

Environmental Health and Safety 211 Warren Square Bethlehem, Pa 18015-3054 610-758-4251 Fax 610-758-5606 http://www.lehigh.edu http://www.lehigh.edu/~inehs

March 6, 2014

To: Darrick Fritchman Gary Novak

Fm: Randy Shebby

alt

Re: ATLSS Safety Review

A safety review of the ATLSS IMBT laboratories was conducted on March 6, 2014 in accordance with the regulatory requirements of the Occupational Safety and Health Administration (OSHA), National Fire Protection Agency (NFPA) and International Building Code (IBC).

Overall the facility looks to be in good condition. A considerable amount of work was in progress leaving a minimal amount of space for work to be conducted. The photos and descriptions shown below identify areas that should be addressed as soon as possible.



Hooks require a safety latch.



Electrical panels should remain free of obstruction – hoses and rope should not be hung on the panels.



The floor of this platform has a sizeable hole large enough for an individual to step through.

The hole should be minimized to eliminate the hazard.

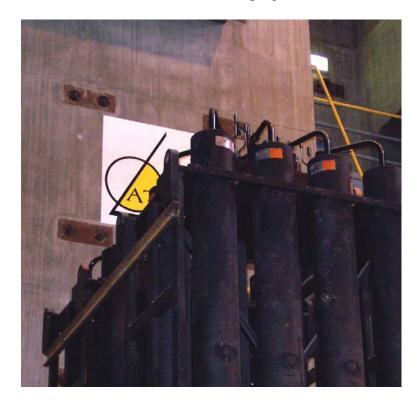
The open area requires a mid-rail to prevent individuals from accidentally stepping through the opening.

An opening was also noted on the steps leading up to the platform.

Cord on circular saw needs replacement.



Housekeeping in the electronics room needs to improve.





A records check indicates the Nitrogen accumulator was last inspected 4/4/11 and is due for inspection 4/4/14. An inspection has been scheduled by Facilities for 4/2/14.

## **Summary**

ATLSS staff has been asked to improve general housekeeping in the facility. Several improvements have been noted including guards to all grinders, new or repaired extension cords and the addition of a new forklift. Personnel driving the new forklift should review the forklift safety program found online at the EH&S web site.

If there are any questions or comments please contact Randy Shebby at the email rasf@lehigh.edu or the telephone number 86240.

Cc: Chad Kusko, Barbara Plohocki

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	HYDRAULIC OIL PER QUART	I hereby certify the listed planned maintenance was done along with necessary materials. You and your employees may operate above vehicle for purposes of testing, inspection, or delivery
•	AUTOMATIC TRANSMISSION OIL PER QUART	at my risk. An express mechanic's lien is acknowledged on above vehicle to secure the amount of repairs thereto. It is understood that this company assumes no responsibility for loss or
	ANTI-FREEZE PER QUART	damage by theft or fire to vehicles placed with them for storage, sale, repair, or while road testing.
	BRAKE FLUID PER OUNCE	Customer would not allow planned maintenance on truck at this time.
	WASTE OIL DISPOSAL (PERMIT #053-03222)	$M \sim T_{10}$
	AI SERVICE CHARGE	Customer Signature

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Rev. 10/2013



## THE LIFTING DEVISE DESCRIBED HEREIN HAS BEEN SUBJECTED TO A STRAIGHT TENSION LOAD TEST TO MANUFACTURE & ASME REQUIRED SPECIFICATIONS.

SERIAL NO.	DESCRIPTION	LOAD TEST
NN-B	CM 2T 622 CHAINFALL HOIST	5000LBS

CUSTOMER: U of M MAST LAB	ORDER NO; 1007450
DATE: 06/24/2014	LOAD-TESTED BY: LARRY GLOVER

#### LOAD TEST:

"Load test" is a term designating the load applied to a devise for the purpose of detecting defects in the material, design, or manufacture. It is the load, in pounds which the above devise was subjected to in its' current condition at the time of test.

#### CAUTION:





## THE LIFTING DEVISE DESCRIBED HEREIN HAS BEEN SUBJECTED TO A STRAIGHT TENSION LOAD TEST TO MANUFACTURE & ASME REQUIRED SPECIFICATIONS.

SERIAL NO.	DESCRIPTION	LOAD TEST
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CAUTION:





## THE LIFTING DEVISE DESCRIBED HEREIN HAS BEEN SUBJECTED TO A STRAIGHT TENSION LOAD TEST TO MANUFACTURE & ASME REQUIRED SPECIFICATIONS.

SERIAL NO.	DESCRIPTION	LOAD TEST
6418SH	CM 1-1/2T 673 LEVER PULLER HOIST	3750LBS

CUSTOMER: U of M MAST LAB	ORDER NO; <u>1007450</u>
DATE: 06/24/2014	LOAD-TESTED BY: LARRY GLOVER

#### LOAD TEST:

"Load test" is a term designating the load applied to a devise for the purpose of detecting defects in the material, design, or manufacture. It is the load, in pounds which the above devise was subjected to in its' current condition at the time of test.

#### CAUTION:~





## THE LIFTING DEVISE DESCRIBED HEREIN HAS BEEN SUBJECTED TO A STRAIGHT TENSION LOAD TEST TO MANUFACTURE & ASME REQUIRED SPECIFICATIONS.

SERIAL NO.	DESCRIPTION	LOAD TEST
6419SH	CM 1-1/2T 673 LEVER PULLER HOIST	3750LBS

CUSTOMER: U of M MAST LAB	ORDER NO; <u>1007450</u>
DATE: 06/24/2014	I OAD-TESTED BY: I ARRY GLOVER

#### LOAD TEST:

"Load test" is a term designating the load applied to a devise for the purpose of detecting defects in the material, design, or manufacture. It is the load, in pounds which the above devise was subjected to in its' current condition at the time of test.

#### CAUTION:





## THE LIFTING DEVISE DESCRIBED HEREIN HAS BEEN SUBJECTED TO A STRAIGHT TENSION LOAD TEST TO MANUFACTURE & ASME REQUIRED SPECIFICATIONS.

SERIAL NO.	DESCRIPTION	LOAD TEST
6414SH	CM 1-1/2T 673 LEVER PULLER HOIST	3750LBS

CUSTOMER: U of M MAST LAB	ORDER NO; <u>1007450</u>
DATE: 06/24/2014	LOAD-TESTED BY: LARRY GLOVER

#### LOAD TEST:

"Load test" is a term designating the load applied to a devise for the purpose of detecting defects in the material, design, or manufacture. It is the load, in pounds which the above devise was subjected to in its' current condition at the time of test.

#### CAUTION:





# THE LIFTING DEVISE DESCRIBED HEREIN HAS BEEN SUBJECTED TO A STRAIGHT TENSION LOAD TEST TO MANUFACTURE & ASME REQUIRED SPECIFICATIONS.

SERIAL NO.	DESCRIPTION	LOAD TEST
6417SH	CM 1-1/2T 673 LEVER PULLER HOIST	3750LBS

CUSTOMER: U of M MAST LAB	ORDER NO; 1007450
DATE: 06/24/2014	I OAD TESTED BY: LARRY GLOVER

### LOAD TEST:

"Load test" is a term designating the load applied to a devise for the purpose of detecting defects in the material, design, or manufacture. It is the load, in pounds which the above devise was subjected to in its' current condition at the time of test.

CAUTION:





## THE LIFTING DEVISE DESCRIBED HEREIN HAS BEEN SUBJECTED TO A STRAIGHT TENSION LOAD TEST TO MANUFACTURE & ASME REQUIRED SPECIFICATIONS.

SERIAL NO.	DESCRIPTION	LOAD TEST
6416SH	CM 1-1/2T 673 LEVER PULLER HOIST	3750LBS

CUSTOMER: U of M MAST LAB	ORDER NO; <u>1007450</u>
DATE: 06/24/2014	LOAD TESTED BY LARRY GLOVER

### LOAD TEST:

"Load test" is a term designating the load applied to a devise for the purpose of detecting defects in the material, design, or manufacture. It is the load, in pounds which the above devise was subjected to in its' current condition at the time of test.

#### CAUTION:





## THE LIFTING DEVISE DESCRIBED HEREIN HAS BEEN SUBJECTED TO A STRAIGHT TENSION LOAD TEST TO MANUFACTURE & ASME REQUIRED SPECIFICATIONS.

SERIAL NO.	DESCRIPTION	LOAD TEST
2175	CM 1T 622 CHAINFALL HOIST	2500LBS

	CUSTOMER: U of M MAST L	AB ORDER NO; 1007450
DATE: 06/24/2014 LOAD-TESTED BY: ARRY GLOVER	DATE: 00/24/2014	LOAD-TESTED BY LARRY GLOVER

### LOAD TEST:

"Load test" is a term designating the load applied to a devise for the purpose of detecting defects in the material, design, or manufacture. It is the load, in pounds which the above devise was subjected to in its' current condition at the time of test.

#### CAUTION:





## THE LIFTING DEVISE DESCRIBED HEREIN HAS BEEN SUBJECTED TO A STRAIGHT TENSION LOAD TEST TO MANUFACTURE & ASME REQUIRED SPECIFICATIONS.

SERIAL NO.	DESCRIPTION	LOAD TEST
2645UF	CM 1T 622 CHAINFALL HOIST	2500LBS

CUSTOMER:	U of M MAST	LAB	ORDER NO;	1007450	
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DATE: 06/24/2014 LOAD-TESTED BY: LARRY GLOVER

### LOAD TEST:

"Load test" is a term designating the load applied to a devise for the purpose of detecting defects in the material, design, or manufacture. It is the load, in pounds which the above devise was subjected to in its' current condition at the time of test.

### CAUTION:





## THE LIFTING DEVISE DESCRIBED HEREIN HAS BEEN SUBJECTED TO A STRAIGHT TENSION LOAD TEST TO MANUFACTURE & ASME REQUIRED SPECIFICATIONS.

DESCRIPTION	LOAD TEST
CM 5T 622 CHAINFALL HOIST	12,500LBS

CUSTOMER: U of M MAST	LAB ORDER NO; <u>1007450</u>
DATE: 06/24/2014	LOAD-TESTED BY: LARRY GLOVER

#### LOAD TEST:

"Load test" is a term designating the load applied to a devise for the purpose of detecting defects in the material, design, or manufacture. It is the load, in pounds which the above devise was subjected to in its' current condition at the time of test.

#### CAUTION:

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## THE LIFTING DEVISE DESCRIBED HEREIN HAS BEEN SUBJECTED TO A STRAIGHT TENSION LOAD TEST TO MANUFACTURE & ASME REQUIRED SPECIFICATIONS.

SERIAL NO.	DESCRIPTION	LOAD TEST
SA-B	CM 5T 622 CHAINFALL HOIST	12,500LBS

CUSTOMER: U of M MAST LAB	ORDER NO; <u>1007450</u>
DATE: 06/24/2014	LOAD TESTED BY LARRY GLOVER

### LOAD TEST:

"Load test" is a term designating the load applied to a devise for the purpose of detecting defects in the material, design, or manufacture. It is the load, in pounds which the above devise was subjected to in its' current condition at the time of test.

#### CAUTION:





# THE LIFTING DEVISE DESCRIBED HEREIN HAS BEEN SUBJECTED TO A STRAIGHT TENSION LOAD TEST TO MANUFACTURE & ASME REQUIRED SPECIFICATIONS.

SERIAL NO.	DESCRIPTION	LOAD TEST
SA-B	CM 5T 622 CHAINFALL HOIST	12,500LBS

CUSTOMER: U of M MAST LAB	ORDER NO; <u>1007450</u>
DATE: 06/24/2014	LOAD-TESTED BY: LARRY GLOVER

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#### CAUTION:





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SERIAL NO.	DESCRIPTION	LOAD TEST
SA-B	CM 5T 622 CHAINFALL HOIST	12,500LBS

CUSTOMER: U of M MAST L	AB ORDER NO; <u>1007450</u>
DATE 06/24/2014	LOAD-TESTED BY: LARRY GLOVER

### LOAD TEST:

"Load test" is a term designating the load applied to a devise for the purpose of detecting defects in the material, design, or manufacture. It is the load, in pounds which the above devise was subjected to in its' current condition at the time of test.

#### CAUTION:

