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ASBESTOS MONITORING AND SURVEILLANCE REPORT CNC CHARLESTON SC

2/1/2003

J. J. SOSA AND ASSOCIATES, INC.

Asbestos Monitoring and Surveillance Report

Charleston Naval Complex
Charleston, South Carolina

Contract No. N62467-01-D-0410
SOW No. 644

Prepared for:

Department of the Navy
Southern Division
Naval Facilities Engineering Command
Attention: J.B. Lawrence
2155 Eagle Drive
North Charleston, SC 29419-9010

Prepared by:

J.J. Sosa & Associates, Inc. (JJSA)
5811 Memorial Highway, Suite 207
Tampa, Florida 33615-5000

February 2003

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Asbestos Business Organization License No. ZA-0000106

Jose J. Sosa, P.E., CIH
FLAC No. EA 0000055

February 2003

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LIST OF ACRONYMS

A/C	AIR CONDITIONER
ACBM(s)	ASBESTOS-CONTAINING BUILDING MATERIAL(S)
ACM(s)	ASBESTOS-CONTAINING MATERIAL(S)
AMO	AMOSITE
BLDG	BUILDING
BUR	BUILT-UP ROOF
CBS	CONCRETE BLOCK SYSTEM
COMP	COMPOUND
CRY	CHRYSOTILE
CT	CEILING TILE(S)
DECO	DECORATIVE
DIR	DIRECTIONAL
D/I	DROP-IN
D/W	DRYWALL
EXT	EXTERIOR
F/P	FISSURES/PINHOLES
HA	HOMOGENEOUS AREA
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
INT	INTERIOR
JJSA	J.J. SOSA & ASSOCIATES, INC.
JT	JOINT
LF	LINEAR FEET
LT	LIGHT
L/F	LONG FISSURES
L/W	LENGTHWISE
N/A	NOT APPLICABLE
NAFD	NO ASBESTOS FIBERS DETECTED
NAN	NOT ANALYZED
NO	NUMBER
NSAP	NOT SAMPLED ASSUMED POSITIVE
O&M	OPERATION AND MAINTENANCE
PLM	POLARIZED LIGHT MICROSCOPY
QA/QC	QUALITY ASSURANCE/QUALITY CONTROL
RACM(s)	REGULATED ASBESTOS-CONTAINING MATERIAL(S)
RVF	ROLLED VINYL FLOORING
SF	SQUARE FEET
S/F	STOREFRONT
TSI	THERMAL SYSTEM INSULATION
VBB	VINYL BASEBOARD
VFT	VINYL FLOOR TILE
VTR	VENT-THROUGH-ROOF
W/	WITH
W/I	WALK-IN

1.0 INTRODUCTIONS

J.J. Sosa & Associates, Inc. (JJSA) was retained by the U. S. Department of the Navy, Southern Division (SouthDiv), Naval Facilities Engineering Command (NAVFAC) to perform an asbestos-containing material (ACM) monitoring and surveillance for Buildings 638,640, 648, 655, 758, NS-20, and X-10, located at the Charleston Naval Complex, Charleston, South Carolina. This reports lists those buildings and discusses the results of this project.

The purpose of this project was to perform air monitoring and sample collection for the abatement contractor during the removal of asbestos materials located in the building according to the protocols and sampling guidelines provided by your office.

The ACM monitoring and sampling was performed in accordance with the American National Standards Institute (ANSI), the American Society for Testing and Materials (ASTM), the U.S. Environmental Protection Agency's (USEPA) Code of Federal Regulations (CFR), and the South Carolina Asbestos Regulations requirements for the removal of asbestos containing material.

2.0 PROJECT INFORMATION

The asbestos containing materials, which were subject to abatement activities, were identified in the following locations:

Building 638:	3 gray TSI mudded fittings (2 square feet)
	140-160 square feet of 9" x 9" black floor tile and mastic
Building 640:	90-110 square feet of damaged sprayed on ceiling material in pantry
Building 648:	2 TSI mudded fittings (2 square feet) in laundry room
	225-275 square feet of 12" x 12" tan floor tile and mastic
Building 653	1 TSI mudded fitting
Building 758	280-320 lineal feet of TSI pipe lagging
	90-110 TSI mudded fittings
Building NS-20	25 square feet of 9" x 9" gray floor tile

3.0 PROJECT MONITORING

Air samples were collected prior to, during, and after the removal activities for each work area utilizing high volume and/or low volume sampling pumps using 0.8 micron Mixed Cellulose Ester filters in line. All sampling pumps were calibrated before and after each sampling period using a pre-calibrated rotometer. The daily asbestos air samples collected during the project were analyzed by Phase Contrast Micrsocopy (PCM). The daily air monitoring results are presented in Appendix A.

Pre-abatement sampling was performed one (1) day prior to the commencement of abatement activities on each work area. A minimum of three samples for every 1,000 square feet of work area was collected.

Daily sampling was performed inside the clean room of the decon facility, at the exhaust of the negative air machine, and outside of the regulated work area established for each building.

Personnel sampling as required by OSHA regulation 29CFR 1926.1101 (f)(3)(i) and South Carolina Department of Health and Environmental Conservation was performed during the removal activities. A summary of those results is provided in Appendix A.

Work areas clearance samples were collected after a thorough visual inspection of the work area after the encapsulant had dried. Clearance sampling was performed under aggressive conditions using a one-horsepower electric leaf blower during sampling. The work area clearance criteria for this project was 0.010 asbestos fibers per cubic centimeter (f/cc). Upon successful sampling with analytical results less than the clearance criteria the work areas were deemed clean and released for re-occupancy or demolition.

4.0 PROJECT SURVEILLANCE

Pre- abatement inspections were performed for each work area and the adjacent areas prior to the commencement of abatement activities.

Daily inspections were performed at each work area to ensure that the negative air machines, shower filtration system, and HEPA vacuums are functioning properly during the abatement activities.

Removal methods, engineering controls, storage facilities, and containment perimeters were inspected and reviewed by the site representative every two hours throughout the abatement activities.

Final Inspections were performed at each work area prior to the application of the removal encapsulant being applied to the substrate. All surfaces within the work area were inspected for asbestos material debris generated during the removal process.

Teardown Inspections were performed after work area clearance was attained and after teardown was completed to ensure that the contractor did not leave any asbestos containing materials.

5.0 ABATEMENT

EEG, Inc. (EEG) a South Carolina Licensed Asbestos Abatement Contractor mobilized to the Charleston Naval Complex on January 13, 2003, and off-loaded supplies and equipment for asbestos removal activities and began preparing the designated work areas for abatement. Gross removal activities were initiated on the afternoon of January 13, 2003. Routine observations of designated work areas (inside and outside), containment perimeters, decontamination units, work practices, worker decontamination procedures, air filtration devices and asbestos waste storage and handling practices were performed approximately every two hours by J.J Sosa throughout the course of the project. Upon completion of the removal activities and at the request of the Contractor, J.J. Sosa performed a final visual observation of each work area for completeness. Areas subjected to the final visual observations included but were not limited to the following: horizontal surfaces, vertical surfaces, and abated surfaces (e.g. piping, ceilings and floors). Upon receiving notification of an approved visual observation of the work area, the Contractor was given authorization to apply encapsulant. After allowing sufficient time for the Contractor applied encapsulant to dry, final clearance aggressive air samples were collected, where appropriate, and analyzed by PCM in general accordance NIOSH Method 7400,

Revision 3. Analysis of the final clearance aggressive air samples obtained from the designated regulated work areas indicated an airborne asbestos concentration below the specified clearance level of 0.010 asbestos fibers per cubic centimeter (f/cc). After obtaining results of the final clearance observations/sampling, EEG removed equipment and materials from the work areas and the areas were determined to be clean and were released for re-occupancy.

6.0 PROJECT COMPLETION

The gross removal and fine cleaning activities for this project were completed on January 29, 2003. The contractor specific information, such as daily logs, training, and disposal manifests are not part of this report and are to be submitted to the Navy directly by the abatement contractor.

Appendix A

AIR MONITORING TABLES AND LABORATORY TESTING RESULTS

AIR MONITORING RESULTS
Charleston Naval Complex
Charleston, South Carolina
03000-03887

Sample #	Date	Sample Type	Location	Activity	Conc. (f/cc)
JJS13-01	1/13/03	PR	WALTER JANKOV	RM	0.03
JJS13-02	1/13/03	PR	MARK GERZANIC	RM	0.07
JJS13-03	1/13/03	BG	IWA	RF	0.05
JJS13-04	1/13/03	BG	IWA	RF	0.06
JJS13-05	1/13/03	BG	IWA	RF	0.03
JJS14-01	1/14/03	PR	WALTER JANKOV	RM	[redacted]
JJS14-02	1/14/03	RF	OWA CLEAN ROOM	RM	[redacted]
JJS14-03	1/14/03	RF	OWA	RM	[redacted]
JJS14-04	1/14/03	RF	OWA Near NAM	RM	<0.01
JJS14-05	1/14/03	RF	OWA	RM	<0.01
JJS14-06	1/14/03	PCL	IWA	FC	0.82
JJS14-07	1/14/03	PCL	IWA	FC	0.68
JJS14-08	1/14/03	PCL	IWA	FC	0.58
JJS15-01	1/15/03	PCL	IWA	FC	<0.01
JJS15-02	1/15/03	PCL	IWA	FC	<0.01
JJS15-03	1/15/03	PCL	IWA	FC	<0.01
JJS20-02	1/20/03	PR	Lee Gliddon	RM	<0.01
JJS20-03	1/20/03	PR	Travis Frazier	RM	<0.01
JJS21-03	1/21/03	PR	Melissa Decasta	RM	<0.01
JJS22-01	1/22/03	BG	Inside Attic Area	RF	<0.01
JJS22-02	1/22/03	BG	Inside Attic Area	RF	<0.01
JJS22-03	1/22/03	BG	Inside Attic Area	RF	<0.01
JJS23-01	1/23/03	OWA	Outside Work Area	RM	<0.01
JJS23-02	1/23/03	OWA	Near NAM	RM	<0.01
JJS23-03	1/23/03	OWA	Adjacent Room Below	RM	Over Loaded
JJS23-04	1/23/03	OWA	Clean Room	RM	<0.01
JJS23-05	1/23/03	PR	Travis Fraizier	RM	Over Loaded

JJS24-01	1/24/03	PR	Travis Frazier	RM	Over Loaded
JJS24-02	1/24/03	OWA	Near NAM	RM	<0.01
JJS24-03	1/24/03	OWA	Clean Room Below	RM	<0.01
JJS24-04	1/24/03	OWA	Outside Work Area	RM	<0.01
JJS24-05	1/24/03	OWA	Adjacent Room Below	RM	<0.01
JJS27-01	1/27/03	OWA	Near NAM	RM	<0.01
JJS27-02	1/27/03	OWA	Outside Work Area	RM	<0.01
JJS27-03	1/27/03	OWA	Adjacent Room Below	RM	<0.01
JJS27-04	1/27/03	OWA	Clean Room	RM	Over Loaded
JJS27-05	1/27/03	OWA	Melissa Decasta	RM	0.04
JJS28-01	1/28/03	PR	Julio Santos	RM	0.03
JJS28-02	1/28/03	OWA	Clean Room	RM	<0.01
JJS28-03	1/28/03	RF	OWA	RM	<0.01
JJS28-04	1/28/03	RF	OWA	RM	<0.01
JJS28-05	1/28/03	RF	OWA	RM	<0.01
JJS29-03	1/29/03	PCL	Inside Attic Area	FC	<0.01
JJS29-03	1/29/03	PCL	Inside Attic Area	FC	<0.01
JJS29-03	1/29/03	PCL	Inside Attic Area	FC	<0.01

LEGEND:

FB: FIELD BLANK
LB: LAB BLANK
RM: ASBESTOS REMOVAL
BDL: BELOW DETECTION LIMIT
TEM: TRANSMISSION ELECTRON MICROSCOPY
PCM: PHASE CONTRAST MICROSCOPY
IWA: INSIDE WORK AREA
OWA: OUTSIDE WORK AREA
RF: REFERENCE

FC: FINAL CLEARANCE
f/cc: ..FIBERS PER CUBIC CENTIMETER
N/A: NOT ANALYZED DUE CASSETTE OVERLOADING
PCL:.PCM CLEARANCE
PR: PERSONNEL

Appendix B

Daily Logs and Checklists

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

DAILY LOG FORM

Project Name:
Project Location: BLDG# 640
Work Area Description: SPRAY ON CEILING

Date: 1-13-03
Field Rep.: GLE'S HEATH MILNOR
Contractor Rep.: EEG'S WALTER LEE + MARK

11:00AM EEG AND GLE ARRIVE AT BLDG# 640 EEG BEGINS UNLOADING EQUIPMENT AND DECON FRAME ASSEMBLED. GENERATOR IS BROUGHT TO SITE BUT NO POWER IS GENERATED AT THIS TIME. GLE'S HEATH MILNOR IS AWAITING POWER. (BACK GROUND SAMPLES MUST BE TAKEN) 12:00 NOON EEG & GLE BREAK FOR LUNCH.
1:00pm EEG AND GLE RETURN (REPAIRS ARE BEING MADE TO GENERATOR
2:45PM REPAIRS TO GENERATOR ARE COMPLETED AND GLE'S HEATH MILNOR STARTS BACK GROUND SAMPLING AT 3:00PM EEG'S REPS MARK, LEE, SUPERVISING WHILE WALTER AND MARK G. ARE PREPARING. 4:30 EEG LEAVES SITE WILL RESUME TOMARROW AT 7:30AM
5:00PM GLE'S HEATH MILNOR RETRIEVES BACK GROUND SAMPLES AND RETURNS TO HOTEL ROOM FOR ANALYSIS
3PCM BACK GROUND INA WERE TAKEN

WORK IN PROGRESS:

Field Representative Signature: [signature]

Contractor Representative Acknowledgement: [signature]

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

DAILY LOG FORM

Project Name:
Project Location: 653
Work Area Description: SMALL LOWER LEVEL PIPE ROOM

Date: MON 13, 2003
Field Rep.: HEATH MILNOR
Contractor Rep.: WALTER AND MARK WITH EEG

9:00AM ONE FITTING IS BEING PREPPED WITH GLOVE BAG FOR REMOVAL.
10:00AM WORK AREA IS PREPPED AND EEG'S REP. WALTER AND MARK BEGIN REMOVAL PROCESS. GLE'S REP. HEATH MILNOR HAS PLACED PERSONNEL PUMPS ON BOTH MARK AND WALTER (PUMPS ARE SET AT 2.5 LPM)
10:35AM GLOVE BAG AND ACMS WITHIN ARE BAGGED AND LABELED
PUMPS ARE RETRIEVED.
- 2 PCM LOW VOLUME PERSONNEL SAMPLES TAKEN.

WORK IN PROGRESS:

Field Representative Signature: [signature]

Contractor Representative Acknowledgement: [signature]

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

DAILY LOG FORM

Project Name: CHARESTON NAVAL BASE
Project Location:
Work Area Description: 640 BLDG. CEILING

Date: 1-14-03
Field Rep.: HEATH MILNOR
Contractor Rep.: EEG'S SUPERVISORS WALTER, MARG, MELISA, AND MARK G WORKERS

7:30AM EEG'S REPS AND GLE'S REP HEATH MILNOR ARRIVE ON SITE EFFORTS TO START GENERATOR HAVE NOT BEEN SUCCESSFUL AND A CALL FOR MAINTENANCE HAS BEEN MADE. TWO WORKING SUPERVISORS AND ONE WORKER (3 TOTAL PERSONS) ARE AWAITING POWER SUPPLY TO BEGIN WORK. AT APPROX. 9:15AM MAINTENANCE PERSONNEL GETS GENERATOR RUNNING AND A FULL PREP. OF WORKAREA IS ANTICIPATED.
10:00AM WORKERS ARE STILL IN PROCESS OF PREPARING CONTAINMENT AREA.
11:30AM WALTER HAS INFORMED GLE THAT THE WORK AREA HAS CHANGED TO A SMALLER AREA WITHIN THE WORK AREA WHICH WAS IN THE PROCESS OF BEING PREPPED APPROX (16 SF.) 2 WORKERS REMAIN NOW THAT MELISA HAS LEFT SITE WITH PROJECT MANAGER MARK TO LOOK AT THE NEXT SITE. WALTER AND MARK G. REMAIN AND ARE MAKING ALTERATIONS TO THE CONTAINMENT FOR THE SMALLER AREA. 11:35 MELISA AND PROJECT MANAGER MARK HAVE RETURNED WHICH WILL BRING TOTAL WORKERS TO 3. 12:00 NOON EEG AND GLE BREAK FOR LUNCH. 1:00PM GLE'S HEATH MILNOR AND EEG'S WALTER AND MARK G. RETURN TO SITE, EEG CONTINUES PREPPING WORK AREA (SMALL CLOSET TYPE ROOM) 2:00PM WALTER INFORMS GLE THAT AREA IS PREPPED. GLE TAKES A VISUAL IWA AND OWA PERFORMS SMOKE TEST (IS PASSING) GLE GIVES OKAY FOR ABATEMENT. 2:15 PM PUMPS ARE STARTED (RUNNING AT 5LPM) ONE PERSONNEL IWA SAMPLE AT 2.5LPM. 3:30pm GROSS REMOVAL IS FINISHED. FINE CLEANING BEGINS (TOTAL OF ACM BAGS IS AT 4) MELISA HAS BEEN THE OUTSIDE WORKER FOR THE TWO INSIDE. 4:00pm ENCAPSULANT IS APPLIED. 4:30pm EEG REPS (3) LOADOUT ~~BAGS AND~~ EQUIPMENT AND WILL AWAIT CLEARANCE FROM GLE. TOTAL OF 5 PCM SAMPLES WERE TAKEN 1 OF WHICH WAS A PERSONNEL SAMPLE

WORK IN PROGRESS:

Field Representative Signature:

Contractor Representative Acknowledgement:

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

DAILY LOG FORM

Project Name: CHARLESTON NAVAL
Project Location: BLDG#. 640
Work Area Description: SMALL CLOSET TYPE OFF MAIN HALLWAY
Date: 1-15-03
Field Rep.: HEATH MILNOR GLE
Contractor Rep.: EEG WALTER, MARK, AND MELISA

7:30am GLE'S HEATH MILNOR HAS ANALYZED SAMPLES THROUGH THE NIGHT AND HAS DETERMINED THAT RECLEANING OF WORK AREA IS NEEDED DUE TO THE FAILING # OF FIBERS STILL IN THE AIR. WORKERS ARE CLEANING AREA AT THE PRESENT. GLE HAS SUGGESTED A LESS DILUTED VERSION OF ENCAPSULANT BE APPLIED. A THICKER BASED ENCAP. HAS ARRIVED ON SITE FOR APPLICATION AFTER RECLEANING.
10:00am EEG FINISHES CLEANING AND GLE'S HEATH MILNOR INSPECTS THE WORK AREA ONCE MORE. GLE ALLOWS NAM TO FILTER OUT AND ENCAPSULANT TO SETTLE FOR APPROX. 4HRS. 2:00pm GLE RETURNS TO SITE AFTER FILLING OUT DATA SHEETS AND TAKING LUNCH.
3pm CLEARANCE TWAS WERE TAKEN GLE LEAVES SITE AT 4:30pm

WORK IN PROGRESS:

Field Representative Signature: Heath Ann Milnor

Contractor Representative Acknowledgement:

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

DAILY LOG FORM

Project Name:
Project Location: 648
Work Area Description: 275 SF FLOOR TILE X MASTIC INSIDE "OLD BRIGG" X 2 SF TSI MUD FITTING

Date: MON 1-20-03
Field Rep.: HEATH A. MILNOR
Contractor Rep.: LEE, KEVIN, MELISA (SUPERVISORS) | WORKERS CLIFF & TRAVIS

8:00AM GLE ARRIVES ON SITE, SUPERVISOR EEG'S LEE IS PRESENT AND AWAITS WORKERS ARRIVAL. 8:30 WORKERS ARRIVE. BEFORE WORK CAN BEGIN GENERATOR MUST BE MAINTENANCED. WHILE AWAITING GENERATOR POWER, GLE'S HEATH MILNOR TAKES A VISUAL OF WORK AREA AND DISCUSSES REMOVAL PROCESSES. ~~EEG~~ 11:00am EEG'S LEE REMOVES ONE 1SF MUD FITTING IN SMALL WASHER ROOM OFF MAIN HALLWAY, MATERIAL IS NOT DISTURBED PIPE IS WRAPPED AND CUT ABOVE & BELOW MUDD FITTING. (OSHA PERSONNEL MONITORING PERFORMED ON LEE) 12:30pm ANOTHER GENERATOR HAS BEEN BROUGHT IN FOR POWER SOURCE. EEG & GLE TAKE LUNCH. 1:00pm RETURN FROM LUNCH. THE 275 SF OF FLOOR TILE WILL BE COLLECTED BY HAND (TILE HAS BEEN NATURALLY SEPERATED FROM BASE & MASTIC. MASTIC WILL BE SWABBED UP BY HAND.
NO PCM'S TAKEN, WITH EXCEPTION TO 2 OSHA MONITORING SAMPLES. (M 3:00pm CLIFF & MELISSA ARE SWABBING DECK OF BRIGG WITH SOLVENT TO REMOVE MASTIC. TILES HAVE BEEN PLACED IN METAL DRUMS (2) 4:30pm FINE CLEANING IS UNDER WAY IN BOTH 648 X 638 HOWEVER 4:30pm EEG GOES HOME WILL RETURN AT 7:30AM FOR VISUAL INSPECTIONS OF BOTH AREAS.

1-21-03

7:00AM FINE CLEANING IS PERFORMED. 8:00AM GLE'S HEATH TAKES A VISUAL OF AREA DETERMINES IT IS ~~ACCEPTIBLE~~ VISUALLY CLEAN.

WORK IN PROGRESS:

Field Representative Signature:

Contractor Representative Acknowledgement:

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

DAILY LOG FORM

Project Name:
Project Location: 638
Work Area Description: 160SF 9x9 FLOOR TILE ~~& MASTIC REMOVAL~~

Date: 1-20-03
Field Rep.: HEATH MILNOR
Contractor: Rep.: TRAVIS, LEE, MELISSA DECASTA

2:00pm TRAVIS (EEG) IS TAKEN FROM BLDG # 648 TO RETRIEVE 9x9 TIVE & MASTIC THAT HAVE BEEN EXPOSED TO WATER AND ARE NOW SEPERATING FROM CEMENT FLOOR. (1) OSHA PCM PERSONNEL SAMPLE IS PERFORMED DURING REM. TILES ARE PLACED IN DRUM.
3:00pm TILES ARE UP AND MASTIC IS SATURATED WITH SOLVENT
4:00pm FINE CLEANING IS UNDERWAY WILL FINISH TOMARROW (1-21-03)

1-21-03

8:30AM FINE CLEANING IS BEING PERFORMED
1 VISITOR BDA REP. 9:00AM HEATH MILNOR (GLE) DETERMINES AREA TO BE VISUALLY CLEAN.

WORK IN PROGRESS:

Field Representative Signature: [signature]

Contractor Representative Acknowledgement: [signature]

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

DAILY LOG FORM

Project Name: CHARESTON NAV. BASE **Date:** 1-21-03
Project Location: 638 **Field Rep.:** HEATH MILNOR
Work Area Description: RESTROOM AND ADJACENT SLURRY ROOM **Contractor Rep.:** ~~HEATH MILNOR~~ MELISSA AND CLIFF

~~[illegible]~~ 9:00AM PREP OF GLOVE BAG IS PERFORMED ON THE FIRST OF 3 1 inch MUDD FITTINGS. 9:25AM BAG IS REMOVED BAGGED AND GLE'S HEATH VISUALLY INSPECTS AND DETERMINES ACM FITTING AND REMAINING DEBREE HAS BEEN PROPERLY REMOVED (OSHA MONITORING IS BEING PERFORMED ON MELISSA). 9:30AM PREP. OF THE 2ND FITTING OF 3 IS UNDERWAY. 10:00AM PROCESS OF ABATING VIA GLOVE BAG IS FINISHED. AND AREA INSPECTED. ~~[illegible]~~ 10:15AM ~~[illegible]~~ THE THIRD FITTING IN ADJOCENT ROOM IS BEING PREPPED FOR REMOVAL (GLOVE BAG) (SAME OSHA SAMPLE CONTINUES THROUGHOUT ALL 3) 11:35AM GLOVE BAG IS REMOVED AND BAGGED AREA IS VISUALLY CLEAN. EEG LEAVES SITE

WORK IN PROGRESS:

Field Representative Signature: _____

Contractor Representative Acknowledgement: [signature]

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

DAILY LOG FORM

Project Name: CHARESTON NAV. **Date:** 1-22-03
Project Location: NAVY HOUSE 758 **Field Rep.:** HEATH MILNOR
Work Area Description: ATTIC TSI PIPE JACKETING **Contractor: Rep.:** MELISSA, TRAVIS, KEVIN

7:30AM GLE ARRIVES ON SITE AWAITS GENERATOR 10:00AM GENERATOR HAS ARRIVED AND 3 PCM ALONG WITH 1 ITEM BE SAMPLES ARE STARTED (ITEM IS RAN DUE TO DUST AND FIBER GLASS WHICH MAY FAIL OR OVERLOAD PCMS). APPROX 160 SF? OF TSI PIPE JACKETING WHICH HAS BEEN DAMAGED. DAMAGED AREAS WILL BE REMOVED/ABATED BY EEG. 12:30; BACKGROUND SAMPLES ARE RETRIEVED AND EEG GOES FOR LUNCH. 1:30pm EEG RETURNS AND BEGINS PREPPING ATTIC FOR WORK AREA. 2:00pm GLE PLACES PERSONNEL PUMP ON MELISSA (MELISSA AND TRAVIS ARE WORKING). OWA MONITORING IS SET UP BY GLE ALSO. (CLEAN ROOM, NAM, OWA, ADJACENT AREA) HOWEVER EEG INFORMS GLE'S HEATH THAT THEY WILL TAKE THE REMAINER OF DAY TO FINISH PREPPING (NO ABATING) AND SO PUMPS WILL BE ON STANDBY. 4:00pm EEG AND GLE LEAVES SITE

WORK IN PROGRESS:

Field Representative Signature:

Contractor Representative Acknowledgement: Melissa

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

DAILY LOG FORM

Project Name: CHARLESTON NAV. BASE **Date:** 1-23-03
Project Location: NAVAL BASE HOUSE 758 **Field Rep.:** HEATH MILNOR
Work Area Description: ATTIC; TSI PIPE JACKETING APPROX. 160 LF. **Contractor: Rep.:** MELISSA, TRAVIS (EEG)

7:30AM EEG AND GLE ARRIVE ON SITE EEG REPS MELISSA (SUPERVISOR) AND WORKER TRAVIS, RESUME THE PREP PHASE OF ATTIC. 11:30AM PREPPING IS COMPLETED AND EEG REPS BEGIN WETTING DOWN THE DAMAGED PIPE AREAS TO PREPARE FOR GROSS REMOVAL. 11:35AM GLE'S REP. HEATH MILNOR INSPECTS THE POLY SET UP AND CONTANMENT NAMS ETC. DETERMINES THAT IT IS SAFE TO BEGIN ABATEMENT AND ALSO SAMPES TO REP. THE REMOVAL PROCESS IS STARTED. 12:00 NOON; EEG AND GLE TAKE LUNCH ON SITE. 12:30 WORK RESUMES. ~~GROSS REMOVAL IS UNDERWAY IN THE ATTIC~~ 12:00 NOON; EEG AND GLE REPS TAKE A LUNCH. 12:30pm; WORK RESUMES (HEPA VAC) IS BEING PERFORMED THROUGHOUT THE ATTIC. 4:00pm WORK STOPS

WORK IN PROGRESS:

Field Representative Signature: _____

Contractor Representative Acknowledgement: _____

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

DAILY LOG FORM

Project Name: CHARLESTON NAVAL BASE
Project Location: NAVAL HOUSE 756
Work Area Description: ATTIC TSI
APPROX 140 LF PIPE JACKETING

Date: 1-24-03
Field Rep.: HEATH MENOR
Contractor: Rep.: MELISSA AND TRAVIS

7:30AM WEEG AND GLE ARRIVE ON SITE AND WORK BEGINS
TRAVIS AND MELISSA ARE REMOVING AND BAGGING INSULATION
AND ANY OTHER REMOVABLE MATERIALS WHICH HAVE BECOME CONTA-
BY ASBESTOS TSI. 12:00 LUNCH 12:30 WORK RESUMES.
3:30pm APPROX 4 BAGS OF ACM HAVE BEEN COLLECTED.
4:00p~ GLE AND EEG LEAVE SITE.
PERSONNELS AND MONITORING HAVE BEEN PERFORMED

WORK IN PROGRESS:

Field Representative Signature: [signature]

Contractor Representative Acknowledgement: Melissa [signature]

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

DAILY LOG FORM

Project Name: CHARLESTON NAVAL BASE
Project Location: NAVAL HOUSE 758
Work Area Description: ATTIC PIPE INS.
Date: 1-27-03
Field Rep.: HEATH MILNOR (GLE)
Contractor Rep.: MELISSA (EEG)

7:30AM GLE & EEG ARRIVE ON SITE AND MONITORING BEGINS. EEG'S MELISSA IS IN PROCESS OF HEPA VAC. AND REMOVING MINOR DEBRIS FROM AROUND DAMAGED PIPE INS. AREAS. 11:00AM EEG AND GLE TAKE LUNCH BREAK. 11:30AM WORK RESUMES. PATCHING MATERIALS FOR REPAIRING AND OR ENCLOSING THE ENDS WHERE DAMAGED MATERIAL WAS REMOVED ARE BROUGHT INTO CONTAINMENT AND SOME PATCHING WILL TAKE PLACE TODAY. 1:00pm EEG'S MELISSA LEAVES SITE FOR ADDITIONAL HEPA VAC DUE TO ELECTRICAL PROBLEMS WITH THE PREVIOUS ONES. 1:30pm EEG'S REP. RETURNS AND WORK RESUMES. PERSONNEL AND AIR MONITORING ARE TAKING PLACE THROUGHOUT TODAY.

WORK IN PROGRESS:

Field Representative Signature:

Contractor Representative Acknowledgement:

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

DAILY LOG FORM

Project Name: NAVAL BASE CHARLESTON SC.
Project Location: BLDG 758 NAVAL HOUSE
Work Area Description: ATTIC TSI REMOVAL
Date: 1-28-03
Field Rep.: HEATH MILNOR (GLE)
Contractor Rep.: MELISSA AND [illegible] (EEG)

7:30 AM GLE'S HEATH MILNOR AND EEG'S SUPERVISOR MELISSA WITH ONE WORKER ARRIVE ON SITE. 8:00 PUMPS/SAMPLES ARE RUNNING AND EEG REPS ARE PREPPING/CUTTING ETC. MATERIALS FOR PATCHING AND ENCAPSULATING THE REMAINING EXPOSED ACMS WHICH HAVE NOT BEEN REMOVED UNLESS THERE WAS VISIBLE DAMAGE. HOWEVER GLE'S REP. HEATH MILNOR HAS REQUESTED THE SEALING OFF OF ANY EXPOSED ENDS OR ANY AREAS WHERE POTENTIAL DAMAGE COULD OCCUR. 12:00 EEG REPS ARE INSIDE CONTAINMENT FINE CLEANING WRAPPING AND ENCAPSULATING. GLE'S REP (HEATH) HAS TAKEN VISUAL OF AREA AND REQUESTS THAT BASED ON THE AMOUNT OF DETAILED AREAS, EXTRA CLEANING HOURS WILL PROBABLY BE NECESSARY TO GET THE DESIRED RESULT. 3:00pm WRAPPING OF PIPES AND SPRAYING ENCAPSULATE OF PIPES IS BEING PERFORMED. 5:30pm LIGHTS IN ATTIC STARTED SHORTING OUT AND OVER HEATING SO REMAINER OF WORK WAS DONE BY FLASH LIGHTS. WHICH SLOWED THE PROCESS DOWN AND INSTEAD OF PUTTING ON THE FINAL COAT ENCAP. TONIGHT IT WILL BE ADMINISTERED TOMARROW (1-29-03). 7:30pm WORK STOPS. OSHA AND AIR MONITORING PERFORMED. EEG AND GLE LEAVE SITE.

WORK IN PROGRESS:

Field Representative Signature: [signature]

Contractor Representative Acknowledgement: [signature]

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

DAILY LOG FORM

Project Name: CHARLESTON NAVAL BASE **Date:** 1-29-03
Project Location: BLDG 754 NAVAL HOUSE **Field Rep.:** HEATH MILLER (GLE)
Work Area Description: ATTIC TSI REMOVAL **Contractor Rep.:** MELISSA AND JULIO (EEG)

7:30 AM GLE AND EEG ARRIVE ON SITE. EEG'S REPS BEGIN ENCAPSULATING THE ATTIC AREA. 10:00 AM WORKERS HAVE FINISHED ENCAPSULATING AND LEAVE SITE. GLE WILL LET THE ENCAPSULATE SETTLE FOR AT LEAST 3 HOURS BEFORE RUNNING A PCM AGGRESSIVE AIR SAMPLING CLEARANCE. 1:00pm GLE RETURNS TO SITE AND BEGINS CLEARANCE PROCESS. 3:30pm GLE'S REP. RETRIEVES SAMPLES AND EQUIPMENT, RETURNS TO SAMPLE READING AREA.

WORK IN PROGRESS:

Field Representative Signature: [signature]

Contractor Representative Acknowledgement: [signature]

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

CHECKLIST OF DAILY ASBESTOS ABATEMENT ACTIVITIES

Project Name: CHARESTON NAVAL BASE Date: 1-14-03
Project Location: CHARLESTON NAVAL BASE Field Representative: HEATH MINOR
Work Area Description: 640 ONE ROOM CEILING
Phase of Abatement Activities (Work Area Preparation, During Abatement, Clearance):

I. WORK AREA ISOLATION	Adequate Yes	Adequate No	Note Deficiencies
a. Openings isolation	✓		
b. Floor barriers	✓		
c. Wall barriers	✓		
d. Electrical power off/GFI in-use	✓		
e. HVAC off	✓		
f. Decontamination unit			
II. NEGATIVE PRESSURE			
a. Four air changes per hour	✓		
b. Backup negative pressure unit	✓		
c. Negative pressure (>0.02"W.G.)	✓		
d. Filters changed routinely	✓		
e. Pressure loss (<1.0"W.G.)			
III. SIGNS/LABELS			
a. Work area signs	✓		
b. Disposal bags labeled			
IV. WORK PROCEDURES			
a. ACM maintained wet	✓		
b. Storage of ACM locked	✓		
c. ACM waste double bagged	✓		
d. Proper decontamination procedures	✓		
e. Adequate site housekeeping			
V. PROTECTIVE EQUIPMENT			
a. Use of disposable garment	✓		
b. Use of adequate respiratory protection	✓		
c. Type of approved respirators	✓		
d. Use of safety equipment for hazards	✓		
VI. DECONTAMINATION UNIT			
a. Three chamber decontamination unit	✓		
b. Use of proper waste water filtration	✓		
c. Decontamination unit clean	✓		
d. Shampoo and hot water available			

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

CHECKLIST OF DAILY ASBESTOS ABATEMENT ACTIVITIES

Project Name: CHARLESTON NAVAL COMPLEX
Date: 1-22-03
Project Location: NAVAL BASE SC.
Field Representative: HEATH MILNOR
Work Area Description: BLDG# 758
Phase of Abatement Activities (Work Area Preparation, During Abatement, Clearance):

I. WORK AREA ISOLATION	Adequate Yes	Adequate No	Note Deficiencies
a. Openings isolation	✓		
b. Floor barriers	✓		
c. Wall barriers	✓		
d. Electrical power off/GFI in-use	✓		
e. HVAC off	✓		
f. Decontamination unit			
II. NEGATIVE PRESSURE			
a. Four air changes per hour	✓		
b. Backup negative pressure unit	✓		
c. Negative pressure (>0.02"W.G.)	✓		
d. Filters changed routinely	✓		
e. Pressure loss (<1.0"W.G.)			
III. SIGNS/LABELS			
a. Work area signs	✓		
b. Disposal bags labeled			
IV. WORK PROCEDURES			
a. ACM maintained wet	✓		
b. Storage of ACM locked	✓		
c. ACM waste double bagged	✓		
d. Proper decontamination procedures	✓		
e. Adequate site housekeeping			
V. PROTECTIVE EQUIPMENT			
a. Use of disposable garment	✓		
b. Use of adequate respiratory protection	✓		
c. Type of approved respirators	✓		
d. Use of safety equipment for hazards			
VI. DECONTAMINATION UNIT			
a. Three chamber decontamination unit	✓		
b. Use of proper waste water filtration	✓		
c. Decontamination unit clean	✓		
d. Shampoo and hot water available			

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

CHECKLIST OF DAILY ASBESTOS ABATEMENT ACTIVITIES

Project Name: CHARLESTON NAVAL COMPLEX
Project Location: BLDG 1758
Work Area Description: ATTIC TSI
Phase of Abatement Activities (Work Area Preparation, During Abatement, Clearance):

Date: 1-23-03
Field Representative: HEATH MILNER

I. WORK AREA ISOLATION	Adequate Yes	Adequate No	Note Deficiencies
a. Openings isolation	✓		
b. Floor barriers	✓		
c. Wall barriers	✓		
d. Electrical power off/GFI in-use	✓		
e. HVAC off	✓		
f. Decontamination unit			
II. NEGATIVE PRESSURE			
a. Four air changes per hour	✓		
b. Backup negative pressure unit	✓		
c. Negative pressure (>0.02"W.G.)	✓		
d. Filters changed routinely	✓		
e. Pressure loss (<1.0"W.G.)			
III. SIGNS/LABELS			
a. Work area signs	✓		
b. Disposal bags labeled			
IV. WORK PROCEDURES			
a. ACM maintained wet	✓		
b. Storage of ACM locked	✓		
c. ACM waste double bagged	✓		
d. Proper decontamination procedures	✓		
e. Adequate site housekeeping			
V. PROTECTIVE EQUIPMENT			
a. Use of disposable garment	✓		
b. Use of adequate respiratory protection	✓		
c. Type of approved respirators	✓		
d. Use of safety equipment for hazards			
VI. DECONTAMINATION UNIT			
a. Three chamber decontamination unit	✓		
b. Use of proper waste water filtration	✓		
c. Decontamination unit clean	✓		
d. Shampoo and hot water available			

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

CHECKLIST OF DAILY ASBESTOS ABATEMENT ACTIVITIES

Project Name: CHARLESTON NAVAL Complex
Project Location: CHI
Work Area Description: 758 ATTIC TSI
Date: 1-24-03
Field Representative: HEATH [illegible]
Phase of Abatement Activities (Work Area Preparation, During Abatement, Clearance):

I. WORK AREA ISOLATION	Adequate Yes	Adequate No	Note Deficiencies
a. Openings isolation	✓		
b. Floor barriers	✓		
c. Wall barriers	✓		
d. Electrical power off/GFI in-use	✓		
e. HVAC off	✓		
f. Decontamination unit			

II. NEGATIVE PRESSURE	Adequate Yes	Adequate No	Note Deficiencies
a. Four air changes per hour	✓		
b. Backup negative pressure unit	✓		
c. Negative pressure (>0.02"W.G.)	✓		
d. Filters changed routinely	✓		
e. Pressure loss (<1.0"W.G.)			

III. SIGNS/LABELS	Adequate Yes	Adequate No	Note Deficiencies
a. Work area signs	✓		
b. Disposal bags labeled			

IV. WORK PROCEDURES	Adequate Yes	Adequate No	Note Deficiencies
a. ACM maintained wet	✓		
b. Storage of ACM locked	✓		
c. ACM waste double bagged	✓		
d. Proper decontamination procedures	✓		
e. Adequate site housekeeping			

V. PROTECTIVE EQUIPMENT	Adequate Yes	Adequate No	Note Deficiencies
a. Use of disposable garment	✓		
b. Use of adequate respiratory protection	✓		
c. Type of approved respirators	✓		
d. Use of safety equipment for hazards			

VI. DECONTAMINATION UNIT	Adequate Yes	Adequate No	Note Deficiencies
a. Three chamber decontamination unit	✓		
b. Use of proper waste water filtration	✓		
c. Decontamination unit clean	✓		
d. Shampoo and hot water available			

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

CHECKLIST OF DAILY ASBESTOS ABATEMENT ACTIVITIES

Project Name: CHARLESTON NAVAL COMPLEX Date: 1-29-03
Project Location: " " Field Representative: HEATH MILNE
Work Area Description: 758 ATTIC TSI
Phase of Abatement Activities (Work Area Preparation, During Abatement, Clearance):

I. WORK AREA ISOLATION	Adequate Yes	Adequate No	Note Deficiencies
a. Openings isolation	✓		
b. Floor barriers	✓		
c. Wall barriers	✓		
d. Electrical power off/GFI in-use	✓		
e. HVAC off	✓		
f. Decontamination unit			
II. NEGATIVE PRESSURE			
a. Four air changes per hour	✓		
b. Backup negative pressure unit	✓		
c. Negative pressure (>0.02"W.G.)	✓		
d. Filters changed routinely	✓		
e. Pressure loss (<1.0"W.G.)			
III. SIGNS/LABELS			
a. Work area signs	✓		
b. Disposal bags labeled			
IV. WORK PROCEDURES			
a. ACM maintained wet	✓		
b. Storage of ACM locked	✓		
c. ACM waste double bagged	✓		
d. Proper decontamination procedures	✓		
e. Adequate site housekeeping			
V. PROTECTIVE EQUIPMENT			
a. Use of disposable garment	✓		
b. Use of adequate respiratory protection	✓		
c. Type of approved respirators	✓		
d. Use of safety equipment for hazards			
VI. DECONTAMINATION UNIT			
a. Three chamber decontamination unit	✓		
b. Use of proper waste water filtration	✓		
c. Decontamination unit clean	✓		
d. Shampoo and hot water available			

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

CHECKLIST OF DAILY ASBESTOS ABATEMENT ACTIVITIES

Project Name: CHARLESTON NAVAL COMPLEX Date: 1-28-03
Project Location: Field Representative: HEATH MILNOR
Work Area Description: 756 ATTIC TSI
Phase of Abatement Activities (Work Area Preparation, During Abatement, Clearance):

I. WORK AREA ISOLATION	Adequate Yes	Adequate No	Note Deficiencies
a. Openings isolation	✓		
b. Floor barriers	✓		
c. Wall barriers	✓		
d. Electrical power off/GFI in-use	✓		
e. HVAC off	✓		
f. Decontamination unit	✓		
II. NEGATIVE PRESSURE			
a. Four air changes per hour	✓		
b. Backup negative pressure unit	✓		
c. Negative pressure (> 0.02"W.G.)	✓		
d. Filters changed routinely	✓		
e. Pressure loss (< 1.0"W.G.)	✓		
III. SIGNS/LABELS			
a. Work area signs	✓		
b. Disposal bags labeled	✓		
IV. WORK PROCEDURES			
a. ACM maintained wet	✓		
b. Storage of ACM locked	✓		
c. ACM waste double bagged	✓		
d. Proper decontamination procedures	✓		
e. Adequate site housekeeping	✓		
V. PROTECTIVE EQUIPMENT			
a. Use of disposable garment	✓		
b. Use of adequate respiratory protection	✓		
c. Type of approved respirators	✓		
d. Use of safety equipment for hazards	✓		
VI. DECONTAMINATION UNIT			
a. Three chamber decontamination unit	✓		
b. Use of proper waste water filtration	✓		
c. Decontamination unit clean	✓		
d. Shampoo and hot water available	✓		

J.J. SOSA & ASSOCIATES, INC.
ENVIRONMENTAL ENGINEERS & CONTRACTORS

CHECKLIST OF DAILY ASBESTOS ABATEMENT ACTIVITIES

Project Name: CHARLESTON NAVAL Complex Date: 1-27-03
Project Location:
Work Area Description: 758 ATTIC TSI Field Representative: HEATH MILLER
Phase of Abatement Activities (Work Area Preparation, During Abatement, Clearance):

I. WORK AREA ISOLATION	Adequate Yes	Adequate No	Note Deficiencies
a. Openings isolation	✓		
b. Floor barriers	✓		
c. Wall barriers	✓		
d. Electrical power off/GFI in-use	✓		
e. HVAC off	✓		
f. Decontamination unit			
II. NEGATIVE PRESSURE			
a. Four air changes per hour	✓		
b. Backup negative pressure unit	✓		
c. Negative pressure (>0.02"W.G.)	✓		
d. Filters changed routinely	✓		
e. Pressure loss (<1.0"W.G.)			
III. SIGNS/LABELS			
a. Work area signs	✓		
b. Disposal bags labeled			
IV. WORK PROCEDURES			
a. ACM maintained wet	✓		
b. Storage of ACM locked	✓		
c. ACM waste double bagged	✓		
d. Proper decontamination procedures	✓		
e. Adequate site housekeeping			
V. PROTECTIVE EQUIPMENT			
a. Use of disposable garment	✓		
b. Use of adequate respiratory protection	✓		
c. Type of approved respirators	✓		
d. Use of safety equipment for hazards			
VI. DECONTAMINATION UNIT			
a. Three chamber decontamination unit	✓		
b. Use of proper waste water filtration	✓		
c. Decontamination unit clean	✓		
d. Shampoo and hot water available			

Appendix C

Consultants' Certifications

AC# 0169490

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS

SEQ# 01091400856

DATE	BATCH NUMBER	LICENSE NBR
9/14/2001	01900598	ZA -0000106

The ASBESTOS BUSINESS ORGANIZATION
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2003

NON-TRANSFERABLE

J.J. SOSA & ASSOCIATES INC
JOSE J. SOSA
5811 MEMORIAL HIGHWAY SUITE 207
TAMPA FL 33615

JEB BUSH
GOVERNOR

DISPLAY AS REQUIRED BY LAW

KIM BINKLEY-SEYER
SECRETARY

AC# 0606760

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

SEQ# L02091904709

DATE	BATCH NUMBER	LICENSE NBR
09/19/2002	200118204	CJC056661

The ASBESTOS CONTRACTOR
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2004
(INDIVIDUAL MUST MEET ALL LOCAL LICENSING
REQUIREMENTS PRIOR TO CONTRACTING IN ANY AREA)

SOSA, JOSE J
J.J. SOSA & ASSOCIATES INC
5811 MEMORIAL HIGHWAY STE 207
TAMPA FL 33615-5000

JEB BUSH
GOVERNOR

DISPLAY AS REQUIRED BY LAW

KIM BINKLEY-SEYER
SECRETARY

AC# 0606763

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

SEQ# L02091904712

DATE	BATCH NUMBER	LICENSE NBR
09/19/2002	200118203	EA0000055

The ASBESTOS CONSULTANT - ENGINEER
Named below IS LICENSED
Under the provisions of Chapter FS.
Expiration date: NOV 30, 2004

SOSA, JOSE J
J.J. SOSA & ASSOCIATES INC
5811 MEMORIAL HIGHWAY STE 207
TAMPA FL 33615-5000

JEB BUSH
GOVERNOR

DISPLAY AS REQUIRED BY LAW

KIM BINKLEY-SEYER
SECRETARY

United States Environmental Protection Agency

This is to certify that

Jose Sosa

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402(a)(1), and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as a Risk Assessor.

In the State of:

FLORIDA

This certification is valid for three (3) years from the date of issuance and expires 1/17/04.

FL-03-0120044048
Certification #

January 17, 2001
Issued on

Carol L. Kemker
Approving Official

Chief, Pesticides and Toxic Substances Branch
Title

United States Environmental Protection Agency

This is to certify that

J. J. Sosa & Associates, Inc.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402(a)(1), and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as a Firm.

In the State of:

FLORIDA

This certification is valid for three (3) years from the date of issuance and expires 05/04/2003.

FL-02-052003-2102	Carol L. Kemker
Certification #	Approving Official
May 4, 2000	Chief, Pesticides and Toxic Substances Branch
Issued on	Title

The

American Board of Industrial Hygiene®

ABIH®

AMERICAN BOARD OF INDUSTRIAL HYGIENE ®

organized to improve the practice of Industrial Hygiene
proclaims that

Jose Joaquin Sosa

having met all requirements through
education, experience, and examination,
is hereby certified in the

COMPREHENSIVE PRACTICE
of
INDUSTRIAL HYGIENE

and has the right to use the designations

CERTIFIED INDUSTRIAL HYGIENIST

CIH

December 9, 1991
date

Kenneth M. Wallingford
Chairman ABIH

5429
certificate number

Monty Hess
Secretary ABIH

University of North Florida

DIVISION OF CONTINUING EDUCATION & EXTENSION
and the
ENVIRONMENTAL EDUCATION & SAFETY INSTITUTE

Training provided by University of North Florida • 4567 St. Johns Bluff Road, South Jacksonville, Florida 32216 • (904) 646-2690

Certify that

MIKE GRAISBERY

has successfully completed the certificate requirements for

THE NIOSH 582 EQUIVALENCY COURSE

and in evidence thereof is awarded this

Certificate of Completion

ON THE 10 DAY OF SEPTEMBER, 1990

MARCELLA C. LOVETT
Director

ELAINE PURI
Program Coordinator

JAMES E. KELLEY
Director

PASSED EXAM: 09/14/90 ACCREDITATION EXPIRES: N/A 00823

RETRA TRAINING SERVICES

[illegible]
Tarpon Springs, FL [illegible]
1-727-[illegible]

Michael C. Graisbery *098-60-8355*

Has successfully completed the Requisite Training for Asbestos Accreditation
as required by TSCA Title II

Asbestos Supervisor Contractor Refresher

Course Date: *June 14, 2002*

Exam Date: *June 14, 2002*

Expiration Date: *June 14, 2003*

Course Location: *Tarpon Springs, Fl*

Certification Number: F 019066

Short Savio

Instructors

John U. Savio

Course Administrator

The American Industrial Hygiene Association

is proud to acknowledge that

International Asbestos Testing Lab

Mt. Laurel, NJ

has fulfilled the requirements for and has been formally recognized by AIHA and is technically competent to perform the analyses listed in the following

SCOPE OF ACCREDITATION

INDUSTRIAL HYGIENE Originally Accredited: 03/01/97		ENVIRONMENTAL LEAD Originally Accredited: 01/20/97		ENVIRONMENTAL MICROBIOLOGY
X Metals	___Silica	X Paint Chips	X Air	___Bacteria
X Asbestos PCM	X Asbestos PLM	X Dust Wipes	X Soil	___Fungi
___Organic Solvents	___Diffusive Samples			

The above named laboratory agrees to perform all analyses listed above in the scope of accreditation according to applicable policy requirements and acknowledges that continued accreditation is dependent on successful participation in the appropriate proficiency testing programs. This laboratory may be contacted to verify the current scope of accreditation, proficiency testing performance and accreditation status. Accreditation by AIHA is not a guarantee of the validity of the data generated by the laboratory.

Laboratory # 100188

Certificate # 444

Accreditation Expires: 01/20/03

Colleen Becker

Colleen Becker
Chair, Analytical Accreditation Board

James R. Thornton

James R. Thornton, CIH, CSP
President, AIHA

GLE Associates, Inc.

3109 W. Dr. Martin Luther King Jr. Boulevard - Suite 550 - Tampa, Florida 33607 - (813) 241-8350

certifies that

HEATH MILNOR

has successfully met certificate requirements for

EPA-AHERA ASBESTOS ABATEMENT CONTRACTOR/SUPERVISOR REFRESHER

conducted on

October 25, 2002

at

TAMPA, FLORIDA

Certificate Number

4039

SSN: 253-61-6538

Passed Exam: 72%

EPA Accrediation Expires: October 25, 2003

Instructor

GLE Associates, Inc. Robert B. Greene

Sampling and Evaluating Airborne Asbestos Dust

AIR ANALYTICS

certifies that

Heath A. Milnor

has satisfactorily completed a NIOSH 582 Equivalent 32 hour course in Phase Contrast Microscopy covering the contents of NIOSH Method 7400 and the Occupational Safety and Health Administration Reference Method for asbestos fiber analysis, and in testimony whereof, we do confer this certificate at Orlando, Florida, on November 7, 2002.

Edward A. Nuñez, CSP, CIH
Course Director

AIR ANALYTICS IN PURSUIT OF SAFETY AND HEALTH
IH
IAQ

Certificate # AA11070258201
Soc. Sec. # 253-61-6538

The Environmental Institute

Heath Milnor

Social Security Number - 253-61-6538

Has completed coursework and satisfactorily passed an examination that meets all criteria required for EPA/AHERA/ASHARA (TSCA Title II) Approved Accreditation, NESHAP Regulations Training, and OSHA Competent Person

Asbestos in Buildings:
Abatement Project Supervision

September 9-13, 2002
Course Date

3709
Certificate Number

September 13, 2002
Examination Date

September 12, 2003
Expiration Date

David W. Hogue - Course Director

Rachel G. McCain - Exam Administrator

TEI - 1300 Williams Drive, Suite E - Marietta, Georgia 30066 - (770) 427-3600

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

ASBESTOS ABATEMENT LICENSE

No. AS-00031

This certifies that

HEATH A MILNOR

253-AS-6538

doing business as *GLE ASSOCIATES INC*

has satisfactorily completed the training required by South Carolina Regulation No. 61-86.1 for the category of

Air Sampler

The holder of this license shall comply with all the requirements of said Regulation.

This License, License Number, or any Representation thereof, is not transferable to any other licensee or company. Use of this License is only authorized for the licensee and Company whose name appears hereon and shall expire one year from *September 13, 2002*

January 03, 2003

Richard D. Sharpe

Richard D. Sharpe, Director
Air Compliance Management Division
Bureau of Air Quality
South Carolina Department of Health & Environmental Control

January 03, 2003 01:01 PM

Bureau of Air Quality

ORIGINAL

CR-001126