed and replaced, and all direct, indirect and consequential costs of such removal and replacement (including but not limited to fees and charges of engineers, architects, attorneys and other professionals) will be paid by the CONTRACTOR. In special circumstances where a particular item of equipment is placed in continuous service for the benefit of the

AUTHORITY before Substantial Completion of all the Work, the correction period for that item may begin on an earlier date if so provided in the Specifications or by Change Order. Provisions of this paragraph are not intended to shorten the statute of limitations for bringing an action.

12.8 Acceptance of Defective Work:

Instead of requiring correction or removal and replacement of Defective Work, the Project Manager may accept Defective Work, the CONTRACTOR shall bear all direct, indirect and consequential costs attributable to the Project Manager's evaluation of and determination to accept such Defective Work (costs to include but not be limited to fees and charges of engineers, architects, attorneys and other professionals). If any such acceptance occurs prior to final payment, a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and the AUTHORITY shall be entitled to an appropriate decrease in the Contract Price. If the AUTHORITY has already made final payment to the CONTRACTOR, an appropriate amount shall be paid by the CONTRACTOR or his Surety to the AUTHORITY.

12.9 AUTHORITY May Correct Defective Work:

If the CONTRACTOR fails within a reasonable time after written notice from the Project Manager to proceed to correct Defective Work or to remove and replace rejected Work as required by the Project Manager in accordance with paragraph 12.6, or if the CONTRACTOR fails to perform the Work in accordance with the Contract Documents, or if the CONTRACTOR fails to comply with any other provision of the Contract Documents, the AUTHORITY may, after 7 days' written notice to the CONTRACTOR, correct and remedy any such deficiency. In exercising the rights and remedies under this paragraph the AUTHORITY shall proceed expeditiously. To the extent necessary to complete corrective and remedial action, the Project Manager may exclude the CONTRACTOR from all or part of the site, take possession of all or part of the Work, and suspend the CONTRACTOR's services related thereto, take possession of the CONTRACTOR's tools, appliances, construction equipment and machinery at the site and incorporate in the Work all materials and equipment stored at the site or approved remote storage sites or for which the AUTHORITY has paid the CONTRACTOR but which are stored elsewhere. The CONTRACTOR shall allow the Project Manager and his authorized representatives such access to the site as may be necessary to enable the Project Manager to exercise the rights and remedies under this paragraph. All direct, indirect and consequential costs of the AUTHORITY in exercising such rights and remedies will be charged against the CONTRACTOR, and a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and the AUTHORITY shall be entitled to an appropriate decrease in the Contract Price. Such direct, indirect and consequential costs will include but not be limited to fees and charges of engineers, architects, attorneys and other professionals, all court and arbitration costs and all costs of repair and replacement of work of others destroyed or damaged by correction, removal or replacement of the CONTRACTOR's Defective Work. The CONTRACTOR shall not be allowed an extension of time because of any delay in performance of the work attributable to the exercise, by the Project Manager, of the AUTHORITY's rights and remedies hereunder.

ARTICLE 13 - PAYMENTS TO CONTRACTOR AND COMPLETION

13.1 Schedule of Values:

The Schedule of Values established as provided in paragraph 6.6 will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to the Project Manager. Progress payments on account of Unit Price Work will be based on the number of units completed.

13.2 Preliminary Payments:

Upon approval of the Schedule of Values the CONTRACTOR may be paid for direct costs substantiated by paid invoices and other prerequisite documents required by the General Requirements. Direct costs shall include the cost of bonds, insurance, approved materials stored on the site or at approved remote storage sites, deposits required by a Supplier prior to fabricating materials, and other approved direct mobilization costs substantiated as indicated above. These payments shall be included as a part of the total Contract Price as stated in the Contract.

13.3 Application for Progress Payment:

The CONTRACTOR shall submit to the Project Manager for review an Application for Payment filled out and signed by the CONTRACTOR covering the Work completed as of the date of the Application for Payment and accompanied by such supporting documentation as is required by the Contract Documents. Progress payments will be made as the Work progresses on a monthly basis.

13.4 Review of Applications for Progress Payment:

Project Manager will either indicate in writing a recommendation of payment or return the Application for Payment to the CONTRACTOR indicating in writing the Project Manager's reasons for refusing to recommend payment. In the latter case, the CONTRACTOR may make the necessary corrections and resubmit the Application for Payment.

13.5 Stored Materials and Equipment:

If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the site or at another location agreed to in writing, the Application for Payment shall also be accompanied by a bill of sale, paid invoice or other documentation warranting that the AUTHORITY has received the materials and equipment free and clear of all charges, security interests and encumbrances and evidence that the materials and equipment are covered by appropriate property insurance and other arrangements to protect the AUTHORITY's interest therein, all of which will be satisfactory to the Project Manager. No payment will be made for perishable materials that could be rendered useless because of long storage periods. No progress payment will be made for living plant materials until planted.

13.6 CONTRACTOR's Warranty of Title:

The CONTRACTOR warrants and guarantees that title to all Work, materials and equipment covered by any Application for Payment, whether incorporated in the Project or not, will pass to the AUTHORITY no later than the time of payment free and clear of any claims, liens, security interests and further obligations.

13.7 Withholding of Payments:

The AUTHORITY may withhold or refuse payment for any of the reasons listed below provided it gives written notice of its intent to withhold and of the basis for withholding:

13.7.1 The Work is Defective, or completed Work has been damaged requiring correction or replacement, or has been installed without Approval of Shop Drawings, or by an unapproved Subcontractor, or for unsuitable storage of materials and equipment.

13.7.2 The Contract Price has been reduced by Change Order,

- 13.7.3 The AUTHORITY has been required to correct Defective Work or complete Work in accordance with paragraph 12.9.
- 13.7.4 The AUTHORITY's actual knowledge of the occurrence of any of the events enumerated in paragraphs 14.2.1.a through 14.2.1.k inclusive.
- 13.7.5 Claims have been made against the AUTHORITY or against the funds held by the AUTHORITY on account of the CONTRACTOR's actions or inactions in performing this Contract, or there are other items entitling the AUTHORITY to a set off.
- 13.7.6 Subsequently discovered evidence or the results of subsequent inspections or test, nullify any previous payments for reasons stated in subparagraphs 13.7.1 through 13.7.5.
- 13.7.7 The CONTRACTOR has failed to fulfill or is in violation of any of his obligations under any provision of this Contract.

13.8 Retainage:

At any time the AUTHORITY finds that satisfactory progress is not being made it may in addition to the amounts withheld under 13.7 retain a maximum amount equal to 10% of the total amount earned on all subsequent progress payments. This retainage may be released at such time as the Project Manager finds that satisfactory progress is being made.

13.9 Request for Release of Funds:

If the CONTRACTOR believes the basis for withholding is invalid or no longer exists, immediate written notice of the facts and Contract provisions on which the CONTRACTOR relies, shall be given to the AUTHORITY, together with a request for release of funds and adequate documentary evidence proving that the problem has been cured. In the case of withholding which has occurred at the request of the Department of Labor, the CONTRACTOR shall provide a letter from the Department of Labor stating that withholding is no longer requested. Following such a submittal by the CONTRACTOR, the AUTHORITY shall have a reasonable time to investigate and verify the facts and seek additional assurances before determining whether release of withheld payments is justified.

13.10 Substantial Completion:

When the CONTRACTOR considers the Work ready for its intended use the CONTRACTOR shall notify the Project Manager in writing that the Work or a portion of Work which has been specifically identified in the Contract Documents is substantially complete (except for items specifically listed by the CONTRACTOR as incomplete) and request that the AUTHORITY issue a certificate of Substantial Completion. Within a reasonable time thereafter, the Project Manager, the CONTRACTOR and Engineer(s) shall make an inspection of the Work to determine the status of completion. If the Project Manager does not consider the Work substantially complete, the Project Manager will notify the CONTRACTOR in writing giving the reasons therefore. If the Project Manager considers the Work substantially complete, the Project Manager will within fourteen days execute and deliver to the CONTRACTOR a certificate of Substantial Completion with tentative list of items to be completed or corrected. At the time of delivery of the certificate of Substantial Completion the Project Manager will deliver to the CONTRACTOR a written division of responsibilities pending Final Completion with respect to security, operation, safety, maintenance, heat, utilities, insurance and warranties which shall be consistent with the terms of the Contract Documents.

The AUTHORITY shall be responsible for all AUTHORITY costs resulting from the initial inspection and the first re-inspection, the CONTRACTOR shall pay all costs incurred by the AUTHORITY resulting from re-inspections, thereafter.

13.11 Access Following Substantial Completion:

The AUTHORITY shall have the right to exclude the CONTRACTOR from the Work after the date of Substantial Completion, but the AUTHORITY shall allow CONTRACTOR reasonable access to complete or correct items on the tentative list.

13.12 Final Inspection:

Upon written notice from the CONTRACTOR that the entire Work or an agreed portion thereof is complete, the Project Manager will make a final inspection with the CONTRACTOR and Engineer(s) and will notify the CONTRACTOR in writing of all particulars in which this inspection reveals that the Work is incomplete or Defective. The CONTRACTOR shall immediately take such measures as are necessary to remedy such deficiencies. The CONTRACTOR shall pay for all costs incurred by the AUTHORITY resulting from re-inspections.

13.13 Final Completion and Application for Payment:

After the CONTRACTOR has completed all such corrections to the satisfaction of the Project Manager and delivered schedules, guarantees, bonds, certificates of payment to all laborers, Subcontractors and Suppliers, and other documents - all as required by the Contract Documents; and after the Project Manager has indicated in writing that the Work has met the requirements for Final Completion, and subject to the provisions of paragraph 13.18, the CONTRACTOR may make application for final payment following the procedure for progress payments. The final Application for Payment shall be accompanied by all remaining certificates, warranties, guarantees, releases, affidavits, and other documentation required by the Contract Documents.

13.14 Final Payment:

13.14.1 If on the basis of the Project Manager's observation of the Work during construction and final inspection, and the Project Manager's review of the final Application for Payment and accompanying documentation - all as required by the Contract Documents; and the Project Manager is satisfied that the Work has been completed and the CONTRACTOR's other obligations under the Contract Documents have been fulfilled, the AUTHORITY will process final Application for Payment. Otherwise, the Project Manager will return the Application for Payment to the CONTRACTOR, indicating in writing the reasons for refusing to process final payment, in which case the CONTRACTOR shall make the necessary corrections and resubmit the final Application for Payment.

13.14.2 If, through no fault of the CONTRACTOR, Final Completion of the Work is significantly delayed, the Project Manager shall, upon receipt of the CONTRACTOR's final Application for Payment, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance to be held by the AUTHORITY for Work not fully completed or corrected is less than the retainage provided for in paragraph 13.9, and if bonds have been furnished as required in paragraph 5.I, the written consent of the Surety to the payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by the CONTRACTOR to the AUTHORITY with the application for such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of claims.

13.15 Final Acceptance:

Following certification of payment of payroll and revenue taxes, and final payment to the CONTRACTOR, the AUTHORITY will issue a letter of Final Acceptance, releasing the CONTRACTOR from further obligations under the Contract, except as provided in paragraph 13.17.

When it is anticipated that restarting, testing, adjusting, or balancing of systems will be required following Final Acceptance and said requirements are noted in Section(s) 01 77 00, such Work shall constitute a continuing obligation under the Contract.

13.16 CONTRACTOR's Continuing Obligation:

The CONTRACTOR's obligation to perform and complete the Work and pay all laborers, Subcontractors, and material men in accordance with the Contract Documents shall be absolute. Neither any progress or final payment by the AUTHORITY, nor the issuance of a certificate of Substantial Completion, nor any use or occupancy of the Work or any part thereof by the AUTHORITY or Owner, nor any act of acceptance by the AUTHORITY nor any failure to do so, nor any review and Approval of a Shop Drawing or sample submission, nor any correction of Defective Work by the AUTHORITY will constitute an acceptance of Work not in accordance with the Contract Documents or a release of the CONTRACTOR's obligation to perform the Work in accordance with the Contract Documents.

13.17 Waiver of Claims by CONTRACTOR:

The making and acceptance of final payment will constitute a waiver of all claims by the CONTRACTOR against the AUTHORITY other than those previously made in writing and still unsettled.

13.18 No Waiver of Legal Rights:

The AUTHORITY shall not be precluded or be estopped by any payment, measurement, estimate, or certificate made either before or after the completion and acceptance of the Work and payment therefore, from showing the true amount and character of the Work performed and materials furnished by the CONTRACTOR, nor from showing that any payment, measurement, estimate or certificate is untrue or is incorrectly made, or that the Work or materials are Defective. The AUTHORITY shall not be precluded or estopped, notwithstanding any such measurement, estimate, or certificate and payment in accordance therewith, from recovering from the CONTRACTOR or his Sureties, or both, such damages as it may sustain by reason of his failure to comply with requirements of the Contract Documents. Neither the acceptance by the AUTHORITY, or any representative of the AUTHORITY, nor any payment for or acceptance of the whole or any part of the Work, nor any extension of the Contract Time, nor any possession taken by the AUTHORITY, shall operate as a waiver of any portion of the Contract or of any power herein reserved, or of any right to damages. A waiver by the AUTHORITY of any breach of the Contract shall not be held to be a waiver of any other subsequent breach.

ARTICLE 14 - SUSPENSION OF WORK, DEFAULT AND TERMINATION

14.1 AUTHORITY May Suspend Work:

14.1.1 The AUTHORITY may, at any time, suspend the Work or any portion thereof by notice in writing to the CONTRACTOR. If the Work is suspended without cause the CONTRACTOR shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both,

directly attributable to any suspension if the CONTRACTOR makes an Approved claim therefore as provided in Article 15. However, no adjustment shall be made under this clause for any suspension, delay, or interruption to the extent that suspension is due to the fault or negligence of the CONTRACTOR, or that suspension is necessary for Contract compliance, or that performance would have been so suspended, delayed, or interrupted by any other cause, including the fault or negligence of the CONTRACTOR.

- 14.1.2 In case of suspension of Work, the CONTRACTOR shall be responsible for preventing damage to or loss of any of the Work already performed and of all materials whether stored on or off the site or Approved remote storage sites.

14.2 Default of Contract:

- 14.2.1 The Contracting Officer may give the contractor and his surety a written Notice to Cure Default if the contractor:
- a. fails to begin work in the time specified,
 - b. fails to use sufficient resources to assure prompt completion of the work,
 - c. performs the work unsuitably or neglect or refuse to remove and replace rejected materials or work,
 - d. stops work,
 - e. fails to resume stopped work after receiving notice to do so,
 - f. becomes insolvent (except that if you declare bankruptcy, termination will be under Title 11 US Code 362 and/or 365. Your bankruptcy does not relieve the surety of any obligations to assume the Contract and complete the work in a timely manner.
 - g. Allows any final judgment to stand against him unsatisfied for period of 60 days, or
 - h. Makes an assignment for the benefit of creditors without the consent of the Contracting Officer, or
 - i. Disregards Regulatory Requirements of any public body having jurisdiction, or
 - j. Otherwise violates in any substantial way any provisions of the Contract Documents, or
 - k. fails to comply with Contract minimum wage payments or civil rights requirements, or
 - l. are party to fraud, deception, misrepresentation , or
 - m. for any cause whatsoever, fails to carry on the Work in an acceptable manner.
- 14.2.2 The Notice to Cure Default will detail the conditions determined to be in default, the time within which to cure the default and may, in the Contracting Officer's discretion, specify the actions necessary to cure the default. Failure to cure the delay, neglect or default within the time specified in the Contracting Officer's written notice to cure authorizes the Authority to terminate the contract. The Contracting Officer may allow more time to cure than originally stated in the Notice to Cure Default if he deems it to be in the best interests of the Authority. The Authority will provide you and your surety with a written Notice of Default Termination that details the default and the failure to cure it.

- 14.2.3 If the CONTRACTOR or Surety, within the time specified in the above notice of default, shall not proceed in accordance therewith, then the AUTHORITY may, upon written notification from the Contracting Officer of the fact of such delay, neglect or default and the CONTRACTOR's failure to comply with such notice, have full power and authority without violating the Contract, to take the prosecution of the Work out of the hands of the CONTRACTOR. The AUTHORITY may terminate the services of the CONTRACTOR, exclude the CONTRACTOR from the site and take possession of the Work and of all the CONTRACTOR's tools, appliances, construction equipment and machinery at the site and use the same to the full extent they could be used by the CONTRACTOR (without liability to the CONTRACTOR for trespass or conversion), incorporate in the Work all materials and equipment stored at the site or for which the AUTHORITY has paid the CONTRACTOR but which are stored elsewhere, and finish the Work as the AUTHORITY may deem expedient. The AUTHORITY may enter into an agreement for the completion of said Contract according to the terms and provisions thereof, or use such other methods that in the opinion of the Contracting Officer are required for the completion of said Contract in an acceptable manner.
- 14.2.4 The Contracting Officer may, by written notice to the CONTRACTOR and his Surety or his representative, transfer the employment of the Work from the CONTRACTOR to the Surety, or if the CONTRACTOR abandons the Work undertaken under the Contract, the Contracting Officer may, at his option with written notice to the Surety and without any written notice to the CONTRACTOR, transfer the employment for said Work directly to the Surety. The Surety shall submit its plan for completion of the Work, including any contracts or agreements with third parties for such completion, to the AUTHORITY for Approval prior to beginning completion of the Work. Approval of such contracts shall be in accordance with all applicable requirements and procedures for Approval of subcontracts as stated in the Contract Documents.
- 14.2.5 After the notice of termination is issued, the Authority may take over the work and complete it by contract or otherwise and may take possession of and use materials, appliances, equipment or plant on the work site necessary for completing the work.
- 14.2.6 Rather than taking over the work itself, the Authority may transfer the obligation to perform the work from the contractor to your surety. The surety must submit its plan for completion of the work, including any contracts or agreements with third parties for completion, to the Authority for approval prior to beginning work. The surety must follow the Contract requirements for approval of subcontracts, except that the limitation on percent of work subcontracted will not apply.
- 14.2.7 On receipt of the transfer notice, the surety must take possession of all materials, tools, and appliances at the work site, employ an appropriate work force, and complete the Contract work, as specified. The Contract specifications and requirements shall remain in effect. However the Authority will make subsequent Contract payments directly to the Surety for work performed under the terms of the Contract. CONTRACTOR forfeits any right to claim for the same work or any part thereof. CONTRACTOR is not entitled to receive any further balance of the amount to be paid under the Contract.

- 14.2.8 Upon receipt of the notice terminating the services of the CONTRACTOR, the Surety shall enter upon the premises and take possession of all materials, tools, and appliances thereon for the purpose of completing the Work included under the Contract and employ by contract or otherwise any person or persons to finish the Work and provide the materials therefore, without termination of the continuing full force and effect of this Contract. In case of such transfer of employment to the Surety, the Surety shall be paid in its own name on estimates covering Work subsequently performed under the terms of the Contract and according to the terms thereof without any right of the CONTRACTOR to make any claim for the same or any part thereof.
- 14.2.9 If the Contract is terminated for default, the CONTRACTOR and the Surety shall be jointly and severally liable for damages for delay as provided by paragraph 11.8, and for the excess cost of completion, and all costs and expenses incurred by the AUTHORITY in completing the Work or arranging for completion of the Work, including but not limited to costs of assessing the Work to be done, costs associated with advertising, soliciting or negotiating for bids or proposals for completion, and other procurement costs. Following termination the CONTRACTOR shall not be entitled to receive any further balance of the amount to be paid under the Contract until the Work is fully finished and accepted, at which time if the unpaid balance exceeds the amount due the AUTHORITY and any amounts due to persons for whose benefit the AUTHORITY has withheld funds, such excess shall be paid by the AUTHORITY to the CONTRACTOR. If the damages, costs, and expenses due the AUTHORITY exceed the unpaid balance, the CONTRACTOR and his Surety shall pay the difference.
- 14.2.10 If, after notice of termination of the CONTRACTOR's right to proceed under the provisions of this clause, it is determined for any reason that the CONTRACTOR was not in default under the provisions of this clause, or that the delay was excusable under the provisions of this clause, or that termination was wrongful, the rights and obligations of the parties shall be determined in accordance with the clause providing for convenience termination.

14.3 Rights or Remedies:

Where the CONTRACTOR's services have been so terminated by the AUTHORITY, the termination will not affect any rights or remedies of the AUTHORITY against the CONTRACTOR then existing or which may thereafter accrue. Any retention or payment of moneys due the CONTRACTOR by the AUTHORITY will not release the CONTRACTOR from liability.

14.4 Convenience Termination:

- 14.4.1 The performance of the Work may be terminated by the AUTHORITY in accordance with this section in whole or in part, whenever, for any reason the Contracting Officer shall determine that such termination is in the best interest of the OWNER. Any such termination shall be effected by delivery to the CONTRACTOR of a Notice of Termination, specifying termination is for the convenience of the AUTHORITY the extent to which performance of Work is terminated, and the date upon which such termination becomes effective.
- 14.4.2 Immediately upon receipt of a Notice of Termination and except as otherwise directed by the Contracting Officer, the CONTRACTOR shall:
- a. Stop Work on the date and to the extent specified in the Notice of Termination;
 - b. Place no further orders or subcontracts for materials, services, or facilities except as may be necessary for completion of such portion of the Work as is not terminated;
 - c. Terminate all orders and subcontracts to the extent that they relate to the performance of Work terminated by the Notice of Termination;
 - d. With the written Approval of the Contracting Officer, to the extent he may require, settle all outstanding liabilities and all claims arising out of such termination of orders and subcontracts, the cost of which would be reimbursable, in whole, or in part, in accordance with the provisions of the Contract;
 - e. Submit to the Contracting Officer a list, certified as to quantity and quality, of any or all items of termination inventory exclusive of items the disposition of which had been directed or authorized by the Contracting Officer
 - f. Transfer to the Contracting Officer the completed or partially completed record drawings, Shop Drawings, information, and other property which, if the Contract had been completed, would be required to be furnished to the AUTHORITY;
 - g. Take such action as may be necessary, or as the Contracting Officer may direct, for the protection and preservation of the property related to the Contract which is in the possession of the CONTRACTOR and in which the AUTHORITY has or may acquire any interest.

The CONTRACTOR shall proceed immediately with the performance of the above obligations.

- 14.4.3 When the AUTHORITY orders termination of the Work effective on a certain date, all Work in place as of that date will be paid for in accordance with Article 13 of the Contract. Materials required for completion and on hand but not incorporated in the Work will be paid for at invoice cost plus 15 % with materials becoming the property of the AUTHORITY - or the CONTRACTOR may retain title to the materials and be paid an agreed upon lump sum. Materials on order shall be cancelled, and the AUTHORITY shall pay reasonable factory cancellation charges with the option of taking delivery of the materials in lieu of payment of cancellation charges. The CONTRACTOR shall be paid 10% of the cost, freight not included, of materials cancelled, and direct expenses only for CONTRACTOR chartered freight transport which cannot be cancelled without charges, to the extent that the CONTRACTOR

can establish them. The extra costs due to cancellation of bonds and insurance and that part of job start-up and phase-out costs not amortized by the amount of Work accomplished shall be paid by the AUTHORITY. Charges for loss of profit or consequential damages shall not be recoverable except as provided above.

- a. The following costs are not payable under a termination settlement agreement or Contracting Officer's determination of the termination claim:
 1. Loss of anticipated profits or consequential or compensatory damages
 2. Unabsorbed home office overhead (also termed "General & Administrative Expense") related to ongoing business operations
 3. Bidding and project investigative costs
 4. Direct costs of repairing equipment to render it operable for use on the terminated work
- 14.4.4 The termination claim shall be submitted promptly, but in no event later than 90 days from the effective date of termination, unless extensions in writing are granted by the Contracting Officer upon written request of the CONTRACTOR made within the 90 day period. Upon failure of the CONTRACTOR to submit his termination claim within the time allowed, the Contracting Officer may determine, on the basis of information available to him, the amount, if any, due to the CONTRACTOR by reason of the termination and shall thereupon pay to the CONTRACTOR the amount so determined.
- 14.4.5 The CONTRACTOR and the Contracting Officer may agree upon whole or any part of the amount or amounts to be paid to the CONTRACTOR by reason of the total or partial termination of Work pursuant to this section. The Contract shall be amended accordingly, and the CONTRACTOR shall be paid the agreed amount.
- 14.4.6 In the event of the failure of the CONTRACTOR and the Contracting Officer to agree in whole or in part, as provided heretofore, as to the amounts with respect to costs to be paid to the CONTRACTOR in connection with the termination of the Work the Contracting Officer shall determine, on the basis of information available to him, the amount, if any, due to the CONTRACTOR by reason of the termination and shall pay to the CONTRACTOR the amount determined as follows:
- a. All costs and expenses reimbursable in accordance with the Contract not previously paid to the CONTRACTOR for the performance of the Work prior to the effective date of the Notice of Termination;

- b. So far as not included under "a" above, the cost of settling and paying claims arising out of the termination of the Work under subcontracts or orders which are properly chargeable to the terminated portions of the Contract;
 - c. So far as practicable, claims by the contractor for idled or stand-by equipment shall be made as follows: Equipment claims will be reimbursed as follows:
 - 1. Contractor-owned equipment usage, based on the contractor's ownership and operating costs for each piece of equipment as determined from the contractor's accounting records. Under no circumstance, may the contractor base equipment claims on published rental rates.
 - 2. Idle or stand-by time for Contractor-owned equipment, based on your internal ownership and depreciation costs. Idle or stand-by equipment time is limited to the actual period of time equipment is idle or on stand-by as a direct result of the termination, not to exceed 30 days. Operating expenses will not be included for payment of idle or stand-by equipment time.
 - 3. Rented equipment, based on reasonable, actual rental costs. Equipment leased under "capital leases" as defined in Financial Accounting Standard No. 13 will be considered Contractor-owned equipment. Equipment leased from an affiliate, division, subsidiary or other organization under common control with you will be considered Contractor-owned equipment, unless the lessor has an established record of leasing to unaffiliated lessees at competitive rates consistent with the rates you have agreed to pay and no more than forty percent of the lessor's leasing business, measured in dollars, is with organizations affiliated with the lessor.
- 14.4.7 The CONTRACTOR shall have the right of appeal under the AUTHORITY's claim procedures, as defined in Article 15, for any determination made by the Contracting Officer, except if the CONTRACTOR has failed to submit his claim within the time provided and has failed to request extension of such time, CONTRACTOR shall have no such right of appeal. In arriving at the amount due the CONTRACTOR under this section, there shall be deducted:
- a. All previous payments made to the CONTRACTOR for the performance of Work under the Contract prior to termination;
 - b. Any claim for which the AUTHORITY may have against the CONTRACTOR;
 - c. The agreed price for, or the proceeds of sale of, any materials, supplies, or other things acquired by the CONTRACTOR or sold pursuant to the provisions of this section and not otherwise recovered by or credited to the AUTHORITY; and,
 - d. All progress payments made to the CONTRACTOR under the provisions of this section.

- 14.4.8 Where the Work has been terminated by the AUTHORITY said termination shall not affect or terminate any of the rights of the AUTHORITY against the CONTRACTOR or his Surety then existing or which may thereafter accrue because of such default. Any retention or payment of monies by the AUTHORITY due to the CONTRACTOR under the terms of the Contract shall not release the CONTRACTOR or his Surety from liability.
- 14.4.9 The contractor's termination claim may not include claims that pre dated the notice for termination for convenience. Those claims shall be prosecuted by the contractor under Article 15.
- 14.4.10 The contractor's termination claim may not exceed the total dollar value of the contract as awarded plus agreed upon change orders less the amounts that have been paid for work completed.
- a. Unless otherwise provided for in the Contract Documents, or by applicable statute, the CONTRACTOR, from the effective date of termination and for a period of three years after final settlement under this Contract, shall preserve and make available to the AUTHORITY at all reasonable times at the office of the CONTRACTOR, all its books, records, documents, and other evidence bearing on the cost and expenses of the CONTRACTOR under his Contract and relating to the Work terminated hereunder.
 - b. Cost Principles. The Authority may use the federal cost principles at 48 CFR §§ 31.201-1 to 31.205-52 (or succeeding cost principles for fixed price contracts) as guidelines in determining allowable costs under this Subsection to the extent they are applicable to construction contracts and consistent with the specifications of this Contract. The provisions of this contract control where they are more restrictive than, or inconsistent with, these federal cost principles."

ARTICLE 15 - CLAIMS AND DISPUTES

15.1 Notification

- 15.1.1 The CONTRACTOR shall notify the AUTHORITY in writing as soon as the CONTRACTOR becomes aware of any act or occurrence which may form the basis of a claim for additional compensation or an extension of Contract Time or of any dispute regarding a question of fact or interpretation of the Contract. The AUTHORITY has no obligation to investigate any fact or occurrence that might form the basis of a claim or to provide any additional compensation or extension of Contract Time unless the CONTRACTOR has notified the AUTHORITY in writing in a timely manner of all facts the CONTRACTOR believes form the basis for the claim.
- 15.1.2 If the CONTRACTOR believes that he is entitled to an extension of Contract Time, then the CONTRACTOR must state the contract section on which he basis his extension request, provide the AUTHORITY with sufficient information to demonstrate that the CONTRACTOR has suffered excusable delay, and show the specific amount of time to which the CONTRACTOR is entitled. The AUTHORITY will not grant an extension of Contract Time if the CONTRACTOR does not timely submit revised schedules under **Section 01 32 00**.
- 15.1.3 If the matter is not resolved by agreement within 7 days, the CONTRACTOR shall submit an Intent to Claim, in writing, to the AUTHORITY within the next 14 days.

- 16.1.1 If the CONTRACTOR believes additional compensation or time is warranted, then he must immediately begin keeping complete, accurate, and specific daily records concerning every detail of the potential claim including actual costs incurred. The CONTRACTOR shall provide the AUTHORITY access to any such records and furnish the AUTHORITY copies, if requested. Equipment costs must be based on the CONTRACTOR's internal rates for ownership, depreciation, and operating expenses and not on published rental rates. In computing damages, or costs claimed for a change order, or for any other claim against the Authority for additional time, compensation or both, the contractor must prove actual damages based on internal costs for equipment, labor or efficiencies. Total cost, modified total cost or jury verdict forms of presentation of damage claims are not permissible to show damages. Labor inefficiencies must be shown to actually have occurred and can be proven solely based on job records. Theoretical studies are not a permissible means of showing labor inefficiencies. Home office overhead will not be allowed as a component of any claim against the Authority.
- 16.1.2 If the claim or dispute is not resolved by the Project Manager, then the CONTRACTOR shall submit a written Claim to the Contracting Officer within 90 days after the CONTRACTOR becomes aware of the basis of the claim or should have known the basis of the claim, whichever is earlier. The Contracting Officer will issue written acknowledge of the receipt of the Claim.
- 16.1.3 The CONTRACTOR waives any right to claim if the AUTHORITY was not notified properly or afforded the opportunity to inspect conditions or monitor actual costs or if the Claim is not filed on the date required.

16.2 Presenting the Claim

- 16.2.1 The Claim must include all of the following:
- a. The act, event, or condition the claim is based on
 - b. The Contract provisions which apply to the claim and provide relief
 - c. The item or items of Contract work affected and how they are affected
 - d. The specific relief requested, including Contract Time if applicable, and the basis upon which it was calculated
 - e. A statement certifying that the claim is made in good faith, that the supporting cost and pricing data are accurate and complete to the best of your knowledge and belief, and that the amount requested accurately reflects the Contract adjustment which the CONTRACTOR believes is due.

16.3 Claim Validity, Additional Information, and AUTHORITY's Action

- 16.3.1 The Claim, in order to be valid, must not only show that the CONTRACTOR suffered damages or delay but that it was caused by the act, event, or condition complained of and that the Contract provides entitlement to relief for such act, event, or condition.

16.3.2 The AUTHORITY can make written request to the CONTRACTOR at any time for additional information relative to the Claim. The CONTRACTOR shall provide the AUTHORITY the additional information within 30 days of receipt of such a request. Failure to furnish the additional information may be regarded as a waiver of the Claim.

16.4 Contracting Officer's Decision

16.4.1 The CONTRACTOR will be furnished the Contracting Officer's Decision within 90 days, unless the Contracting Officer requests additional information or gives the CONTRACTOR notice that the time for issuing a decision is being extended for a specified period. The Contracting Officer's decision is final and conclusive unless, within 14 days of receipt of the decision, the CONTRACTOR delivers a Notice of Appeal to the Executive Director of the Authority.

16.5 Appeals on a Contract Claim.

16.5.1 An appeal from a decision of the Contracting Officer on a contract claim may be filed by the CONTRACTOR with the Executive Director of the Authority. The appeal shall be filed within 14 days after the decision is received by the CONTRACTOR. An appeal by the CONTRACTOR may not raise any new factual issues or theories of recovery that were not presented to and decided by the Contracting Officer in the decision under Section 15.4, except that a CONTRACTOR may increase the contractor's calculation of damages if the increase arises out of the same operative facts on which the original claim was based. The CONTRACTOR shall file a copy of the appeal with the Contracting Officer.

- a. An appeal must contain a copy of the decision being appealed and identification of the factual or legal errors in the decision that form the basis for the appeal.
- b. The Executive Director shall handle the appeal of a claim under this section expeditiously.

16.6 Construction Contract Claim Appeals.

16.6.1 The appeal from a decision of the Contracting Officer of a claim involving a construction contract shall be resolved by:

- a. binding and final arbitration under AS 09.43.010 - 09.43.180 (Uniform Arbitration Act) if the claim is:
 1. less than \$250,000 and the CONTRACTOR requests arbitration of the claim; or
 2. \$250,000 or more and both the agency and the CONTRACTOR agree to arbitration of the claim; or
- b. a hearing under the Authority's established policy and procedures if the claim is not handled by arbitration under 15.6.1 of this subsection.

16.7 Fraud and Misrepresentation in Making Claims

Criminal and Civil penalties authorized under State or federal law (including, but not limited to, forfeiture of all claimed amounts) may be imposed on the CONTRACTOR if the CONTRACTOR makes or uses a misrepresentation in support of a claim or defraud or attempt to defraud the AUTHORITY at any stage of prosecuting a claim under this Contract.”

PROJECT NO. 23027

DEMOLITION OF 825 W. NORTHERN LIGHTS BLVD. FORMERLY

**SECTION 00 80 00
SUPPLEMENTARY CONDITIONS**

MODIFICATIONS TO THE GENERAL CONDITIONS 00 70 00

The following supplements modify, change, delete from, or add to Section 00 70 00 "General Conditions of the Construction Contract for Buildings", revised December, 2011. Where any article of the General Conditions is modified, or a Paragraph, Subparagraph, or Clause thereof is modified or deleted by these Supplementary Conditions, the unaltered provisions of that Article, Paragraph, Subparagraph, or Clause shall remain in effect.

SC3.2 Copies of Contract Documents

Modify to say:

The AUTHORITY shall furnish copies of Contract Documents and Project Documents electronically to the CONTRACTOR. Additional copies in writing will be furnished, upon request, at the cost of reproduction

SC-12.1-WARRANTY AND GUARANTEE

At General Condition Article 12.1, add the following sentence:

"The failure of the AUTHORITY to strictly enforce the Contract in one or more instances does not waive its right to do so in other or future instances."

END OF SECTION 00 80 00

SECTION 01 12 19

CONTRACTOR'S CERTIFICATION OF SUBCONTRACTS

PART 1 – GENERAL

1.1 SECTION INCLUDES

- A. Procedures for preparing, submitting and accepting subcontracts.

1.2 RELATED REQUIREMENTS

- A. Section 00 10 00 – Information to Bidders.
- B. Section 00 43 00 – Subcontractor List.
- C. Section 00 70 00 – General Conditions: Subcontractor Certification and Approval.
- D. Section 00 80 00 – Supplementary Conditions: Subcontract Provisions.
- E. Section 01 33 00 – Submittal Procedures.

1.3 PREPARATION OF CERTIFICATION

- A. Certification Forms: Use forms provided by the Authority.
- B. Contractor shall prepare certification form. Where required, attach additional information to the certification form.
- C. Substitute certification forms will not be considered.

1.4 SUBMITTAL OF CERTIFICATION

- A. The Contractor shall submit certification forms for all subcontractors for review and approval by the Authority.

1.5 CONSIDERATION OF CERTIFICATION

- A. Following receipt of submitted subcontractor certification forms, the Authority will review for the following, at minimum:
 - 1. Completeness of forms and attachments
 - 2. Proper execution (signatures) of forms and attachments
- B. Incomplete or improperly executed subcontractor certification forms will be returned to the Contractor for revision and resubmittal.

- C. Contractor shall remove its subcontractor from the project site until its subcontractor certification form is submitted, reviewed, and approved.
- D. The Authority will not process payments for work performed by a non-certified subcontractor.

1.6 ACKNOWLEDGMENT OF CERTIFICATION

- A. Submittals which have been examined by the Authority and are determined to be complete and properly executed shall be acknowledged as such by the Project Manager's signature.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION (NOT USED)

END OF SECTION

Summary of Work

General Information

1. **Purpose of this Invitation to Bid (ITB):** Alaska Industrial Development and Export Authority (AIDEA), is soliciting detailed bids from qualified Demolition Companies (Bidders) interested in providing the following services:

Complete demolition for AIDEA property located at 825 West Northern Lights Boulevard, Anchorage, AK 99503 (Premises).

AIDEA envisions 1) Bidders submitting their bids by **19 October 2022, by 2:30PM, AST.**

2. **Business License/Insurance Requirement:** All Bidders must have a valid Alaska Business License prior to award of Contract and must furnish said license and valid Certificate of Insurance to AIDEA prior to execution of Contract. The Certificate of Insurance must include Worker's Compensation Insurance, Employer's Liability Insurance, Comprehensive General Liability Insurance, Professional Liability Insurance and Automobile Liability Insurance.

Bidder must maintain Professional Liability Insurance in an amount not less than one million dollars (\$1,000,000.00) aggregate to protect the Proposer from any claims or damages for any error, omission, or negligent act of the Proposer, the Proposer's firm and employees. This requirement applies to the Bidder's firm, the Bidder's subcontractors and assignees, and anyone directly or indirectly employed to perform work under this Contract.

Insurance shall name AIDEA as additional insured, except for Worker's Compensation. All insurance policies shall comply with and be issued by insurers licensed to transact the business of insurance under Alaska Statutes. Failure to furnish satisfactory evidence of insurance or lapse of the policy is viewed as a material breach of this ITB and shall be grounds for being deemed non-responsive. All insurance companies obligated under the described policies must have a best rating of "A - VII" or better as identified in the *A.M. Best Insurance Rating Guide*, most recent edition.

3. **Minimum Requirements:** Every Bidder to this ITB must meet the following minimum requirements to be considered responsive to this ITB:

Five (5) years' experience in Demolition Services for commercial properties similar to subject premises.

4. **Conflict of Interest:** If any Bidder, or Bidder's employee, subcontractor, or any individual working on the proposed Contract may have a possible conflict of interest that may affect the objectivity, analysis and/or performance of the Contract, it shall be declared in writing and submitted to AIDEA within ten (10) days of issuance of this ITB. AIDEA shall determine in writing if the conflict is significant and material and if so, may eliminate the proposer from submitting a proposal.

5. **Contact Person:** Any information required or questions regarding this ITB should be addressed/emailed and/or delivered to:

Notices:	By Mail: AIDEA 813 W. Northern Lights Boulevard Anchorage, AK 99503	In Person: AIDEA 813 W. Northern Lights Boulevard Anchorage, AK 99503
----------	--	--

Attn: Cris Chavez, Procurement Specialist

Email: cchavez@aidea.org

Phone: 907-771-3992

6. **Deadline for Receipt of Bids:** Bids may be emailed, mailed, or hand delivered, as long as one (1) original is physically received by AIDEA no later than **October 19, 2022 before 2:30 PM AST**. Attached bid documents shall be returned and signed by authorized representative.

7. **Disclosure of Bidder's Contents:** A bidder's content shall not be disclosed to other Bidders under any circumstances.

8. **Cost of Bid Presentation:** Any and all costs incurred by Bidder in preparing and submitting a proposal are the Bidders responsibility and shall not be charged to AIDEA or reflected as an expense of the resulting Contract.

9. **Delivery of Bid:** AIDEA assumes no responsibility or liability for the transmission, delay, or delivery of proposals by either public or private carriers.

10. **Binding Contract:** This ITB does **NOT** obligate AIDEA or the selected Bidder until a Contract is signed and approved by both parties.

11. **Additional Terms & Conditions:** AIDEA reserves the right to include additional terms and conditions during the Contract negotiations. However, these terms and conditions must be within the scope of the original ITB.

Section 01 11 13

Contractor requirements

- 1) All planned demolition work to be performed by journeyman level technicians
- 2) Contractor must be qualified to perform all demolition requirements within this SOW and must maintain active licenses within the State of Alaska and the MOA
- 3) ITB responses should include an overview of the bidder's organization, resumes of key personnel, and an onboarding plan for commencement of services as well as hand off to AIDEA's management team

Blues Central Demolition

- 1) Bid to include the following:
- 2) Provide all supervision, labor, equipment, fuel, transportation, materials, insurance, MOA permitting, regulatory notifications, all demolition, disposal and installation required
- 3) **Site visit/walkthrough on October 11, 2022 @ 2:00 PM.**
- 4) MOA Demolition permit
- 5) EPA Permit
- 6) Demolition work plan
- 7) Coordinate with utilities and proposers mechanical/electrical team for all utility disconnects and cap per utility standards below grade (AWWU, GCI, Guardian, Enstar, Chugach Electric)
 - a. All utilities to be capped at property line.
 - b. AIDEA will commit to termination at mains for water & sewer with AWWU in the form of a memorandum to the record and a surety bond
- 8) Demolition, transport and disposal of all debris from the existing building, including bollards, black iron fencing and foundation to OSHA, NESHAP, EPA and MOA standards
- 9) Removal of chiller/fan on roof with proof that Freon was removed and properly disposed
- 10) Removal of all hazardous materials specified in the attached Pre-Demolition Hazardous Materials Assessment
- 11) Do no harm to existing Billiard's Palace building
- 12) Do no harm to existing Chugach Transformer on the NE corner of the property
- 13) Air monitoring with results provided to AIDEA & EHS upon project completion
- 14) Backfill with track walked compaction of foundation with borrow grade material
- 15) Temporary/Permanent 6' tall galvanized fencing on the north and south end with top barbed wire to completely restrict vehicle and pedestrian access between AIDEA & Billiard's Palace buildings
- 16) Demolition completion report
- 17) Work to be substantially completed by November 30, 2022; Final completion by December 31, 2022

The Bidder, in compliance with the Invitation to Bid dated October 19, 2022 for Blues Central Demolition for AIDEA property located at 825 West Northern Lights Boulevard, Anchorage, AK 99503 having examined the ITB, its attachments and related documents and their instructions, and being familiar with the site of the proposed work and with all of the conditions surrounding the working of the proposed project including the scope of work, hereby agrees to perform all work, to provide all services in accordance with the ITB set forth herein, and to do so at the prices stated in its Bid. These prices are to cover all expenses incurred in performing the work required.

After Bids are received, tabulated, and evaluated by AIDEA, and the successful Proposer for the work has been determined, a representative from AIDEA, shall notify Bidder of acceptance.

Submitted By:

Signature: _____ Date: _____

Print: _____

Title: _____

Business Name: _____

Business Address: _____

City, State, Zip: _____

Alaska Business License: _____

Demolition of 825 W. Northern Lights
Blvd. formerly known as The Chefs Inn

PROJECT: Demolition of 825 W. Northern Lights Blvd formerly known as Chefs Inn PROJ. #: 23027

Subcontractor Name: _____

c. Does the evidence of insurance list the Authority as an "Additional Insured" or "Certificate Holder"?

Yes No

d. Does the evidence of insurance commit to providing 30 day written notice of cancellation or reduction of any coverage?

Yes No

e. Insurance Expiration dates:

Comprehensive or Commercial General Liability: _____

Automobile: _____ Workers' Compensation: _____

(Other): _____

9. Copies of the following professional certifications, licenses, and registrations are attached (circle all that apply):

Business License (mandatory)

Contractor License (mandatory)

Land Surveyor's License

Electrical Administrator's License (mandatory for electrical subs)

Mechanical Administrator's License (mandatory for mechanical subs)

Engineer/Architect

Other: _____

10. Exceptions to any of the above are explained as follows: _____

CERTIFICATION (to be completed and signed by PRIME CONTRACTOR): I certify all the above to be true and correct.

Signature: _____

Printed Name: _____

Company: _____

Date: _____

AUTHORITY'S APPROVAL/DISAPPROVAL

The subject subcontract is **APPROVED**. Nothing in this approval should be construed as relieving the Prime Contractor of the responsibility for complete performance of the work or as a waiver of any right of the Approval to reject defective work.

Signature: _____ Project Manager _____

Date: _____

The subject subcontract is **NOT APPROVED** for the following reasons:

NESHAP PRE-DEMOLITION HAZARDOUS MATERIALS ASSESSMENT



**825 W. NORTHERN LIGHTS BLVD.
ANCHORAGE, ALASKA 99503**

**Surveyed
June 23, 2022**

**Report Date
July 25, 2022**

EHS-ALASKA, INC.
ENGINEERING, HEALTH & SAFETY CONSULTANTS
11901 BUSINESS BLVD., SUITE 208
EAGLE RIVER, ALASKA 99577-7701

**NESHAP PRE-DEMOLITION
HAZARDOUS MATERIALS ASSESSMENT
825 W. NORTHERN LIGHTS BLVD.**

ANCHORAGE, ALASKA 99503

TABLE OF CONTENTS

	PAGE NO.
OVERVIEW	3
A. GENERALIZED REQUIREMENTS FOR HAZARDOUS MATERIALS	3
B. BUILDING DESCRIPTION	4
C. SAMPLING AND ANALYSIS	4
1. Asbestos-Containing Materials	4
2. Lead-Containing Materials	5
3. Testing of Paints and Sealants for PCB's	6
D. SURVEY RESULTS	6
1. Asbestos-Containing Materials	6
2. Asbestos in Dusts	10
3. Lead-Containing Materials	11
4. PCB-Containing Materials	12
5. Mercury-Containing Materials	12
6. Other Hazardous Materials	13
E. REGULATORY CONSTRAINTS	13
1. Asbestos-Containing Materials	13
2. Dusts with Asbestos	14
3. Lead-Containing Materials	14
4. PCB-Containing Materials	15
5. Mercury-Containing Materials	15
6. Other Hazardous Materials	16
F. RECOMMENDATIONS	16
1. Asbestos-Containing Materials	16
2. Dusts with Asbestos	16
3. Lead-Containing Materials	16
4. PCB-Containing Materials	16
5. Mercury-Containing Materials	17
6. Other Hazardous Materials	17
G. LIMITATIONS	17
1. Accuracy of Information	17
2. Site Conditions	17
3. Changing Regulatory Constraints	17

APPENDICES

Appendix A	Asbestos Bulk Field Survey Data Sheets and Lab Reports
Appendix B	Lead TCLP Field Survey Data Sheets and Lab Reports
Appendix C	Lead Analyzer Test Results
Appendix D	Drawings of Sample Locations

**NESHAP PRE-DEMOLITION
HAZARDOUS MATERIALS ASSESSMENT
825 W. NORTHERN LIGHTS BLVD.**

ANCHORAGE, ALASKA 99503

OVERVIEW

The Alaska Industrial Development and Export Authority (AIDEA) requested EHS-Alaska Inc., perform a hazardous materials survey of the building located at 825 W. Northern Lights Blvd., in Anchorage, Alaska. The purpose of the haz-mat survey was to determine the presence of asbestos-containing materials (ACM), and other potentially hazardous materials as part of the EPA NESHAP requirements prior to demolition. The survey also provided a “good faith” inspection for hazardous materials that may be disturbed during the demolition. The proposed work includes the disturbance, demolition, removal, and disposal of lead-containing paints and/or lead-containing materials. Mr. Eric T. McComb and Mr. Martin K. Schwan, of EHS-Alaska, Inc. (EHS-Alaska) conducted the inspections in June 2022. It will be the contractor’s responsibility to take this baseline data, and to conduct hazardous materials removal in compliance with all regulatory requirements.

A. GENERALIZED REQUIREMENTS FOR HAZARDOUS MATERIALS

Potentially hazardous materials have been identified in building located at 825 W. Northern Lights Blvd., which will be affected by the proposed demolition. Those materials include asbestos, lead, polychlorinated bi-phenyls (PCBs), mercury, and radioactive materials. Not all materials were tested for potentially hazardous components, other potentially hazardous materials, including those exterior to the building, such as contamination from underground fuel tanks may be present, but are not part of this report.

Buildings or portions of buildings that were constructed prior to 1978 which are residences, or contain day care facilities, kindergarten classes or other activities frequently visited by children under 6 years of age are classified as *child occupied facilities*. All work which is NOT classified as “minor repair and maintenance activities” (as defined by the regulations), that takes place in the “*child occupied*” portions of facilities must comply with the requirements of 40 CFR 745. This building is not classified as a *child occupied facility* and therefore the requirements of 40 CFR 745 are not applicable.

The removal and disposal of potentially hazardous materials are highly regulated, and it is anticipated that removal and disposal of asbestos, lead and chemical hazards will be conducted by a subcontractor to the general contractor who is qualified for such removal. It is anticipated that the general contractor and other trades will be able to conduct their work using engineering controls and work practices to control worker exposure and to keep airborne contaminants out of occupied areas of the building.

Settled and concealed dusts in areas not subject to routine cleaning are present throughout the building, including the roof, and inside and on top of architectural, mechanical, electrical, and structural elements, and those dusts are assumed to contain regulated air contaminants. This should not be read to imply that there is an existing hazard to building occupants (normal occupants of the building as opposed to construction workers working in the affected areas). However, depending on the specific work items involved and on the means and methods employed when working in the affected areas, construction workers could be exposed to regulated air contaminants from those dusts in excess of the OSHA Permissible Exposure Limits (PELs).

The settled and concealed dusts were examined by an EPA Certified Building Inspector but were not sampled. The inspector determined that the dusts are not “asbestos debris” from an asbestos-containing building material (ACBM). Based on similar sampling from similar buildings, the inspector also determined that the dusts are unlikely to contain more than one percent (1%) asbestos by weight, and therefore are not an asbestos-containing material (ACM). Reference 40 CFR 763.83.

“Awareness training” (typically 2 hours) and possibly respiratory protection will be required for all Contractor Personnel who will be disturbing the dusts. The extent of the training and protective measures will depend upon the airborne concentrations measured during air monitoring of the contractors work force, which depends on the means and methods employed to control the dusts. The air monitoring may be discontinued following a “negative exposure assessment” showing that worker exposures are below the OSHA permissible exposure limits for the type of work and means and methods employed. Previous air monitoring from similar jobs with similar conditions may be used as historical data to establish a “negative exposure assessment.”

B. BUILDING DESCRIPTION

The unoccupied single story building of approximately 2,265 square feet in area was constructed in 1964 with concrete masonry unit (CMU) exterior walls which appeared to be fully grouted as determined by drilling into the cells of the CMU in several areas. The CMU walls were typically furred out and covered on the inside and insulated with fiberglass insulation and vapor barrier. The historic use of the building was as a bar with a small restaurant.

The roof is flat and covered with what appears to be 2 layers of built-up roofing over an underlayment, ½” fiber board and 1” Styrofoam on tongue and groove wood decking supported by east-west spanned glulam beams spaced at approximately 12 foot on center. There is no attic space. There are 2 air handling units, and remnants of two former kitchen exhaust ducts mounted on the roof. Other penetrations include plumbing vents, gas-fired hot water heater exhaust stack, kitchen exhaust venting, and electrical conduit.

The interior partitions were primarily of framed construction. The interior walls were typically gypsum wallboard with a light orange peel texture including in the restrooms. A wood panel wainscot was on the walls of the bar and fiber re-enforced plastic (FRP) was present on the walls of the kitchen. A heavy knockdown texture was noted in the entry vestibule and directly over the bar on the lower ceiling.

Floor finishes were of vinyl composition tile in the kitchen, carpet and faux wood laminate flooring in the bar, and ceramic tiles in the restrooms and hallway to the restrooms. All flooring was placed on concrete and there are some areas in the bar which have an elevated platform where the band played or where there were either booths or tables. A small dance floor in front of the band platform had wood flooring over concrete. There is an interstitial space under the floor behind the bar where there was a floor sink and access hatch for the plumbing. Note the floor is failing around the floor sink behind the bar.

The building was heated by 2 rooftop units. Ducting was noted in the area above the lower ceiling above the bar. Hot water was supplied by a hot water heater located in a separate room located in the NE corner in the janitor’s closet. The heating and domestic water piping was insulated with fiberglass

C. SAMPLING AND ANALYSIS

1. Asbestos-Containing Materials

The survey included sampling of suspect ACM materials as there apparently had been no prior asbestos surveys.

The samples were analyzed for the presence of asbestos using polarized light microscopy (PLM), analysis, as recommended by EPA, to determine the composition of suspected ACMs (EPA method 600/M4-82-020). Only materials containing more than 1% total asbestos were classified as “asbestos-containing” based on EPA and OSHA criteria. Samples analyzed to have less than 10% asbestos were “point-counted” by the laboratory for more accuracy. Samples listed as having a “Trace by Point Count” had asbestos fibers found in the material, but the fibers were not present at the counting grids. Table 1 in Part D below contains a summary list of the asbestos bulk samples and the applicable results.

The Bulk Asbestos samples were analyzed for asbestos content by International Asbestos Testing Laboratories (IATL), Mt. Laurel, New Jersey a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory.

EPA regulations under 40 CFR 763 require the use of PLM to determine whether or not a material contains asbestos. While PLM analysis does a good job for most materials, it does have some limitations. Fibers may be undetectable if their small size prevents visibility under a standard optical microscope, or if they are bound in an organic matrix to the point that the fibers are obscured. At the discretion of the building inspector and the client, some types of samples may be analyzed or re-analyzed by what is called Transmission Electron Microscopy for Non-Friable Organically Bound (TEM NOB) materials. TEM NOB is the definitive method for determining if asbestos is present, but TEM NOB use is not required by the EPA. TEM NOB analysis was not done for this project.

Field survey data sheets and laboratory reports of the bulk samples are included in Appendix A. Field survey data sheets and laboratory reports of the dust sampling for asbestos are included in Appendix B. Drawings showing sample locations are included as Appendix D.

2. Lead-Containing Materials

Nearly all surfaces in the building were coated with paint and most surfaces had been repainted. EHS-Alaska tested representative paints throughout the affected areas of the building using an Heuresis Pb200i X-Ray Fluorescence (XRF) lead paint analyzer (Serial # 1770 with software version 4.0-21). The lead testing conducted was not a Lead-Based Paint Inspection or Screening as defined by Department of Housing and Urban Development (HUD) or EPA regulations but was done to test surfaces that may be representative of those likely to be affected by this project. If surfaces and materials other than those tested are identified, the Contractor shall test and treat appropriately. Refer to the Lead Analyzer Test Results Table in Appendix C that identifies the surfaces tested, and the results. The Lead Test Locations are shown in Appendix D.

EPA and HUD have defined lead-based paint as any paint or other surface coating that contains lead equal to or in excess of 1.0 milligram per square centimeter (mg/cm^2) or 0.5 percent by weight. XRF results are classified as positive (lead is present at $1.0 \text{ mg}/\text{cm}^2$ or greater), negative (less than $1.0 \text{ mg}/\text{cm}^2$ of lead was present) or inconclusive (the XRF could not make a conclusive positive or negative determination). Tests that were invalid due to operator error are shown as void tests.

A Performance Characteristic Sheet (PCS) for the Heuresis Pb200i is available upon request. This PCS data provides supplemental information to be used in conjunction with Chapter 7 of the "HUD Guidelines". Performance parameters provided in the PCS are applicable when operating the instrument using the manufacturer's instructions and the procedures described in Chapter 7 of the "HUD Guidelines". The instrument was operated in accordance with manufacturer's instructions and Chapter 7 of the HUD Guidelines. No substrate correction is required for this instrument. There is no inconclusive classification for this instrument when using the $1.0 \text{ mg}/\text{cm}^2$ threshold.

Toxicity Characteristics Leaching Procedure Testing

One composite sample of representative portions of the various materials from the building was collected and analyzed for lead content in accordance with the EPA Toxicity Characteristic Leaching Procedure.

The composite sample contained approximately 20 sub-samples of appropriate proportions of building materials expected to be part of the building waste stream. The proportionate number of sub-samples of each building components were determined by estimating the area of each component and calculating a ratio from the total areas of all components. Core sub-samples were obtained from each material sampled using a hole saw drill for soft materials and a hammer drill or sledgehammer for hard materials such as concrete masonry units and concrete. Chain of custody sheets and lab results are included in Appendix B.

The sample was thoroughly mixed/homogenized by the laboratory before preparing it for analysis. Solid samples were extracted using EPA method 1311 and the samples were analyzed using EPA Method 7420.

The composite TCLP sample was analyzed by International Asbestos Testing Laboratories (IATL), Mt. Laurel, New Jersey. IATL is an American Industrial Hygiene Association (AIHA) accredited laboratory.

3. Testing of Paints and Sealants for PCB's

No testing of paints or sealants for PCB's was authorized for this project, and no sampling occurred.

D. SURVEY RESULTS

1. Asbestos-Containing Materials

The following Table 1A lists the samples taken in June 2022, and the results of the laboratory analysis. Asbestos field survey data sheets and laboratory reports are included as Appendix A. Refer to Appendix E for sample locations.

TABLE 1A

SAMPLE NUMBER	MATERIAL	LOCATION	ASBESTOS CONTENT
WNL0622-A01	Gray sealant	Entry Vestibule: left side of south door between metal door frame and painted CMU. Photo 264 MKS	None Detected
WNL0622-A02	CT-2: Heavy knock down ceiling texture, off-white	Entry Vestibule: NW quadrant of the vestibule on GWB. Photo 265 MKS	1.2% Chrysotile
WNL0622-A03	CB-1: 4" black vinyl cove base, light brown soft mastic, rust brown brittle mastic	Entry Vestibule: east end of the north wall on painted yellow CMU. Photo 267 MKS	Both Layers - None Detected
WNL0622-A04	Gray sealant	Entry Vestibule: left side of east door between metal door frame and painted CMU. Photo 268 MKS	None Detected
WNL0622-A05	Tan wood wainscot mastic	Lounge: south wall common to entry vestibule, near center behind wood wainscot, on GWB. Photo 269 MKS	None Detected
WNL0622-A06	Remnant construction adhesive, hard solid brown. Lab also identified White Joint Compound	Lounge: south wall common to entry vestibule, above wainscot, on wallpaper over GWB. Photo 271 MKS	Both Layers - None Detected
WNL0622-A07	White joint compound	Lounge: south wall common to entry vestibule, near center behind wood wainscot, on GWB. Photo 273 MKS	None Detected
WNL0622-A08	Rust-brown, brittle carpet mastic	Lounge: SE side on raised floor in front of the entry vestibule, along edge of wall, on plywood. Photo 274 MKS	None Detected
WNL0622-A09	White joint compound, clear contact cement. Lab only reported JC	Lounge: SW corner, above the wainscot, on the plywood corner seam. Photo 284 MKS	JC - None Detected
WNL0622-A10	Tan wood wainscot mastic	Lounge: south end of the west wall, between wood wainscot and plywood-covered wall. Photo 286 MKS	None Detected
WNL0622-A11	Rust-brown, brittle carpet mastic	Lounge: south end adjacent to bar, on the concrete slab. Photo 287 MKS	None Detected

SAMPLE NUMBER	MATERIAL	LOCATION	ASBESTOS CONTENT
WNL0622-A12	Soft pliable brown wood floor tile adhesive	Lounge: north end of dance floor adjacent to the stage, on concrete slab. Photo 289 MKS	None Detected
WNL0622-A13	Rust-brown, soft carpet mastic	Lounge: north end adjacent to the stage, on concrete slab. Photo 289 MKS	None Detected
WNL0622-A14	Tan, brittle carpet mastic	Lounge: SE corner of raised floor for the stage. Photo 291 MKS	None Detected
WNL0622-A15	CT-2: Heavy knock down ceiling texture, off-white	Lounge: SW portion of lower ceiling above bar, on GWB. Photo 292 MKS	None Detected
WNL0622-A16	CB-1: 4" black vinyl cove base, light brown soft mastic, rust-brown brittle mastic. Lab did not identify "rust-brown" mastic	Lounge: west face of the bar, near floor drain, on bar wood paneling. Photo 300 MKS	Cove Base & Tan Mastic – None Detected
WNL0622-A17	WT-1: light orange peel wall texture	Women's Restroom: west wall, on GWB. Photo 301 MKS	None Detected
WNL0622-A18	WT-1: light orange peel wall texture, white joint compound. Lab did not identify joint compound	Women's Restroom: corner of wall to the east of the door, on seam between OSB and GWB. Photo 302 MKS	Wall texture - None Detected
WNL0622-A19	Black sealant	Women's Restroom: west wall between countertop and mirror. Photo 303 MKS	None Detected
WNL0622-A20	CB-1: 4" black vinyl cove base, light brown soft mastic, rust-brown brittle mastic	Women's Restroom: GWB section of wall to the east of the door, base of wall on GWB. Photo 309 MKS	All 3 layers – None Detected
WNL0622-A21	Off-white GWB	Women's Restroom: east wall near toilet. Photo 310 MKS	None Detected
WNL0622-A22	Light brown hard mirror puck mastic	Men's Restroom: west wall behind the mirror on FRP. Photo 313 MKS	None Detected
WNL0622-A23	Light brown FRP mastic	Men's Restroom: west wall near urinal, on plywood. Photo 316 MKS	None Detected
WNL0622-A24	White sealant	Men's Restroom: west wall near urinal, at seam between the FRP and the wood cove base. Photo 318 MKS	None Detected
WNL0622-A25	Off-white sealant	Men's Restroom: west wall at base of the toilet on ceramic floor tiles. Photo 319 MKS	None Detected
WNL0622-A26	Black roofing hot mop	Main Roof: south end of the roof edge, between top sheet rooftop layer and particle board underlayment. Photo 366 MKS	None Detected
WNL0622-A27	Black tar (top) on hot mop	Vestibule Roof: south end of the building near vestibule roof and CMU wall transition. Photo 364 MKS	7.3% Chrysotile
WNL0622-A28	Black rubberized top roof layer, black tar	Main Roof: SE Corner of the building, on particle board underlayment. Photo 365 MKS	None Detected

SAMPLE NUMBER	MATERIAL	LOCATION	ASBESTOS CONTENT
WNL0622-A29	Black torch down, black tar. Lab did not identify black tar	Vestibule Roof: south end of the building near vestibule roof edge. Photo 351 MKS	Underlayment – None Detected
WNL0622-A30	Black, hot mop	Main Roof: SW section of the roof, below the RTU, curb to roofing seam sealant. Photo 378 MKS	None Detected
WNL0622-A31	Black asphaltic rolled roofing, black tar. Lab did not identify black tar	Main Roof: SW quadrant, on the west long curb for roof-mounted appurtenances, near the RTU. Photo 369 MKS	Black Asphalt - None Detected
WNL0622-A32	Grey duct sealant	Main Roof: NW section of roof, on kitchen exhaust ducting seams. Photo 373 MKS	None Detected
WNL0622-A33	Black torch down, black tar. Lab did not identify black tar	Main Roof: near center, 4 th layer of roof core under Styrofoam and on wood. Photo 375 MKS	Black Roof Material – None Detected
WNL0622-A34	Black torch down roof layer, black tar	Main Roof: near center, top layer of roof core on fiber board. Photo 375 MKS	None Detected
WNL0622-A35	Black roof patching tar	Main Roof: NW section of roof, patch tar for electrical conduit roof penetration. Photo 376 MKS	6.8% Chrysotile
WNL0622-A36	Fiber reinforced gasket, black pliable sealant with a woven matrix	Main Roof: NW section of roof, gasket for kitchen exhaust duct access panel. Photo 377 MKS	None Detected
WNL0622-A37	Grey sealant	Main Roof: NW section of roof, sealant on seam between north kitchen exhaust duct and metal curb. Photo 380 MKS	None Detected
WNL0622-A38	Black hard tar splatter	Main Roof: NW section of roof, on kitchen exhaust curb. Photo 379 MKS	None Detected
WNL0622-A39	Black rubberized top roof layer, black tar. Lab did not identify black rubberized roof layer	Main Roof: North end of roof near center, top layer of roof core on particle board. Photo 385 MKS	Black Tar - None Detected
WNL0622-A40	Black roof underlayment	Main Roof: North end of roof near center, 4 th layer of roof core under Styrofoam and on wood. Photo 385 MKS	None Detected
WNL0622-A41	Dark grey sealant	Main Roof: North end of roof near center, duct sealant for air intake, on green painted metal ducting. Photo 387 MKS	None Detected
WNL0622-A42	Duct lining, brown mastic	Main Roof: North end of roof near center, liner for inside of air intake system, prior to filters. Photo 391 MKS	None Detected
WNL0622-A43	Black hard roof patching tar	Main Roof: North end of roof near center, on built-up curb for RTU. Photo 396 MKS	1.5% Chrysotile
WNL0622-A44	Black patching tar	Main Roof: North end of roof near center, vent pipe roof penetration near RTU curb. Photo 395 MKS	None Detected

SAMPLE NUMBER	MATERIAL	LOCATION	ASBESTOS CONTENT
WNL0622-A45	Grey sealant	Exterior North Side: on the east facing wall adjacent to the mechanical room, between CMU and plastic vent housing. Photo 405 MKS	None Detected
WNL0622-A46	Dark grey sealant	Exterior North Side: on the east facing wall common to the mechanical room. around combustion air vent on CMU. Photo 402 MKS	None Detected
WNL0622-A47	Brown Sealant	Exterior North Side: on north facing wall adjacent to the men's restroom on exhaust fan opening (?). Photo 400 MKS	None Detected
WNL0622-A48	Black putty-like penetration sealant	Exterior North Side: on the north facing wall adjacent to the mechanical room. Sealant on CMU for electrical penetration. Photo 406 MKS	None Detected
WNL0622-A49	Off-white hard door sealant	Exterior North Side: on the north facing exterior door frame, between metal and CMU. Photo 409 MKS	None Detected
WNL0622-A50	Off-white FRP mastic	Kitchen Serving Hall: west wall, behind FRP wainscot on GWB. Photo 411 MKS.	None Detected
WNL0622-A51	White joint compound.	Kitchen Serving Hall: west wall, behind FRP wainscot on GWB. Photo 414 MKS.	None Detected
WNL0622-A52	White joint compound, GWB	Kitchen Serving Hall: SW corner, above FRP wainscot on GWB. Photo 415 MKS.	Both Layers - None Detected
WNL0622-A53	Grey floor leveling compound	Kitchen Serving Hall: under laminate flooring at the threshold going into the kitchen, on concrete slab. Photo 417 MKS.	None Detected
WNL0622-A54	FT-1: Solid core black 12" x 12" floor tile, brown mastic	Kitchen: south side, on concrete slab. Photo 418 MKS.	Both Layers - None Detected
WNL0622-A55	FT-2: Solid core white 12" x 12" floor tile, brown mastic	Kitchen: south side, on concrete slab. Photo 418 MKS.	Both Layers - None Detected
WNL0622-A56	White brittle FRP mastic. Lab characterized the sample as white non-fibrous and tan mastic	Kitchen: south wall on GWB under FRP. Photo 419 MKS.	Both Layers - None Detected
WNL0622-A57	CB-2: black 6" cove base, with tan mastic	Kitchen: south east corner, on FRP. Photo 420 MKS.	Both Layers - None Detected
WNL0622-A58	White GWB, FRP tan mastic	Kitchen: north wall, right side of door behind FRP. Photo 421 MKS.	Both Layers - None Detected
WNL0622-A59	FT-1: Solid core black 12" x 12" floor tile, brown mastic	Kitchen: north side, on concrete slab. Photo 423 MKS.	Both Layers - None Detected
WNL0622-A60	FT-2: Solid core white 12" x 12" floor tile, brown mastic	Kitchen: north side, on concrete slab. Photo 423 MKS.	Both Layers - None Detected
WNL0622-A61	White skim coat wall covering	Storage Room: west wall texture on GWB. Photo 424 MKS.	1.3% Chrysotile

SAMPLE NUMBER	MATERIAL	LOCATION	ASBESTOS CONTENT
WNL0622-A62	Tan heat shield mastic	Men's Restroom: center of ceiling light fixture. Photo 565 ETM	None Detected
WNL0622-A63	CB-3: Tan 4" cove base with light tan mastic	Janitor's Room: south wall, on GWB. Photo 427 MKS	Both Layers - None Detected
WNL0622-A64	White joint compound and tape. Lab did not analyze the tape.	Janitor's Room: center of ceiling. Photo 428 MKS	JC - None Detected
WNL0622-A65	CB-3: Tan 4" cove base with light tan mastic	Janitor's Room: north wall on CMU. Photo 426 MKS	Both Layers - None Detected
WNL0622-A66	FT-2: Solid core white 12" x 12" floor tile, brown mastic	Janitor's Room: near north wall on concrete slab. Photo 425 MKS	Both Layers - None Detected
WNL0622-A67	FT-1: Solid core black 12" x 12" floor tile, brown mastic	Janitor's Room: near north wall on concrete slab. Photo 425 MKS	Both Layers - None Detected
WNL0622-A68	CT-1: White light orange peel ceiling texture	Kitchen: near center of ceiling, on GWB. Photo 580 ETM	None Detected
WNL0622-A69	FRP mastic, hard, brittle	North entrance: behind FRP on wood framing at door to kitchen. Photo 429 MKS	None Detected
WNL0622-A70	CB-1: Black 4" cove base. Lab identified off-white mastic.	North entrance: base of storage shelves, on wood shelf framing. Photo 430 MKS	Both Layers - None Detected
The testing method used (polarized light microscopy [PLM]) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation should be made by quantitative transmission electron microscopy (TEM).			

The following materials have been found to contain asbestos in this or previous surveys or were assumed to contain asbestos.

1. Heavy knock down ceiling texture.
2. Skim Coat on exposed interior GWB walls in storage room.
3. Patching tars on built-up roofing

The effects of the above asbestos-containing materials on the proposed demolition are discussed below.

Wall and Ceiling Texturing Compound

Texturing was troweled on the ceiling in the Entry Vestibule and on the lower ceiling over the bar that contain asbestos. An asbestos-containing "skim-coat" was also on the walls and ceiling in the storage room in the NW corner of the building adjacent to the kitchen. The texturing was in good condition and is not currently friable due to being coated with paint. The texturing will typically become friable during disturbance or removal and is considered Class 1 asbestos work. The texturing will be removed by this project.

Roofing

Roofing over the building is multiple layers of built-up roofing with numerous patches and patching tars which contains asbestos. The roofing materials will be removed by this project.

2. Asbestos in Dusts

The settled and concealed dusts were examined by an EPA Certified Building Inspector but no samples for asbestos in dusts were authorized for this project. Based on their visual inspection and experience from similar buildings, the inspector determined that the typical settled and concealed dusts are not "asbestos debris" from an asbestos-containing building material (ACBM). Based on similar sampling from similar

buildings, the inspector also determined that the dusts are unlikely to contain more than one percent (1%) asbestos by weight, and therefore are not an asbestos-containing material (ACM).

3. Lead-Containing Materials

Lead-Testing

EHS-Alaska tested paint and other materials throughout the affected areas of the building using a Heuresis XRF lead paint analyzer. Lead in paints tested varied from a trace amount to 13 mg/cm². Lead in other materials tested varied from a trace amount to 63 mg/cm² which was found in the solder on copper piping. Refer to the Lead Analyzer Test Results Table in Appendix C that identifies the surfaces tested, and the results. The Lead Test Locations are shown in the Drawings in Appendix D.

Paints

There were varying lead contents found in the paints, based on what surfaces they are on, with most surfaces containing little lead (but are still classified as lead-containing materials by OSHA). The highest levels of lead were found on the exterior side of the CMU along the south side, with lower levels on walls and other painted surfaces, and lowest levels on pre-finished materials.

Lead based paints (paint containing more than 1.0 mg/cm² of lead) were identified in the project on the exterior side of the CMU walls and on metal piping. Lead was detected at very low levels in most of the painted floor, wall, and ceiling surfaces. XRF testing is not able to “prove” that “no” lead exists in the paint. Low levels of lead found by XRF testing does not mean that the paints are free of lead, the paints may contain lead. However, these paints may not present a hazard to occupants or workers performing renovation or demolition if lead-safe work practices are followed.

Ceramic Wall Tile and Glazing

Relatively high concentrations of lead were found in the glazing of the pink sink in the women’s restroom. The concentrations of lead in ceramic glazing compounds should not be compared to lead-based paint criteria, as the glazing is inherently less likely to cause lead to be present in dusts or on surfaces, where it can be ingested. Lead in ceramic tile glazing may not pose a hazard to occupants, or workers performing demolition if lead-safe work practices are followed. All ceramic tiles and fixtures in the facility should be assumed to contain lead.

Plastic Components

Low concentrations of lead were found in plastic components, such as Fiber Reinforced Plastic (FRP), and “Formica” plastic laminate panels. The concentrations of lead in plastic compounds should not be compared to lead-based paint criteria. Lead in plastic compounds may have surface deterioration and if not cleaned regularly, lead may be present in dusts or on surfaces, where it can be ingested. Lead in plastic compounds may not pose a hazard to occupants, or workers performing demolition if good work practices are followed.

Metallic Lead in Batteries, Pipe Solder and Flashing

Metallic lead items identified in the building included lead soldering on piping and vent piping and lead acid batteries in emergency lights and other battery backup equipment. If removed during renovation or demolition they should be recycled or disposed of as hazardous waste.

Lead Dusts

The settled and concealed dusts were examined but no samples for lead in dusts were authorized for this project. Based on their visual inspection and similar sampling from similar buildings, the inspector also determined that the dusts are likely to have measurable concentrations of lead in the dusts.

Demolition Waste

EHS-Alaska, Inc. took representative samples of the various construction materials from the Building and had one composite sample analyzed for leachable lead content by means of the EPA Toxicity Characteristic Leaching Procedure (TCLP). The chain of custody sheets and lab results are included in Appendix B.

The total lead concentration was less than 100 ppm and does not require lead TCLP analysis. The result is below the allowable EPA concentration of 5.0 mg/L and indicates that the debris generated from the demolition of these buildings are likely to be able to be disposed of as non-hazardous construction debris and would not require special handling as a hazardous waste with respect to lead. Since the entire building may not be demolished as one waste stream, additional TCLP samples corresponding to the waste stream(s) produced by the Contractor's means and methods are required.

The following Table 4 lists the TCLP tests sample taken in June 2022 in the building and the results of the laboratory analysis. TCLP field survey data sheets and laboratory reports are included as Appendix B, locations of the sub-samples are not shown, as they were scattered throughout the buildings.

TABLE 4

SAMPLE NUMBER	MATERIAL	LOCATION	TOTAL LEAD, ppm	TCLP LEAD, mg/l **
WNL0622-TCLP01	Assorted construction materials	Various locations in	35 ppm	Not Required

**EPA limits: TCLP Lead – 5.0 mg/L. Waste materials containing above this level must be treated as hazardous waste. If the wastes contain less than 100 ppm total lead, they are not required to be further tested by the TCLP method.

4. PCB-Containing Materials

Light Ballasts

Older fluorescent lights typically have PCB-containing ballasts. PCB-containing ballasts in fluorescent lights were banned in 1978, but manufacturers were allowed to use up existing stocks, and lights may have been reused from other facilities. The survey included examination of what were considered to be representative light fixtures, but not all fixtures were able to be accessed. All lights shall be inspected during removal. Unless ballasts were marked “No PCBs,” they must be assumed to contain PCBs and must be disposed of as a hazardous waste when removed for disposal. Only fluorescent light fixtures marked “No PCBs” were found in the building. The fluorescent light fixtures will be removed during the demolition.

Older HID lights may have PCB-containing ballasts. All HID lights shall be inspected during removal or relocation. If ballasts are not marked “No PCBs,” we suggest contacting the manufacturer of the lights to determine if the ballasts contain PCB's or assume that they contain PCB's and be disposed of as a hazardous waste. HID light fixtures with assumed PCB-containing ballasts will be removed during the demolition.

Bulk Products

Some older paints, sealants and other building materials may contain measurable amounts of PCB's. PCB use in paints and sealants was supposed to have been discontinued in 1979. The EPA does not require the sampling of bulk products, and no sampling of “Bulk Products” were authorized for this project.

5. Mercury-Containing Materials

Fluorescent Lamps

Fluorescent lamps use mercury to excite the phosphor crystals that coat the inside of the lamp. These lamps contain from 15 to 48 milligrams of mercury depending on their age and manufacturer. Fluorescent light fixtures will be removed during the demolition.

Thermostats

Older thermostats or other electrical switches were not noted in the building.

High Intensity Discharge Lamps

High Intensity Discharge (HID) lamps use mercury and sodium vapors in the lamp, and also typically have lead-containing solders at the bases. These lamps contain varying amounts of mercury depending on their age and manufacturer. HID light fixtures will be removed during the demolition.

6. Other Hazardous Materials

Self-Illuminating Exit Signs and Smoke Detectors

No radioactive exit signs or smoke detectors were noted in the building, but heat detectors were noted. If any radioactive items are removed by this project, they are required be disposed of as hazardous waste or recycled.

Household Chemicals

Common household chemicals, including quantities of paint products were present in the building. These loose containers were present in the kitchen and in the hall at the north exterior door and will be disposed of by the contractor. These chemicals may also be utilized or recycled by the contractor if they meet project specifications.

Soil Contamination

The scope of work for EHS-Alaska, Inc. did not include investigation of soils for petroleum or other contaminations.

Refrigerants

The refrigerators, freezers, ice machines were removed from the building interior but there is one remnant freezer/cooler located along the north end of the roof and one Lennox HAVC unit on the roof above the kitchen area which may contain ozone depleting refrigerants. Ozone depleting substances (ODS) are regulated by the EPA, and they shall be removed by certified technicians prior to equipment disposal.

E. REGULATORY CONSTRAINTS

1. Asbestos-Containing Materials

The Federal Occupational Safety and Health Administration (29 CFR 1926.1101) and the State of Alaska Department of Labor (8 AAC 61) have promulgated regulations requiring testing for airborne asbestos fibers; setting allowable exposure limits for workers potentially exposed to airborne asbestos fibers; establishing contamination controls, work practices, and medical surveillance; and setting worker certification and protection

The EPA regulations, 40 CFR 61, Subpart M of the National Emission Standards for Hazardous Air Pollutants (NESHAP), established procedures for handling ACM during removal and disposal. The NESHAP regulations address three categories of ACM in a building being demolished:

1. Friable, or regulated ACM (RACM) which must be removed from a building before the building is demolished
2. Category I non-friable ACM (resilient flooring, asphalt roofing products, packing and gaskets)
3. Category II non-friable ACM (non-friable ACM other than Category I ACM).

If allowed by the disposal site, the EPA allows Category I and II non-friable ACM to remain in a building during demolition if: (1) Category I ACM is not in poor condition and is not friable and (2) the probability is low that Category II ACM will become crumbled, pulverized or reduced to powder during demolition. The condition of the ACM and method of demolition will generally determine if Category I and II non-friable ACM may be left in the building during demolition. This EPA standard also requires that no visible emissions be generated from the ACM during removal and transportation and does not allow intentional burning of any building containing ACM.

The EPA regulations require an owner (or the owner's contractor) to notify the EPA of asbestos removal operations and to establish responsibility for the removal, transportation, and disposal of asbestos-containing materials.

The disposal of asbestos waste is regulated by the EPA, the Alaska Department of Environmental Conservation, and the disposal site operator. Wastes being transported to the disposal site must be sealed in leak tight containers prior to disposal and must be accompanied by disposal permits and waste manifests.

2. Dusts with Asbestos

Settled and concealed dusts above ceilings, and at other areas that are not routinely cleaned (such as inside ducts and at roofs, etc.) are assumed to have measurable concentrations of asbestos. Based on sampling of similar settled and concealed dusts at similar buildings, those dusts are assumed to contain less than 1 percent asbestos. Normal settled and concealed dusts are distinct and treated differently from debris resulting from damaged asbestos-containing materials.

Background levels of asbestos in dusts for a particular location will depend on many factors, including whether or not asbestos occurs naturally in soils in the area.

Likely sources of asbestos in dusts include natural occurrences of asbestos

The types of asbestos found in settled and concealed dusts often contain actinolite, anthophyllite and tremolite forms of asbestos which are not commonly found in bulk samples taken of materials from buildings. Those forms of asbestos may come from natural occurrences of asbestos in an outside source, such as rock or ore deposits, which appear to be common in the Anchorage area.

Because the type of disturbance, concentration of asbestos in the dusts, cohesiveness of the dusts and room sizes will change, the airborne asbestos levels expected during the project will depend on the contractor's means and methods of conducting the work. The mere presence of asbestos in the dusts does not necessarily imply that a "hazard" exists which would require the use of specially trained workers to "abate" the "hazard." All dusts will likely be required to be removed from the areas where asbestos-containing materials are being removed (abatement areas) in order to achieve clearances. The dusts in the other areas are to be controlled so as to limit worker exposures and prevent contamination of occupied areas of the building.

There is no established correlation between settled or adhered dusts with measurable concentrations of asbestos and airborne concentrations. The definition in the OSHA regulations of asbestos-containing materials as those materials that contain 1 percent or more asbestos by weight, apply to cohesive materials and not to dusts. The OSHA regulations are essentially "performance based," if workers are exposed above the permissible exposure limits, then all of the requirements in the regulations become effective.

3. Lead-Containing Materials

The EPA Standard 40 CFR 745, Lead-Based Paint Poisoning Prevention in Certain Residential Structures, defines lead-based paint hazards and regulates lead based paint activities in target housing and child-occupied facilities. The requirements of this regulation include training certification, pre-work notifications, work practice standards and record keeping. Areas typically classified as child occupied facilities may include but are not limited to: day care facilities, preschools, kindergarten classrooms, restrooms, multipurpose rooms, cafeterias, gyms, libraries, and other areas routinely used by children under 6 years of age. Training requirements for Firms (Contractors) and Renovators (Workers) became effective on April 22, 2010. The building is not classified as a child occupied facility; therefore, the requirements of 40 CFR 745 do not apply.

Federal OSHA (29 CFR 1926.62) and the State of Alaska (8 AAC Chapter 61) have promulgated regulations that apply to all construction work where employees may be exposed to lead. The disturbance

of any surfaces painted with lead-containing paint requires lead-trained personnel, personnel protective procedures, and air monitoring until exposure levels can be determined. If initial monitoring verifies that the work practices being used are not exposing workers, monitoring and protection procedures may be relaxed. Experience has shown that some paints in most buildings will contain low concentrations of lead and disturbance of those paints are still regulated under the OSHA lead standard, 29 CFR 1926.62. Low levels of lead found by XRF testing does not mean that the paints are free of lead, the paints may contain lead, and OSHA regulations apply anytime measurable amounts of lead are present in paints.

Settled and concealed dust above ceilings, and at other areas that are not routinely cleaned are assumed to have measurable concentrations of lead. Background levels of lead in dusts for a particular location will depend on many factors, including whether or not engines utilizing leaded gasoline were run in or near a building, and upon the age of the building, and thus the age of the dusts. Because the type of disturbance, quantity of lead dusts, cohesiveness of the dusts and room sizes will change, the airborne lead levels expected during the project will depend on the contractor's means and methods of conducting the work. The mere presence of lead in the dusts does not necessarily imply that a "hazard" exists which would require the use of specially trained workers to "abate" the "hazard."

There is no established correlation between settled or adhered lead dust concentrations and airborne concentrations. The OSHA regulations are essentially "performance based," if workers are exposed above the permissible exposure limits, then all of the requirements in the regulations become effective.

The EPA requires that actual construction or demolition debris that contains lead or lead-containing paint or other heavy metals be tested using the TCLP test to determine if the waste must be treated as hazardous waste. All federal, state, and local standards regulating lead and lead-containing wastes are required to be followed during the renovation or demolition of portions of this building.

If the TCLP tests done on the waste stream(s) that are produced by the contractor are found to be classified as hazardous wastes, then those waste stream(s) will have to be packaged for shipping and disposal in accordance with hazardous waste and transportation regulations. Because there are no hazardous waste landfills in Alaska, this report assumes that any hazardous waste disposal will take place in Seattle or elsewhere in the Pacific Northwest.

4. PCB-Containing Materials

The EPA has promulgated regulations (40 CFR Part 761) that cover the proper handling and disposal of PCB-containing materials. If any PCB-containing equipment is discovered, those materials are required to be disposed of at fully permitted hazardous waste facilities. The EPA regulates liquid PCBs differently from non-liquid materials. Workers who remove or handle PCB-containing or PCB-contaminated materials or who transport or dispose of PCB wastes must be trained and certified in hazardous waste operations and emergency response (HAZWOPER) as required by 29 CFR 1910.120 and the State of Alaska Department of Labor (8 AAC 61). The Department of Transportation under 49 CFR Parts 100-199 regulates the marking, packaging, handling, and transportation of hazardous materials. All federal, state, and local standards regulating PCBs and PCB waste must be followed during this project.

5. Mercury-Containing Materials

Mercury-containing lamps are classified by the EPA as Universal Wastes. The EPA encourages that all Universal Wastes be recycled in accordance with 40 CFR 273. Mercury and mercury-containing products are considered hazardous waste if TCLP testing of the waste for mercury confirms the mercury content to be greater than the EPA criteria of 0.2 mg/l.

6. Other Hazardous Materials

Refrigerants

HVAC Units were present on the roof. Systems that are to be removed or dismantled shall have refrigerants containing ODS recovered and disposed of or recycled in accordance with 40 CFR 82.

Chemical Hazards

The EPA has promulgated regulations (40 CFR Parts 260 to 299 amongst others) that cover the proper handling and disposal of waste chemicals, including listed wastes, which are ignitable, corrosive, reactive, toxic, or an acute hazardous waste or wastes that exhibit the characteristics of toxicity. All construction workers who are required to remove or handle chemical hazards or to transport or dispose of chemical wastes shall be trained and certified as required by the U.S. Department of Labor (29 CFR 1910.120) and the State of Alaska Department of Labor (8 AAC 61). Transportation of chemical hazards are regulated by Department of Transportation regulations under 49 CFR Parts 171 to 178 amongst others.

Radioactive Materials

No radioactive materials were found in the building.

F. RECOMMENDATIONS

1. Asbestos-Containing Materials

The asbestos-containing materials identified in the building are typically in intact condition and are classified as both friable and non-friable ACM. All asbestos-containing materials that will be disturbed by the demolition are required to be removed by trained asbestos workers

2. Dusts with Asbestos

Dusts with measurable concentrations of asbestos are assumed to be present, but are not classified as asbestos-containing materials, or as debris from asbestos-containing materials. Workers disturbing dusts are required to have hazard communication training in accordance with OSHA regulations but are not required to receive 40 hours of training, which is required for asbestos workers. The contractor will need to choose means and methods to control worker exposures to airborne contaminants. At least an initial exposure assessment or data from previous air monitoring is needed to show that worker exposures are maintained below the OSHA permissible exposure limits (PELs).

3. Lead-Containing Materials

Federal OSHA (29 CFR 1926.62) and the State of Alaska (8 AAC Chapter 61) have promulgated regulations that apply to all construction work where employees may be exposed to lead, including disturbance of paints with low concentrations of lead.

Worker exposure to lead may be able to be controlled below the OSHA permissible exposure limit if proper engineering controls and procedures are used during renovation. Lead is a potentially hazardous waste, and the EPA requires that all wastes that contains lead be tested to determine if they must be treated as hazardous waste. A TCLP test of the waste stream(s) produced by the Contractor's means and methods are required to be performed to determine if those wastes will be classified as hazardous or non-hazardous.

4. PCB-Containing Materials

If any PCB-containing ballasts are discovered, and they are removed or replaced, they will need to be removed, handled, packaged, and disposed of in accordance with all regulations.

5. Mercury-Containing Materials

Mercury-containing materials scheduled for removal or replacement will need to be removed, handled, packaged, and disposed of in accordance with all regulations. If mercury-containing lamps and thermostats are handled and disposed of in accordance with the Universal Waste Regulations, no TCLP test is required. If the Contractor chooses to perform a TCLP test of fluorescent lamps, the test shall be conducted in accordance with the requirements of ANSI/NEMA Standard Procedure for Fluorescent Lamp Sample Preparation and Toxicity Characteristic Leaching Procedure, C78.LL 1256-2003 or latest version.

6. Other Hazardous Materials

If any radioactive materials are removed or replaced, they will need to be removed, handled, packaged, and disposed of in accordance with all regulations.

The ODS will need to be removed, handled, packaged, and disposed of in accordance with all regulations.

The common household chemicals shall be properly disposed of in accordance with all regulations and the requirements of the disposal site.

G. LIMITATIONS

The conclusions and recommendations contained in this report are based upon professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted environmental consulting and engineering standards and practices and are subject to the following inherent limitations:

1. Accuracy of Information

The laboratory reports utilized in this assessment were provided by the accredited laboratories cited in this report. Although the conclusions, opinions, and recommendations are based in part, on such information, our services did not include the verification of accuracy or authenticity of such reports. Should such information provided be found to be inaccurate or unreliable, EHS-Alaska, Inc. reserves the right to amend or revise its conclusions, opinions, and/or recommendations.

2. Site Conditions

This survey is not intended to be utilized as the sole design document for abatement. This survey was conducted while the site was occupied. All inspections were performed with furniture, equipment and/or stored items in place. The scope of work for this survey did not include identification of all potentially hazardous materials that may be present at this site and was limited to the scope of work agreed upon with our client. Although a concerted effort was made to identify those common hazardous materials likely to be affected by this project, some hazardous materials may have been hidden by furniture, equipment or stored items and may not have been identified. The survey investigated representative materials and items, such as lights and mechanical components. Variations may occur between materials and items that appear to be the same but are actually of different construction or materials. Other asbestos-containing or potentially hazardous materials may be present in the facilities that were concealed by structural members, walls, ceilings, or floor coverings, or in materials where testing was not conducted.

3. Changing Regulatory Constraints

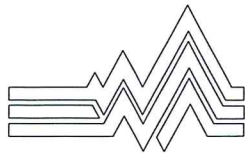
The regulations concerning hazardous materials are constantly changing, including the interpretations of the regulations by the local and national regulating agencies. Should the regulations or their interpretation be changed from our current understanding, EHS-Alaska, Inc. reserves the right to amend or revise its conclusions, opinions, and/or recommendations.

APPENDIX A

Asbestos Bulk Sample Field Survey Data Sheets and Laboratory Reports

RECEIVED

JUL 19 2022



EHS-ALASKA, INC.
EHS ALASKA
INCORPORATED

EHS Alaska, Inc.

11901 Business Blvd., Suite 208, Eagle River, AK 99577
(907) 694-1383 • (907) 694-1382 fax
e-mail • ehsak@ehs-alaska.com

PROJECT NO: 7952-01	PROJECT NAME: 825 W Northern Lights NESHAP	FACILITY: 825 W Northern Lights	COLLECTION DATE: 06/23/22
-------------------------------	--	---	-------------------------------------

CHAIN OF CUSTODY RECORD

ANALYSIS REQUESTED:	<input checked="" type="checkbox"/> PLM BULK	<input type="checkbox"/> PLM DUST	<input type="checkbox"/> TEM BULK	TYPE:	TURNAROUND:	DISPOSAL:	QUANTITY:
	<input type="checkbox"/> LEAD DUST	<input type="checkbox"/> LEAD TCLP	<input type="checkbox"/> LEAD PPM	<input checked="" type="checkbox"/> ASBESTOS	3 DAYS	NORMAL	70
	<input type="checkbox"/> TEM MICROANALYST (ASTM 5756)			<input type="checkbox"/> LEAD			

COLLECTED BY (signature) Martin Schwan	IATL SELECTED LABORATORY	SPECIAL INSTRUCTIONS / COMMENTS: LAB: RETURN A SIGNED COPY OF THIS FORM WITH THE FINAL REPORT TO EHS-ALASKA, INC. See sample location drawing for more detailed explanation of exact locations. Please do not analyze Styrofoam
PRINTED NAME 20110842	SAMPLES ACCEPTED BY	
TAG# TA8-1219-13450	DATE/TIME	
CERT# / AHERA# Fed Ex	ANALYST'S SIGNATURE	
SHIPPING METHOD 7772 2998 6979	DATE	
COURIER (signature) 6/27/22 0900		

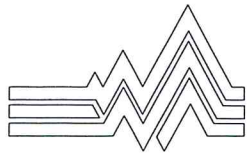
FIELD SURVEY DATA

None Detected = ND

EHS SAMPLE NO. LAB ID NO	SAMPLE DESCRIPTION, (COLOR, MATERIAL TYPE, LAYERS, FRIABILITY)	LOCATION/COMMENTS (INCLUDING PHOTO/XREF)	RESULTS FOR EHS-ALASKA USE ONLY
WNL0622-A01 7451842	Gray pliable sealant	Entry Vestibule: left side of south door between metal door frame and painted CMU. Photo 264 MKS	ND
WNL0622-A02 7451843	CT-2: Heavy knock down ceiling texture, off-white	Entry Vestibule: NW quadrant of the vestibule on GWB. Photo 265 MKS	1-2% chrysotile
WNL0622-A03 7451844	CB-1: 4" black vinyl cove base, light brown soft mastic, rust brown brittle mastic	Entry Vestibule: east end of the north wall on painted yellow CMU. Photo 267 MKS	Both layers - ND
WNL0622-A04 7451845	Gray pliable sealant	Entry Vestibule: left side of east door between metal door frame and painted CMU. Photo 268 MKS	ND
WNL0622-A05 7451846	Tan wood wainscot mastic	Lounge: south wall common to entry vestibule, near center behind wood wainscot, on GWB. Photo 269 MKS	ND
WNL0622-A06 7451847	Remnant construction adhesive, hard solid brown. Lab also identified white joint compound	Lounge: south wall common to entry vestibule, above wainscot, on wallpaper over GWB. Photo 271 MKS	Both layers ND
WNL0622-A07 7451848	White joint compound	Lounge: south wall common to entry vestibule, near center behind wood wainscot, on GWB. Photo 273 MKS	ND
WNL0622-A08 7451849	Rust-brown, brittle carpet mastic	Lounge: SE side on raised floor in front of the entry vestibule, along edge of wall, on plywood. Photo 274 MKS	ND
WNL0622-A09 7451850	White joint compound, painted red wallpaper, clear contact cement. Lab also only reported JC	Lounge: SW corner, above the wainscot, on the plywood corner seam. Photo 284 MKS	JC - ND

RECEIVED

JUL 19 2022



EHS-ALASKA, INC.
EHS ALASKA
 INCORPORATED

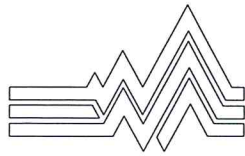
EHS Alaska, Inc.

11901 Business Blvd., Suite 208, Eagle River, AK 99577
 (907) 694-1383 • (907) 694-1382 fax
 e-mail • ehsak@ehs-alaska.com

PROJECT NO:	PROJECT NAME:	FACILITY:	COLLECTION DATE:
7952-01	825 W Northern Lights NESHAP	825 W Northern Lights	06/23/22
FIELD SURVEY DATA <i>None detected = ND</i>			
EHS SAMPLE NO. LAB ID NO	SAMPLE DESCRIPTION, (COLOR, MATERIAL TYPE, LAYERS, FRIABILITY)	LOCATION/COMMENTS (INCLUDING PHOTO/XREF)	RESULTS FOR EHS-ALASKA USE ONLY
WNL0622-A10 7451851	Tan wood wainscot mastic	Lounge: south end of the west wall, between wood wainscot and plywood-covered wall. Photo 286 MKS	ND
WNL0622-A11 7451852	Rust-brown, brittle carpet mastic	Lounge: south end adjacent to bar, on the concrete slab. Photo 287 MKS	ND
WNL0622-A12 7451853	Soft pliable brown wood floor tile adhesive	Lounge: north end of dance floor adjacent to the stage, on concrete slab. Photo 289 MKS	ND
WNL0622-A13 7451854	Rust-brown, soft carpet mastic	Lounge: north end adjacent to the stage. on concrete slab. Photo 289 MKS	ND
WNL0622-A14 7451855	Tan, brittle carpet mastic	Lounge: SE corner of raised floor for the stage. Photo 291 MKS	ND
WNL0622-A15 7451856	CT-2: Heavy knock down ceiling texture, off-white	Lounge: SW portion of lower ceiling above bar, on GWB. Photo 292 MKS	ND
WNL0622-A16 7451857	CB-1: 4" black vinyl cove base, light brown soft mastic, rust-brown brittle mastic. <i>lab did not identify "rust-brown" mastic</i>	Lounge: west face of the bar, near floor drain, on bar wood paneling. Photo 300 MKS	<i>Cove base + thin mastic = ND</i>
WNL0622-A17 7451858	WT-1: light orange peel wall texture	Women's Restroom: west wall, on GWB. Photo 301 MKS	ND
WNL0622-A18 7451859	WT-1: light orange peel wall texture, white joint compound. <i>Lab did not identify JC</i>	Women's Restroom: corner of wall to the east of the door, on seam between OSB and GWB. Photo 302 MKS	<i>Wall texture - ND</i>
WNL0622-A19 7451860	Black pliable sealant	Women's Restroom: west wall between countertop and mirror. Photo 303 MKS	ND
WNL0622-A20 7451861	CB-1: 4" black vinyl cove base, light brown soft mastic, rust-brown brittle mastic	Women's Restroom: GWB section of wall to the east of the door, base of wall on GWB. Photo 309 MKS	<i>All 3 layers = ND</i>
WNL0622-A21 7451862	Off-white GWB	Women's Restroom: east wall near toilet. Photo 310 MKS	ND
WNL0622-A22 7451863	Light brown hard mirror puck mastic	Men's Restroom: west wall behind the mirror on FRP. Photo 313 MKS	ND
WNL0622-A23 7451864	Light brown FRP mastic	Men's Restroom: west wall near urinal, on plywood. Photo 315 MKS	ND

RECEIVED

JUL 19 2022



EHS-ALASKA, INC.

EHS ALASKA
INCORPORATED

EHS Alaska, Inc.

11901 Business Blvd., Suite 208, Eagle River, AK 99577

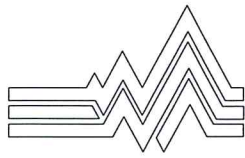
(907) 694-1383 • (907) 694-1382 fax

e-mail • ehsak@ehs-alaska.com

PROJECT NO:	PROJECT NAME:	FACILITY:	COLLECTION DATE:
7952-01	825 W Northern Lights NESHAP	825 W Northern Lights	06/23/22
FIELD SURVEY DATA <i>None Detected = ND</i>			
EHS SAMPLE NO. LAB ID NO	SAMPLE DESCRIPTION, (COLOR, MATERIAL TYPE, LAYERS, FRIABILITY)	LOCATION/COMMENTS (INCLUDING PHOTO/XREF)	RESULTS FOR EHS-ALASKA USE ONLY
WNL0622-A24 7451865	White pliable sealant	Men's Restroom: west wall near urinal, at seam between the FRP and the wood cove base. Photo 318 MKS	ND
WNL0622-A25 7451866	Off-white sealant	Men's Restroom: west wall at base of the toilet on ceramic floor tiles. Photo 319 MKS	ND
WNL0622-A26 7451867	Black roofing tar	Main Roof: south end of the roof edge, between top sheet rooftop layer and particle board underlayment. Photo 366 MKS	ND
WNL0622-A27 7451868	Black torch-down layer (top)	Vestibule Roof: south end of the building near vestibule roof and CMU wall transition. Photo 364 MKS	7.390 Chrysotile
WNL0622-A28 7451869	Black rubberized top roof layer, black tar. <i>lab characterized the sample as only "Black Tar"</i>	Main Roof: SE Corner of the building, on particle board underlayment. Photo 365 MKS	<i>Black Tar</i> ND-
WNL0622-A29 7451870	Black roof underlayment, black tar. <i>lab did not identify black tar</i>	Vestibule Roof: south end of the building near vestibule roof edge. Photo 351 MKS	<i>Underlayment</i> - ND
WNL0622-A30 7451871	Black, brittle tar	Main Roof: SW section of the roof, below the RTU, curb to roofing seam sealant. Photo 378 MKS	ND
WNL0622-A31 7451872	Black asphaltic rolled roofing, black tar. <i>lab did not identify black tar</i>	Main Roof: SW quadrant, on the west long curb for roof-mounted appurtenances, near the RTU. Photo 369 MKS	<i>Black roof</i> <i>Asphaltic</i> ND
WNL0622-A32 7451873	Grey pliable sealant	Main Roof: NW section of roof, on kitchen exhaust ducting seams. Photo 373 MKS	ND
WNL0622-A33 7451874	Black rubberized top roof layer, black tar. <i>lab did not identify black tar</i>	Main Roof: near center, 4 th layer of roof core under Styrofoam and on wood. Photo 375 MKS	<i>Black roof</i> <i>Material</i> ND
WNL0622-A34 7451875	Black rubberized top roof layer, black tar	Main Roof: near center, top layer of roof core on fiber board. Photo 375 MKS	ND
WNL0622-A35 7451876	Black roof tar	Main Roof: NW section of roof, sealant for electrical conduit roof penetration. Photo 376 MKS	6.890 Chrysotile
WNL0622-A36 7451877	Fiber reinforced gasket, black pliable sealant with a woven matrix	Main Roof: NW section of roof, gasket for kitchen exhaust duct access panel. Photo 377 MKS	ND
WNL0622-A37 7451878	Grey pliable sealant	Main Roof: NW section of roof, sealant on seam between north kitchen exhaust duct and metal curb. Photo 380 MKS	ND

RECEIVED

JUL 19 2022



EHS-ALASKA, INC.
EHS ALASKA
 INCORPORATED

EHS Alaska, Inc.

11901 Business Blvd., Suite 208, Eagle River, AK 99577
 (907) 694-1383 • (907) 694-1382 fax
 e-mail • ehsak@ehs-alaska.com

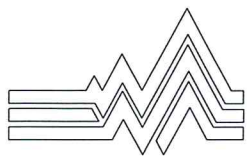
PROJECT NO: 7952-01	PROJECT NAME: 825 W Northern Lights NESHP	FACILITY: 825 W Northern Lights	COLLECTION DATE: 06/23/22
-------------------------------	---	---	-------------------------------------

FIELD SURVEY DATA *None Selected = ND*

EHS SAMPLE NO. LAB ID NO	SAMPLE DESCRIPTION, (COLOR, MATERIAL TYPE, LAYERS, FRIABILITY)	LOCATION/COMMENTS (INCLUDING PHOTO/XREF)	RESULTS FOR EHS-ALASKA USE ONLY
WNL0622-A38 7451879	Black hard tar	Main Roof: NW section of roof, on kitchen exhaust curb. Photo 379 MKS	<i>ND</i>
WNL0622-A39 7451880	Black rubberized top roof layer, black tar. <i>Lab did not identify black rubberized roof layer</i>	Main Roof: North end of roof near center, top layer of roof core on particle board. Photo 385 MKS	<i>Black tar - ND</i>
WNL0622-A40 7451881	Black roof underlayment	Main Roof: North end of roof near center, 4 th layer of roof core under Styrofoam and on wood. Photo 385 MKS	<i>ND</i>
WNL0622-A41 7451882	Dark grey sealant	Main Roof: North end of roof near center, duct sealant for air intake, on green painted metal ducting. Photo 387 MKS	<i>ND</i>
WNL0622-A42 7451883	Duct lining, brown mastic	Main Roof: North end of roof near center, liner for inside of air intake system, prior to filters. Photo 391 MKS	<i>ND</i>
WNL0622-A43 7451884	Black hard roof tar	Main Roof: North end of roof near center, on built-up curb for RTU. Photo 396 MKS	<i>1.5% Chrysotile</i>
WNL0622-A44 7451885	Black tar	Main Roof: North end of roof near center, vent pipe roof penetration near RTU curb. Photo 395 MKS	<i>ND</i>
WNL0622-A45 7451886	Grey pliable sealant	Exterior North Side: on the east facing wall adjacent to the mechanical room, between CMU and plastic vent housing. Photo 405 MKS	<i>ND</i>
WNL0622-A46 7451887	Dark grey sealant	Exterior North Side: on the east facing wall common to the mechanical room. around combustion air vent on CMU. Photo 402 MKS	<i>ND</i>
WNL0622-A47 7451888	Brown Sealant	Exterior North Side: on north facing wall adjacent to the men's restroom on exhaust fan opening (?). Photo 400 MKS	<i>ND</i>
WNL0622-A48 7451889	Black pliable penetration sealant	Exterior North Side: on the north facing wall adjacent to the mechanical room. Sealant on CMU for electrical penetration. Photo 406 MKS	<i>ND</i>
WNL0622-A49 7451890	Off-white hard door sealant	Exterior North Side: on the north facing exterior door frame, between metal and CMU. Photo 409 MKS	<i>ND</i>
WNL0622-A50 7451891	Off-white mastic	Kitchen Serving Hall: west wall, behind FRP wainscot on GWB. Photo 411 MKS.	<i>ND</i>

RECEIVED

JUL 19 2022



EHS-ALASKA, INC.

EHS ALASKA
INCORPORATED

EHS Alaska, Inc.

11901 Business Blvd., Suite 208, Eagle River, AK 99577

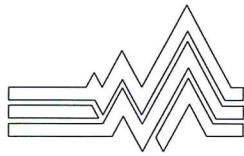
(907) 694-1383 • (907) 694-1382 fax

e-mail • ehsak@ehs-alaska.com

PROJECT NO:	PROJECT NAME:	FACILITY:	COLLECTION DATE:
7952-01	825 W Northern Lights NESHAP	825 W Northern Lights	06/23/22
FIELD SURVEY DATA <i>None Detected = ND</i>			
EHS SAMPLE NO. LAB ID NO	SAMPLE DESCRIPTION, (COLOR, MATERIAL TYPE, LAYERS, FRIABILITY)	LOCATION/COMMENTS (INCLUDING PHOTO/XREF)	RESULTS FOR EHS-ALASKA USE ONLY
WNL0622-A51 7451892	White joint compound.	Kitchen Serving Hall: west wall, behind FRP wainscot on GWB. Photo 414 MKS.	ND
WNL0622-A52 7451893	White joint compound, GWB	Kitchen Serving Hall: SW corner, above FRP wainscot on GWB. Photo 415 MKS.	<i>Both layers</i> - ND
WNL0622-A53 7451894	Grey floor leveling compound	Kitchen Serving Hall: under laminate flooring at the threshold going into the kitchen, on concrete slab. Photo 417 MKS.	ND
WNL0622-A54 7451895	FT-1: Solid core black 12" x 12" floor tile, brown mastic	Kitchen: south side, on concrete slab. Photo 418 MKS.	<i>Both layers</i> - ND
WNL0622-A55 7451896	FT-2: Solid core white 12" x 12" floor tile, brown mastic	Kitchen: south side, on concrete slab. Photo 418 MKS.	<i>Both layers</i> - ND
WNL0622-A56 7451897	White friable FRP mastic	Kitchen: south wall on GWB under FRP. Photo 419 MKS.	<i>Both layers</i> - ND
WNL0622-A57 7451898	CB-2: black 6" cove base, with tan mastic	Kitchen: south east corner, on FRP. Photo 420 MKS.	<i>Both layers</i> - ND
WNL0622-A58 7451899	White GWB, FRP tan mastic	Kitchen: north wall, right side of door behind FRP. Photo 421 MKS.	<i>Both layers</i> - ND
WNL0622-A59 7451900	FT-1: Solid core black 12" x 12" floor tile, brown mastic	Kitchen: north side, on concrete slab. Photo 423 MKS.	<i>Both layers</i> - ND
WNL0622-A60 7451901	FT-2: Solid core white 12" x 12" floor tile, brown mastic	Kitchen: north side, on concrete slab. Photo 423 MKS.	<i>Both layers</i> - ND
WNL0622-A61 7451902	White skim coat wall covering	Storage Room: west wall texture on GWB. Photo 424 MKS.	1.3% <i>Chrysotile</i>
WNL0622-A62 7451903	Tan heat shield mastic	Men's Restroom: center of ceiling light fixture. Photo 565 ETM	ND
WNL0622-A63 7451904	CB-3: Tan 4" cove base with light tan mastic	Mechanical room: south wall, on GWB. Photo 427 MKS	<i>Both layers</i> - ND
WNL0622-A64 7451905	White joint compound and tape. <i>lab did not analyze the Tape</i>	Mechanical room: center of ceiling. Photo 428 MKS	JC - ND

RECEIVED

JUL 19 2022



EHS-ALASKA, INC.
EHS ALASKA
 INCORPORATED

EHS Alaska, Inc.

11901 Business Blvd., Suite 208, Eagle River, AK 99577
 (907) 694-1383 • (907) 694-1382 fax
 e-mail • ehsak@ehs-alaska.com

PROJECT NO: 7952-01	PROJECT NAME: 825 W Northern Lights NESHAP	FACILITY: 825 W Northern Lights	COLLECTION DATE: 06/23/22
-------------------------------	--	---	-------------------------------------

FIELD SURVEY DATA *None Selected - ND*

EHS SAMPLE NO. LAB ID NO	SAMPLE DESCRIPTION, (COLOR, MATERIAL TYPE, LAYERS, FRIABILITY)	LOCATION/COMMENTS (INCLUDING PHOTO/XREF)	RESULTS FOR EHS-ALASKA USE ONLY
WNL0622-A65 7451906	CB-3: Tan 4" cove base with light tan mastic	Mechanical room: north wall on CMU. Photo 426 MKS	<i>Both layers - ND</i>
WNL0622-A66 7451907	FT-2: Solid core white 12" x 12" floor tile, brown mastic	Mechanical room: near north wall on concrete slab. Photo 425 MKS	<i>Both layers - ND</i>
WNL0622-A67 7451908	FT-1: Solid core black 12" x 12" floor tile, brown mastic	Mechanical room: near north wall on concrete slab. Photo 425 MKS	<i>Both layers - ND</i>
WNL0622-A68 7451909	CT-1: White light orange peel ceiling texture	Kitchen: near center of ceiling, on GWB. Photo 580 ETM	<i>ND</i>
WNL0622-A69 7451910	FRP mastic, hard, brittle	North entrance: behind FRP on wood framing at door to kitchen. Photo 429 MKS	<i>ND</i>
WNL0622-A70 7451911	CB-1: Black pliable 4" cove base <i>lab identified off white mastic</i>	North entrance: base of storage shelves, on wood shelf framing. Photo 430 MKS	<i>Both layers - ND</i>
END	END	END	

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated
11901 Business Blvd., Ste 208
Eagle River AK 99577

Report Date: 7/1/2022
Report No.: 663823 - PLM
Project: 825 W Northern Lights NESHAP
Project No.: 7952-01

Client: EHS511

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451842	Analyst Observation: Grey Sealant	Location: Entry Vestibule: Left Side Of South Door Between Metal Door Frame And Painted CMU. Photo 264 MKS
Client No.: WNL0622-A01	Client Description: Gray Pliable Sealant	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 7451843	Analyst Observation: Off-White Ceiling Panel	Location: Entry Vestibule: NW Quadrant Of The Vestibule On GWB. Photo 265 MKS
Client No.: WNL0622-A02	Client Description: CT-2: Heavy Knock Down Ceiling Texture, Off-White	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 1.2 Chrysotile</i>	None Detected	98.8


Sample received wet

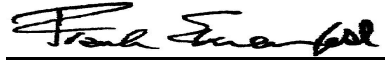
Lab No.: 7451844	Analyst Observation: Black Cove Base	Location: Entry Vestibule: East End Of The North Wall On Painted Yellow CMU. Photo 267 MKS
Client No.: WNL0622-A03	Client Description: CB-1: 4" Black Vinyl Cove Base, Light Brown Soft Mastic, Rust Brown Brittle Mastic	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 7451844(L2)	Analyst Observation: Lt Tan Mastic	Location: Entry Vestibule: East End Of The North Wall On Painted Yellow CMU. Photo 267 MKS
Client No.: WNL0622-A03	Client Description: CB-1: 4" Black Vinyl Cove Base, Light Brown Soft Mastic, Rust Brown Brittle Mastic	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 7451845	Analyst Observation: Grey Sealant	Location: Entry Vestibule: Left Side Of East Door Between Metal Door Frame And Painted CMU. Photo 268 MKS
Client No.: WNL0622-A04	Client Description: Gray Pliable Sealant	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated 11901 Business Blvd., Ste 208 Eagle River AK 99577	Report Date: 7/1/2022 Report No.: 663823 - PLM Project: 825 W Northern Lights NESHAP Project No.: 7952-01
Client: EHS511	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451846 Client No.: WNL0622-A05	Analyst Observation: Tan Mastic Client Description: Tan Wood Wainscot Mastic	Location: Lounge: South Wall Common To Entry Vestibule, Near Center Behind Wood Wainscot, On GWB. Photo 269 MK
---	---	---

<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Cellulose	Facility: <u>Percent Non-Fibrous Material:</u> 99
--	--	--

Lab No.: 7451847 Client No.: WNL0622-A06	Analyst Observation: Tan Mastic Client Description: Remnant Construction Adhesive, Hard Solid Brown	Location: Lounge: South Wall Common To Entry Vestibule, Above Wainscot, On Wallpaper Over GWB. Photo 271 MKS
---	--	---

<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Facility: <u>Percent Non-Fibrous Material:</u> 100
--	--	---

Lab No.: 7451847(L2) Client No.: WNL0622-A06	Analyst Observation: White Joint Compound Client Description: Remnant Construction Adhesive, Hard Solid Brown	Location: Lounge: South Wall Common To Entry Vestibule, Above Wainscot, On Wallpaper Over GWB. Photo 271 MKS
---	--	---

<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Facility: <u>Percent Non-Fibrous Material:</u> 100
--	--	---

Note: No drywall present

Lab No.: 7451848 Client No.: WNL0622-A07	Analyst Observation: White Joint Compound Client Description: White Joint Compound	Location: Lounge: South Wall Common To Entry Vestibule, Near Center Behind Wood Wainscot, On GWB. Photo 273 MK
---	---	---


<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Facility: <u>Percent Non-Fibrous Material:</u> 100
--	--	---

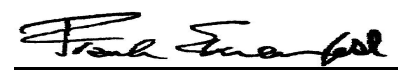
Note: No drywall present

Lab No.: 7451849 Client No.: WNL0622-A08	Analyst Observation: Tan Mastic Client Description: Rust-Brown, Brittle Carpet Mastic	Location: Lounge: SE Side On Raised Floor In Front Of The Entry Vestibule, Along Edge Of Wall, On Plywood. Pho
---	--	---

<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Cellulose	Facility: <u>Percent Non-Fibrous Material:</u> 99
--	--	--

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated 11901 Business Blvd., Ste 208 Eagle River AK 99577	Report Date: 7/1/2022 Report No.: 663823 - PLM Project: 825 W Northern Lights NESHP Project No.: 7952-01
Client: EHS511	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451850 Client No.: WNL0622-A09	Analyst Observation: Off-White Joint Compound Client Description: White Joint Compound, Painted Red Wallpaper, Clear Contact Cement	Location: Lounge: SW Corner, Above The Wainscot, On The Plywood Corner Seam. Photo 284 MKS Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	

Note: No drywall present


Lab No.: 7451851 Client No.: WNL0622-A10	Analyst Observation: Tan Mastic Client Description: Tan Wood Wainscot Mastic	Location: Lounge: South End Of The West Wall, Between Wood Wainscot And Plywood-Covered Wall. Photo 286 MKS Facility: Percent Non-Fibrous Material: 99
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 1 Cellulose	

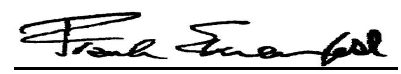
Lab No.: 7451852 Client No.: WNL0622-A11	Analyst Observation: Tan Mastic Client Description: Rust-Brown, Brittle Carpet Mastic	Location: Lounge: South End Adjacent To Bar, On The Concrete Slab. Photo 287 MKS Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	

Lab No.: 7451853 Client No.: WNL0622-A12	Analyst Observation: Yellow/Grey Mastic Client Description: Soft Pliable Brown Wood Floor Tile Adhesive	Location: Lounge: North End Of Dance Floor Adjacent To The Stage, On Concrete Slab. Photo 289 MKS Facility: Percent Non-Fibrous Material: 99
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 1 Cellulose	

Lab No.: 7451854 Client No.: WNL0622-A13	Analyst Observation: Tan Mastic Client Description: Rust-Brown, Soft Carpet Mastic	Location: Lounge: North End Adjacent To The Stage. On Concrete Slab. Photo 289 MKS Facility: Percent Non-Fibrous Material: 99
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 1 Cellulose	

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director


CERTIFICATE OF ANALYSIS

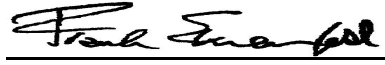
Client: EHS Alaska Incorporated 11901 Business Blvd., Ste 208 Eagle River AK 99577	Report Date: 7/1/2022 Report No.: 663823 - PLM Project: 825 W Northern Lights NESHAP Project No.: 7952-01
Client: EHS511	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451855 Client No.: WNL0622-A14	Analyst Observation: Lt Tan Mastic Client Description: Tan, Brittle Carpet Mastic	Location: Lounge: SE Corner Of Raised Floor For The Stage. Photo 291 MKS Facility: Percent Non-Fibrous Material:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 1 Cellulose	99
Lab No.: 7451856 Client No.: WNL0622-A15	Analyst Observation: White Ceiling Texture Client Description: CT-2: Heavy Knock Down Ceiling Texture, Off-White	Location: Lounge: SW Portion Of Lower Ceiling Above Bar, On GWB. Photo 292 MKS Facility: Percent Non-Fibrous Material:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	100
Lab No.: 7451857 Client No.: WNL0622-A16	Analyst Observation: Black Cove Base Client Description: CB-1: 4" Black Vinyl Cove Base, Light Brown Soft Mastic, Rust-Brown Brittle Mastic	Location: Lounge: West Face Of The Bar, Near Floor Drain, On Bar Wood Paneling. Photo 300 MKS Facility: Percent Non-Fibrous Material:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	100
Lab No.: 7451857(L2) Client No.: WNL0622-A16	Analyst Observation: Tan Mastic Client Description: CB-1: 4" Black Vinyl Cove Base, Light Brown Soft Mastic, Rust-Brown Brittle Mastic	Location: Lounge: West Face Of The Bar, Near Floor Drain, On Bar Wood Paneling. Photo 300 MKS Facility: Percent Non-Fibrous Material:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 2 Cellulose	98
Lab No.: 7451858 Client No.: WNL0622-A17	Analyst Observation: Tan Wall Texture Client Description: WT-1: Light Orange Peel Wall Texture	Location: Women's Restroom: West Wall, On GWB. Photo 301 MKS Facility: Percent Non-Fibrous Material:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 3 Cellulose	97

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated
11901 Business Blvd., Ste 208
Eagle River AK 99577


Report Date: 7/1/2022
Report No.: 663823 - PLM
Project: 825 W Northern Lights NESHAP
Project No.: 7952-01

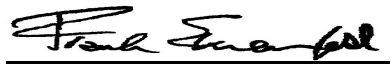
Client: EHS511

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451859 Client No.: WNL0622-A18	Analyst Observation: White Wall Texture Client Description: WT-1: Light Orange Peel Wall Texture, White Joint Compound	Location: Women's Restroom: Corner Of Wall To The East Of The Door, On Seam Between OSB And GWB. Photo 302 MKS Facility: Percent Non-Fibrous Material: 99
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 1 Cellulose	
Lab No.: 7451860 Client No.: WNL0622-A19	Analyst Observation: Black Sealant Client Description: Black Pliable Sealant	Location: Women's Restroom: West Wall Between Countertop And Mirror. Photo 303 MKS Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7451861 Client No.: WNL0622-A20	Analyst Observation: Black Cove Base Client Description: CB-1: 4" Black Vinyl Cove Base, Light Brown Soft Mastic, Rust-Brown Brittle Mastic	Location: Women's Restroom: GWB Section Of Wall To The East Of The Door, Base Of The Wall On GWB. Photo 309 MK Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7451861(L2) Client No.: WNL0622-A20	Analyst Observation: Tan Mastic Client Description: CB-1: 4" Black Vinyl Cove Base, Light Brown Soft Mastic, Rust-Brown Brittle Mastic	Location: Women's Restroom: GWB Section Of Wall To The East Of The Door, Base Of The Wall On GWB. Photo 309 MK Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7451861(L3) Client No.: WNL0622-A20	Analyst Observation: Lt Tan Mastic Client Description: CB-1: 4" Black Vinyl Cove Base, Light Brown Soft Mastic, Rust-Brown Brittle Mastic	Location: Women's Restroom: GWB Section Of Wall To The East Of The Door, Base Of The Wall On GWB. Photo 309 MK Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director


CERTIFICATE OF ANALYSIS

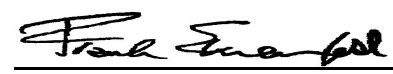
Client: EHS Alaska Incorporated 11901 Business Blvd., Ste 208 Eagle River AK 99577	Report Date: 7/1/2022 Report No.: 663823 - PLM Project: 825 W Northern Lights NESHAP Project No.: 7952-01
Client: EHS511	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451862 Client No.: WNL0622-A21	Analyst Observation: Lt Tan Drywall Client Description: Off-White GWB	Location: Women's Restroom: East Wall Near Toiler. Photo 310 MKS Facility: Percent Non-Fibrous Material: 90
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose	
<u>Note: No joint compound present</u>		
Lab No.: 7451863 Client No.: WNL0622-A22	Analyst Observation: Tan Mastic Client Description: Light Brown Hard Mirror Puck Mastic	Location: Men's Restroom: West Wall Behind The Mirror On FRP. Photo 313 MKS Facility: Percent Non-Fibrous Material: 99
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Cellulose	
Lab No.: 7451864 Client No.: WNL0622-A23	Analyst Observation: Tan Mastic Client Description: Light Brown FRP Mastic	Location: Men's Restroom: West Wall Near Urinal, On Plywood. Photo 315 MKS Facility: Percent Non-Fibrous Material: 99
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Cellulose	
Lab No.: 7451865 Client No.: WNL0622-A24	Analyst Observation: White Sealant Client Description: White Pliable Sealant	Location: Men's Restroom: West Wall Near Urinal, At Seam Between The FRP And The Wood Cove Base. Photo 318 MKS Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	
Lab No.: 7451866 Client No.: WNL0622-A25	Analyst Observation: Off-White Sealant Client Description: Off-White Sealant	Location: Men's Restroom: West Wall At Base Of The Toilet On Ceramic Floor Tiles. Photo 319 MKS Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated
11901 Business Blvd., Ste 208
Eagle River AK 99577

Report Date: 7/1/2022
Report No.: 663823 - PLM
Project: 825 W Northern Lights NESHAP
Project No.: 7952-01

Client: EHS511

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451867 **Analyst Observation:** Black Tar **Location:** Main Roof: South End Of The
Client No.: WNL0622-A26 **Client Description:** Black Roofing Tar Roof Edge, Between Top Sheet Rooftop
Layer And Particle Board Underlayme
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100


Lab No.: 7451868 **Analyst Observation:** Black Roof Material **Location:** Vestibule Roof: South End Of
Client No.: WNL0622-A27 **Client Description:** Black Torch-Down Layer (Top) The Building Near Vestibule Roof And
CMU Wall Transition. Photo 364 MKS
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
PC 7.3 Chrysotile None Detected 92.7

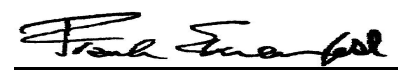
Lab No.: 7451869 **Analyst Observation:** Black Tar **Location:** Main Roof: SE Corner Of The
Client No.: WNL0622-A28 **Client Description:** Black Rubberized Top Roof Layer, Black Building, On Particle Board Underlayment.
Tar Photo 365 MKS
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 3 Cellulose 97

Lab No.: 7451870 **Analyst Observation:** Black Underlayment **Location:** Vestibule Roof: South End Of
Client No.: WNL0622-A29 **Client Description:** Black Roof Underlayment, Black Tar The Building Near Vestibule Roof Edge.
Photo 351 MKS
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 13 Cellulose 87

Lab No.: 7451871 **Analyst Observation:** Black Tar **Location:** Main Roof: SW Section Of The
Client No.: WNL0622-A30 **Client Description:** Black, Brittle Tar Roof, Below The RTU, Curb To Roofing
Seam Sealant. Photo 378 MKS
Facility:
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 1 Cellulose 99

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director


CERTIFICATE OF ANALYSIS

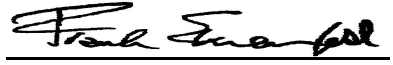
Client: EHS Alaska Incorporated 11901 Business Blvd., Ste 208 Eagle River AK 99577	Report Date: 7/1/2022 Report No.: 663823 - PLM Project: 825 W Northern Lights NESHAP Project No.: 7952-01
Client: EHS511	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451872 Client No.: WNL0622-A31	Analyst Observation: Black/Grey Asphalt Client Description: Black Asphaltic Rolled Roofing, Black Tar	Location: Main Roof: SW Quadrant, On The West Long Curb For Roof-Mounted Appurtenances, Near The RTU. Photo 36 Facility: <u>Percent Non-Fibrous Material:</u> 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	
Lab No.: 7451873 Client No.: WNL0622-A32	Analyst Observation: Grey Sealant Client Description: Gray Pliable Sealant	Location: Main Roof: NW Section Of Roof, On Kitchen Exhaust Ducting Seams. Photo 373 MKS Facility: <u>Percent Non-Fibrous Material:</u> 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	
Lab No.: 7451874 Client No.: WNL0622-A33	Analyst Observation: Black/White Roof Material Client Description: Black Rubberized Top Roof Layer, Black Tar	Location: Main Roof: Near Center, 4th Layer Of Roof Core Under Styrofoam On Wood. Photo 375 MKS Facility: <u>Percent Non-Fibrous Material:</u> 82
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 15 Cellulose 3 Fibrous Glass	
Lab No.: 7451875 Client No.: WNL0622-A34	Analyst Observation: Black Tar Client Description: Black Rubberized Top Roof Layer, Black Tar	Location: Main Roof: Near Center, Top Layer Of Roof Core On Fiber Board. Photo 375 MKS Facility: <u>Percent Non-Fibrous Material:</u> 80
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 20 Cellulose	
Lab No.: 7451876 Client No.: WNL0622-A35	Analyst Observation: Black Tar Client Description: Black Roof Tar	Location: Main Roof: NW Section Of Roof, sealant For Electrical Conduit Roof Penetration. Photo 376 MKS Facility: <u>Percent Non-Fibrous Material:</u> 93.2
<u>Percent Asbestos:</u> PC 6.8 Chrysotile	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated 11901 Business Blvd., Ste 208 Eagle River AK 99577	Report Date: 7/1/2022 Report No.: 663823 - PLM Project: 825 W Northern Lights NESHAP Project No.: 7952-01
Client: EHS511	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451877 Client No.: WNL0622-A36	Analyst Observation: Black Expansion Joint Client Description: Fiber Reinforced Gasket, Black Pliable Sealant With A Woven Matrix	Location: Main Roof: NW Section Of Roof, Gasket For Kitchen Exhaust Duct Access Panel. Photo 377 MKS
---	--	---

<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 10 Fibrous Glass	Facility: <u>Percent Non-Fibrous Material:</u> 90
--	---	--

Lab No.: 7451878 Client No.: WNL0622-A37	Analyst Observation: Grey Sealant Client Description: Grey Pliable Sealant	Location: Main Roof: NW Section Of Roof, Sealant On Seam Between North Kitchen Exhaust Duct And Metal Curb. Ph
---	---	---

<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Facility: <u>Percent Non-Fibrous Material:</u> 100
--	--	---

Lab No.: 7451879 Client No.: WNL0622-A38	Analyst Observation: Black Tar Client Description: Black Hard Tar	Location: Main Roof: NW Section Of Roof, On Kitchen Exhaust Curb. Photo 379 MKS
---	--	--

<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 3 Cellulose	Facility: <u>Percent Non-Fibrous Material:</u> 97
--	--	--


Lab No.: 7451880 Client No.: WNL0622-A39	Analyst Observation: Black Tar Client Description: Black Rubberized Top Roof Layer, Black Tar	Location: Main Roof: North End Of Roof Near Center, Top Layer Of Roof Core On Particle Board. Photo 385 MKS
---	--	--

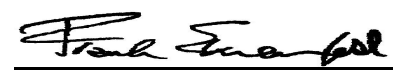
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 15 Cellulose	Facility: <u>Percent Non-Fibrous Material:</u> 85
--	---	--

Lab No.: 7451881 Client No.: WNL0622-A40	Analyst Observation: Black/White Tar Client Description: Black Roof Underlayment	Location: Main Roof: North End Of Roof Near Center, 4th Layer Of Roof Core Under Styrofoam And On Wood. Photo
---	---	--

<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Facility: <u>Percent Non-Fibrous Material:</u> 100
--	--	---

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated
11901 Business Blvd., Ste 208
Eagle River AK 99577

Report Date: 7/1/2022
Report No.: 663823 - PLM
Project: 825 W Northern Lights NESHAP
Project No.: 7952-01

Client: EHS511

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451882 **Analyst Observation:** Grey Sealant **Location:** Main Roof: North End Of Roof
Client No.: WNL0622-A41 **Client Description:** Dark Grey Sealant Near Center, Duct Sealant For Air Intake,
On Green Painted Metal Ductin

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Facility:
None Detected None Detected Percent Non-Fibrous Material:
100

Lab No.: 7451883 **Analyst Observation:** Grey Lining **Location:** Main Roof: North End Of Roof
Client No.: WNL0622-A42 **Client Description:** Duct Lining, Brown Mastic Near center, Liner For Inside Of Air Intake
System, Prior To Filters. P

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Facility:
None Detected 97 Fibrous Glass Percent Non-Fibrous Material:
3

Lab No.: 7451884 **Analyst Observation:** Black Tar **Location:** Main Roof: North End Of Roof
Client No.: WNL0622-A43 **Client Description:** Black Hard Roof Tar Near Center, In Built-Up Curb For RTU.
Photo 396 MKS

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Facility:
PC 1.5 Chrysotile None Detected Percent Non-Fibrous Material:
98.5

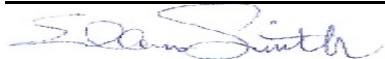
Lab No.: 7451885 **Analyst Observation:** Black Tar **Location:** Main Roof: North End Of Roof
Client No.: WNL0622-A44 **Client Description:** Black Tar Near Center, Vent Pipe Roof Penetration
Near RTU Curb. Photo 395 MKS


Percent Asbestos: Percent Non-Asbestos Fibrous Material: Facility:
None Detected 2 Cellulose Percent Non-Fibrous Material:
98

Lab No.: 7451886 **Analyst Observation:** Grey Sealant **Location:** Exterior North Side: On The East
Client No.: WNL0622-A45 **Client Description:** Grey Pliable Sealant Facing Wall Adjacent To The Mechanical
Room, Between CMU And Plasti

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Facility:
None Detected None Detected Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated
11901 Business Blvd., Ste 208
Eagle River AK 99577

Report Date: 7/1/2022
Report No.: 663823 - PLM
Project: 825 W Northern Lights NESHAP
Project No.: 7952-01

Client: EHS511

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451887 **Analyst Observation:** Grey Sealant **Location:** Exterior North Side: On The East Facing Wall Common To The Mechanical Room. Around Combustion Air Ve
Client No.: WNL0622-A46 **Client Description:** Dark Grey Sealant

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 3 Cellulose 97

Lab No.: 7451888 **Analyst Observation:** Tan Sealant **Location:** Exterior North Side: On The North Facing Wall Adjacent To The Men's Restroom On Exhaust Fan Opening.
Client No.: WNL0622-A47 **Client Description:** Brown Sealant

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7451889 **Analyst Observation:** Black Sealant **Location:** Exterior North Side: On The North Facing Wall Adjacent To the Mechanical Room. Sealant On CMU For El
Client No.: WNL0622-A48 **Client Description:** Black Pliable Penetration Sealant

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 4 Cellulose 96


Lab No.: 7451890 **Analyst Observation:** Off-White Sealant **Location:** Exterior North Side: On The North Facing Exterior Door Frame, Between Metal And CMU. Photo 409 MKS
Client No.: WNL0622-A49 **Client Description:** Off-White Hard Door Sealant

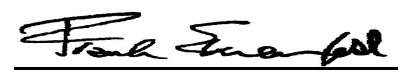
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7451891 **Analyst Observation:** Off-White Mastic **Location:** Kitchen Serving Hall: West Wall, Behind FRP Wainscot On GWB. Photo 411 MKS
Client No.: WNL0622-A50 **Client Description:** Off-White Mastic

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 1 Cellulose 99

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated 11901 Business Blvd., Ste 208 Eagle River AK 99577	Report Date: 7/1/2022 Report No.: 663823 - PLM Project: 825 W Northern Lights NESHAP Project No.: 7952-01
Client: EHS511	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451892 Client No.: WNL0622-A51	Analyst Observation: White Joint Compound Client Description: White Joint Compound	Location: Kitchen Serving Hall: West Wall, Behind FRP wainscot On GWB. Photo 414 MKS Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

Note: No drywall present


Lab No.: 7451893 Client No.: WNL0622-A52	Analyst Observation: Lt Tan Drywall Client Description: White Joint Compound, GWB	Location: Kitchen Serving Hall: SW Corner, Above FRP Wainscot On GWB. Photo 415 KS Facility: Percent Non-Fibrous Material: 90
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose	

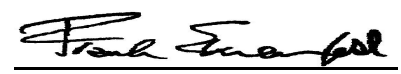
Lab No.: 7451893(L2) Client No.: WNL0622-A52	Analyst Observation: White Joint Compound Client Description: White Joint Compound, GWB	Location: Kitchen Serving Hall: SW Corner, Above FRP Wainscot On GWB. Photo 415 KS Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

Lab No.: 7451894 Client No.: WNL0622-A53	Analyst Observation: Grey Leveling Compound Client Description: Grey Floor Leveling Compound	Location: Kitchen Serving Hall: Under Laminate Flooring At The Threshold Going Into The Kitchen, On Concrete S Facility: Percent Non-Fibrous Material: 97
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 3 Cellulose	

Lab No.: 7451895 Client No.: WNL0622-A54	Analyst Observation: Black Floor Tile Client Description: FT-1: Solid Core Black 12"x12" Floor Tile, Brown Mastic	Location: Kitchen: South Side, On Concrete Slab. Photo 418 MKS Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated
11901 Business Blvd., Ste 208
Eagle River AK 99577

Report Date: 7/1/2022
Report No.: 663823 - PLM
Project: 825 W Northern Lights NESHAP
Project No.: 7952-01

Client: EHS511

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451895(L2)	Analyst Observation: Yellow Mastic	Location: Kitchen: South Side, On Concrete Slab. Photo 418 MKS
Client No.: WNL0622-A54	Client Description: FT-1: Solid Core Black 12"x12" Floor Tile, Brown Mastic	Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Lab No.: 7451896	Analyst Observation: Off-White Floor Tile	Location: Kitchen: South Side, On Concrete Slab. Photo 418 MKS
Client No.: WNL0622-A55	Client Description: FT-2: Solid Core White 12"x12" Floor Tile, Brown Mastic	Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100


Lab No.: 7451896(L2)	Analyst Observation: Tan Mastic	Location: Kitchen: South Side, On Concrete Slab. Photo 418 MKS
Client No.: WNL0622-A55	Client Description: FT-2: Solid Core White 12"x12" Floor Tile, Brown Mastic	Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

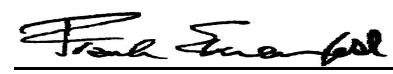
Lab No.: 7451897	Analyst Observation: White Non-Fibrous	Location: Kitchen: South Wall On GWB Under FRP. Photo 419 MKS
Client No.: WNL0622-A56	Client Description: White Friable FRP Mastic	Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Lab No.: 7451897(L2)	Analyst Observation: Tan Mastic	Location: Kitchen: South Wall On GWB Under FRP. Photo 419 MKS
Client No.: WNL0622-A56	Client Description: White Friable FRP Mastic	Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Lab No.: 7451898	Analyst Observation: Black Cove Base	Location: Kitchen: South East corner, On FRP. Photo 420 MKS
Client No.: WNL0622-A57	Client Description: CB-2: Black 6" Cove Base, With Tan Mastic	Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director


CERTIFICATE OF ANALYSIS

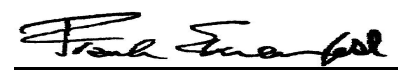
Client: EHS Alaska Incorporated 11901 Business Blvd., Ste 208 Eagle River AK 99577	Report Date: 7/1/2022 Report No.: 663823 - PLM Project: 825 W Northern Lights NESHAP Project No.: 7952-01
Client: EHS511	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451898(L2) Client No.: WNL0622-A57	Analyst Observation: Tan Mastic Client Description: CB-2: Black 6" Cove Base, With Tan Mastic	Location: Kitchen: South East corner, On FRP. Photo 420 MKS Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Cellulose	<u>Percent Non-Fibrous Material:</u> 99
Lab No.: 7451899 Client No.: WNL0622-A58	Analyst Observation: Lt Tan Drywall Client Description: White GWB, FRP Tan Mastic	Location: Kitchen: North Wall, Right Side OF Door Behind FRP. Photo 421 MKS Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 20 Cellulose	<u>Percent Non-Fibrous Material:</u> 80
Lab No.: 7451899(L2) Client No.: WNL0622-A58	Analyst Observation: White Joint Compound Client Description: White GWB, FRP Tan Mastic	Location: Kitchen: North Wall, Right Side OF Door Behind FRP. Photo 421 MKS Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7451899(L4) Client No.: WNL0622-A58	Analyst Observation: Tan Mastic Client Description: White GWB, FRP Tan Mastic	Location: Kitchen: North Wall, Right Side OF Door Behind FRP. Photo 421 MKS Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Cellulose	<u>Percent Non-Fibrous Material:</u> 99
Lab No.: 7451900 Client No.: WNL0622-A59	Analyst Observation: Black Floor Tile Client Description: FT-1: Solid Core Black 12"x12" Floor Tile, Brown Mastic	Location: Kitchen: North Side, On Concrete Slab. Photo 423 MKS Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7451900(L2) Client No.: WNL0622-A59	Analyst Observation: Tan Mastic Client Description: FT-1: Solid Core Black 12"x12" Floor Tile, Brown Mastic	Location: Kitchen: North Side, On Concrete Slab. Photo 423 MKS Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated
11901 Business Blvd., Ste 208
Eagle River AK 99577


Report Date: 7/1/2022
Report No.: 663823 - PLM
Project: 825 W Northern Lights NESHAP
Project No.: 7952-01

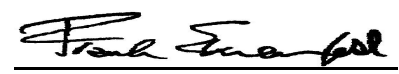
Client: EHS511

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451901 Client No.: WNL0622-A60	Analyst Observation: Off-White Floor Tile Client Description: FT-2: Solid Core White 12"x12" Floor Tile, Brown Mastic	Location: Kitchen: North Side, On Concrete Slab. Photo 423 MKS Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7451901(L2) Client No.: WNL0622-A60	Analyst Observation: Tan Mastic Client Description: FT-2: Solid Core White 12"x12" Floor Tile, Brown Mastic	Location: Kitchen: North Side, On Concrete Slab. Photo 423 MKS Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7451902 Client No.: WNL0622-A61	Analyst Observation: Off-White Wall Cover Client Description: White Skim Coat Wall Covering	Location: Storage Room: West Wall Texture On GWB. Photo 424 MKS Facility:
<u>Percent Asbestos:</u> <i>PC 1.3 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 98.7
Lab No.: 7451903 Client No.: WNL0622-A62	Analyst Observation: Tan Mastic Client Description: Tan Heat Shield Mastic	Location: Men's Restroom: Center Of Ceiling Light Fixture. Photo 565 ETM Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7451904 Client No.: WNL0622-A63	Analyst Observation: Tan Cove Base Client Description: CB-3: Tan 4" Cove Base With Light Tan Mastic	Location: Mechanical Room: South Wall, On GWB. Photo 427 MKS Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7451904(L2) Client No.: WNL0622-A63	Analyst Observation: Tan Mastic Client Description: CB-3: Tan 4" Cove Base With Light Tan Mastic	Location: Mechanical Room: South Wall, On GWB. Photo 427 MKS Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated 11901 Business Blvd., Ste 208 Eagle River AK 99577	Report Date: 7/1/2022 Report No.: 663823 - PLM Project: 825 W Northern Lights NESHAP Project No.: 7952-01
Client: EHS511	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451905 Client No.: WNL0622-A64	Analyst Observation: Off-White Joint Compound Client Description: White Joint Compound And Tape	Location: Mechanical Room: Center Of Ceiling. Photo 428 MKS Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

Lab No.: 7451906 Client No.: WNL0622-A65	Analyst Observation: Tan Cove Base Client Description: CB-3: Tan 4" Cove Base With Light Tan Mastic	Location: Mechanical Room: North Wall On CMU. Photo 426 MKS Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	


Lab No.: 7451906(L2) Client No.: WNL0622-A65	Analyst Observation: Tan Mastic Client Description: CB-3: Tan 4" Cove Base With Light Tan Mastic	Location: Mechanical Room: North Wall On CMU. Photo 426 MKS Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

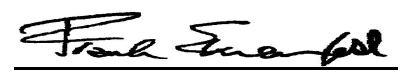
Lab No.: 7451907 Client No.: WNL0622-A66	Analyst Observation: Off-White Floor Tile Client Description: FT-2: Solid Core White 12"x12" Floor Tile, Brown Mastic	Location: Mechanical Room: Near North Wall On Concrete Slab. Photo 425 MKS Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

Lab No.: 7451907(L2) Client No.: WNL0622-A66	Analyst Observation: Tan Mastic Client Description: FT-2: Solid Core White 12"x12" Floor Tile, Brown Mastic	Location: Mechanical Room: Near North Wall On Concrete Slab. Photo 425 MKS Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

Lab No.: 7451908 Client No.: WNL0622-A67	Analyst Observation: Black Floor Tile Client Description: FT-1: Solid Core Black 12"x12" Floor Tile, Brown Mastic	Location: Mechanical Room: Near North Wall On Concrete Slab. Photo 425 MKS Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director


CERTIFICATE OF ANALYSIS

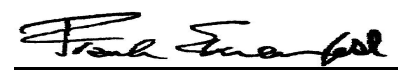
Client: EHS Alaska Incorporated 11901 Business Blvd., Ste 208 Eagle River AK 99577	Report Date: 7/1/2022 Report No.: 663823 - PLM Project: 825 W Northern Lights NESHAP Project No.: 7952-01
Client: EHS511	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7451908(L2) Client No.: WNL0622-A67	Analyst Observation: Tan Mastic Client Description: FT-1: Solid Core Black 12"x12" Floor Tile, Brown Mastic	Location: Mechanical Room: Near North Wall On Concrete Slab. Photo 425 MKS Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7451909 Client No.: WNL0622-A68	Analyst Observation: Off-White Ceiling Texture Client Description: CT-1: White Light Orange Peel Ceiling Texture	Location: Kitchen: Near Center Of Ceiling, On GWB. Photo 580 ETM Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7451910 Client No.: WNL0622-A69	Analyst Observation: Tan Mastic Client Description: FRP Mastic, Hard, Brittle	Location: North Entrance: Behind FRP On Wood Framing At Door To Kitchen. Photo 429 MKS Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7451911 Client No.: WNL0622-A70	Analyst Observation: Black Cove Base Client Description: CB-1: Black Pliable 4" Cove Base	Location: North Entrance: Base Of Storage Shelves, On Wood Self Framing. Photo 430 MKS Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7451911(L2) Client No.: WNL0622-A70	Analyst Observation: Off-White Mastic Client Description: CB-1: Black Pliable 4" Cove Base	Location: North Entrance: Base Of Storage Shelves, On Wood Self Framing. Photo 430 MKS Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated
11901 Business Blvd., Ste 208
Eagle River AK 99577

Report Date: 7/1/2022
Report No.: 663823 - PLM
Project: 825 W Northern Lights NESHAP
Project No.: 7952-01

Client: EHS511

Appendix to Analytical Report

Customer Contact: Cali Swatowski

Method: 40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, USEPA 600, R93-116 and NYSDOH ELAP 198.1 as needed.

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com

iATL Office Manager: wchampion@iatl.com

iATL Account Representative: Semih Kocahasan

Sample Login Notes: See Batch Sheet Attached

Sample Matrix: Bulk Building Materials

Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. PC Trace represents a <0.25% amount. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB) See additional information at the end of this appendix.

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated
11901 Business Blvd., Ste 208
Eagle River AK 99577

Report Date: 7/1/2022
Report No.: 663823 - PLM
Project: 825 W Northern Lights NESHAP
Project No.: 7952-01

Client: EHS511

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process)
Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at customerservice@iatl.com.

- 1) Note: No mastic provided for analysis.
- 2) Note: Insufficient mastic provided for analysis.
- 3) Note: Insufficient material provided for analysis.
- 4) Note: Insufficient sample provided for QC reanalysis.
- 5) Note: Different material than indicated on Sample Log / Description.
- 6) Note: Sample not submitted.
- 7) Note: Attached to asbestos containing material.
- 8) Note: Received wet.
- 9) Note: Possible surface contamination.
- 10) Note: Not building material. 1% threshold may not apply.
- 11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
- 12) Note: Asbestos detected but not quantifiable.
- 13) Note: Multiple identical samples submitted, only one analyzed.
- 14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
- 15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.
- 16) Note: This sample contains >10% vermiculite mineral. See Appendix for Recommendations for Vermiculite Analysis.

Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gange, homogeneous exfoliated books of mica, or mixed mineral composites). Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

For New York State customers, NYSDOH requires disclaimers and qualifiers for various vermiculite containing samples that direct analysis via ELAP198.6 and ELAP198.8 for samples that contain >10% vermiculite mineral where ELAP198.6 may be used to evaluate the asbestos content of the material. However, any test result using ELAP198.6 will be reported with the following disclaimer: "ELAP198.6 method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing >10% vermiculite."

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) www.atsdr.cdc.gov, United States Geological Survey (USGS) www.minerals.usgs.gov/minerals/, US EPA www.epa.gov/asbestos. The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional. NYS customers please follow current NYSDOH ELAP requirements per policy on subject of surfacing and vermiculite, May 6, 2016, Testing Requirements for Surfacing Material Containing Vermiculite (https://www.wadsworth.org/sites/default/files/WebDoc/I198_8_02_2.pdf)

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

- 1) **Analytical Step/Method:** Initial Screening by PLM, EPA 600R-93/116
Requirements/Comments: Minimum of 0.1 g of sample. ~0.25% for most samples.

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated
11901 Business Blvd., Ste 208
Eagle River AK 99577

Report Date: 7/1/2022
Report No.: 663823 - PLM
Project: 825 W Northern Lights NESHAP
Project No.: 7952-01

Client: EHS511

2)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

3)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Floats" only.

4)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

5)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Suspension" only.

*With advance notice and confirmation by the laboratory.

**Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

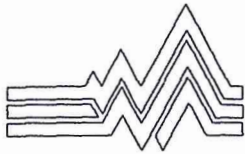
New York State Department of Health requires that samples originating from NYS that they categorize as Non-friable Organically Bound materials can only be confirmed as None Detected for asbestos by method 198.4. See the table below for a list of those materials. (ENVIRONMENTAL LABORATORY APPROVAL PROGRAM CERTIFICATION MANUAL - ITEM No. 198.1, Revision Date 5/6/16)

*Asphalt Shingles, Caulking, Ceiling Tiles with Cellulose, Duct Wrap, Glazing, Mastic, Paint Chips, Resilient Floor Tiles, Rubberized Asbestos Gaskets, Siding Shingles, Vinyl Asbestos Tile, NOB materials (other than SM-V) with <10% vermiculite, Any material (Friable or NOB other than SM-V) with >10% vermiculite.

Statistically derived uncertainty with any measure should be taken into consideration when reviewing and interpreting all reported data and results. A more comprehensive listing of accuracy, precision, and uncertainty as it impacts this method is available upon request.

APPENDIX B

Lead TCLP Sample Field Survey Data Sheets and Laboratory Reports



EHS ALASKA
INCORPORATED

EHS Alaska, Inc.
11901 Business Blvd., Suite 208, Eagle River, AK 99577
(907) 694-1383 • (907) 694-1382 fax
e-mail • ehsak@ehs-alaska.com

PROJECT NO: 7952-01	PROJECT NAME: 825 W Northern Lights NESHAP	FACILITY: 825 W Northern Lights	COLLECTION DATE: 06/23/22
-------------------------------	--	---	-------------------------------------

CHAIN OF CUSTODY RECORD

ANALYSIS REQUESTED:	<input type="checkbox"/> PLM BULK	<input type="checkbox"/> PLM DUST	<input type="checkbox"/> TEM BULK	TYPE:	TURNAROUND:	DISPOSAL:	QUANTITY:
	<input type="checkbox"/> LEAD DUST	<input checked="" type="checkbox"/> LEAD TCLP	<input type="checkbox"/> LEAD PPM	<input type="checkbox"/> ASBESTOS	NORMAL	NORMAL	1
	<input type="checkbox"/> TEM MICROVAC DUST (ASTM 5756)			<input checked="" type="checkbox"/> LEAD			

COLLECTED BY (signature) Martin Schwan PRINTED NAME 20110842 TA8-1219-13450 CERT# / AHERA# FedEx SHIPPING METHOD 7772 29970 N6919 COURIER (signature) DATE/TIME: 6/23/22 0906	IATL SELECTED LABORATORY RECEIVED SAMPLES ACCEPTED BY DATE/TIME: 6/23/22 ANALYST'S SIGNATURE <i>[Signature]</i>	SPECIAL INSTRUCTIONS / COMMENTS: LAB: RETURN A SIGNED COPY OF THIS FORM WITH THE FINAL REPORT TO EHS-ALASKA, INC.
---	--	---

FIELD SURVEY DATA

EHS SAMPLE NO. LAB ID NO	SAMPLE DESCRIPTION, (COLOR, MATERIAL TYPE, LAYERS, FRIABILITY)	LOCATION/COMMENTS (INCLUDING PHOTO/XREF)	RESULTS FOR EHS-ALASKA USE ONLY
WNL-0622- TCLP01 1451782	Composite of various building materials	Various locations throughout the Building	35 ppm
END	**END**	**END**	—

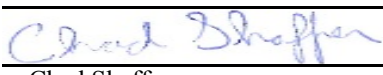
CERTIFICATE OF ANALYSIS


Client: EHS Alaska Incorporated 11901 Business Blvd., Ste 208 Eagle River AK 99577	Report Date: 7/1/2022 Report No.: 663812 - Lead Paint Project: 825 W Northern Lights NESHAP Project No.: 7952-01
Client: EHS511	

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7451782	Description:	Result (% by Weight): 0.0035
Client No.: WNL-0622-TCLP01	Location: Various Locations Throughout the Building - Composite of Various Building Materials	Result (ppm): 35
		Comments:

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/28/2022
Date Analyzed: 07/01/2022
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated
11901 Business Blvd., Ste 208
Eagle River AK 99577

Report Date: 7/1/2022
Report No.: 663812 - Lead Paint
Project: 825 W Northern Lights NESHAP
Project No.: 7952-01

Client: EHS511

Appendix to Analytical Report:

Customer Contact: Cali Swatowski
Method: ASTM D3335-85a, US EPA SW846 3050B:7000B

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL Office Manager: wchampion@iatl.com
iATL Account Representative: Semih Kocahasan
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Paint
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by ASTM D3335-85a by AAS

Certification:

- National Lead Laboratory Program (NLLAP): AIHA-LAP, LLC No. 100188
- NYSDOH-ELAP No. 11021

This report meets the standards set forth in the EPA's National Lead Laboratory Accreditation Program (NLLAP) through the Laboratory Quality System Requirements (LQSR) Revision 3.0 November 5, 2007. All Environmental Lead Proficiency Analytical Testing (ELPAT) is through the AIHA-PAT established program.

Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation. All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Appendix B.

Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies.

LSD=0.2 ppm MDL=0.006% by weight. RL= 0.010% by weight (based upon 100 mg sampled).

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at customerservice@iatl.com.

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated
11901 Business Blvd., Ste 208
Eagle River AK 99577

Report Date: 7/1/2022
Report No.: 663812 - Lead Paint
Project: 825 W Northern Lights NESHAP
Project No.: 7952-01

Client: EHS511

- * Insufficient sample provided to perform QC reanalysis (<200 mg)
- ** Not enough sample provided to analyze (<50 mg)
- *** Matrix / substrate interference possible.

< less than sign, signifies none-detected below the empirical value based upon sub-sampled mass. This is often below the Reporting Limit (see above).

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated
11901 Business Blvd., Ste 208
Eagle River AK 99577

Report Date: 7/1/2022
Report No.: 663812 - Lead TCLP
Project: 825 W Northern Lights NESHAP
Project No.: 7952-01

Client: EHS511

LEAD TCLP SAMPLE ANALYSIS SUMMARY

Lab No.: 7451782

Client No.: WNL-0622-TCLP01

Description:

Location: Various Locations Throughout the
Building - Composite of Various Building
Materials

Total Lead (ppm): 35

TCLP Result (mg/L): NA

Note: Samples containing less than (<) 100 mg/Kg Total Lead do not require TCLP analysis (Ref. 1311 Sec 1.2).

Please refer to the Appendix of this report for further information regarding your analysis.


Date Received: 6/28/2022

Date Analyzed: 07/01/2022

Signature: 

Analyst: Chad Shaffer

Approved By:



Frank E. Ehrenfeld, III

Laboratory Director

CERTIFICATE OF ANALYSIS

Client: EHS Alaska Incorporated
11901 Business Blvd., Ste 208
Eagle River AK 99577

Report Date: 7/1/2022
Report No.: 663812 - Lead TCLP
Project: 825 W Northern Lights NESHAP
Project No.: 7952-01

Client: EHS511

Appendix to Analytical Report:

Customer Contact: Cali Swatowski
Analysis: AAS - US EPA 1311

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL Office Manager: wchampion@iatl.com
iATL Account Representative: Semih Kocahasan
Sample Matrix: Various
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.
This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis: Toxicity Characteristic Leaching Procedure (TCLP) by AAS: USEPA 1311

Certification: - NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)
NYSDOH-ELAP No. 11021

TCLP threshold value is 5.0 mg/L.

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.
Method Detection Limit (MDL) per EPA Method 40 CFR Part 136 Appendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies.
LSD = 0.2 ppm MDL = 4.7 mg/kg RL = 10 mg/kg (based upon 1000 mg sampled). Mg/kg = ppm.
Sample results are not corrected for contamination by field or analytical blanks.

* Samples containing 100 ppm total lead or more require TCLP analysis (Ref. 1311 Sec 1.2).

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at customerservice@iatl.com.

Note: Insufficient material to provide TCLP analysis. (<55grams)

APPENDIX C

Lead Analyzer Test Results

LEAD ANALYZER TEST RESULTS

Heuresis Pb200i, Serial No. 1770

NO.	SITE	INSPECTOR	FLOOR	ROOM	COMPONENT	SUBSTRATE	CONDITION	COLOR	DURATION	TIME	RESULTS		
											LBP	mg/cm ²	+/- ERROR
1	825 W. NL BLVD.	McCOMB	-	-	CALIBRATION	WOOD	-	GREEN	5	6/23/22 09:20:13	NEGATIVE	0.9	0.2
2	825 W. NL BLVD.	McCOMB	-	-	CALIBRATION	WOOD	-	GREEN	5	6/23/22 09:21:09	POSITIVE	1	0.2
3	825 W. NL BLVD.	McCOMB	-	-	CALIBRATION	WOOD	-	GREEN	5	6/23/22 09:21:52	POSITIVE	1	0.2
4	825 W. NL BLVD.	McCOMB	-	-	CALIBRATION	WOOD	-	GREEN	5	6/23/22 09:22:37	POSITIVE	1	0.2
5	825 W. NL BLVD.	McCOMB	FIRST	ENTRANCE	WALL	CONCRETE	FAIR	ORANGE	2	6/23/22 09:26:19	NEGATIVE	0.2	0.3
6	825 W. NL BLVD.	McCOMB	FIRST	ENTRANCE	WALL	CONCRETE	FAIR	ORANGE	2	6/23/22 09:27:11	NEGATIVE	0	0.3
7	825 W. NL BLVD.	McCOMB	FIRST	ENTRANCE	DOOR	METAL	FAIR	SILVER	2	6/23/22 09:28:09	NEGATIVE	0.3	0.3
8	825 W. NL BLVD.	McCOMB	FIRST	ENTRANCE	DOOR	METAL	FAIR	SILVER	2	6/23/22 09:28:33	NEGATIVE	0.3	0.3
9	825 W. NL BLVD.	McCOMB	FIRST	ENTRANCE	FLOOR	CERAMIC	FAIR	GREEN	2	6/23/22 09:30:42	NEGATIVE	0.3	0.3
10	825 W. NL BLVD.	McCOMB	FIRST	ENTRANCE	FLOOR	CERAMIC	FAIR	BLACK	2	6/23/22 09:31:28	NEGATIVE	0.1	0.3
11	825 W. NL BLVD.	McCOMB	FIRST	ENTRANCE	CEILING	DRYWALL	FAIR	WHITE	2	6/23/22 09:34:22	NEGATIVE	0.2	0.3
12	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	WALL	DRYWALL	FAIR	RED	2	6/23/22 09:36:11	NEGATIVE	0.2	0.3
13	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	WALL	DRYWALL	FAIR	RED	2	6/23/22 09:36:51	NEGATIVE	0.1	0.3
14	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	WALL	DRYWALL	FAIR	RED	2	6/23/22 09:37:37	NEGATIVE	0.3	0.3
15	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	WALL	WOOD	FAIR	BROWN	2	6/23/22 09:38:50	NEGATIVE	0.2	0.3
16	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	WALL	WOOD	FAIR	BROWN	2	6/23/22 09:39:34	NEGATIVE	0.2	0.3
17	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	WALL	WOOD	FAIR	BROWN	2	6/23/22 09:39:58	NEGATIVE	0.1	0.3
18	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	WALL	WOOD	FAIR	BROWN	2	6/23/22 09:40:41	NEGATIVE	0.1	0.3
19	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	WALL	WOOD	FAIR	BROWN	2	6/23/22 09:41:10	NEGATIVE	0.2	0.3
20	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	WALL	WOOD	FAIR	BROWN	2	6/23/22 09:42:33	NEGATIVE	0.1	0.3
21	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	WALL	DRYWALL	FAIR	TAN	2	6/23/22 09:44:52	NEGATIVE	0.2	0.3
22	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	WALL	DRYWALL	FAIR	TAN	2	6/23/22 09:46:21	NEGATIVE	0.2	0.3
23	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	FLOOR	VINYL	FAIR	BROWN	2	6/23/22 09:48:35	NEGATIVE	0.2	0.3
24	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	CABINET	FORMICA	FAIR	MAUVE	2	6/23/22 09:51:31	NEGATIVE	0.1	0.3
25	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	CABINET	FORMICA	FAIR	MAUVE	2	6/23/22 09:52:05	NEGATIVE	0.1	0.3
26	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	CEILING	WOOD	FAIR	OFF-WHITE	2	6/23/22 09:54:29	NEGATIVE	0.1	0.3
27	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	CEILING	WOOD	FAIR	DK BROWN	2	6/23/22 09:54:59	NEGATIVE	0.1	0.3
28	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	CEILING	WOOD	FAIR	DK BROWN	2	6/23/22 09:56:45	NEGATIVE	0.1	0.3
29	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	CEILING	WOOD	FAIR	OFF-WHITE	2	6/23/22 09:57:27	NEGATIVE	-0.2	0.3
30	825 W. NL BLVD.	McCOMB	FIRST	LOUNGE	CEILING	WOOD	FAIR	WHITE	2	6/23/22 09:58:46	NEGATIVE	0.1	0.3
31	825 W. NL BLVD.	McCOMB	FIRST	CORRIDOR	DOOR	METAL	FAIR	WHITE	2	6/23/22 10:05:20	NEGATIVE	0.1	0.3
32	825 W. NL BLVD.	McCOMB	FIRST	CORRIDOR	DOOR	WOOD	FAIR	BROWN	2	6/23/22 10:06:22	NEGATIVE	0.1	0.3
33	825 W. NL BLVD.	McCOMB	FIRST	CORRIDOR	DOOR	WOOD	FAIR	BROWN	2	6/23/22 10:06:54	NEGATIVE	0.1	0.3
34	825 W. NL BLVD.	McCOMB	FIRST	CORRIDOR	DOOR	WOOD	FAIR	BROWN	2	6/23/22 10:07:16	NEGATIVE	0.1	0.3
35	825 W. NL BLVD.	McCOMB	FIRST	CORRIDOR	WALL	DRYWALL	FAIR	ORANGE	2	6/23/22 10:08:22	NEGATIVE	0.1	0.3
36	825 W. NL BLVD.	McCOMB	FIRST	CORRIDOR	WALL	DRYWALL	FAIR	ORANGE	2	6/23/22 10:08:45	NEGATIVE	0.2	0.3
37	825 W. NL BLVD.	McCOMB	FIRST	CORRIDOR	WALL	DRYWALL	FAIR	ORANGE	2	6/23/22 10:09:05	NEGATIVE	0.1	0.3
38	825 W. NL BLVD.	McCOMB	FIRST	CORRIDOR	CEILING	DRYWALL	FAIR	ORANGE	2	6/23/22 10:10:37	NEGATIVE	0.2	0.3
39	825 W. NL BLVD.	McCOMB	FIRST	CORRIDOR	CEILING	DRYWALL	FAIR	ORANGE	2	6/23/22 10:11:05	NEGATIVE	0.2	0.3
40	825 W. NL BLVD.	McCOMB	FIRST	CORRIDOR	FLOOR	CERAMIC	FAIR	GRAY	2	6/23/22 10:12:11	NEGATIVE	0.1	0.3
41	825 W. NL BLVD.	McCOMB	FIRST	CORRIDOR	FLOOR	CERAMIC	FAIR	TAN	2	6/23/22 10:12:44	NEGATIVE	0.4	0.3
42	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	FLOOR	CERAMIC	FAIR	TAN	2	6/23/22 10:13:43	NEGATIVE	0.2	0.3
43	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	WALL	DRYWALL	FAIR	ORANGE	2	6/23/22 10:14:37	NEGATIVE	0.3	0.3
44	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	WALL	FRP	FAIR	WHITE	2	6/23/22 10:15:36	NEGATIVE	0.1	0.3
45	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	TOILET	CERAMIC	FAIR	WHITE	2	6/23/22 10:16:47	NEGATIVE	0.1	0.3
46	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	TOILET	CERAMIC	FAIR	WHITE	2	6/23/22 10:17:12	NEGATIVE	0.3	0.3
47	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	TOILET	CERAMIC	FAIR	WHITE	2	6/23/22 10:17:34	NEGATIVE	0.1	0.3
48	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	SINK	CERAMIC	FAIR	WHITE	2	6/23/22 10:18:32	NEGATIVE	0.1	0.3
49	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	CEILING	DRYWALL	FAIR	WHITE	2	6/23/22 10:19:40	NEGATIVE	0.3	0.3
50	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	CEILING	DRYWALL	FAIR	ORANGE	2	6/23/22 10:21:58	NEGATIVE	0.1	0.3
51	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	WALL	DRYWALL	FAIR	ORANGE	2	6/23/22 10:22:29	NEGATIVE	0.1	0.3
52	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	FLOOR TILE	CERAMIC	FAIR	PINK	2	6/23/22 10:23:38	NEGATIVE	0.4	0.3
53	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	SINK	CERAMIC	FAIR	PINK	2	6/23/22 10:24:35	POSITIVE	20.3	0.3
54	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	COUNTERTOP	FORMICA	FAIR	GRAY	2	6/23/22 10:25:44	NEGATIVE	0.1	0.3

LEAD ANALYZER TEST RESULTS

NO.	SITE	INSPECTOR	FLOOR	ROOM	COMPONENT	SUBSTRATE	CONDITION	COLOR	DURATION	TIME	RESULTS		
											LBP	mg/cm ²	+/- ERROR
55	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	WALL	FORMICA	FAIR	PINK	2	6/23/22 10:26:32	NEGATIVE	0.1	0.3
56	825 W. NL BLVD.	McCOMB	FIRST	BATHROOM	TOILET	CERAMIC	FAIR	WHITE	2	6/23/22 10:27:40	NEGATIVE	0	0.3
57	825 W. NL BLVD.	McCOMB	FIRST	CLOSET	WALL	DRYWALL	FAIR	PINK	2	6/23/22 10:29:56	NEGATIVE	0.1	0.3
58	825 W. NL BLVD.	McCOMB	FIRST	CLOSET	WALL	WOOD	FAIR	PINK	2	6/23/22 10:30:24	NEGATIVE	0.1	0.3
59	825 W. NL BLVD.	McCOMB	FIRST	KITCHEN	WALL	DRYWALL	FAIR	RED	2	6/23/22 10:32:28	NEGATIVE	0.2	0.3
60	825 W. NL BLVD.	McCOMB	FIRST	KITCHEN	WALL	DRYWALL	FAIR	RED	2	6/23/22 10:32:53	NEGATIVE	0.1	0.3
61	825 W. NL BLVD.	McCOMB	FIRST	KITCHEN	WALL	FRP	FAIR	WHITE	2	6/23/22 10:33:47	NEGATIVE	0.2	0.3
62	825 W. NL BLVD.	McCOMB	FIRST	KITCHEN	DOOR FRAME	WOOD	FAIR	BLACK	2	6/23/22 10:34:38	NEGATIVE	0.2	0.3
63	825 W. NL BLVD.	McCOMB	FIRST	KITCHEN	COUNTERTOP	FORMICA	FAIR	BLACK	2	6/23/22 10:35:30	NEGATIVE	0.3	0.3
64	825 W. NL BLVD.	McCOMB	FIRST	KITCHEN	WALL	FRP	FAIR	OFF-WHITE	2	6/23/22 10:37:20	NEGATIVE	0.2	0.3
65	825 W. NL BLVD.	McCOMB	FIRST	KITCHEN	WALL	FRP	FAIR	OFF-WHITE	2	6/23/22 10:37:46	NEGATIVE	0.1	0.3
66	825 W. NL BLVD.	McCOMB	FIRST	KITCHEN	FLOOR	CERAMIC	FAIR	OFF-WHITE	2	6/23/22 10:38:49	NEGATIVE	0.3	0.3
67	825 W. NL BLVD.	McCOMB	FIRST	KITCHEN	FLOOR	CERAMIC	FAIR	BLACK	2	6/23/22 10:39:20	NEGATIVE	0.2	0.3
68	825 W. NL BLVD.	McCOMB	FIRST	KITCHEN	PIPE	METAL	FAIR	BLACK	2	6/23/22 10:40:24	NEGATIVE	0	0.3
69	825 W. NL BLVD.	McCOMB	FIRST	KITCHEN	PIPE	METAL	FAIR	BLACK	2	6/23/22 10:40:48	NEGATIVE	0.2	0.3
70	825 W. NL BLVD.	McCOMB	FIRST	KITCHEN	SINK	CERAMIC	FAIR	OFF-WHITE	2	6/23/22 10:41:42	NEGATIVE	0.1	0.3
71	825 W. NL BLVD.	McCOMB	FIRST	KITCHEN	PIPE	METAL	FAIR	BLACK	2	6/23/22 10:43:21	NEGATIVE	0.2	0.3
72	825 W. NL BLVD.	McCOMB	FIRST	ENTRANCE	EXT DOOR	METAL	FAIR	GRAY	2	6/23/22 10:45:04	NEGATIVE	0.1	0.3
73	825 W. NL BLVD.	McCOMB	FIRST	ENTRANCE	DOOR	WOOD	FAIR	OFF-WHITE	2	6/23/22 10:46:21	NEGATIVE	0	0.3
74	825 W. NL BLVD.	McCOMB	FIRST	ELEC ROOM	WALL	DRYWALL	FAIR	OFF-WHITE	2	6/23/22 10:47:41	NEGATIVE	0.2	0.3
75	825 W. NL BLVD.	McCOMB	FIRST	ELEC ROOM	COUNTERTOP	FORMICA	FAIR	PINK	2	6/23/22 10:48:26	NEGATIVE	0.2	0.3
76	825 W. NL BLVD.	McCOMB	FIRST	ELEC ROOM	FLOOR	VINYL	FAIR	PINK	2	6/23/22 10:49:25	NEGATIVE	0.1	0.3
77	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	ELECTRICAL PANEL	METAL	FAIR	GRAY	2	6/23/22 10:50:49	NEGATIVE	0.2	0.3
78	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	ELECTRICAL PANEL	METAL	FAIR	GRAY	2	6/23/22 10:51:12	NEGATIVE	0.1	0.3
79	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	ELECTRICAL PANEL	METAL	FAIR	RED	2	6/23/22 10:51:50	NEGATIVE	0.1	0.3
80	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	ELECTRICAL PANEL	METAL	FAIR	BLACK	2	6/23/22 10:52:20	NEGATIVE	0.1	0.3
81	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	WALL	CMU	FAIR	OFF-WHITE	2	6/23/22 10:53:22	NEGATIVE	0.3	0.3
82	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	WALL	DRYWALL	FAIR	OFF-WHITE	2	6/23/22 10:53:58	NEGATIVE	0.1	0.3
83	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	PIPE	METAL	FAIR	GRAY	2	6/23/22 10:55:05	NEGATIVE	0.1	0.3
84	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	PIPE	METAL	FAIR	GRAY	5	6/23/22 10:56:39	POSITIVE	1	0.2
85	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	PIPE	METAL	FAIR	GRAY	5	6/23/22 10:57:21	POSITIVE	1	0.2
86	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	PIPE	METAL	FAIR	GRAY	5	6/23/22 10:58:03	POSITIVE	1	0.2
87	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	PIPE	METAL	FAIR	GRAY	5	6/23/22 13:48:03	NEGATIVE	0.9	0.2
88	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	PIPE	METAL	FAIR	GRAY	5	6/23/22 13:48:50	POSITIVE	1	0.2
89	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	PIPE	METAL	FAIR	GRAY	5	6/23/22 13:49:38	NEGATIVE	0.9	0.2
90	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	PIPE	METAL	FAIR	GRAY	5	6/23/22 13:50:28	NEGATIVE	0.9	0.2
91	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	PIPE	METAL	FAIR	GRAY	5	6/23/22 13:51:19	POSITIVE	1	0.2
92	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	PIPE	METAL	FAIR	GRAY	5	6/23/22 13:52:00	POSITIVE	1	0.2
93	825 W. NL BLVD.	McCOMB	FIRST	MECH ROOM	PIPE	METAL	FAIR	GRAY	5	6/23/22 13:52:40	POSITIVE	1	0.2
94	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	WALL	CMU	FAIR	OFF-WHITE	2	6/23/22 13:54:42	NEGATIVE	0.2	0.3
95	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	WALL	CMU	FAIR	OFF-WHITE	2	6/23/22 13:55:07	NEGATIVE	0.2	0.3
96	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	PIPE	METAL	FAIR	BLUE	2	6/23/22 13:56:42	NEGATIVE	0.2	0.3
97	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	PIPE	METAL	FAIR	GRAY	2	6/23/22 13:57:18	NEGATIVE	0.3	0.3
98	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	WALL	WOOD	FAIR	BLUE	2	6/23/22 13:59:43	NEGATIVE	0.2	0.3
99	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	EQUIPMENT	METAL	FAIR	GREEN	2	6/23/22 14:00:48	NEGATIVE	0.1	0.3
100	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	FLASHING	METAL	FAIR	BLUE	2	6/23/22 14:05:51	NEGATIVE	0.2	0.3
101	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	WALL	CMU	FAIR	BLUE	2	6/23/22 14:16:19	POSITIVE	12.5	0.3
102	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	WALL	CMU	FAIR	OFF-WHITE	2	6/23/22 14:17:17	POSITIVE	6.2	0.3
103	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	WALL	CMU	FAIR	OFF-WHITE	2	6/23/22 14:17:55	POSITIVE	7.8	0.3
104	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	WALL	CMU	FAIR	OFF-WHITE	2	6/23/22 14:18:38	NEGATIVE	0.1	0.3
105	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	MECH. EQUIP	METAL	FAIR	BROWN	2	6/23/22 14:28:29	NEGATIVE	0.1	0.3
106	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	PIPE	METAL	FAIR	SILVER	2	6/23/22 14:49:30	POSITIVE	63	0
107	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	WALL	CMU	FAIR	OFF-WHITE	2	6/23/22 15:22:57	POSITIVE	8	0.3
108	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	WALL	CMU	FAIR	OFF-WHITE	2	6/23/22 15:23:28	POSITIVE	13	0.3
109	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	WALL	CMU	FAIR	OFF-WHITE	2	6/23/22 15:23:54	NEGATIVE	0.2	0.3

LEAD ANALYZER TEST RESULTS

NO.	SITE	INSPECTOR	FLOOR	ROOM	COMPONENT	SUBSTRATE	CONDITION	COLOR	DURATION	TIME	RESULTS		
											LBP	mg/cm ²	+/- ERROR
110	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	WALL	CMU	FAIR	OFF-WHITE	2	6/23/22 15:29:21	NEGATIVE	0.2	0.3
111	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	WALL	CMU	FAIR	BEIGE	2	6/23/22 15:30:22	NEGATIVE	0.1	0.3
112	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	WALL	CMU	FAIR	BEIGE	2	6/23/22 15:31:40	NEGATIVE	0.2	0.3
113	825 W. NL BLVD.	McCOMB	FIRST	EXTERIOR	HAND RAIL	CMU	FAIR	BEIGE	2	6/23/22 15:39:24	NEGATIVE	0	0.3
114	825 W. NL BLVD.	McCOMB	-	-	CALIBRATION	WOOD	-	GREEN	5	6/23/22 16:12:59	POSITIVE	1	0.2
115	825 W. NL BLVD.	McCOMB	-	-	CALIBRATION	WOOD	-	GREEN	5	6/23/22 16:13:40	POSITIVE	1	0.2
116	825 W. NL BLVD.	McCOMB	-	-	CALIBRATION	WOOD	-	GREEN	5	6/23/22 16:14:21	POSITIVE	1	0.2

Table Heading Descriptions:

Duration: This is the nominal time in "source" seconds that each sample was analyzed.

LBP: Results are shown as positive (POS \geq 1.0 mg/cm²) or negative (NEG < 1.0 mg/cm²). Positive results are shown in bold print.

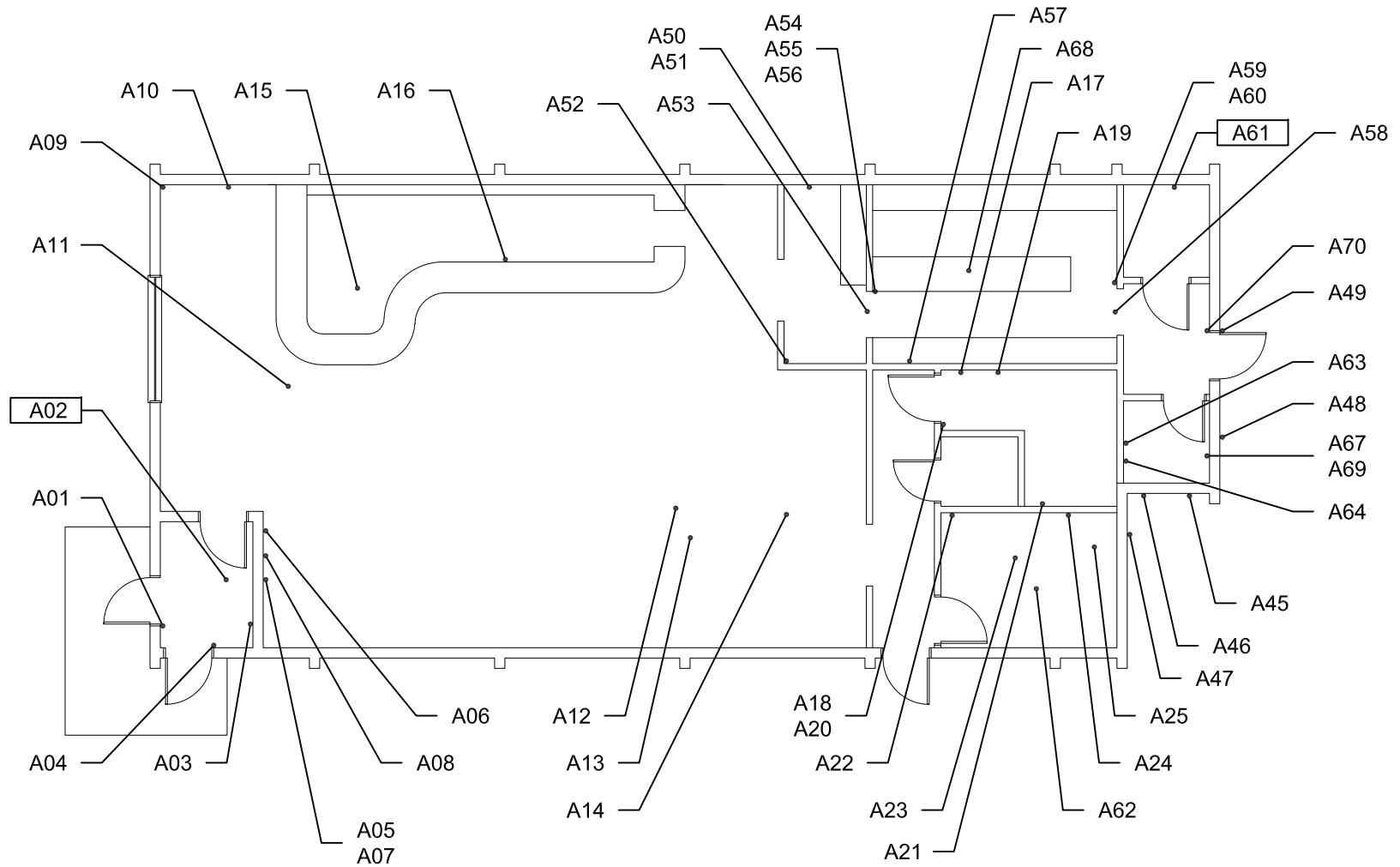
mg/cm²: This is the testing results produced by the Heuresis Pb200i instrument in milligrams of lead per square centimeter (mg/cm²). The EPA defines lead based paint as paint containing lead at 1.0 mg/cm² or greater. A negative number is a result of an internal computation made by the instrument and should be interpreted as zero. Even though paint may be termed negative (less than 1.0 mg/cm²) by EPA definition, disturbance of the paint may still be regulated by OSHA under 29 CFR 1926.62. Where lead is present at any level, appropriate engineering controls, work practices and personal protective equipment should be used until a negative exposure assessment can be determined. <LOD indicates that the lead present was less than the limits of detection of the instrument (very little or no lead present).

VOID: This indicates that the test was intentionally terminated by the operator due to operator error (e.g. - operator moved analyzer while testing).

Substrate: Where ceramic is shown as a substrate, lead content is typically from the glazing on the tile unless the tile is painted.

APPENDIX D

Drawings of Sample Locations



1
C-1

FIRST FLOOR PLAN
NTS



LEGEND

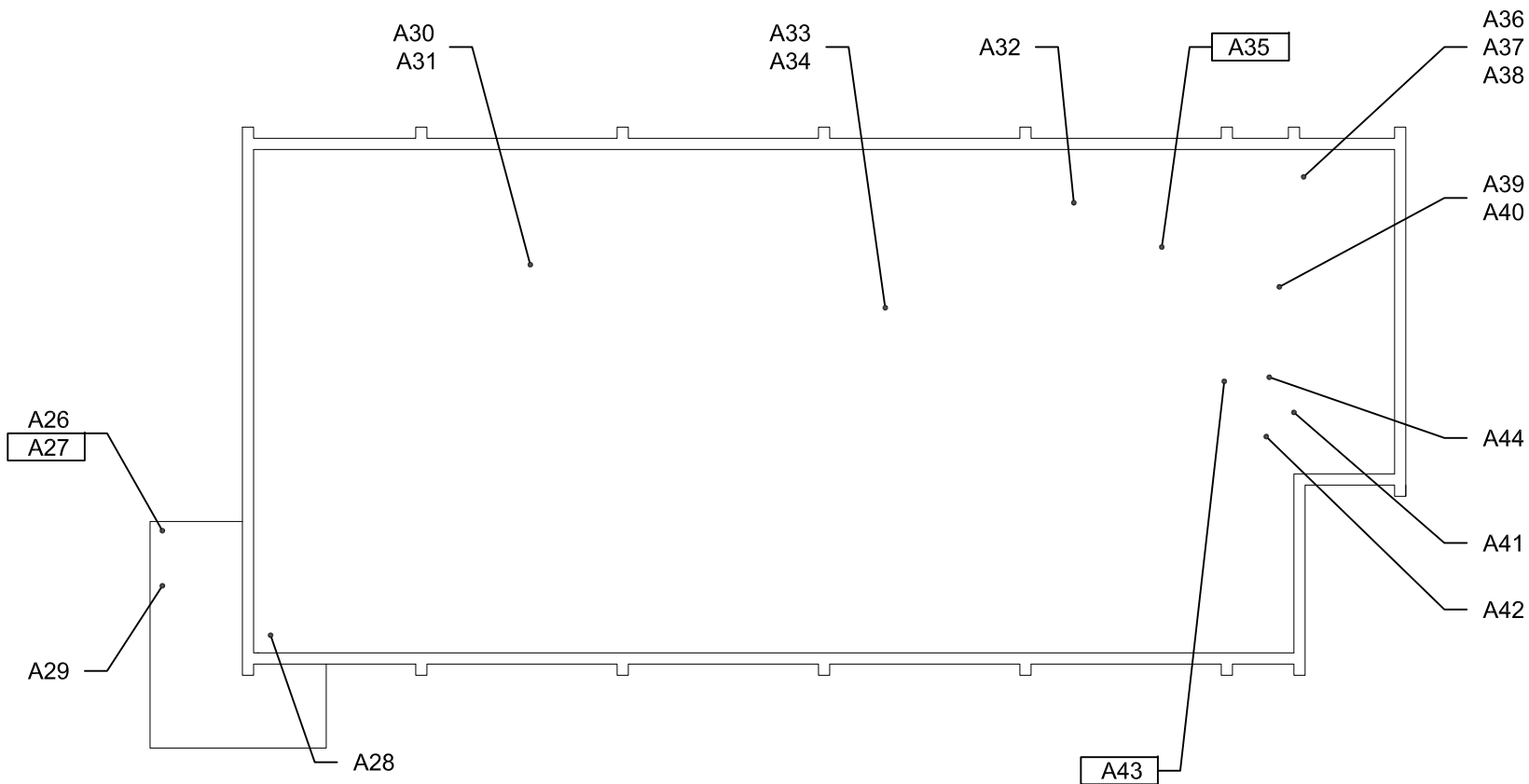
- AXX ASBESTOS TEST LOCATION
 - [AXX] LAB TEST RESULTS POSITIVE FOR ASBESTOS
- REFER TO TESTING SUMMARY IN REPORT FOR FULL DETAILS. ALL SAMPLES HAVE WNL0622- PREFIX.

CHEF'S INN

825 W NORTHERN LIGHTS BLVD
ANCHORAGE, ALASKA
ASBESTOS SAMPLE LOCATIONS



DRAWN: JHL	DATE: 06/23/2022
CHECK: RAF	DWG.NO: C-1
FILE #: 7952-SL	



1
C-2

ROOF PLAN
NTS



LEGEND

- AXX ASBESTOS TEST LOCATION
- AXX LAB TEST RESULTS POSITIVE FOR ASBESTOS

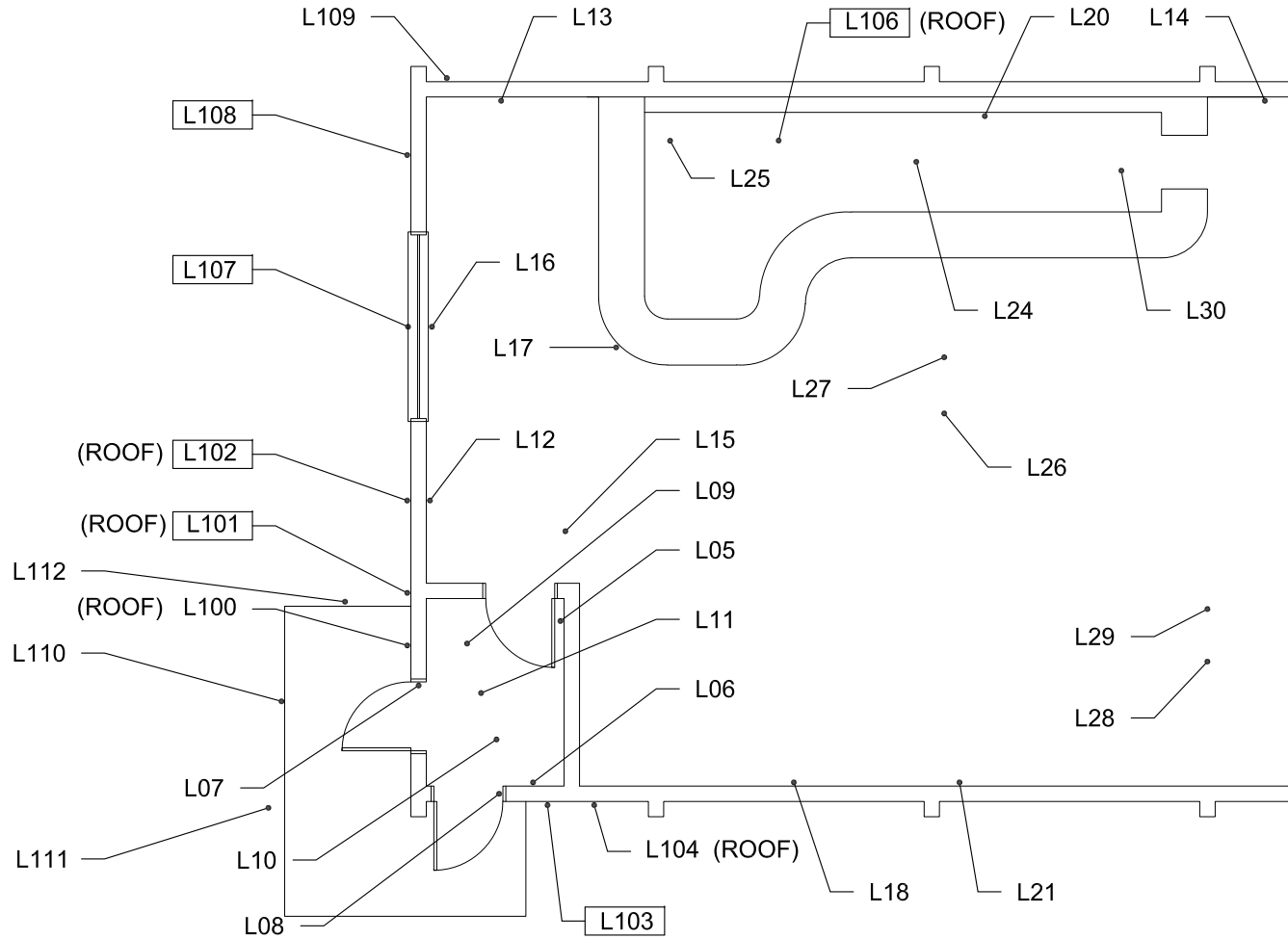
REFER TO TESTING SUMMARY IN REPORT FOR FULL DETAILS. ALL SAMPLES HAVE WNL0622- PREFIX.

CHEF'S INN

825 W NORTHERN LIGHTS BLVD
ANCHORAGE, ALASKA
ASBESTOS SAMPLE LOCATIONS



DRAWN: JHL	DATE: 06/23/2022
CHECK: RAF	DWG.NO: C-2
FILE #: 7952-SL	



1
C-3

FIRST FLOOR PLAN
NTS



LEGEND

- LXX LEAD TEST LOCATION
- LXX LEAD TEST CONTAINING ≥ 1.0 mg/cm² OF LEAD

REFER TO TESTING SUMMARY IN REPORT FOR FULL DETAILS.

CHEF'S INN

825 W NORTHERN LIGHTS BLVD
ANCHORAGE, ALASKA
LEAD SAMPLE LOCATIONS

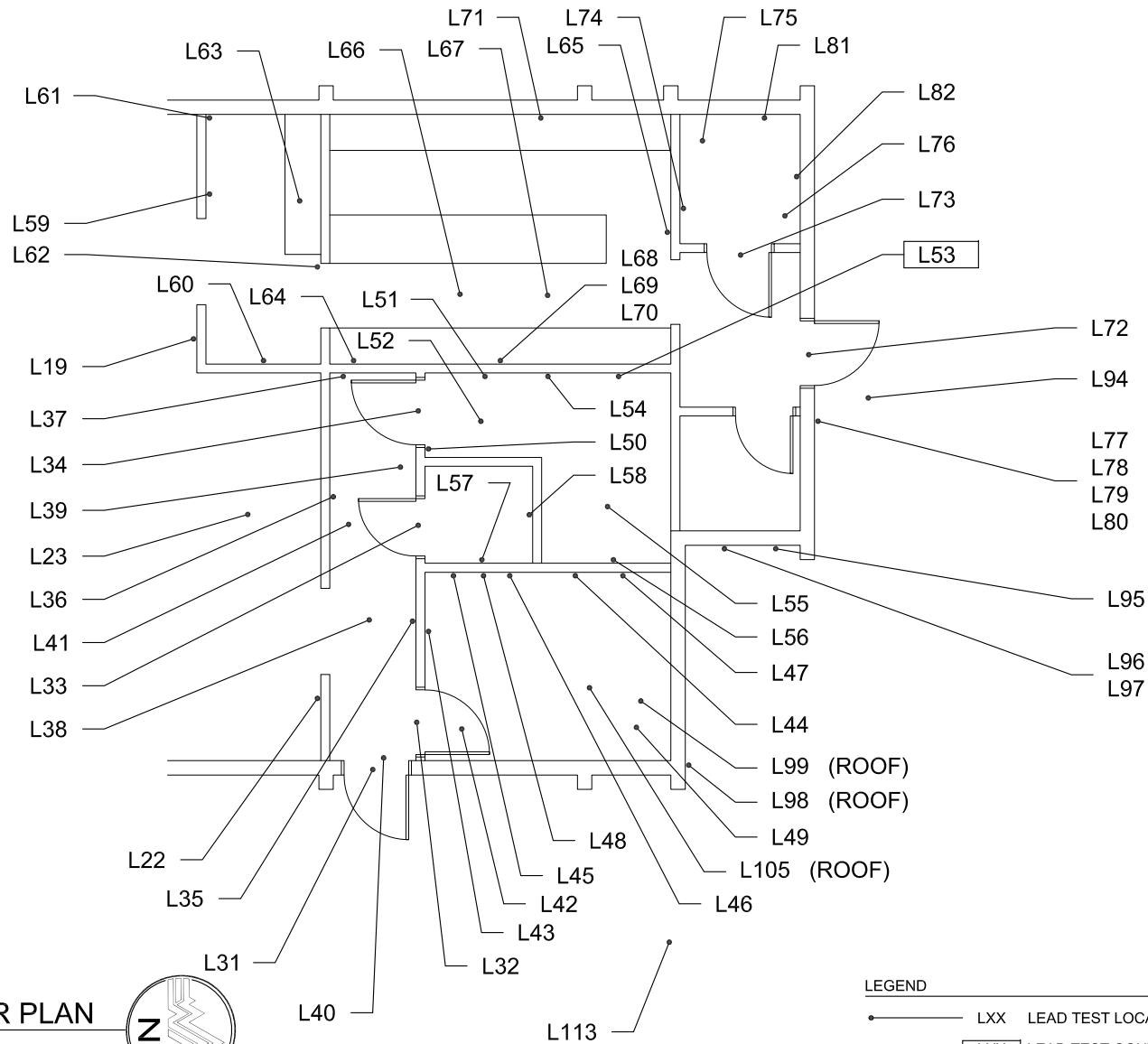


DRAWN: JHL
CHECK: RAF

DATE:
06/23/2022

FILE #:
7952-SL

DWG.NO:
C-3



1
C-4

FIRST FLOOR PLAN
NTS



LEGEND

- LXX LEAD TEST LOCATION
- LXX LEAD TEST CONTAINING ≥ 1.0 mg/cm² OF LEAD

REFER TO TESTING SUMMARY IN REPORT FOR FULL DETAILS.

CHEF'S INN

825 W NORTHERN LIGHTS BLVD
ANCHORAGE, ALASKA
LEAD SAMPLE LOCATIONS



DRAWN: JHL	DATE: 06/23/2022
CHECK: RAF	DWG.NO:
FILE #:	C-4
7952-SL	